

A Complete Bibliography of Publications in *Contemporary Physics*

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: <https://www.math.utah.edu/~beebe/>

28 September 2023
Version 1.34

Title word cross-reference

\$100 [4158]. **\$11.95** [4073]. **\$120.00** [4201]. **\$125.00** [4234, 4216]. **\$135**
[4206, 4079]. **\$145** [4061]. **\$148.00** [4096]. **\$156.00** [4252]. **\$156.35** [4242].
\$159 [4241, 4260]. **\$159.00** [4140, 4173, 4150, 4144, 4142]. **\$168.00** [3996].
\$175 [4172]. **\$190** [4241, 4189, 4260, 4136]. **\$190.00**
[4251, 4173, 4249, 4169, 4170, 4174]. **\$195.00** [4250]. 2 [2696, 3666]. **\$22.50**
[555]. **\$24.99** [4105]. **\$28.00** [4132, 4024, 4200]. 3
[2779, 3328, 3781, 3145, 2223]. 3 + 1 [3185]. **\$32.00** [4143]. **\$38/£** [4114]. 4
[3432, 4317]. **\$40** [4233]. **\$40.00** [4244]. **\$45.00** [4095]. **\$48.00** [4070]. **\$50**
[4233]. **\$50.00** [4244]. **\$68.00** [4010, 4086]. **\$69.95** [4186]. **\$69.99** [4146].
\$7.00 [662]. **\$78.00** [4098, 4067]. **\$78/£** [4114]. **\$79.99** [4254, 4107]. **\$84.99**
[4130]. **\$88.00** [4029]. **\$90.00** [4201]. **\$95** [4131]. **\$95.00** [4139]. **\$98** [4108].
\$98.00 [4068]. ²⁸ [2892]. ³ [730, 1107]. ⁴ [1737]. ^(R) [3438]. ² [1139, 4180]. ³
[4180]. [†] [1642]. ⁴ [4180]. ^c [1580]. ^a [3726]. ^α [2177, 2165]. ^β [141]. \mathcal{PT}
[2138]. $E = mc^2$ [4067]. Λ [4076, 3222]. M [3420].

-D [2223]. **-dimensional** [3781]. **-history** [3420]. **-particle** [141]. **-quartz** [2177]. **-symmetric** [2138]. **-theorem** [3726].

[//doi.org/10.1063/9780735423350](https://doi.org/10.1063/9780735423350) [4206].
[//store.ioppublishing.org/page/detail/A](https://store.ioppublishing.org/page/detail/A) [4201].
[//store.ioppublishing.org/page/detail/A-Handbook-of-Mathematical-Methods-and-ProblemSolving-Tools-for-Introductory-Physics-Second-Edition/](https://store.ioppublishing.org/page/detail/A-Handbook-of-Mathematical-Methods-and-ProblemSolving-Tools-for-Introductory-Physics-Second-Edition/) [4201].
[//www.cambridge.org/gb/academic/subjects/physics/particle](https://www.cambridge.org/gb/academic/subjects/physics/particle) [4211].
[//www.cambridge.org/gb/academic/subjects/physics/particle-physics-and-nuclear-physics/ideas-particle-physics-4th-edition](https://www.cambridge.org/gb/academic/subjects/physics/particle-physics-and-nuclear-physics/ideas-particle-physics-4th-edition) [4211].
[//www.elsevier.com/books/space](https://www.elsevier.com/books/space) [4186].
[//www.elsevier.com/books/space-science-and-public-engagement/kaminski/978-0-12-817390-9](https://www.elsevier.com/books/space-science-and-public-engagement/kaminski/978-0-12-817390-9) [4186]. **/978** [4156].
/978-0-19-885188-2 [4156].

0 [4225, 4038, 4005, 4148, 4130, 4222, 3994, 3957, 1562, 3956, 1844].
0-19-506908-0 [1562]. **0-19-850551-5** [2041]. **0-19-851097-7** [2041].
0-19-856479-1 [2057]. **0-226-79845-3** [2191]. **0-7503-3461-4** [4170].
0-7503-3801-6 [4234]. **0-7923-3818-9** [1844]. **0/ISBN** [4154].

1 [4137, 4221, 21, 4021, 4044, 4008, 4015, 4205, 4131, 4129, 2701, 11, 4039, 4033, 3187]. **10.00** [834]. **100** [2312, 3171]. **100th** [3461]. **105s** [291]. **110.00** [4196]. **114** [112]. **11th** [278]. **125-£** [4183]. **12th** [277]. **13th** [277]. **14.60** [834]. **15pp** [4081]. **16th** [276]. **1920s** [3363]. **1925** [3048]. **1926** [2585]. **1931** [2778]. **1940** [3857]. **1944** [1136]. **1945** [1092]. **1959** [50]. **1960** [75, 51, 137, 89, 76]. **1961** [193, 156, 144]. **1962** [158, 180, 242, 214]. **1963** [221, 261, 278, 277, 276]. **1964** [366, 338, 308, 316]. **1975** [834]. **1981** [1131]. **19th** [365]. **1st** [2945, 3947, 4061, 4190].

2 [4211, 4030, 32, 4138, 3999, 4048, 4042, 4003, 4150, 4223, 34, 4023, 4136, 2765, 3200, 3172]. **2003** [3020]. **2008** [3063]. **2014** [3551, 3633, 3836]. **2018** [3877]. **2024** [3751]. **20th** [365]. **21** [2926]. **21st** [3945, 3989, 3753, 4042, 4186, 2449, 4234]. **25th** [3133]. **2nd** [4078, 3318, 2788, 2786, 2667, 2936, 3796, 2927, 4140, 2715, 3124, 4056, 2865, 3116, 2857, 3723, 3609, 4005, 4123, 2320, 2509, 2866, 2995, 3900, 3023, 4183, 2621, 2907, 2639, 2533, 3845, 2845, 3036, 2901, 2806, 2684, 3626, 3280, 3561, 3962, 4081, 4204, 4130, 4259, 180, 221, 3323, 3920, 3999, 3377, 3317, 3400, 3553, 3427, 3436, 3668, 3708, 3643, 3783, 3957, 3910, 4090, 4187, 4165, 3510, 2523, 2703, 3401, 4157, 2889, 3832, 2299, 3208, 3768, 3770, 3271, 3430, 3712, 2796, 2873, 2890, 2869, 2971, 4131, 3703, 3842, 4122, 3209, 2997, 3827, 3917, 3949, 4080, 4234, 2436, 2728]. **2nd** [3109, 3347, 4144, 3731, 2976, 2511, 3645, 3996, 3995, 4077, 4167, 3138, 2557, 2390, 2701, 4253, 3672, 3285, 3528, 2579, 4216, 2422, 2982, 2370, 2665, 2666, 2453, 2388, 2475, 2470, 2646, 2663, 2802,

2827, 3134, 3443, 3621, 3667, 3818, 3850, 4004, 3916, 4233, 4175, 2919, 2586].

3 [4191, 2082, 4029, 4098, 4196, 4141, 4047, 4091, 3078, 4099, 4224, 4019, 4201, 4208, 4199, 4142]. **307pp** [4156]. **331** [4028]. **3rd** [3766, 2462, 2868, 2955, 2939, 3826, 4148, 3809, 2954, 2996, 3437, 3588, 3631, 4091, 2916, 2738, 2517, 3231, 2855, 3922, 4053, 2676, 4071, 4066, 2314, 3890, 2638, 2913, 2885, 3153, 3021, 3411, 2319].

4 [4000, 4210, 4035, 4025, 4001, 3459, 4187, 437, 3996, 4216, 4145, 2756]. **40** [3313]. **419-9** [4177]. **44th** [38, 36, 37, 39]. **45th** [97]. **461pp** [4081]. **46th** [158]. **48th** [308]. **49** [2329]. **496pp** [4175]. **4th** [3986, 2463, 4211, 2828, 2792, 3016, 4040, 3429, 3973, 3701, 3979, 3215, 2882, 193].

5 [2329, 4198, 4043, 4037, 4200, 4144, 4219, 4094]. **50** [2755]. **50th** [2238]. **565-1014** [4190]. **5s.Od.** [554]. **5th** [4133, 3395, 2829, 180, 221, 4189, 2952, 2736].

6 [4010, 2772, 4135, 4143, 3102, 4190, 4031, 4040, 4093, 4218, 4022, 4036, 4147, 4004]. **60th** [4092]. **6th** [2335, 2373].

7

[4018, 4182, 4184, 4027, 4002, 4041, 3993, 3998, 3423, 3995, 4188, 4092, 4215]. **7th** [3721, 4092].

8 [4132, 2893, 4202, 4140, 4032, 3945, 4045, 4100, 4183, 4026, 4146, 4097, 4007, 4151, 4020, 4096, 4220, 4207]. **80** [3305, 2822]. **80th** [648, 3681].

9 [4016, 4217, 4139, 4206, 3425, 4006, 4046, 4024, 4186, 2644, 4017, 4197, 4189, 4095, 4034, 3997, 1844, 4185]. **9.80.** [869]. **90EUR** [4232]. **90th** [3412, 3976]. **978** [4132, 4010, 4016, 4211, 4137, 4225, 2893, 2772, 4217, 4202, 4135, 4140, 4139, 4038, 4000, 4032, 4210, 4206, 4035, 3425, 4005, 3945, 4045, 4018, 4028, 4182, 4184, 4191, 4221, 4027, 4100, 4143, 4183, 2329, 3102, 4030, 4138, 4026, 4190, 4148, 4198, 4006, 4021, 4130, 4222, 4025, 4002, 4001, 4046, 4043, 4041, 3999, 4029, 4044, 4008, 4024, 4098, 4196, 4141, 3459, 4031, 4037, 4047, 3993, 4040, 3994, 4048, 3957, 4042, 4003, 4015, 4091, 4146, 4187, 3998, 4097, 4150, 2644, 3423, 4007, 4017, 3078, 4099, 4093, 4200, 4151, 4205, 4224, 4019, 4131, 4197, 4201, 4223, 4218, 4020, 4022, 4036]. **978** [4189, 4144, 3996, 3995, 4129, 4208, 4188, 4219, 4199, 2701, 4095, 4096, 4094, 4220, 4092, 4142, 4147, 4216, 4034, 4004, 4039, 3956, 4033, 3997, 4023, 4136, 4207, 4215, 4145, 4185]. **978-0-12-804651-7** [4053]. **978-0-12-809279-8** [4054]. **978-0-12-809981-0** [4111]. **978-0-12-811991-4** [4009]. **978-0-12-817390-9** [4186, 4186]. **978-0-12-818642-8** [4183]. **978-0-12-821940-9** [4189]. **978-0-12-821987-4** [4216]. **978-0-19-289507-3** [4199]. **978-0-19-875986-7** [4162]. **978-0-19-878470-8** [4097].

978-0-19-879651-0 [4064]. 978-0-19-879725-8 [4100]. 978-0-19-880911-1 [4137]. 978-0-19-881926-4 [4073]. 978-0-19-882193-9 [4017].
 978-0-19-883025-2 [4203]. 978-0-19-883026-9 [4203]. 978-0-19-883191-4 [4025]. 978-0-19-884222-4 [4109]. 978-0-19-885187-5 [4156].
 978-0-19-885188-2 [4156]. 978-0-19-885379-4 [4187]. 978-0-19-885836-2 [4158]. 978-0-19-886078-5 [4198]. 978-0-19-886472-1 [4178].
 978-0-19-886524-7 [4175]. 978-0-19-890378-9 [4016]. 978-0-19-921561-4 [4000]. 978-0-19-958704-9 [2644]. 978-0-199-34457-4 [3459].
 978-0-224-06262-6 [3102]. 978-0-241-41113-1 [4117]. 978-0-323-85093-3 [4224]. 978-0-367-40692-9 [4217]. 978-0-367-45736-5 [4257].
 978-0-367-68526-3 [4259]. 978-0-521-19357-3 [4141]. 978-0-521-86273-8 [4026]. 978-0-521-87507-3 [3078]. 978-0-691-15579-1 [4131].
 978-0-691-16292-8 [4007]. 978-0-691-17487-7 [4027]. 978-0-691-17790-8 [3945]. 978-0-691-17973-5 [4085]. 978-0-691-18386-2 [4023].
 978-0-691-20166-5 [4200]. 978-0-691-20612-7 [4184]. 978-0-691-20672-1 [4205]. 978-0-691-20734-6 [4190]. 978-0-691-20739-1 [4176].
 978-0-691-20983-8 [4151]. 978-0-7354-2332-9 [4206]. 978-0-7503-1150-2 [4174]. 978-0-7503-1470-1 [4221]. 978-0-7503-1713-9 [4139].
 978-0-7503-2078-8 [4169]. 978-0-7503-2140-2 [4150]. 978-0-7503-2294-2 [4136]. 978-0-7503-2374-1 [4204]. 978-0-7503-2376-5 [4204].
 978-0-7503-2460-1 [4209]. 978-0-7503-2558-5 [4144]. 978-0-7503-2672-8 [4207]. 978-0-7503-2676-6 [4147]. 978-0-7503-2688-9 [4161].
 978-0-7503-3081-7 [4188]. 978-0-7503-3083-1 [4188]. 978-0-7503-3399-3 [4201]. 978-0-7503-3439-6 [4251]. 978-0-7503-3449-5 [4249].
 978-0-7503-3461-7 [4170]. 978-0-7503-3521-8 [4140]. 978-0-7503-3539-3 [4244]. 978-0-7503-3567-6 [4241]. 978-0-7503-3581-2 [4233].
 978-0-7503-3609-3 [4142]. 978-0-7503-3611-6 [4142]. 978-0-7503-3639-0 [4260]. 978-0-7503-3649-9 [4173]. 978-0-7503-3651-2 [4173].
 978-0-7503-3653-6 [4222]. 978-0-7503-3655-0 [4222]. 978-0-7503-3659-8 [4202]. 978-0-7503-3713-7 [4232]. 978-0-7503-3801-1 [4234].
 978-0-7503-3863-9 [4240]. 978-0-7503-3875-2 [4253]. 978-019-8726-50-0 [4038]. 978-019-8802-87-7 [4041]. 978-019-8803-80-5 [4043].
 978-019-8831-86-0 [4082]. 978-052-1117-11-1 [4021]. 978-1-009-01369-7 [4182]. 978-1-107-02761-9 [4107]. 978-1-107-03429-7 [3421].
 978-1-107-03629-1 [4015]. 978-1-107-07657-0 [4079]. 978-1-107-11074-8 [4032]. 978-1-107-12920-7 [4072]. 978-1-107-13476-8 [4146].
 978-1-107-13522-2 [4157]. 978-1-107-13739-4 [4001]. 978-1-107-15445-2 [4048]. 978-1-107-16014-9 [4006]. 978-1-107-16365-2 [4003].
 978-1-107-18229-5 [4037]. 978-1-107-18941-6 [4040]. 978-1-107-18961-4 [4035]. 978-1-107-18963-8 [4066]. 978-1-107-19488-5 [4165].
 978-1-107-68453-9 [3425]. 978-1-108-12049-4 [4210]. 978-1-108-41507-1 [4063]. 978-1-108-41531-6 [4052]. 978-1-108-41846-1 [4078].
 978-1-108-42209-3 [4019]. 978-1-108-42731-9 [4071]. 978-1-108-42756-2 [4060]. 978-1-108-42808-8 [4020]. 978-1-108-42985-6 [4061].

978-1-108-42990-0 [4122]. 978-1-108-46650-9 [4034]. 978-1-108-47003-2 [4077]. 978-1-108-47122-0 [3994]. 978-1-108-47154-1 [4039].
 978-1-108-47164-0 [4130]. 978-1-108-47699-7 [4081]. 978-1-108-47700-0 [4005]. 978-1-108-47701-7 [4002]. 978-1-108-47743-7 [4092].
 978-1-108-48084-0 [4166]. 978-1-108-48368-1 [4168]. 978-1-108-49 [4177]. 978-1-108-49113-6 [4135]. 978-1-108-49145-7 [4248].
 978-1-108-49212-6 [4093]. 978-1-108-49493-9 [4197]. 978-1-108-49698-8 [4045]. 978-1-108-71751-9 [4046]. 978-1-108-72204-9 [4065].
 978-1-108-72740-2 [4211]. 978-1-108-81978-7 [4105]. 978-1-108-83497-1 [4129]. 978-1-108-84140-5 [4219]. 978-1-108-84142-9 [4185].
 978-1-108-90616-6 [4143]. 978-1-1087-0130-3 [4084]. 978-1-118-17361-9 [4116]. 978-1-119-26770-6 [4235]. 978-1-119-27728-6 [4120].
 978-1-119-50616-4 [4250]. 978-1-138-49993-5 [4094]. 978-1-138-59878-2 [4258]. 978-1-316-99574-7 [4215]. 978-1-4200-6471-1 [2701].
 978-1-78634-490-8 [4069]. 978-1-78634-511-0 [3956]. 978-1-78634-572-1 [4057]. 978-1-78634-704-6 [4070]. 978-1-78634-707-7 [4112].
 978-1-78634-712-1 [4114]. 978-1-78634-725-1 [4114]. 978-1-78634-955-2 [4223]. 978-1-80061-342-3 [4243]. 978-1-84831-044-5 [2329].
 978-1-84832-615-6 [2772]. 978-110-7106-77-2 [4042]. 978-110-8426-71-8 [4058]. 978-110-8488-39-6 [4036]. 978-111-9425-39-7 [3995].
 978-178-6346315 [4083]. 978-178-6347-03-9 [4095]. 978-3-030-04078-9 [4115]. 978-3-030-05449-6 [4031]. 978-3-030-12877-7 [4018].
 978-3-030-13612-3 [4091]. 978-3-030-50083-2 [4149]. 978-3-030-53693-0 [4148]. 978-3-030-55936-6 [4118]. 978-3-030-61372-3 [4171].
 978-3-030-62518-4 [4160]. 978-3-030-63409-4 [4145]. 978-3-030-72530-3 [4208]. 978-3-030-75638-3 [4191]. 978-3-0304-6776-0 [4154].
 978-3-0304-6776-0/ISBN [4154]. 978-3-0304-6777-7 [4154].
 978-3-0305-1846-2 [4155]. 978-3-319-70071-7 [4110]. 978-3-319-74783-5 [4059]. 978-3-319-96360-0 [3957]. 978-3-319-96835-3 [4047].
 978-3-527-34759-9 [4242]. 978-3-527-40926-6 [4022]. 978-3-527-83366-5 [4252]. 978-3-658-32645-6 [4218]. 978-4-431-54170-7 [3993].
 978-9-81-461268-5 [3337]. 978-9-81-461270-08 [3337].
 978-981-12-0119-6 [4004]. 978-981-12-0186-8 [4172]. 978-981-12-0423-4 [4106]. 978-981-12-0507-1 [4044]. 978-981-12-0645-0 [4123].
 978-981-12-0769-3 [4113]. 978-981-12-1389-2 [4138]. 978-981-12-1634-3 [4196]. 978-981-12-2654-0 [4225]. 978-981-12-3114-8 [4163].
 978-981-12-4959-4 [4256]. 978-981-12-6177-0 [4255]. 978-981-1230-51-6 [4231]. 978-981-15-9049-8 [4220]. 978-981-15-9437-3 [4254].
 978-981-1590-61-0 [4159]. 978-981-322-794-1 [4033]. 978-981-322-923-5 [4164]. 978-981-323-518-2 [4086]. 978-981-323-568-7 [3998].
 978-981-323-577-9 [4121]. 978-981-323-642-4 [3996]. 978-981-323-685-1 [4008]. 978-981-323-691-2 [4030]. 978-981-323-959-3 [4099].
 978-981-3233-331 [4028]. 978-981-3233-39-3 [4029]. 978-981-3237-70-4 [4067]. 978-981-3239-87-6 [4080]. 978-981-327-002-2 [3999].

978-981-327-075-6 [4068]. **978-981-327-133-3** [4098]. **978-981-327-206-4** [4062]. **978-981-327-252-1** [4119]. **978-981-327-399-3** [4108].
978-981-327-417-4 [4055]. **978-981-327-738-0** [4056]. **978-981-327-796-0** [4167]. **978-981-327-831-8** [4132]. **978-981-327-850-9** [4024].
978-981-3272-24-8 [4096]. **978-981-3276-82-6** [4010]. **978-981-3278-18-9** [3997]. **978-981-4350-51-8** [2893]. **978-981-4612-67-8** [3337].
978-981-4616-96-6 [3423]. **978-981-4616-97-3** [3423]. **978-981-4616-99-7** [3423]. **981** [2082]. **981-238-004-3** [2082]. **98pp** [4057]. **9th** [193].

A-Handbook-of-Mathematical-Methods-and-ProblemSolving-Tools-for-Introductory-Physics-Second-Edition [4201]. **Á.S** [2979]. **Aaron** [2932]. **Abbott** [2419]. **ABC** [2989]. **ABCs** [4223]. **Abdus** [2870, 2239, 3976]. **Abhay** [3508]. **Abingdon** [4257, 4259]. **above** [2459, 2508, 2412, 2301, 2394, 2372, 2355, 2432, 2373, 2656, 2484, 2721, 2736, 3069, 3021, 4207]. **Abraham** [3026, 129]. **Abraham** [3081, 2748].
Abrahams [2755]. **Absolute** [1476, 430, 229]. **Absorption** [2680, 141, 573, 3966, 135, 911]. **abstract** [3525]. **Absurdly** [4315].
Academic [584, 4009, 3776, 4211, 2311]. **academics** [2396, 2884, 3432].
Accardi [2945]. **Acceleration** [2569, 2480, 1656, 1648, 430]. **Accelerator** [2757, 3371, 1660, 3208, 1276, 1029, 3921, 3484, 3052, 3986, 2885].
Accelerators [3442, 3618, 3988, 3173, 1959, 1054, 3350, 3349, 3371, 2489].
accessible [3244, 2343, 3078]. **Accident** [1154]. **according** [3469, 3949].
account [1098, 2392, 2534, 2906]. **accounted** [1171]. **Accounts** [2637].
Accreting [2441]. **Accurate** [125]. **Acharya** [2943]. **acoustic** [482, 191, 1203, 3360]. **acoustics** [4120, 1726, 969, 1000]. **acquisition** [3351].
Across [2350, 141, 3931, 3601]. **actinide** [636]. **actinides** [913]. **Action** [2301, 2884, 1839, 2005, 3762]. **Active** [3266, 3094, 2835, 1516, 3891, 2467, 2432]. **Activity** [2993, 3354, 2013, 2325, 470, 2440, 3897]. **actual** [3593]. **Acuña** [4170]. **ad** [2104]. **Adachi** [3083]. **Adaptation** [2695]. **Adaptive** [2589, 2638, 3388, 3701]. **added** [4117]. **Addison** [3768]. **additive** [626].
Adiabatic [227, 405, 723]. **administrative** [397]. **administrators** [2548, 3206]. **Adrian** [3017, 4198, 3188, 3673]. **AdS** [3592, 2893]. **AdS/CFT** [3592, 2893]. **Advanced** [3333, 2926, 3037, 2801, 4321, 3364, 3232, 2416, 3014, 2322, 3178, 2921, 4120, 4060, 2883, 3122, 3318, 3393, 3211, 3052, 3350, 2502, 2788, 3073, 3509, 4241, 4217, 2936, 3180, 4202, 3301, 2911, 3107, 2458, 3011, 2966, 3485, 3072, 2865, 3384, 2459, 3383, 4184, 3349, 3137, 4113, 2866, 3035, 2942, 3142, 3123, 3296, 3658, 3023, 3507, 2749, 2842, 2838, 2836, 2853, 3275, 3194, 3353, 3408, 3488, 4183, 4240, 3144, 2428, 3092, 2907, 3168, 2735, 2494, 2992, 3245, 2541, 2845, 2901, 4072, 4178, 4190, 4198, 4252, 3279, 3343, 3344, 3450, 3452, 4257, 4259, 3323, 3407, 2887, 3184, 4242, 4250, 3081]. **advanced** [3043, 2993, 3435, 3438, 3437, 3422, 4105, 2597, 3099, 4187, 3418, 2348, 2387, 3046, 3224, 3287, 3196, 3270, 2333, 3431, 3233, 3366, 3429, 2844, 4165, 3034, 3235, 3398, 3492, 2891, 3128, 2365, 2817, 3114, 3277, 3005, 3210, 3415, 3446,

4186, 2292, 2461, 3423, 3026, 2950, 2881, 2929, 2594, 2497, 2899, 2649, 2499, 3084, 3259, 3307, 4200, 4205, 3049, 3231, 3234, 3065, 3216, 2839, 3248, 3282, 3272, 2664, 2415, 2835, 2874, 2924, 2837, 2834, 2880, 3062, 3066, 3119, 2997, 3063, 4054, 4083, 4053, 4080, 4079, 4169, 4170, 4189, 4234, 2436, 2657, 2677, 2676, 2943, 2909, 2728]. **advanced** [2782, 3183, 3096, 3064, 3414, 3380, 3476, 4071, 4255, 4188, 4070, 4066, 4077, 4167, 2310, 2314, 2390, 2608, 2620, 2896, 3228, 3461, 4253, 2719, 2805, 3148, 3255, 3264, 3265, 3482, 3483, 3151, 4174, 2579, 4216, 2468, 2501, 3286, 2951, 2947, 2298, 2401, 2398, 2451, 2399, 2619, 3191, 3185, 3278, 2488, 2905, 3087, 2848, 2454, 2453, 2388, 2373, 2470, 2613, 2646, 2591, 2656, 2663, 2484, 2956, 2721, 2736, 3082, 3068, 3153, 3041, 3021, 3242, 3170, 3260, 3411, 3338, 3372, 3475, 3495, 4058, 4207, 4176, 4215, 4175, 4185, 2922, 2915, 2882, 2967, 2919, 2852, 2704, 4101, 2744, 3741, 3750, 2615, 3076, 3661]. **Advanced** [3235, 2395, 2713, 2744, 2873, 2875, 4166, 2401, 3191, 3746]. **advanced/research** [2428]. **Advances** [3326, 1020, 4224, 2750, 3132, 771, 768, 963, 1203, 39, 2921, 3051, 2798, 2775, 4159, 3874, 3882, 3735, 3028, 44]. **Advancing** [90, 4125]. **advent** [4163]. **Adventure** [2933, 3603]. **Adventures** [2581, 2496, 3942, 4109, 2922]. **Advice** [4239, 2548]. **Advisory** [391]. **Aegerter** [4034]. **Aeppli** [3539]. **Aerodynamics** [2841, 3741]. **aerosol** [706]. **aerosols** [451]. **Aert** [4224]. **Aerts** [3320]. **afraid** [4145]. **after** [3468, 1628, 4048, 3465, 3949, 3267]. **afterglow** [736]. **aftermath** [3225]. **AG** [4208, 4171]. **again** [1543]. **against** [3603]. **Agarwal** [3019]. **Age** [3405, 4298, 4304, 4305, 18, 43, 3875, 1903, 1951, 1762, 1741, 2143, 1631, 3857, 3111, 3149, 3810]. **Agency** [834]. **Agents** [3095]. **Ages** [3044, 3802]. **aggiornamento** [86]. **aggregates** [1357]. **Aggregation** [1357, 1912]. **Agio** [3367]. **Agop** [3554]. **Agranovich** [3632]. **Agrawal** [2820]. **Agresti** [3562]. **agricultural** [4240]. **Aharonov** [1685]. **Aharony** [4096]. **Ahmed** [3401, 3432]. **Ahufinger** [3022]. **Aichelin** [4159]. **aids** [307, 846]. **Aihara** [4173]. **aims** [1778]. **AIP** [4206]. **air** [517, 2085, 2216, 4049, 1050, 138, 1035]. **Airless** [4054]. **Aitchison** [3509, 3216, 2263]. **Ajawad** [3315]. **Akhlesh** [2546]. **Akinwande** [2838]. **Akio** [3319]. **Akira** [3501]. **AI** [2857]. **Al-Khalili** [2857]. **Alain** [2686, 3287, 2929, 2760]. **Alamos** [1092, 1092]. **Alan** [3013, 3562, 3066, 3506]. **Alastair** [2904]. **Alavi** [3504]. **Albert** [1165, 3473, 3461, 1165, 3473, 2912]. **Alberto** [2565, 3608, 2624]. **alchemist** [4027, 1972, 2026]. **alchemy** [4132, 1688]. **Alcubierre** [3185]. **Alessandro** [3317, 3666, 3997]. **Alex** [2774, 2933, 2496, 3215, 2496]. **Alexander** [3079, 2767, 3133, 3371, 3577, 3492, 3189, 3208, 2804, 3606, 4]. **Alexei** [3079]. **Alexey** [3530, 4234, 3788]. **Alexia** [3659]. **Alfred** [3558]. **algebra** [1730, 1704]. **Algebraic** [2414]. **algebras** [3409, 4008]. **Algorithmic** [2568]. **algorithms** [3927, 1729, 3782, 3023]. **Ali** [3154, 2787, 3534]. **Aliaksandr** [4257]. **Alice** [1092]. **Alien** [3378]. **Alive** [3056]. **alkali** [1271]. **All-laser-driven** [3387]. **all-optical** [1594]. **Allan** [3506, 2580]. **Allday** [2498]. **Allemand** [3487]. **Allen** [291, 4117, 3064, 2953, 3164, 3622, 274, 282]. **Allori** [4154]. **Alloy** [3889]. **alloys** [314, 777, 1007, 295, 638, 536, 3103].

almost [2231, 3867]. **Alonso** [4032]. **Alpha** [1465, 2024]. **Alpha-particle** [2024]. **Also** [4225]. **Altarelli** [3935]. **Altena** [3082]. **alternating** [5, 398]. **Alternative** [3089, 2789]. **Alternatives** [2412]. **Altland** [3994]. **Alù** [3367]. **always** [981]. **Amabilino** [2503]. **Amador** [2533]. **Amaldi** [3442]. **Amanda** [2984]. **Amar** [2760]. **amateur** [3478, 3773, 3732, 2438, 3345]. **Amati** [2311]. **Amazing** [2645]. **Amen** [2876]. **American** [3751, 151, 479, 675, 701]. **Amir** [3956]. **Amiri** [3504]. **Amit** [3539, 3431]. **Ammon** [3498]. **Amoroso** [3261]. **amorphous** [1049, 901, 962, 543, 1278, 1282, 809, 3764]. **ampere** [13, 238, 185, 202]. **Amplifiers** [2820]. **amplitude** [3614]. **Amrein** [2492]. **Amy** [4186]. **Ana** [2771, 1844]. **Ana-Maria** [1844]. **analogies** [4243]. **Analogue** [3232, 164, 2731, 3640]. **analogues** [2731, 1892]. **Analysis** [4264, 1131, 2901, 633, 4289, 2623, 2943, 3188, 2592, 4078, 328, 802, 3715, 3947, 1841, 3895, 3808, 4222, 3577, 1886, 4007, 768, 299, 2727, 2354, 2940, 3629, 3793, 3868, 3896, 3131]. **analytic** [2359]. **Analytical** [2781, 2757, 3895, 475, 3943, 2845]. **Anand** [4178]. **Anantha** [2394]. **Ananthaswamy** [2519]. **Anatoliy** [4061]. **Anatoly** [2942]. **anatomy** [3078]. **Anca** [3240]. **Ancestry** [4314, 3423]. **ancient** [3251]. **ancillas** [3545]. **and/or** [2864]. **Anderson** [2755, 4048, 3766, 2886]. **Andrady** [4235]. **Andrea** [3179, 3004, 4146, 2526, 3367, 4208, 2400]. **Andreas** [2745]. **Andrei** [3576, 2898, 3277, 3483, 3306]. **Andreotti** [3213]. **Andrés** [3189]. **Andrew** [3037, 4045, 3349, 3150, 3577, 3018, 2539, 2983, 2839, 3166, 2620, 3281, 2787]. **Andrews** [3274, 3087]. **Andrey** [2913]. **Andrzej** [3350]. **Andy** [4144]. **Anecdotal** [2827]. **Angelo** [4154, 4208]. **Anger** [2870]. **Angilella** [3652]. **Anglos** [2803]. **Angular** [414, 2629, 3087, 609, 2374]. **Angus** [2828]. **Anil** [2788, 2519]. **animal** [1399]. **animals** [4219]. **Anindya** [4251]. **Anisotropy** [464, 2126, 2546]. **Anisovich** [3218]. **Ann** [2537, 2933]. **Anna** [3022, 3472]. **Anne** [3433]. **annealing** [2170, 3782]. **annealing-based** [3782]. **Annemarie** [3408]. **Annibale** [3789]. **Annick** [4224]. **Anniversary** [2238, 3461, 4092]. **annotations** [3473]. **Annual** [391, 137, 97, 158, 180, 221, 289, 341, 308, 26, 98]. **anomalous** [781, 2275, 3866]. **anomaly** [2186]. **Answer** [2610, 3708]. **answers** [1545, 4114, 4080]. **ant** [1578]. **Antarctica** [2906, 3113]. **antennas** [1356, 3159, 2273, 3367, 3404]. **anthology** [3432]. **Anthony** [3509, 3097, 4235, 3216, 4253, 3528]. **anthropic** [1408]. **anti** [2120]. **anti-neutrino** [2120]. **anticipating** [4028]. **Antiferromagnetic** [943]. **antiferromagnetics** [912]. **Antihydrogen** [2212]. **Antikythera** [3249]. **Antimatter** [1781, 1647, 3981, 2392, 4025]. **antineutrino** [122]. **antiparticle** [4173]. **Antiprotonic** [1451]. **antiquities** [2405]. **Antiquity** [2887, 3044]. **Antoine** [2568]. **Anton** [2827]. **Antonello** [3179]. **Anupam** [2978]. **anvil** [1363]. **any** [2352]. **anybody** [2308]. **anyone** [2463, 2466]. **Anyons** [1521]. **Aoki** [2472]. **Aoyama** [2657]. **Aperiodic** [2389]. **apertures** [1737]. **Apollo** [2003]. **App** [3239]. **Apparatus** [268, 2463, 2463, 31]. **apparent** [457]. **apple** [1834]. **Application** [1913, 913, 425, 683, 2629, 2953, 3934, 832, 223, 587, 2961, 4095].

application-driven [3934, 4095]. **Applications** [2893, 554, 1371, 3371, 798, 2749, 2842, 2836, 3207, 3444, 885, 3165, 2541, 3930, 2394, 4284, 2457, 2566, 2771, 2716, 4227, 2584, 3058, 2517, 3310, 3276, 2924, 2782, 2592, 543, 593, 3766, 2094, 2170, 1340, 1177, 618, 818, 121, 4321, 422, 3638, 298, 4138, 567, 3858, 3557, 3617, 384, 3630, 134, 862, 3768, 2272, 2811, 759, 4255, 1099, 1480, 2147, 2454, 4215, 4168, 2883, 3051, 2386, 3038, 2942, 2948, 3408, 2975, 2342, 2791, 2625, 2965, 3280, 3204, 2726, 3003, 3447, 2803, 3084, 2998, 2784, 2943, 2825, 3183, 2607, 3014, 2717, 3059, 2579, 2799, 3082, 3068, 2598, 3767].
applications [3498, 3619, 4254, 3646, 4240, 4026, 4242, 4250, 4158, 3531, 3486, 3665, 56, 4249, 3634, 3735, 4070, 3537, 3503, 3814, 3743, 3581, 3775, 3799, 3947, 4235, 2743, 2793, 3872, 3940]. **Applied** [205, 3493, 150, 175, 3953, 2486, 3747, 3653, 154, 3714, 3961, 3047, 3883, 2523, 3996, 3977, 2488].
Appraised [3071]. **Approach** [2686, 2966, 3089, 4269, 3243, 2422, 2398, 2669, 3300, 2025, 3480, 211, 152, 3914, 3920, 3563, 3466, 2811, 3572, 3880, 4129, 4219, 3221, 2117, 745, 2432, 2291, 4139, 4052, 4199, 3672, 4147, 4216, 3475, 3746, 3840, 3424, 3884].
approaches [2604, 2685, 2807, 2431]. **appropriate** [4173]. **April** [3063].
apse [59]. **Aquatic** [834]. **archaeological** [2515]. **Archaeology** [2590, 150, 175, 577]. **Archimedes** [510]. **Architectural** [1000].
Architecture [1386, 3650, 3421]. **Architectures** [2795]. **Arditty** [1191].
Aretxabaleta [3656]. **Argand** [425]. **Argon** [3154]. **Arieh** [3645, 3654].
Ariel [261]. **arising** [764, 3418, 240]. **aristocrat** [765]. **Aristotle** [2353].
Arkadiusz [3497]. **Arnab** [2594]. **Arnold** [2585, 3235, 4224]. **Arntzenius** [3182]. **Arregui** [3179]. **Arribas** [2779]. **Arrighi** [2319]. **arrow** [1928, 1835].
Arrows [2843, 3335]. **Art** [2417, 3520, 1058, 3472, 871, 3945, 820]. **Artés** [2979]. **Artful** [1858]. **Arthur** [1136, 3246, 739]. **article** [4154, 4221, 3448, 3432, 4224, 4172]. **articles** [2506]. **artificial** [840, 262, 2326, 3084]. **Artist** [4311, 3869]. **artistry** [4091]. **arts** [393]. **Arun** [3746]. **Arunachalam** [3014]. **Asa** [2772]. **Asher** [4058]. **Ashim** [2556].
Ashok [2936, 2693, 3409]. **Ashtekar** [3508]. **asking** [1974]. **Aslamazov** [2913]. **Aspect** [2686, 645, 2250, 3287, 2249]. **Aspects** [2897, 755, 3176, 1074, 2681, 162, 578, 1104, 2483, 135, 962, 4226, 3836, 228, 2609, 2976]. **aspiring** [4084]. **Aspuru** [3506]. **Aspuru-Guzik** [3506]. **Assembled** [2461, 2014].
assessment [1903, 1068, 1703]. **assisted** [1452]. **Association** [151, 75, 221, 136, 169, 307, 289, 341, 26, 98, 3654, 79, 147, 180, 213]. **Aste** [2334]. **Aster** [4053]. **asteroids** [1640, 1892, 3705]. **Asteroseismic** [4007].
astra [2104]. **astray** [2023]. **Astrobiology** [2089, 3129, 3263].
astrochemistry [3993]. **astrodynamics** [3685]. **Astrometry** [3069, 3082].
Astronautics [2889]. **Astronomer** [2299, 944, 3926]. **astronomers** [2438, 3773, 3732]. **Astronomical** [2788, 3435, 1608, 2442, 3039, 3267, 3705, 4112, 1516, 2788, 2504, 4112, 2835].
Astronomy [3472, 2727, 353, 929, 2682, 4114, 4200, 4205, 3243, 2778, 3183, 4125, 3215, 4133, 617, 844, 2439, 1587, 4143, 1551, 1783, 87, 3577, 2519, 3060, 954, 352, 1419, 2169, 1081, 3985, 1661, 1233, 3388, 2450, 2779, 3016, 2871,

2420, 2610, 3564, 3708, 3643, 4040, 3532, 4065, 3655]. **Astroparticle** [2881, 3593]. **astrophotography** [892]. **Astrophysical** [2750, 1351, 3978, 2404, 3858, 3286, 2424]. **Astrophysics** [2788, 3168, 2457, 2566, 4286, 2884, 2295, 3082, 710, 2252, 1279, 3854, 3824, 2251, 2023, 3926, 1716, 3228, 1734, 2738, 2972, 2415, 2310, 4063, 4174, 3113, 3435, 3438, 3865, 2682, 2594, 3533, 2442, 3621, 3985]. **astrospheres** [3891]. **Asymmetric** [788, 800]. **asymmetry** [4173, 1647]. **asymptotic** [3954]. **asymptotics** [3828, 2776]. **Athanasios** [3666]. **Athanassoula** [2467]. **Atkins** [2829, 1359]. **Atlantic** [789]. **ATLAS** [2647, 3020, 3732, 4031, 4015, 2505, 3066, 3648]. **Atmosphere** [2890, 1699, 3520, 2032, 3790, 1806, 178, 670, 1987, 923, 2223, 4104, 3211, 2593, 2288, 2295]. **Atmospheres** [2654, 1022, 3733, 2618]. **Atmospheric** [3520, 644, 639, 2807, 2905, 1406, 706, 978, 1480, 3610]. **Atom** [1634, 2128, 1832, 623, 637, 653, 3048, 2067, 1458, 3464, 1947, 3161, 4230, 1677, 1452, 2131, 4142, 1378, 1942, 1892, 1221, 3800, 3224]. **Atom-atom** [623, 637, 653]. **atom-ion** [623, 637, 653]. **Atomic** [2921, 2788, 4261, 4262, 3322, 1791, 2329, 38, 578, 2706, 2129, 2834, 3048, 834, 1913, 3946, 631, 1412, 3, 1641, 3938, 1270, 2763, 1349, 1503, 1776, 1602, 4112, 1664, 4224, 2445, 1277, 3939, 1055, 2277, 412, 311, 1817, 2788, 77, 241, 675, 2329, 3245]. **atomic-resolution** [4224]. **Atomistic** [3127]. **Atoms** [2220, 3393, 3022, 50, 4266, 1041, 3071, 1606, 4106, 3763, 1451, 1531, 2892, 1833, 565, 1720, 4118, 3659, 2175, 1119, 916, 1536, 1112, 800, 1162, 2287, 3631, 2107, 980, 1065, 1428, 623, 637, 1151, 1759, 2154, 4022, 2552, 3467, 1028, 1378, 1658, 2326, 2783, 2953, 4119, 2949, 3335, 3598, 3798]. **Attacks** [3517]. **Attard** [3038]. **attenuation** [203]. **Attosecond** [3011, 3729, 3550, 4172, 3696]. **attributes** [580]. **audience** [2427]. **Audretsch** [2371]. **Auffèves** [3659]. **Auger** [3792, 705]. **August** [3836]. **Auletta** [3282]. **Aung** [3319]. **aurora** [1648]. **Auroral** [3342, 604]. **Australia** [248]. **authenticating** [2405]. **authentication** [2228]. **author** [2074, 2151]. **authority** [810]. **autobiography** [3088, 3088]. **Automation** [323]. **automobiles** [1797]. **available** [4225]. **avalanches** [1792]. **Avijit** [2560]. **Avraham** [2991]. **award** [3476]. **award-winning** [3476]. **awards** [99]. **awkward** [735]. **Axel** [3531]. **Axelsson** [2441]. **axions** [2225]. **axis** [4241]. **Azároff** [2639]. **azoic** [1622].

B [3111, 2989, 2911, 3750, 3723, 3692, 3800, 4123, 4069, 2412, 1040, 2428, 2342, 1978, 3616, 4006, 4043, 4196, 4141, 3689, 3754, 3797, 4040, 4048, 2609, 2765, 3135, 2243, 2817, 3200, 3277, 2435, 2367, 2247, 2525, 3187, 3026, 2269, 2940, 2971, 2874, 4053, 2846, 2976, 3996, 4071, 3014, 2390, 3148, 3742, 4086, 2718, 2952, 3236, 2398, 2503, 2590, 3284, 4136]. **B-G** [2846]. **B.A.** [232]. **Baaquie** [3527, 2521]. **Babaev** [3460]. **Babiker** [3087]. **Babinsky** [2974]. **Babu** [3183]. **Babylonian** [1766]. **Bachmann** [3663]. **back** [1844, 3311]. **Back-of-the-envelope** [3311]. **Backer** [4224]. **background** [3520, 2661, 1628, 298, 2886, 3120, 1811, 3907, 706, 2292, 4157]. **backward** [1674]. **Bacon** [3614]. **bacterial** [2304, 1622, 1782]. **Bada** [2387]. **Badash**

[1092]. **Badawi** [3457]. **Bagarello** [4093]. **Bagchi** [3750]. **baggage** [2090]. **Baggott** [4137, 2329, 3763, 2694, 2986]. **Bailer** [3755]. **Bailer-Jones** [3755]. **Bailin** [3681]. **Baillon** [3480]. **Bailyn** [3383]. **Baines** [4042]. **Bajnok** [3591]. **Bajorski** [2888]. **Balachandran** [4071]. **Balakumar** [4071]. **balance** [1924, 1987]. **Balasis** [3787]. **Balázs** [3031]. **Ball** [2289, 3253]. **Ballet** [3100]. **Ballistics** [2843]. **Bandarenka** [4257]. **bandgap** [1326]. **bands** [4247, 1575, 3451]. **Banerjee** [2817]. **Bang** [4123, 3442, 1904, 1708, 2435, 3106]. **bangs** [856]. **Banhart** [2395]. **Banks** [2893, 2346]. **Baojiu** [4108]. **Bar** [3458, 1356]. **Bar-llan** [3458]. **Barber** [2389]. **Barbuy** [2467]. **Barengi** [3716]. **Barford** [3116]. **Barger** [3032]. **Barica** [4242]. **barium** [782]. **Barnes** [3695, 2709, 2631]. **Barnett** [2455]. **Barnsley** [3497]. **Baron** [2765]. **Barr** [3613]. **Barrabès** [3191]. **Barrat** [2352]. **Barrett** [4145]. **barrier** [1118]. **barriers** [640]. **Barrow** [2312, 2456]. **Barry** [3430, 2520]. **Barthélemy** [2352, 3707]. **baryogenesis** [1818]. **Basa** [2929]. **Based** [3265, 844, 2892, 604, 1276, 4081, 176, 3160, 2381, 4227, 2700, 3782, 3207, 3033]. **bases** [810]. **Basic** [3395, 2490, 3446, 2487, 2780, 364, 3953, 3520, 3480, 3895, 237, 245, 1529, 4122, 2454, 2897, 3072, 3240, 3675, 2769]. **Basics** [2927, 2717, 2420, 3494, 3581, 2510]. **Basis** [2427, 2409, 3365, 179, 360, 370, 3359, 3525]. **Bass** [1069, 2931]. **Bassi** [4154]. **Basu** [4007, 3141]. **Batanouny** [2432, 4166]. **Bates** [899]. **Batterman** [3091]. **Battisti** [2741]. **Baturin** [3276]. **Baulieu** [3736]. **Baumann** [3583]. **Baumberg** [3788]. **Baumer** [2627]. **Baumgarte** [2649]. **Baumjohann** [3072]. **Bayes** [2959, 2215]. **Bayesian** [3755, 2354, 2215, 3444, 2623]. **Bayin** [3995]. **Be** [2057, 1409, 2411, 3839, 4322, 2980, 3525, 530, 4145]. **Beale** [2676]. **Beam** [2465, 2146, 1177, 816, 1475, 1503, 924, 768, 1063, 1959, 3350]. **Beams** [3059, 1137, 1340, 761, 2, 1112, 1972, 524, 2121, 926, 2570, 1323, 1277, 3988]. **beams-origins** [1340]. **bearings** [614]. **beat** [1693]. **Beating** [2405]. **Beatriz** [2467]. **Beautiful** [2679]. **Beauty** [2279, 1975, 2103, 3462, 1753, 4299, 2894, 3254]. **became** [2127]. **Bécherrawy** [2900]. **Beck** [2992]. **Beckers** [2976]. **Beethoven** [2206]. **beginners** [2386, 2337, 3961, 1708, 1618, 1814, 4055]. **beginning** [3909, 2293, 2810, 2355, 2594, 2045, 2442, 2401]. **Behaviour** [2433, 1145, 887, 424, 3242]. **Behind** [3128, 3197]. **Behnia** [3580]. **Bei-Lok** [4141]. **Bekenstein** [2912]. **Belair** [3196]. **Belal** [3527, 2521]. **Belavin** [3079]. **Believing** [3968]. **Belkic** [2975, 2975]. **Bell** [3730, 2160]. **Bellac** [3287]. **Bellet** [2794]. **Bellini** [3207]. **Bellos** [2496]. **Bells** [4263, 3448]. **Bely** [2610]. **Ben** [4211, 2760, 3645, 3654, 2619]. **Ben-Naim** [3645, 3654, 2619]. **Bénard** [1234]. **beneath** [808]. **benefits** [3252, 2063]. **Benign** [4315]. **Benini** [2741]. **Benjamin** [3374, 2536]. **Benkadda** [3688]. **Bennemann** [3187]. **Benson** [2421, 3100, 2946]. **Beowulf** [2062]. **Berezinskii** [3313]. **Berger** [3508]. **Bergman** [4120]. **Berkeley** [3492]. **Berkowitz** [584]. **Berkshire** [2952]. **Berlin** [4059]. **Berman** [2678]. **Bernard** [2459, 875, 3596, 3149, 3604]. **Bernath** [3631]. **Bernevig** [3277]. **Bernhard**

[4197]. **Bernstein** [3448]. **Berry** [3903]. **Bersuker** [2428]. **Bert** [3036]. **Berthier** [3002, 2915]. **Berthold** [3398]. **Berthold-Georg** [3398]. **Bertin** [3377]. **Bertolotti** [3475]. **Bertone** [3197, 2630]. **Bertrand** [2884]. **Bessel** [2121]. **Beta** [1149, 2606, 1155, 2115]. **beta-decay** [1155]. **Beth** [2639, 2720]. **Bethe** [3346]. **Bettini** [3317]. **Between** [3213, 4305, 410, 667, 3875, 126, 407, 640, 3930, 2133, 2765, 2343, 204, 210, 623, 637, 3310, 735, 3654, 4104]. **Bevan** [3188]. **Beverly** [3508]. **Beyond** [3573, 3033, 3967, 4208, 3644, 4177, 3783, 2322, 2592, 2720, 2804, 2554, 3676, 2744, 3102, 2767, 2872, 2854, 2631, 2822, 3558, 4058, 3794, 2970]. **Bhatt** [2850]. **Bialek** [3080]. **Bianisotropy** [2546]. **Biedenharn** [2374]. **Big** [4123, 3442, 2435, 3283, 3106, 4221, 1708]. **Bigi** [2586]. **Bigio** [3565]. **Bikas** [3539]. **Bilal** [4254]. **bilayers** [1309]. **Bilgili** [3656]. **Bill** [2506]. **billion** [4303, 3876]. **Binêtruy** [4064]. **Binaries** [3067]. **binary** [1559, 3970, 59, 1512, 3075]. **Bing** [4107]. **Binney** [3260]. **Binoculars** [2439]. **Binoth** [3054]. **Bio** [2945, 2771, 647, 3584, 2945, 2771]. **Bio-Applications** [2771]. **bio-engineering** [647]. **Bio-Informatics** [2945, 2945]. **Bio-Interfaces** [2771]. **Biochemical** [2541]. **biochemistry** [3432]. **biochemists** [4097]. **bioengineering** [3432]. **Biographical** [811]. **biographies** [2668]. **Biography** [2057, 4322, 2565, 2508, 2870, 3017, 4073, 3102, 2191, 2886, 2983, 4117, 3006, 3490, 3048, 3149, 2934, 2650]. **Bioinspired** [3496]. **Biological** [2396, 2837, 2760, 3629, 1841, 1240, 4090, 2734, 3331, 3678, 1871, 4093, 1220, 3929, 3940, 4034, 3951, 2853]. **Biology** [1582, 3058, 4217, 1796, 152, 2233, 3077, 3487, 3832, 3432, 746, 3640, 2173, 3937]. **biomagnetic** [3630]. **Biomagnetics** [3630]. **Biomedical** [4319, 2975, 3407, 2396, 3457, 2671, 4103, 3565, 3062, 3440]. **Biomedicine** [2880, 3795]. **Biomimetics** [3104]. **biomolecular** [3706]. **Bionanomaterials** [4240]. **Biophotonics** [3246, 3683, 2396, 3998]. **Biophysical** [2409]. **Biophysics** [2457, 2837, 3832, 3432, 2844, 3080, 3606]. **biosciences** [3392]. **Biosensor** [2673]. **Biosensors** [2673, 2991]. **Biosystems** [2844]. **Biot** [238, 133]. **Biotechnological** [3408]. **Biphoton** [2723]. **Bipin** [2490]. **Birds** [3551]. **birdsong** [3008]. **Birkbeck** [53]. **Biroli** [3002]. **Birth** [3004, 2562, 2982, 2934, 2175, 2201]. **Birthday** [3412, 648, 694, 3681, 3976]. **birthplace** [2404]. **Bisi** [3623]. **bistability** [1170]. **Biswas** [2379]. **Bits** [2421, 2946]. **Bjerkhagen** [3232]. **Black** [2078, 3383, 2597, 2562, 2716, 2916, 2914, 2651, 3191, 2934, 2013, 2479, 710, 2252, 3784, 3477, 3576, 2251, 1681, 3825, 1264, 4208, 3963, 1512, 4033, 2857, 3040, 3273, 3411]. **blackbody** [1850]. **Blackett** [3702]. **bladder** [4241]. **Blagojević** [3126]. **Blahut** [4060]. **Blandford** [4184, 4190, 4176]. **Blank** [2370]. **Blanter** [2402]. **Blasio** [4059]. **Bleaney** [3200, 3200, 3026]. **Bletchley** [2772, 4265]. **blind** [846]. **block** [3967]. **Blockbuster** [3841]. **Blocks** [2780, 3674]. **Blodgett** [1202]. **Bloom** [2688]. **Blow** [3403]. **blue** [1748]. **Blundell** [2511, 3345, 2511, 2413, 2990]. **Boal** [3005]. **Board** [2478, 2697, 3158, 3288, 3725, 2958, 3569]. **Bob** [3512]. **Bobin** [3578]. **Boca** [4217, 4259, 4094, 4258]. **Bock** [1069]. **Bodies** [1265, 2737, 666, 2603, 4054, 3705]. **Body**

[3393, 3022, 2350, 3090, 4231, 3652, 3591, 1145, 3884, 3920, 3456, 3972, 2030, 3311, 165, 4166, 4302, 12, 2710, 3540]. **Boettcher** [3094]. **Bogolubov** [2665]. **Bohm** [1685]. **Bohman** [3047, 2979]. **Bohr** [2770, 4073, 3224, 3048, 4142, 2558, 1412, 1156]. **Boi** [2856]. **Boisvert** [2632]. **Bojowald** [4209, 2716]. **Bok** [2527, 2596]. **Bolin** [2367]. **Boltzmann** [3902, 3798, 368, 382]. **Bomb** [4261, 4262, 2329, 3226, 3524, 3102, 2018, 3938]. **Bóna** [2776]. **bonanza** [776]. **Bond** [3375, 866]. **bonding** [901]. **Bonds** [3451, 2521, 1759]. **Bonifacio** [1140]. **Bonilla** [2711]. **Bonnie** [2839]. **Book** [3670, 3806, 3834, 3817, 3757, 3776, 3767, 3807, 3766, 3942, 4133, 4132, 3622, 3711, 3953, 4120, 4078, 4060, 4106, 3878, 4149, 3651, 3741, 3841, 4010, 4057, 3764, 3763, 45, 57, 67, 130, 149, 173, 181, 189, 199, 207, 215, 226, 233, 244, 257, 271, 280, 294, 301, 309, 318, 327, 336, 343, 351, 357, 367, 373, 383, 392, 400, 408, 418, 426, 433, 443, 449, 460, 467, 473, 480, 488, 489, 496, 497, 503, 512, 519, 533, 556, 562, 569, 575, 585, 591, 599, 612, 620, 627, 634, 641, 649, 656, 663]. **Book** [668, 676, 681, 688, 695, 702, 708, 715, 720, 726, 733, 741, 750, 766, 758, 773, 779, 786, 787, 794, 803, 804, 814, 821, 822, 828, 835, 841, 842, 849, 851, 858, 876, 882, 888, 897, 920, 930, 939, 948, 956, 966, 973, 995, 1003, 1016, 1024, 1031, 1043, 1051, 1060, 1071, 1077, 1086, 1094, 1102, 1109, 1115, 1125, 1134, 1141, 1147, 1158, 1167, 1173, 1184, 1195, 1200, 1208, 1216, 1222, 1230, 1238, 1245, 1252, 1260, 1266, 1274, 1280, 1286, 1287, 1293, 1299, 1306, 1312, 1319, 1329, 1337]. **Book** [1344, 1352, 1360, 1367, 1375, 1382, 1389, 1396, 1403, 1410, 1417, 1425, 1432, 1439, 1446, 1455, 1462, 1470, 1477, 1484, 1491, 1498, 1508, 1513, 1519, 1525, 1533, 1539, 1548, 1556, 1567, 1576, 1585, 1592, 1598, 1604, 1611, 1613, 1619, 1625, 1632, 1638, 1645, 1654, 1662, 1668, 1675, 1682, 1689, 1695, 1701, 1709, 1718, 1724, 1732, 1739, 1746, 1755, 1756, 1763, 1764, 1771, 1779, 1784, 1789, 1794, 1802, 1809, 1815, 1821, 1828, 1837, 1845, 1853, 1859, 1867, 1876, 1884, 1889, 1901, 1908, 1919, 1929, 1939, 1945, 1953, 1961, 1970]. **Book** [1976, 1985, 1990, 1996, 2004, 2011, 2020, 2028, 2036, 2042, 2051, 2052, 2058, 2065, 2066, 2072, 2084, 2092, 2100, 2106, 2112, 2119, 2125, 2130, 2135, 2140, 2145, 2150, 2158, 2168, 2172, 2178, 2182, 2187, 2192, 2197, 2203, 2207, 2210, 2214, 2218, 2222, 2226, 2232, 2237, 2274, 2280, 2284, 3618, 3986, 3988, 3790, 3868, 3805, 3774, 3946, 4016, 4062, 4110, 4211, 4137, 4225, 3885, 3896, 3560, 3574, 3721, 3583, 3719, 3541, 3559, 3830, 4082, 4241, 4217, 3796, 3974, 4202, 4232, 3785, 3927, 4135, 3698, 3699, 3700, 3750, 3828, 3918, 3696, 3619]. **Book** [3901, 3772, 3912, 4140, 4139, 4254, 4038, 4000, 3934, 3539, 3580, 3625, 3710, 3635, 3835, 3899, 3898, 3872, 3873, 3944, 3984, 4032, 4009, 4056, 4055, 4210, 4206, 3656, 3716, 3644, 3840, 3943, 4035, 4231, 3677, 3695, 3723, 3579, 3609, 3692, 3800, 3875, 3791, 3748, 3759, 3848, 3855, 3881, 4005, 3945, 4045, 3913, 3935, 3914, 4018, 3938, 3955, 4028, 4073, 4123, 4069, 4154, 4182, 4177, 4134, 4184, 4191, 4221, 3646, 3839, 3877, 4027, 4100, 4113, 3715, 3663, 3869, 4118, 3599, 3585, 3900, 3738, 3947, 3919, 4061, 3554, 3544, 3657, 3658, 3659, 3744, 3747, 3538, 4143, 4209]. **Book** [3628, 3629, 3706, 3889, 3961, 4183, 4240, 3530, 3652, 3591, 3648, 3844, 3758, 3931, 4030, 4084, 4155, 4248, 3647, 4251, 112,

326, 3620, 4138, 4173, 3650, 3637, 3858, 3845, 3859, 3784, 3856, 3987, 3989, 3958, 454, 3626, 3679, 3883, 3762, 3793, 3739, 3983, 3930, 4026, 4072, 4052, 4178, 4190, 4148, 4198, 4163, 4252, 3561, 3557, 3617, 3616, 3895, 3808, 3894, 3753, 3755, 3809, 3960, 4006, 4021, 3962, 4081, 4156, 4204, 4130, 4203, 4162, 4235, 4222, 4257, 4259, 3771, 3884, 4025, 3948, 4002, 3915, 3925, 4001, 4046, 4043, 3975, 4041, 3920, 3954, 3999, 4029, 4044, 4008, 4024]. **Book** [4085, 4108, 4068, 4119, 4098, 4196, 4141, 4242, 4250, 3552, 3553, 3564, 3705, 3630, 3669, 3668, 3588, 3709, 3576, 3671, 3708, 3577, 3627, 3631, 3865, 3816, 3754, 3886, 3861, 3854, 3891, 3860, 3804, 3801, 3797, 3752, 3769, 3773, 3751, 3787, 4031, 4037, 4047, 3993, 4040, 3994, 4048, 3957, 4042, 3936, 4003, 4090, 4091, 4105, 4146, 4187, 3661, 3551, 3135, 3660, 3623, 3998, 4165, 3540, 3810, 3980, 3592, 547, 3563, 3794, 3921, 4097, 4107, 4157, 3825, 4150, 4186, 3578, 3587, 3608, 3678, 3597, 3832, 4007, 4017, 3982, 3525, 3717, 3614, 3632, 3862, 4112, 4114, 4115, 4117, 4159, 4161]. **Book** [4158, 4160, 3720, 3768, 3770, 3843, 3952, 3562, 3531, 3653, 3691, 3589, 3874, 3882, 3789, 3740, 3950, 4099, 4093, 4200, 4151, 4205, 4224, 3819, 3978, 3533, 3532, 3697, 3849, 3926, 3527, 3712, 3756, 3973, 4164, 3316, 3665, 3749, 3846, 3905, 4019, 4121, 4131, 3718, 3666, 3703, 3842, 4122, 4197, 4201, 4223, 4244, 4218, 4249, 3558, 3584, 3582, 3607, 3634, 3649, 3682, 3683, 3735, 3736, 3833, 3734, 3879, 3880, 3795, 3827, 3836, 3922, 3959, 3917, 4020, 4022, 4036, 3949, 4054, 4083, 4053, 4080, 4079, 4169, 4170, 4189, 4234, 3604, 3636, 3923, 4144, 3893, 3811, 3863, 3932]. **Book** [3724, 3613, 3704, 3526, 3690, 3476, 3543, 3645, 3693, 3681, 3864, 3831, 3777, 3803, 3996, 3995, 3929, 3933, 4071, 4129, 4255, 4208, 4188, 4219, 4070, 4066, 4077, 4166, 4167, 3654, 3760, 4199, 4260, 4095, 4096, 4094, 4253, 3537, 3566, 3536, 3565, 3567, 3534, 3575, 3595, 3610, 3612, 3674, 3673, 3596, 3611, 3672, 3903, 3814, 3887, 3904, 3742, 3745, 3888, 3902, 3813, 3890, 3743, 3812, 3939, 3941, 3940, 4065, 4064, 4063, 4220, 3555, 3528, 3529, 3702, 3701, 3871, 3838, 3870, 3837, 3979, 4086, 4092, 4142, 4147, 4171, 4174, 3786, 3788, 4216, 527, 3928, 540, 3977, 3937, 4034, 3976, 3713, 3733]. **Book** [3815, 4059, 3985, 4109, 3605, 3542, 3568, 3535, 3556, 3598, 3621, 3606, 3675, 3624, 3667, 3615, 3722, 3581, 3684, 3707, 3586, 3662, 3798, 3818, 3847, 3867, 3857, 3829, 3737, 3775, 3792, 3876, 3802, 3850, 3892, 3897, 3765, 4004, 4039, 3956, 4033, 3924, 3997, 4023, 3981, 3916, 4058, 4116, 4067, 4172, 4136, 4207, 4176, 4215, 4233, 3676, 4145, 4175, 4258, 3519, 3685, 3655, 3688, 3761, 4111, 4185, 4168, 3594, 3590, 3593, 3633, 3680, 3694, 3714, 3746, 3866, 3799, 3951, 4243, 4256, 2921, 3157, 3395, 3333, 2926, 2756, 3079, 3180, 2819, 3301, 3051, 3203, 2858, 2795, 2490, 2912, 3091, 3010, 3229, 3171, 3320, 3425]. **book** [3137, 2853, 3370, 2755, 3257, 2541, 3047, 3181, 3280, 2542, 3323, 3126, 3321, 3317, 3309, 2886, 2746, 3046, 3143, 3233, 3024, 2771, 2844, 3050, 3392, 3303, 3273, 3277, 3210, 3345, 2623, 3340, 3423, 3457, 3487, 2682, 2923, 2517, 2685, 2743, 2739, 2803, 2946, 3145, 3031, 3307, 3231, 3234, 3243, 2839, 2972, 3248, 3282, 3272, 2449, 3033, 3012, 2624, 3062, 2725, 3337, 3461, 3255, 2468, 3286, 3236, 3278, 2799, 3087, 2666, 3178, 3082, 3129, 3041, 3215, 3242, 3170, 3260, 2598, 2922, 4123]. **Booklet** [554]. **Books**

[461, 474, 481, 504, 513, 520, 528, 534, 541, 548, 563, 576, 586, 592, 598, 606, 613, 621, 628, 635, 642, 650, 655, 661, 669, 674, 682, 689, 696, 703, 709, 714, 721, 727, 734, 742, 751, 757, 767, 774, 780, 795, 813, 829, 836, 852, 859, 870, 877, 883, 889, 898, 904, 905, 910, 921, 931, 940, 958, 967, 975, 985, 987, 997, 1005, 1033, 1044, 1052, 1062, 1072, 1078, 1088, 1095, 1103, 1110, 1116, 1126, 1135, 1142, 1148, 1159, 1168, 1174, 1185, 1196, 1201, 1209, 1223]. **Books** [1231, 1239, 1246, 1253, 1261, 1267, 1275, 1281, 1294, 1300, 1307, 1313, 1322, 1331, 1338, 1346, 1354, 1362, 1369, 1377, 1384, 1390, 1398, 1404, 1411, 1418, 1426, 1433, 1440, 1448, 1456, 1463, 1471, 1478, 1485, 1493, 1500, 1509, 1514, 1520, 1526, 1534, 1540, 1549, 1557, 1568, 1577, 1586, 1593, 1599, 1605, 1620, 1626, 1633, 1639, 1646, 1655, 1663, 1669, 1676, 1683, 1690, 1696, 1702, 1710, 1719, 1725, 1733, 1740, 1747, 1772, 1780, 1785, 1790, 1795, 1803, 1810, 1816, 1822, 1829, 1838, 1846, 1854, 1861, 1869, 1878, 1891, 1895]. **Books** [1900, 1910, 1920, 1931, 1941, 1946, 1954, 1963, 1971, 1977, 1991, 1997, 2029, 2074, 2075, 2037, 2043, 2073, 2151, 2152, 947, 957, 974, 986, 1018, 1025, 996, 1004, 1017, 1032, 1061, 1087, 4186]. **booster** [71]. **Booth** [3203]. **Borchers** [4053]. **Boris** [3114, 3460, 3610]. **Born** [4092, 965]. **Bosanac** [3744]. **Bosco** [2884]. **Bose** [2704, 2573, 1720, 2277, 4228, 2436, 2580]. **Bose-Condensed** [2580]. **Boson** [3403, 3731, 2810, 3390, 3465, 3225, 3128]. **bosons** [2183, 1301]. **Bot** [3715]. **both** [1388]. **Botta** [2387]. **Böttcher** [4185]. **bottom** [2733]. **Bouchaud** [3002]. **Boucher** [2372]. **Boulevard** [2349]. **bound** [722, 1831]. **Boundary** [2974]. **bouquet** [3918]. **Bowen** [3567]. **Bowl** [2637]. **Bowler** [3127]. **Box** [3713, 2641, 3713]. **boy** [2002]. **Boyarkin** [2744, 2744]. **Boyd** [2310]. **Bozhevolnyi** [2879]. **Braat** [4020]. **Brading** [2535]. **Bradt** [3435, 2442]. **Bragg** [605]. **Brain** [2470, 4241, 3009]. **brain-bladder** [4241]. **Braithwaite** [2920]. **Brakke** [2915]. **branched** [1430]. **Brane** [2786]. **branes** [1830]. **brass** [1887]. **Brázdová** [3127]. **breakdown** [2137, 3646]. **breakers** [1693]. **Breakfasts** [2639]. **Breaking** [4265, 2183, 3354]. **Brendon** [2636]. **Breslin** [2411, 2933]. **Brézin** [2587]. **Brian** [3257, 4156, 3438, 3405]. **Bridges** [3699, 2675, 3853, 3812]. **Brief** [2989, 2057, 4322, 2951, 1423, 1242, 4180, 3985, 4153]. **briefest** [3654]. **Briggs** [2772]. **Bright** [3135, 2289]. **Brillouin** [603]. **Bringing** [3600, 3416]. **Brink** [4098, 2330, 3337]. **Bristol** [4241, 4202, 4232, 4140, 4139, 4221, 4251, 4222, 4161, 4201, 4244, 4169, 4170, 4234, 4144, 4188, 4260, 4253, 4142, 4147, 4174, 4136, 4207, 4233]. **Britain** [808]. **British** [213, 41, 75, 147, 169]. **Brittle** [587]. **Brizard** [3644, 2418]. **Broadening** [2807]. **Brochard** [2527, 2596]. **Brochard-Wyart** [2527, 2596]. **Brock** [2751]. **Brogia** [2330]. **Broida** [1092]. **Broken** [1569, 2349]. **bromide** [432]. **Bronnikov** [3040]. **Brosch** [2438]. **Brotherton** [3232]. **Brotherton-Ratcliffe** [3232]. **Brown** [1798, 4058]. **Brownian** [3186, 1796, 2088, 2131, 3584]. **Bruce** [2847, 2796, 4142, 4171]. **Brumer** [3065]. **Bruning** [3618, 3594]. **Bruno** [3678, 3213, 3503, 3056, 2453]. **Brunton** [4019]. **Bruß** [2297]. **Brussels** [869]. **Bruza** [3589]. **Bruzal** [2626]. **Bryan** [2663, 2507]. **Bryant** [3275]. **Bryson** [2506]. **Bubble** [633].

bubbles [812, 845, 1717]. **Buchwald** [3748, 3312]. **Budapest** [3724]. **Budhu** [3786]. **Budker** [3492]. **bugbears** [3929]. **Buhmann** [2427]. **Build** [3239]. **builders** [2474]. **Building** [3853, 2780, 168, 349, 3776, 264, 3674, 2463, 3524]. **Buildings** [2675]. **built** [2384]. **Buldyreva** [2807]. **Bulges** [2467]. **Bulk** [1466, 1472, 531, 4193]. **Bundle** [3840]. **Bunker** [2680]. **Burbidge** [2343]. **Burbine** [3705]. **Bureau** [555, 2467]. **Burguete** [3664]. **Burke** [4040]. **burning** [4125]. **Bursts** [2688, 2070, 2813, 3039, 3057, 2929, 4107]. **Burt** [3035]. **Burton** [3113, 56]. **Busch** [3710]. **Buscher** [3697]. **Buschow** [2830]. **Busemeyer** [3589]. **Business** [2657, 4057, 56]. **Butikov** [3476]. **Buttar** [3054]. **Buzug** [2465]. **Byrne** [2508]. **Byron** [4148].

C [4060, 3025, 2433, 2463, 2756, 2374, 2486, 2593, 2949, 2966, 3716, 2356, 3056, 3412, 2347, 3738, 2057, 2255, 2301, 2561, 4026, 4072, 2191, 3808, 3755, 2567, 3054, 3323, 4024, 3057, 2993, 3437, 3708, 3627, 4048, 2300, 2430, 2623, 3100, 2379, 2461, 2525, 3263, 3823, 3525, 2692, 2881, 2773, 3770, 2803, 2839, 2651, 3735, 4053, 2436, 2380, 2846, 2440, 2419, 2315, 3536, 3674, 2532, 3555, 3528, 2501, 3286, 2947, 3236, 2298, 4109, 2454, 2453, 2507, 2663, 2721, 3153, 3684, 3775, 3688]. **C.** [1461]. **C.H** [648]. **Cacialli** [2795]. **cackled** [2772]. **Cademartiri** [2529]. **cages** [3467]. **Cahill** [4077, 3170]. **Cai** [2791, 3118]. **Cairo** [3063]. **Calculation** [2566]. **Calculations** [2670, 3439, 4281]. **calculators** [807, 862]. **Calculus** [2754, 3256, 3347, 3485, 3922]. **Caldeira** [3303]. **Calder** [865]. **Caldwell** [3668]. **Callaghan** [3373]. **Calle** [2509, 2493]. **Called** [2403]. **Calogero** [3339]. **calorimetry** [227, 3818]. **Calvin** [4258]. **Cambridge** [4078, 4060, 4211, 662, 4135, 4032, 4009, 4210, 4035, 3425, 4005, 4045, 4182, 4177, 4061, 4143, 4084, 4248, 112, 4026, 4072, 4052, 4006, 4021, 4081, 4130, 4002, 4001, 4046, 4141, 4037, 4040, 3994, 4048, 4042, 4003, 4015, 4105, 4146, 4165, 3421, 4107, 4157, 2505, 3653, 4093, 1569, 4019, 2295, 4122, 4197, 3066, 4020, 4036, 4054, 4053, 4079, 4071, 4129, 4219, 4066, 4077, 4166, 4065, 4063, 4092, 4034, 3129, 4039, 4058, 4215, 4185, 4168, 255, 1045, 1053, 177, 1343, 2372]. **Cameron** [4142, 4171, 2839]. **Camley** [4009]. **Campanelli** [4161]. **Campbell** [3343, 4058]. **Campbell-Brown** [4058]. **Can** [1506, 4271, 1128, 2549, 3690, 530, 3839]. **Canadell** [2966]. **Cancer** [2991, 3432, 3603, 3990, 3596]. **Canio** [4147]. **Canonical** [2716]. **Canseliet** [3434]. **Cantilevers** [3331]. **Cantor** [4156]. **capacity** [1049]. **Cape** [3102]. **capillarity** [3573]. **Cappelli** [3004]. **Capri** [2827]. **capture** [977]. **Car** [2809]. **Carballido** [3678]. **Carballido-Landeira** [3678]. **Carbon** [3051, 2902, 2332, 3033, 3898, 3544, 1020, 2838, 3889]. **Cardiff** [75]. **cardiovascular** [1849]. **Cardona** [3189, 2792]. **career** [2921, 4120, 4078, 4060, 4106, 2686, 2883, 3157, 3395, 3052, 3350, 2989, 3061, 3098, 3201, 2667, 4241, 3022, 3180, 3506, 2819, 2648, 2911, 2840, 3107, 2593, 3298, 3365, 2830, 2715, 3124, 2544, 3376, 4231, 2795, 2955, 2865, 3116, 4154, 3349, 3137, 4113, 2866, 3038, 3095, 3035, 3247, 4118, 3296, 2939, 2836, 2853, 2785, 2988, 3194, 3179, 3353, 3408, 3499, 4240, 2617, 2775, 3207, 3370, 2621,

2907, 3168, 3245, 2791, 2841, 2999, 4072, 4052, 4178, 4190, 4198, 2965, 3279, 3501, 4235, 4257, 2693, 2660, 2800, 2954, 3054, 3407, 2887, 3126, 3205, 4085, 4108, 4068, 4119, 4196, 3184, 3007, 3081]. **career** [3074, 3099, 4187, 2538, 2820, 3046, 3431, 3143, 3233, 3366, 2670, 2771, 3050, 4165, 3303, 3398, 3492, 2716, 3128, 3274, 3382, 3080, 3005, 4157, 3230, 3210, 3446, 4186, 2539, 3340, 3423, 2526, 3026, 3003, 3424, 3189, 3511, 2680, 3015, 3162, 3447, 2929, 3367, 3232, 3307, 3449, 3065, 2622, 3430, 2839, 3272, 4121, 2784, 2712, 3127, 3033, 3012, 4122, 2815, 3094, 2780, 2624, 2835, 2874, 2924, 2837, 2834, 2760, 2750, 2880, 3062, 3119, 3409, 4054, 4083, 4189, 3347, 2546, 3414, 3476, 3489, 4255, 4219, 4166, 4167, 2759, 3138, 3014, 3346, 2725, 2557, 4199, 2896, 3228, 3461, 4253]. **career** [3148, 3146, 3141, 3404, 3391, 3410, 3440, 3482, 3441, 3481, 3483, 3439, 3504, 3503, 4063, 4220, 4174, 2758, 3191, 3185, 3278, 3508, 2799, 2807, 2826, 2654, 2665, 2666, 2832, 3306, 3495, 4058, 4215, 3397, 4185, 4168, 2920, 2882, 2967, 2919, 2586, 2769]. **cares** [3731]. **Carl** [2502, 2859, 1968]. **Carlile** [3236]. **Carlo** [3927, 4182, 3557, 4146, 2860]. **Carlos** [2509, 4119, 2493]. **Carlson** [3149]. **Carol** [3023]. **Carr** [2819, 2459]. **Carreira** [3300]. **carried** [1560]. **Carroll** [4036]. **carrying** [126, 407]. **Carsten** [2965]. **Cartesian** [3399]. **Cartier** [2301]. **Cartography** [3044, 4091]. **Cartoon** [4258]. **Cascade** [3146]. **Case** [4113, 4273, 2333, 2512, 999, 1008, 3459]. **Casimir** [1040, 2164, 1579]. **Casoli** [2476]. **Casquilho** [3507]. **Cassidy** [2906]. **Castañeda** [3014]. **Castellani** [3004, 2535]. **Castiglione** [2351]. **Castro** [3557]. **Cat** [3056, 2261, 3727, 1235, 2262, 3600]. **Cataclysmic** [2180]. **Catalin** [3500]. **catalysed** [1479]. **Catling** [3263]. **Causal** [2153]. **causality** [3220, 2208, 3684, 2545]. **Causation** [4271, 3690]. **Cause** [3354, 3247]. **caused** [1703]. **Causes** [2721]. **Cautionary** [2548]. **cave** [2026]. **Cavendish** [380, 3612, 211, 1045, 1053, 765, 177]. **Cavity** [4212, 2381, 1606]. **Cavity-based** [2381]. **Cavity-QED** [4212]. **Cayman** [4150]. **CDM** [3222]. **Cecchi** [3648]. **Cecotti** [3511]. **Celebrating** [2599]. **celebration** [3131]. **celebrations** [64]. **Celestial** [3044, 3000, 2832, 3685]. **cell** [1363, 3005]. **cells** [891, 4252, 35, 514, 2259, 1199, 2260, 2891, 2834, 3028]. **cellular** [4179]. **Cencini** [4208]. **census** [3781]. **centenary** [3131, 946, 2934]. **centennial** [3508]. **Centre** [3102, 4292, 800, 275]. **centred** [2117]. **centric** [3160]. **Century** [3349, 3168, 3369, 3121, 2682, 3468, 1137, 3828, 3945, 23, 2548, 1902, 4186, 235, 4200, 1097, 2258, 4234, 1464, 2887, 2460, 2449, 3618, 2257, 3753, 4042, 3909, 3989]. **Cepa** [2779, 2779]. **Cepa-Nogué** [2779, 2779]. **Cepheid** [2732]. **ceramic** [505, 2405, 3319]. **Cerenkov** [134]. **CERN** [680, 1495, 3389, 3731]. **Certain** [3414, 1705]. **Cetto** [1844]. **Ceulemans** [3758]. **CFT** [3592, 2893]. **CH** [4154, 4191]. **Chabert** [2920]. **Chadwick** [648, 749]. **Chaichian** [3240]. **chain** [2184]. **chains** [1879]. **Chakrabarti** [3539]. **Challenge** [2917, 961, 1812, 4192, 3194]. **Challenges** [3267, 3989, 2294, 1538, 3618]. **Cham** [4110, 4154, 4191, 4118, 4155, 4031, 4047, 4115, 4160, 4145]. **Chamber** [633, 192]. **chambers** [230]. **Champagne** [3196]. **Chance** [2957]. **Chandra**

[3423]. **Chandrasekhar** [2934, 2251, 1264]. **Chandre** [3167]. **Chang** [3412, 2866, 2787, 3011, 3412, 2567, 3046, 3720, 3030, 3693, 3536]. **change** [3333, 4103, 2204, 653, 165, 2367]. **changes** [1703, 290, 3372]. **channel** [4231]. **channelling** [478]. **channels** [1841, 3823]. **Chao** [3371, 3208, 3484]. **Chaos** [1618, 1664, 1546, 3471, 3638, 1391, 2016, 3235, 2416, 3996, 2351, 2972, 4004]. **chaotic** [2060, 3749]. **Chaparro** [4170]. **Chaparro-Romo** [4170]. **Chapelle** [3408]. **Chaplin** [4007]. **Chaplot** [2712]. **Chapters** [3143]. **characterisation** [3686, 3070, 3809]. **characterising** [4189]. **Characteristics** [2776]. **Characterization** [2614, 4203, 4180, 3015]. **Charap** [2848]. **Charbonneau** [3803]. **Charge** [1458, 1283, 2711, 1080, 637, 61, 402, 439]. **Charge-density** [1283]. **Charged** [552, 2388, 2569, 2480, 1542, 1948]. **charging** [303]. **Charles** [4149, 3383, 1092, 2597, 2632, 785]. **Charlier** [4081, 3265]. **Charlot** [2626]. **Charlotte** [3434]. **Chaudhuri** [2750]. **Chaumont** [3138]. **Chazelas** [3434]. **Checkerboards** [3214]. **Chekhova** [2746]. **Chelikowsky** [4022]. **Chemical** [2433, 2853, 1112, 2806, 3407, 108, 242, 834, 3629, 3993, 4090, 3432, 4189, 2060]. **chemist** [1649]. **Chemistry** [3309, 3238, 2319, 249, 1580, 4118, 3889, 223, 1163, 1171, 3432, 685, 3937, 1659, 3310, 4116, 3930]. **chemists** [3974, 4097, 2487]. **Chen** [2836, 3629, 4250, 2355, 3629]. **Cheng** [3499, 3071]. **Cheng-Chung** [3499]. **Chennupatti** [2775]. **cheque** [1984]. **Chern** [3948]. **Cherry** [3457]. **Chervon** [4044]. **Chiang** [3299]. **Chiang/translated** [3299]. **Chiao** [3522]. **Chiara** [4242]. **Chicago** [2191]. **Chien** [3299]. **Chien-Shiung** [3299]. **Childs** [2941]. **China** [4323, 187, 3441]. **Chiou** [3246]. **chiral** [4164, 4226]. **Chirality** [2503]. **Chityala** [3351]. **Cho** [2555]. **Chorus** [4263, 3448]. **Chou** [3371]. **Choudhuri** [2594, 3777]. **Choudhury** [2712]. **Chris** [4079, 3605]. **Christensen** [4015, 3384, 3001]. **Christian** [4241, 3320, 3659, 3708, 3660, 3340, 3490, 3482, 3217]. **Christmas** [253, 186]. **Christof** [4034]. **Christophe** [4081, 3265, 4004]. **Christopher** [2883, 2463, 3491, 3056, 3494, 3323, 3564, 3210, 2691, 2468, 1251]. **Chromey** [3643]. **chromism** [1370]. **Chromodynamics** [2609, 2822, 1066, 3825, 1394]. **Chu** [3066]. **Chua** [2932]. **Chuan** [3659]. **Chuang** [3649, 2656]. **Chuck** [2809]. **Chumakov** [2398]. **Chun** [3109]. **Chung** [3499]. **Churchill** [15, 3226]. **Cimatti** [4146]. **Cinette** [313]. **Cipelletti** [3002]. **Circuits** [3198, 2604, 3024, 2879]. **Circumstellar** [3309]. **cities** [3707]. **civil** [358, 397, 101]. **Civilisation** [2789]. **Clarendon** [1459]. **Clark** [3054, 2632]. **class** [211, 397, 2603]. **Classic** [3026]. **Classical** [2686, 2781, 1265, 4184, 4190, 3366, 3398, 1807, 2807, 511, 3470, 3750, 3971, 3944, 2320, 3585, 3386, 2127, 3895, 4187, 3419, 3331, 3906, 3417, 3736, 3864, 4129, 3887, 1262, 1892, 4176, 2048, 2648, 4035, 2999, 4002, 2726, 2692, 4161, 2391, 111, 2705, 2978, 2952]. **Classification** [2468]. **Claude** [2921, 2686, 3772, 2954, 3191]. **Claudia** [3611]. **Claudio** [3120, 4115]. **Claus** [2939, 2288]. **clay** [1766]. **Clays** [2614]. **Clean** [138]. **cleaning** [2090]. **Clear** [3730, 994]. **clearing** [16]. **clearly** [1806]. **Clegg** [3405]. **Clerk** [3281]. **Clifford** [3840]. **Clifton** [3757]. **Climate** [2282, 2367, 3333, 2204, 1325, 1595, 1703, 1987, 2890, 3713, 4039]. **Climates**

[2993]. **Climatic** [906]. **Clinical** [2842, 2876]. **cloaking** [3130]. **clocks** [38, 2327, 4074, 3966, 2060]. **Close** [2366, 4025, 2764, 2392, 2612, 3128, 2877, 2426]. **Closures** [3376]. **Cloud** [2663, 192, 1117, 1355]. **Cloude** [2584]. **Clouds** [2916, 3860, 3993, 1987, 3495]. **clue** [59]. **Clustering** [1879, 1465, 2024]. **Clusters** [1487, 4266, 2749, 500, 2780, 1641, 1070, 1791, 1036, 1649, 4022]. **CMS** [2647]. **Co** [4106, 1249, 4022, 740, 3794]. **co-existence** [3794]. **Co-operative** [1249, 740]. **Coarse** [2351]. **Coastal** [2484, 3656]. **COBE** [1628, 1652]. **Cockcroft** [1221]. **Code** [4265, 2562, 2228, 1693]. **Code-Breaking** [4265]. **Codebreaking** [2772]. **Codes** [209]. **coding** [3504]. **Coevolution** [2651]. **coexist** [1128]. **Coey** [4046, 2494]. **cognition** [3589]. **Cohen** [2921, 3718]. **Cohen-Tannoudji** [2921]. **Coherence** [2309]. **coherences** [3386]. **Coherent** [2198, 2797, 3601, 2869, 4138]. **coherently** [2179]. **Cohomology** [2444]. **Coiffier** [2956]. **coil** [126, 407]. **Cold** [3161, 2131, 4118, 1651, 2287, 4119, 4049, 2231, 1039, 4102]. **Cole** [3234, 2637]. **Coleman** [3911]. **Coles** [4015]. **Coletta** [4031]. **Colin** [3270, 4260]. **collaboration** [2050, 2064, 4, 719, 4161]. **collapse** [1415, 998]. **collapsing** [3477]. **Collected** [3079, 291, 380, 3432, 4317]. **Collection** [3114, 2350, 4154, 4221, 3448, 4187, 3432, 4224, 4172]. **collective** [1956, 3944]. **College** [54, 96, 53, 180, 221, 52, 106, 15]. **colleges** [79]. **Collider** [3403, 2542, 3731, 3594, 2012, 4138, 1064, 1495, 2183, 3465, 2471]. **Colliders** [2662, 2322]. **colliding** [1112]. **Collier** [3198]. **Collins** [2831]. **collision** [578, 711, 1677]. **Collisional** [2807]. **collisions** [1458, 1452, 623, 637, 653, 704, 1069, 623, 637, 653, 4168]. **Colloidal** [1144, 678]. **Colloids** [3002, 2443]. **Colloquia** [2467, 2737]. **Colombo** [3033]. **Colomo** [3004]. **colonial** [1782, 2002]. **colonies** [1622, 1782]. **Colonna** [4026]. **Colosi** [3765]. **colossal** [2209]. **Colour** [1370, 1227, 908, 3232, 139, 163, 1641, 885, 601, 37, 2289, 3575, 3624]. **Colvin** [3242]. **Combinatorial** [2685, 2743, 2739]. **Combinatorics** [2793]. **Combined** [834]. **come** [2305, 578]. **comes** [1762, 1631]. **cometary** [1510, 1535, 1644]. **Comets** [1113, 1640, 2996, 2353, 3355]. **comings** [1132]. **Comment** [1359]. **Commentaries** [3126]. **commentary** [3473]. **Comments** [2099, 2781]. **commercialization** [4252]. **Commission** [869, 1019]. **commissioning** [1495, 1054]. **committee** [30, 74, 40, 177]. **Common** [3247, 2257, 1097, 2258, 1883, 3645]. **Communicating** [1915]. **Communication** [288, 3806, 2184, 3504, 3664, 254, 2985]. **Communications** [3362, 2486, 337, 1188, 4060]. **Communist** [187]. **Communities** [869]. **Compact** [2441]. **compaction** [744]. **Companies** [2657]. **companion** [3988, 4279, 3528]. **Companions** [3427, 4296, 4297, 3668, 4114]. **company** [2057, 1343]. **Comparative** [1157]. **compendium** [2422]. **Compensated** [2340]. **Competitive** [4086]. **compilation** [701]. **Complementary** [2770]. **complete** [1297, 3679, 3870]. **completely** [1677]. **Complex** [2113, 2352, 2766, 2657, 2745, 3380, 1782, 3747, 2730, 3787, 1192, 4017, 2208, 3665, 4249, 3202, 2652, 3814, 3229]. **Complex-Valued** [2766]. **Complexity**

[2124, 3354, 1871, 2972, 1975, 3803, 2840, 3693, 4175, 3229, 4099].
Composite [950, 1481]. **Composites** [2817]. **Composition**
 [2826, 2188, 3990]. **Compositional** [3157]. **compositions** [4114].
Compound [3013, 2932]. **compounds** [1333, 3889, 1166, 1292].
Comprehensive [3375, 2905, 3851, 3975, 2372, 2348]. **Compressible** [2841].
compression [1114, 3919]. **compressive** [3673]. **Compton** [881, 739].
computable [2033]. **Computation** [2757, 3438, 2985, 2592, 2400, 2656, 1934,
 1872, 3975, 4286, 2499, 3950, 2528, 2371, 2499, 3785]. **Computational**
 [2777, 2794, 2616, 2432, 2997, 3741, 2061, 2749, 3883, 3950, 2487, 3582, 4120,
 2749, 3118, 3181, 3297, 3717, 3140, 3271, 2332, 2943, 4185]. **Computed**
 [2465]. **Computer** [3023, 1730, 2625, 711, 3127, 1684, 2317, 1091, 4217, 942,
 2062, 2517, 2653, 1704, 2649, 3239, 2457, 3033, 3842]. **Computer-Based**
 [3033]. **Computerized** [1775]. **computers** [1750, 1365, 1371, 2306, 56].
Computing [2033, 3027, 2512, 2317, 2399, 1966, 2455, 3545, 4216, 4255].
concentrative [1249]. **Concept**
 [2856, 342, 710, 2252, 1143, 2251, 1621, 2661]. **conception** [732]. **Concepts**
 [3089, 2965, 3240, 2874, 3064, 2579, 4191, 3895, 3994, 1529, 4093, 3733, 2456,
 139, 3109, 2696, 2529, 2348, 2739, 2511, 3847]. **Conceptual** [1661, 3791, 875].
Concise [2346, 3296, 2848, 3806, 3955, 3847]. **Conclusion** [1888].
condensates [2573, 2277, 4228]. **Condensation** [2436, 1720, 2516, 2704].
Condensed [472, 3124, 3279, 2850, 2616, 2472, 2432, 2389, 2349, 2401, 1137,
 1402, 1487, 1862, 3491, 3873, 2961, 3557, 1145, 4001, 3060, 1960, 2487, 3718,
 3879, 3880, 3836, 4166, 3505, 1414, 2580]. **Condensed-Matter** [2472].
condition [1745, 3851]. **Conditional** [3515]. **Conditioning** [3138].
conditions [1207, 530, 2340, 3242]. **Condon** [3655]. **conductance** [1728].
Conducting [1268, 1269, 4206, 1449]. **Conduction** [607, 506, 3501, 515, 439].
conductivity [677, 1049, 425, 542, 378, 537, 333, 1289]. **conductor**
 [558, 240, 3230]. **conductors** [918, 903]. **Cone** [2465]. **Cone-Beam** [2465].
Conference [143, 266, 3133, 3412, 156, 144, 3063, 137, 65, 79, 78, 554, 2727,
 3261, 2984, 3075, 3054, 193, 2932, 2898, 157, 338, 3189, 4159, 2884, 415, 2651,
 3012, 2780, 2760, 2750, 2441, 2822, 3039, 3067, 3267, 3348, 554, 51].
conferences [1070]. **confined** [1606]. **Confinement** [2646, 2928, 1825, 4164].
Conflicting [1836]. **Conformal** [2622]. **Conformational** [1449]. **confusing**
 [1989]. **Congrès** [366]. **congress** [464]. **Conjugated** [3116, 1370]. **Conlon**
 [3523]. **connected** [3456, 4302]. **Connections** [4104]. **Connolly** [3577].
Consales [3740]. **Consciousness** [1630, 2796]. **consequences** [23, 3689].
Conservation [3402, 2758, 414]. **conservatives** [1445]. **considerations**
 [3159]. **Consoli** [3997]. **Constancy** [1175]. **Constant**
 [4076, 2095, 632, 469, 712, 2254, 2253]. **Constantine** [2997]. **Constants**
 [3083, 632, 2038, 3292, 2087, 311]. **Constitution** [2335]. **construct** [2202].
construction [1495]. **Consultants** [555]. **contact** [114]. **containing**
 [991, 3889]. **Conte** [2489, 3052]. **Contemporary** [110, 2238, 303, 298, 306,
 335, 1766, 95, 128, 55, 80, 269, 936, 409, 630, 2605, 185, 1014, 3327, 4153].
Context [4271, 1643, 3690]. **Continental** [4274, 3078]. **Continua** [2702].

Continuous [3431, 3233, 2971, 4280, 2176]. **Continuum** [3205, 2365, 3947, 4061, 4178, 2874, 3096]. **contraction** [1615]. **contrast** [2362]. **Contreras** [3189]. **Contributions** [2599]. **Control** [3374, 3065, 2782, 2235, 1503, 2016, 3434, 4309, 2530, 4019]. **Controlled** [2045, 1898, 193, 719, 853, 4116, 3578]. **controls** [2086]. **Controversy** [4274, 3363, 3078]. **Contucci** [3269, 3735]. **convection** [1234, 3413]. **Convective** [1422, 1427, 3211]. **conversations** [3834]. **conversazione** [214, 276, 350]. **conversion** [3822, 806]. **converter** [791]. **convolution** [745]. **Cook** [4069, 1083]. **cool** [1378, 2441]. **cooled** [1720]. **Coolen** [3789]. **cooling** [723, 1536, 3852, 1864]. **Cooper** [1073]. **Cooperative** [1782]. **Coopersmith** [2661, 3762]. **Copeland** [3111]. **Copenhagen** [3513]. **Copernican** [4037]. **Copernicus** [3651]. **Coplan** [2463]. **copy** [3778]. **Corbally** [2468]. **core** [2188, 1290, 3722]. **Cornelius** [3119]. **CoronadoTM** [2302]. **Coronae** [3007]. **Coronal** [3007]. **correct** [1989]. **Correction** [4011, 4012, 1775, 3991, 4216, 3098]. **Correlated** [3029]. **correlation** [4169]. **correlations** [1712, 1691]. **Correspondence** [2765, 2437, 126, 2481, 3592]. **Corrigendum** [3324, 3325, 3385]. **Corso** [86]. **Cortez** [3507]. **Cosmic** [617, 1799, 3168, 3958, 3268, 2597, 2143, 156, 2292, 3423, 1075, 2000, 4314, 1659, 22, 3965, 4149, 4082, 4135, 1628, 1731, 2141, 1656, 3650, 3477, 3861, 1811, 4157, 3907, 1768, 415, 716, 1995, 345, 2447, 3203, 2870, 4143, 3845, 3669, 2379, 2881, 4065, 3667, 2456, 2964, 4243]. **Cosmic-ray** [2143]. **Cosmochemistry** [2613]. **Cosmogogenesis** [4288, 1562]. **cosmogeny** [1408]. **cosmogonical** [1466]. **Cosmological** [2095, 4076, 2815, 3859, 1550, 2343]. **Cosmology** [3040, 4279, 4324, 4325, 2716, 929, 2599, 919, 1555, 3784, 4196, 3797, 2519, 1617, 2435, 3390, 2126, 4121, 998, 2215, 4176, 4145, 3593, 2658, 3168, 3047, 3074, 3436, 2519, 3093, 2343, 2539, 4205, 2903, 2611, 2741, 2591, 2922, 3723, 4209, 3502, 3620, 4044, 3816, 1100, 3691, 4200, 3854]. **Cosmos** [4278, 3455, 3240, 3215, 4133, 4291, 4109, 1823, 3261, 3378, 3695, 3579, 4155]. **cost** [1516]. **costs** [2063]. **Cotton** [2663]. **Cottrell** [3805]. **Coulomb** [1657, 3294]. **Council** [391, 437, 3206]. **Count** [1937]. **counter** [1678]. **counter-intuitive** [1678]. **counting** [2892]. **coupled** [3820]. **coupling** [3659, 4119, 3202, 2209]. **Coupon** [2521]. **Course** [2790, 2365, 3108, 3304, 159, 206, 3974, 2490, 3692, 3488, 4072, 52, 4095, 3605, 74, 2875, 2559, 3679]. **Courses** [154, 342, 40, 248, 2320]. **cousins** [1235, 2262, 2261]. **covalent** [901]. **Covariant** [2848]. **covering** [2320]. **Cowie** [2319]. **CP** [3061, 1978, 2586]. **Cracking** [2562]. **Cracow** [499]. **Crafting** [2585]. **cranks** [1445]. **crashes** [2047]. **Craters** [2672, 4031]. **CRC** [4217, 4259, 4094, 4258]. **creates** [4149]. **Creation** [4298, 1597, 3857, 3844]. **Creativity** [2679, 941]. **Creator** [4276, 3453]. **Creep** [428]. **Cremona** [2532]. **Crescitelli** [3740]. **Creutz** [4164]. **crime** [823]. **Cripps** [3528]. **crisis** [18]. **Cristian** [3269]. **criteria** [1778]. **Critical** [2715, 1242, 2983, 2729, 521, 1903, 3516, 1703, 1912, 3929, 4147, 1737]. **Criticality** [3070]. **Critique** [2412]. **cross** [240, 3782]. **cross-disciplinary** [3782]. **cross-section** [240]. **Crossed** [816]. **Crossing** [4010]. **Crossover**

[3417]. **crowd** [4109]. **crud** [1243]. **Crusts** [2826]. **Cryogenic** [1006]. **cryogenics** [411]. **Cryptanalysis** [2568]. **cryptography** [1692, 1693]. **Crystal** [3154, 4269, 2341, 800, 3930, 4283, 346, 3310, 2892, 1441, 994, 3900, 1163, 3626, 4198, 1503, 1894, 3424]. **crystalline** [381, 4247, 1254, 1831, 506, 3255, 1298]. **crystallization** [999, 1008]. **crystallographer** [4253]. **Crystallographic** [3930, 3310, 3131]. **crystallography** [3711, 630, 3494, 48, 583, 2769, 4083, 3599]. **Crystals** [1457, 3344, 2300, 2102, 790, 677, 1405, 1870, 1435, 546, 121, 1096, 2256, 908, 1332, 432, 1570, 1271, 1144, 1099, 550, 830, 478, 3294, 347, 2668, 2255, 3254]. **CT** [2465]. **Cubero** [3584]. **Cugliandolo** [2846, 3772, 3374, 2760]. **Cui** [3113]. **Cullerne** [2358]. **Cultural** [2803, 2211]. **Culture** [2884, 3945]. **Curiosity** [2849]. **Curmudgeon** [2886]. **Current** [2807, 5, 752, 126, 407, 3499, 2129, 1475, 1466, 447, 240, 3174, 139, 3184, 3827, 2628]. **current-carrying** [126, 407]. **Current-Driven** [2628]. **currents** [640, 398, 1073]. **Curriculum** [245, 479]. **Curry** [3495]. **Curved** [2648, 2524, 1278, 1282, 4141, 625]. **Cusano** [3179, 3740]. **Cushman** [2976]. **Cushman-Roisin** [2976]. **Cutolo** [3179]. **cycle** [3550, 1863, 3777]. **cycles** [3456, 4302]. **cyclones** [1091]. **Cyclotron** [47]. **cylinders** [4206]. **Cyron** [4241]. **Czysz** [2453].

D [3806, 3817, 4120, 4106, 2312, 3368, 1121, 4062, 2786, 2297, 2374, 440, 3785, 3699, 2385, 4140, 2334, 3656, 2311, 2471, 2912, 3171, 3383, 4069, 4184, 3744, 3322, 3628, 2696, 2775, 2494, 3620, 3793, 4072, 4190, 3753, 4021, 4046, 2737, 3769, 4003, 2597, 2330, 3661, 2318, 2765, 3254, 3810, 2524, 4097, 2379, 2525, 3457, 2692, 2899, 2427, 2803, 3145, 3307, 3691, 3589, 2689, 2985, 3316, 3500, 3127, 3094, 2633, 3607, 3683, 2676, 3183, 3704, 3526, 2419, 3471, 2793, 1562, 2259, 2683, 3087, 3032, 2470, 2559, 2934, 3021, 4039, 4033, 4023, 4058, 4176, 4215, 2456, 2041, 2779, 3328, 3432]. **D** [3666, 2223, 4317]. **D-Brane** [2786]. **D.F** [4066]. **D.J** [4066]. **D.S.I.R.** [29, 99]. **Dae** [3493]. **Daglis** [3787]. **Daily** [4052, 3490]. **Dalarsson** [2740]. **Dalby** [4097]. **Dameris** [3520]. **Dams** [2675]. **Dan** [2647, 3314, 3621]. **Dance** [2417]. **Daniel** [3583, 4232, 2897, 2944, 4105, 2771, 3186, 3285, 2632, 2768]. **Daniele** [2431]. **Daniels** [2354]. **Danner** [2932]. **Danon** [3076]. **Dario** [3659]. **Dark** [1637, 4076, 2714, 2664, 2576, 3197, 2630, 1392, 2450, 3670, 3464, 3547, 1992, 4160, 2046, 3956, 3268, 3136, 3542]. **Darken** [2843]. **darkness** [2570]. **Darrigol** [2887, 3798]. **Darrin** [2590]. **Darwin** [1343, 2534]. **Dass** [3526]. **Data** [2727, 2766, 3093, 2623, 2354, 3188, 701, 3577, 1896, 4007, 4207, 3259, 4078, 3577, 2901, 3808, 4019]. **Data-driven** [4019]. **dating** [1020]. **Datta** [2556]. **Dattagupta** [2403]. **David** [2921, 3115, 4202, 2911, 3376, 3133, 3195, 3579, 3055, 2775, 3343, 3451, 4006, 3438, 3479, 2816, 2548, 2668, 2746, 2690, 3169, 3469, 3121, 3005, 3263, 1057, 3232, 3532, 3697, 3584, 3471, 3505, 2503, 3260, 3372, 4058, 4207, 2598, 2922, 3355, 2919]. **Davide** [4242, 4208]. **Davidson** [3143]. **Davies** [3425, 2845, 3684]. **Davis** [2463, 3323, 3255]. **Davy** [331]. **Dawid** [3219]. **Dawn** [3322, 4213]. **Dawood** [3098]. **Dawson** [2322].

day [53, 4146, 278]. **Days** [2772, 4265, 1160, 89, 195, 242, 256, 262, 265, 277, 365, 334, 406, 662]. **Dead** [3056]. **Dear** [3574]. **Death** [3152, 2657, 3039]. **Debate** [2778, 2558, 747]. **decade** [1217, 1225, 707, 2626]. **Decades** [3020]. **Decay** [1149, 2606, 1155, 1958, 1650, 2115]. **decays** [1978]. **December** [1136]. **decision** [3589]. **decisive** [1156]. **Decoding** [2495]. **Deconstructing** [3816]. **dedicated** [2787]. **Deen** [3141]. **Deep** [4296, 4297, 3355, 1926, 1069, 3427, 3668]. **Deep-Sky** [4296, 4297, 3427, 3668]. **Defect** [2068]. **Defects** [1805, 464, 1449, 970, 1823, 4198]. **defence** [101]. **defining** [4102]. **definition** [2892, 13]. **deformation** [3544]. **deformations** [4231]. **degree** [2412]. **Deji** [2838]. **Dekker** [4224, 3044]. **Délery** [2841]. **Delft** [3994]. **delight** [2157, 1042]. **delivered** [50]. **Delsanto** [4145]. **delta** [1588]. **delta-doped** [1588]. **demon** [3514, 1698, 2219]. **demonstrating** [3389]. **Demonstration** [151, 260, 861]. **Demonstrations** [3458, 236, 4287, 909, 285]. **demystified** [3645]. **Demystifying** [3336]. **Denny** [2851, 2843, 2675]. **dense** [1291]. **Density** [2965, 3450, 2539, 141, 3853, 1283, 4277, 3824, 3770]. **Density-Functional** [2965]. **Denstone** [52]. **Department** [53]. **departments** [270, 79]. **departure** [554]. **Dependability** [2670]. **Dependent** [2965]. **depolarization** [653]. **depths** [1228, 1373]. **Derek** [3411]. **Dereniak** [2385, 2385]. **Dereziński** [3217]. **Derived** [3071]. **Dermer** [2597]. **Desai** [2461, 2490]. **Desbiolles** [3487]. **Desch** [4150]. **Description** [2979]. **Design** [2757, 2836, 3159, 2660, 2797, 3362, 3300, 869, 54, 5, 4252, 4242, 1495, 1154, 444, 1713, 1054, 2493, 3605]. **Designed** [2753]. **designer** [420]. **Designing** [950, 2463]. **Desorption** [1244]. **D’Espagnat** [875]. **destructive** [2515]. **detail** [4201]. **Detailed** [631]. **detect** [3464]. **detected** [818]. **Detecting** [1523, 2194]. **Detection** [2076, 2476, 2839, 2032, 284, 2046, 823, 2224, 2954, 2387, 3792]. **detector** [3389]. **Detectors** [3204, 3013, 937, 273, 453, 1542, 2294, 1760, 1752, 4158, 4152, 2169, 3893]. **determination** [430, 469, 911, 141, 2526]. **determining** [1677]. **Determinism** [3235, 3220]. **Deterministic** [2016]. **Detlef** [4154]. **Detonation** [2393]. **Development** [4323, 2854, 1248, 3441, 802, 1194, 324, 1045, 1053, 2241, 707, 2109, 245, 1752, 1316, 322, 330, 2242, 1748, 792]. **Developments** [854, 1340, 1405, 1870, 630, 1881, 838, 537, 638, 12, 333, 1713, 4098]. **Devenish** [3613]. **Device** [2838, 3279]. **Devices** [2660, 2538, 2932, 652, 2320, 2567, 1635, 3940, 543, 2048, 3174, 3101, 2567, 3141]. **Deville** [2794]. **Devoret** [3374]. **Dewar** [394]. **Dewhurst** [3700]. **DeWitt** [2301]. **DeWitt-Morette** [2301]. **Dexheimer** [2386]. **Deza** [3132]. **Dfl** [662]. **Dharma** [3167]. **Dharma-wardana** [3167]. **Dharmadasa** [3028]. **Dharmaraja** [3014]. **Diagnosing** [456]. **Diagnosis** [850, 1048, 886]. **diagnostic** [1775]. **diagnostics** [589, 3990, 2991]. **diagram** [1964, 425]. **Diagrammatic** [3157]. **dialogues** [3834]. **diameters** [609]. **Diamond**

[2818, 11, 34, 93, 1363]. **diamond-anvil** [1363]. **Diamonds** [799]. **Dianne** [2512]. **Diaspro** [3795, 3608, 2624]. **diatomic** [4110]. **Dice** [2933, 4268, 1844]. **Dick** [3676]. **Dickerscheid** [2525]. **Dictionary** [2871, 3721]. **Did** [2336, 662, 1101, 2748]. **Didn't** [2312]. **Diederik** [3320]. **Dielectric** [2486, 1145]. **dielectrics** [832]. **Diep** [3209]. **difference** [407]. **Differences** [2345]. **Different** [2850, 2886]. **Differentiability** [3554]. **Differentiable** [2545]. **Differential** [2414, 2457, 2543, 2653, 3256, 3264, 542, 3480]. **differentiation** [3689]. **difficulty** [286]. **diffracting** [3370]. **Diffraction** [287, 3050, 2121, 471, 60, 246, 629, 938, 1295, 1759, 686, 212, 455, 1736, 3494]. **Diffuse** [3058]. **Diffusion** [4283, 1468, 1912, 1298, 817, 979, 3640, 3866, 3186, 3866]. **Diffusion-limited** [1912]. **Diffusive** [1622, 3413]. **Digital** [2022, 1316, 3232, 1188, 3559, 4144, 3101]. **Dilute** [777, 3103, 2436]. **Dimakis** [2842]. **dimension** [1503, 3433]. **Dimensional** [4289, 2622, 2316, 3868, 615, 3550, 3781, 3793, 3358, 1993, 1292, 4222, 2555]. **Dimensions** [3079, 4267, 3877, 1552, 2021, 1429, 3760, 60, 1199, 2260, 3040, 2902, 2622, 4210, 4121, 2259, 2895]. **Dimitri** [4029]. **Dimitry** [2815]. **Dimo** [2715]. **Dimock** [2687]. **Dimoulas** [3666]. **Dina** [2621]. **Dine** [2893, 3783]. **Ding** [4252]. **Dinh** [3440]. **Diode** [1528, 1270, 1748]. **Diode-pumped** [1528]. **Diodes** [2909]. **diploma** [154]. **dipole** [126, 664, 1948]. **Diptiman** [3539]. **diquarks** [2159]. **Dirac** [3840, 2350, 1569, 2953, 1933, 694, 2336, 3851, 2103]. **Direct** [1206, 2046]. **Directions** [2926, 2572]. **Dirk** [2615, 2823, 3144, 2937]. **disappearance** [2359]. **disaster** [763]. **discharge** [1046]. **discharges** [2137]. **disciplinary** [3782]. **disciplines** [2842, 2352]. **discontinuous** [515]. **discord** [2206]. **discotic** [1870]. **discourse** [50, 3157]. **discovered** [2735]. **discoveries** [4028, 2294, 1265, 2321]. **Discovering** [4101, 3676, 4256]. **Discovery** [3349, 2986, 1301, 3468, 4135, 2257, 1773, 2574, 3821, 1097, 2258, 3465, 1608, 4065, 2053, 247]. **Discrete** [4280, 4285, 3421, 2153, 3061, 3431, 2517]. **discrimination** [1935]. **Discs** [2441]. **Discussing** [2864]. **discussion** [261]. **dislocation** [1290]. **dislocations** [3826, 287, 1211, 3147]. **Disorder** [3139, 2007, 581]. **disordered** [3735, 2942]. **Dispatches** [2519]. **Dispersion** [3218]. **Dispersive** [2659, 1489]. **display** [1099]. **disposal** [1501]. **dissipation** [3639, 3303]. **Dissipative** [3162, 1140]. **dissymmetry** [470]. **distance** [1839]. **Distances** [1304, 840, 1731]. **distant** [2013, 1714, 262, 4303, 3876]. **distributed** [3745]. **Distributing** [4126]. **distribution** [368, 3517, 1776, 382]. **distributions** [1080, 2142]. **disturbances** [574]. **dited** [4058]. **Ditlevsen** [2689]. **Ditton** [334]. **Divakaran** [3539]. **diversions** [3828]. **diversity** [4150]. **Divide** [3056]. **division** [264]. **Djordjevic** [4216]. **Dmitry** [3492]. **DNA** [2108, 2101, 2077, 2053, 1544, 3606]. **do** [3698, 4005, 4154, 3034]. **Dobrosavljevic** [3230]. **Docktor** [4225]. **docs** [3057, 2993, 3016]. **documentary** [2367]. **documents** [4113]. **Dodd** [4211]. **Dodelson** [3709]. **dodging** [1858]. **D'Odorico** [2833]. **Does** [3383, 1998, 2097, 2933, 1347, 3982]. **doi.org** [4206]. **Dokshitzer** [2822].

Dollis [89, 277]. **Domain** [748, 3207, 546, 791, 909]. **domains** [943].
Domine [4125]. **Don** [3403, 3258, 3378]. **Donald** [3647, 3588, 3100]. **Dong**
 [3542]. **Donges** [3531]. **Donnachie** [2366]. **Donnelly** [3754]. **Donoghue**
 [3430]. **Don't** [4145]. **Door** [2742]. **doped** [1588]. **Doping** [1119, 518, 532].
Doppler [574]. **Dose** [3444, 1444]. **dosimetry** [832]. **dot** [3482]. **dots**
 [2326, 2014]. **Double** [2606, 2505, 2115, 631, 752, 3778, 3413].
Double-diffusive [3413]. **Doublet** [2966]. **doubt** [4023]. **Dowling** [3239].
Down [4271, 1607, 3822, 3416, 3690]. **down-conversion** [3822]. **Dr** [3488].
Dr. [1034]. **drag** [2276]. **drawings** [268]. **dream** [1972]. **dressed** [2175].
Dreyer [2340]. **Drift** [4274, 3078, 3640]. **Driscoll** [2749]. **Drive** [2849].
driven [3934, 2179, 3387, 4088, 2628, 4019, 4095]. **Drives** [3164]. **driving**
 [3563, 3360]. **drop** [1913]. **droplet** [1347, 2423]. **drum** [1627]. **Drummond**
 [3368]. **dry** [1571]. **DSIR** [127, 168, 213, 220, 264]. **Dua** [2943]. **dualism**
 [112]. **duality** [3498, 1830, 2961, 3510, 3863]. **Duan** [3489]. **Dubus** [3333].
Duck [3575]. **Ducloy** [2846]. **Dudley** [2725]. **due** [430, 165, 1737]. **Dufrène**
 [2834]. **dull** [1409]. **Dunajski** [2544]. **Duncan** [4199, 3791]. **Dunlop** [3066].
Dunmur [2668]. **Dunn** [2860]. **Dunningham** [2655]. **Duppe** [3611].
duration [1903]. **during** [1442]. **Dürr** [4154]. **Durrer** [4157, 2292]. **Dust**
 [3309, 3348, 2469, 2345]. **Dusty** [2652]. **Dutta** [3539]. **DVD** [3276, 3314].
DVD-ROM [3276, 3314]. **Dwarfs** [4090, 1749, 1798]. **Dwight** [3574, 3485].
Dykman [3024]. **dynamic** [3919, 3672]. **Dynamical**
 [1391, 3340, 2869, 2695, 1474, 3905, 4019, 3967, 2352, 3002, 2315, 2859].
Dynamics [3350, 2786, 2840, 2727, 3373, 4270, 2333, 3366, 3202, 2839, 2821,
 2500, 2976, 2416, 3471, 2181, 2184, 1887, 3554, 1422, 1427, 2604, 1994, 3515,
 1805, 1416, 3552, 2734, 1350, 1503, 1893, 952, 3678, 3832, 2062, 2208, 3749,
 3996, 3933, 651, 2219, 4088, 3707, 3867, 3761, 4168, 1817, 3025, 2561, 2806,
 2950, 2997, 2316, 2376, 2540, 2663, 4190, 3604, 3489, 4172, 3377, 3479, 3366,
 2461, 3430, 3482, 3921, 3932]. **Dynamo** [1768, 684, 403]. **Dyson**
 [3918, 3551, 3574, 3412]. **Dzevad** [2975].

E-Book [4118, 4143, 4209, 4183, 4155, 4196, 4187, 4186, 4189, 4144, 4220,
 4243, 4142, 4185, 4254, 4149, 4139, 4154, 4148, 4235, 4222, 4257, 4150, 3423,
 4200, 4205, 4224, 4201, 4244, 4260, 3337, 4171, 4145]. **ear** [421, 475]. **earliest**
 [1773]. **Early** [2815, 1214, 2854, 3014, 2921, 4120, 4078, 4060, 4106, 2686,
 2883, 3157, 3395, 3052, 3350, 2989, 3061, 3098, 3201, 2667, 4241, 3022, 3180,
 3506, 2819, 2648, 2911, 2840, 3107, 2593, 3298, 3365, 2830, 2715, 3124, 2544,
 3376, 4231, 2795, 2955, 2865, 3116, 4154, 3349, 3137, 4113, 2866, 3038, 3095,
 3035, 3247, 4118, 3296, 2939, 2836, 2853, 2785, 2988, 3194, 3179, 3353, 3408,
 3499, 4240, 2617, 2775, 3207, 3370, 2621, 2907, 3168, 3245, 2791, 2841, 2999,
 4072, 4052, 4178, 4190, 4198, 2965, 3279, 3494, 3501, 3450, 3452, 4081, 4204,
 4203, 4162, 4235, 4257, 4259, 2693, 2660, 2800, 2954]. **early**
 [3054, 3407, 2887, 3126, 3205, 4085, 4108, 4068, 4119, 4196, 3184, 3007, 3081,
 3074, 3689, 3099, 4187, 2538, 2820, 3046, 3431, 3143, 3233, 3258, 3366, 3429,
 2670, 2771, 3050, 4165, 3303, 3398, 3492, 2716, 3128, 3274, 3382, 3080, 3005,

4157, 3230, 3210, 3446, 4186, 2539, 3340, 3423, 2526, 3026, 3003, 3424, 3189, 3511, 2680, 3015, 3162, 3447, 2929, 3367, 2512, 3232, 3307, 3449, 3065, 2622, 3430, 2839, 1160, 3272, 4121, 2784, 2712, 3127, 3033, 3012, 4122, 3094, 2068, 2780, 2624, 2835, 2874, 2924, 2837, 2834, 2760, 2750, 2880, 3062, 3119, 3409, 4054, 4083, 4189, 3347, 1647, 2546]. **early** [3414, 3476, 3489, 4255, 4219, 4166, 4167, 2759, 3138, 3346, 2725, 2557, 4199, 2896, 3228, 3461, 4253, 3148, 3146, 3141, 3404, 3391, 3410, 3440, 3482, 3441, 3481, 3483, 3439, 3504, 3503, 4063, 4220, 4174, 3963, 2758, 3191, 3185, 3278, 3508, 2799, 2807, 2826, 2654, 455, 2665, 2666, 2832, 3306, 3495, 4058, 4215, 3397, 4185, 4168, 2920, 2882, 2967, 2919, 2586, 2769]. **early-career** [3365, 4185]. **Earth** [2335, 3456, 2289, 2898, 156, 3415, 2909, 3096, 4302, 2982, 3085, 3722, 4058, 1101, 3889, 3597, 570, 1751, 4104, 2188, 252, 1522, 178, 1212, 1773, 1924, 1700, 3416, 4290, 1788, 3423, 2672, 2993, 2644, 3276, 3676, 3134]. **Earthquake** [1067]. **earthquakes** [456]. **Earths** [3876, 3889, 4303, 2190, 2603]. **Easy** [2639, 861, 3037]. **eat** [3009]. **ebook** [4225, 4241, 4173, 4204, 4233]. **Echo** [3373, 1076]. **eclipse** [3908]. **eclipses** [3751]. **ecological** [4093]. **ecology** [4219]. **economics** [410, 3899, 3503, 3248, 2782]. **economists** [3503]. **econophysics** [2960, 2634, 3248, 2657]. **Ecosystems** [3410]. **ed** [2509, 4090, 3196, 2971, 3209, 2436, 2511, 2422, 2453, 2475, 2470, 2802]. **ed.** [3900, 3979]. **Eddington** [1136, 1264]. **Eddy** [3488]. **Edge** [2519, 2647]. **Edited** [584, 2082, 555, 3157, 3333, 3618, 2414, 2893, 2926, 2756, 3079, 3574, 3098, 3201, 1191, 2296, 2297, 848, 2819, 2527, 2596, 2767, 3051, 2840, 3699, 2386, 2485, 3203, 3772, 2830, 2858, 3313, 4032, 4009, 2795, 2311, 2912, 2751, 2727, 3091, 3133, 3010, 3229, 3261, 3171, 3412, 3320, 3425, 3945, 4028, 4123, 4154, 4221, 3646, 3371, 3137, 4100, 3659, 3747, 1131, 2984, 2798, 2991, 3104, 2988, 3194, 3179, 3353, 3408, 3499, 4240, 2775, 2779, 3370, 2626, 3075, 2755, 2342, 2421, 2541, 3004, 3784, 1092, 3047, 3626, 2294, 4252, 4235, 2366, 2542, 3054, 1069, 3126, 4108, 4119, 4196, 3184, 4242]. **edited** [4250, 2850, 2737, 3113, 2993, 3436, 3630, 3689, 3787, 4031, 4048, 4015, 2674, 2918, 2387, 2506, 2765, 2709, 2886, 2746, 3312, 3143, 3374, 2396, 3024, 2771, 3050, 3392, 3135, 2431, 3273, 3108, 2437, 2714, 3230, 2371, 2435, 2623, 2379, 2616, 3187, 3340, 3457, 3487, 3678, 2682, 3003, 3189, 2923, 2983, 4159, 4161, 2288, 1057, 2671, 2973, 3246, 3367, 2395, 2647, 2685, 2743, 2739, 2803, 2884, 2946, 3145, 3031, 3307, 3653, 3740, 4099, 4224, 3305, 2839, 2652, 4131, 2467, 2651, 2472, 2712, 3033, 3012, 3666, 3209, 3094, 2780, 2624, 2834, 2760, 2876, 2750, 3062, 3002, 3119, 3063, 3607]. **edited** [3735, 3795, 2974, 2846, 2441, 3132, 2535, 2443, 3476, 3681, 3760, 2725, 1140, 2322, 3337, 3461, 2315, 2376, 2378, 2628, 2627, 2629, 2720, 2879, 3059, 3440, 3441, 3481, 3505, 3673, 3596, 3611, 4220, 3281, 4147, 2368, 2503, 2630, 2799, 3664, 2632, 2822, 3087, 2599, 2666, 2388, 2470, 2590, 2721, 3082, 3129, 3684, 3792, 4033, 4058, 4136, 2598, 2787, 3676, 3039, 3067, 3267, 3348, 3594, 3590, 3593, 2922, 1146, 44, 3633, 3714]. **Edition** [3318, 3201, 3349, 3257, 3494, 3323, 3377, 3317, 3400, 3553, 3427, 3437, 3436, 3588, 2706, 3163, 3429, 3274, 3200,

3231, 3234, 3065, 3271, 3216, 3347, 3461, 3255, 3285, 3286, 3443, 3817, 3766, 4078, 3395, 2463, 2462, 4211, 3721, 3509, 2560, 3458, 3796, 2828, 4140, 2335, 4056, 2857, 3723, 3609, 4005, 4123, 2320, 4061, 4183, 3647, 2845, 3626, 3826, 4190, 4148, 3280, 3561, 3809, 4081, 4204, 4130, 3999, 3668, 3708, 3631, 3643, 3783, 4040, 3957, 4091, 4187, 4165, 3510, 3401, 4157, 2299, 3162, 3208, 3768, 3770, 3430, 3712, 2855, 4131, 3703, 4122, 4201, 4053, 4080, 4189, 4144, 3132].

edition
[3731, 3645, 3996, 3995, 4071, 4066, 4077, 4167, 2314, 2390, 4253, 3672, 3528, 3701, 4092, 4216, 2370, 2388, 2373, 3215, 3411, 3475, 3621, 3667, 3581, 3818, 4004, 4175, 2319, 4133, 3986, 3947, 3845, 3962, 3920, 3910, 3832, 3973, 3842, 3827, 3922, 3917, 3949, 3863, 3890, 3850, 3916, 4259, 4244, 4234, 4233].

Edition/ [4201]. **Editorial**
[419, 922, 1558, 2478, 2697, 2958, 3158, 3288, 3725, 3289, 1232, 3569].

Edmondson [2809]. **Edmund** [3349]. **edn**
[2788, 2829, 2786, 2667, 2936, 2927, 2715, 3124, 2868, 2955, 2865, 3116, 2866, 2945, 2995, 2939, 3023, 2621, 2907, 2639, 2792, 2533, 3036, 2901, 2806, 2684, 2954, 3016, 2996, 2523, 2889, 2916, 2738, 2517, 2796, 2873, 2890, 2869, 2997, 2676, 2728, 3109, 2976, 3138, 2557, 2701, 2638, 2913, 2579, 2952, 2982, 2665, 2666, 2646, 2663, 2885, 2736, 2827, 3134, 3153, 3021, 2882, 2919, 2586, 2703].

eds [3553]. **Eduardo** [3124]. **educated** [2353, 2438]. **education**
[78, 43, 307, 1019, 289, 341, 2644, 389, 79]. **educational** [362]. **Edward**
[3115, 2600, 3177, 1100, 4071, 2802]. **Edwin** [3411, 2175, 139]. **effect**
[1372, 1933, 933, 1685, 2765, 2164, 909, 1450, 490, 759, 13, 61, 133, 6, 2428].

Effective [1178, 2349]. **Effects**
[2425, 1012, 374, 2422, 834, 832, 3530, 4006, 2007, 1596, 4141, 425, 1987, 1602, 926, 2271, 2445, 542, 683, 507, 2248, 3546, 1635, 3482, 2721, 2247]. **efficiency**
[1797]. **Effrosyni** [3186]. **Efroimsky** [2832]. **Egdall** [3302]. **Egor** [3460].

Egypt [3063]. **Ehrlich** [2371]. **Ehsan** [3504]. **Ehud** [3410]. **Eicher**
[3579, 3355]. **Eichhorn** [3568]. **Eigen** [3380]. **eightfold** [3758]. **Eiji** [3184].

Einasto [3268]. **Einstein** [3840, 2565, 2912, 3987, 3009, 2562, 2864, 2649, 3006, 2436, 3473, 2718, 2558, 4067, 2534, 2704, 2573, 1720, 1950, 4076, 946, 1165, 3473, 3461, 3291, 2277, 4228, 2160, 1165, 3945, 3302, 3071, 3363, 3155].

Eisberg [3379]. **Eisberg-'t** [3379]. **EISCAT** [833]. **Either** [1388, 3056].

Ekert [2846]. **Ekspong** [2082]. **El-Batanouny** [2432, 4166]. **Elastic**
[2702, 491, 3900, 3544]. **Elasticity** [2835, 4198, 3359, 3864, 588, 4190].

Electric [2491, 1948, 2443, 311, 2304, 664, 398, 165, 61, 597, 2453].

Electrical [515, 3149, 560, 671, 374, 1401, 398, 1211, 1046, 1210, 3647, 3501].

Electricity [3200, 486, 4062, 374, 111, 3115, 3200, 2802]. **Electrification**
[114]. **Electro** [3323, 2378, 3362]. **Electro-optic** [3362]. **Electro-Optics**
[3323]. **Electrochemical** [1529, 2799]. **electrocrystallization** [448].

electrodynamic [202, 238]. **Electrodynamics**
[2856, 2848, 4268, 3738, 2811, 1606, 1844, 3398, 2744, 3166]. **electrojet** [494].

electrokinetics [4153]. **Electroluminescence** [140]. **Electrolysis** [514].

Electromagnetic [105, 2757, 3118, 3407, 3198, 2900, 1722, 4106, 3176, 2347,

4234, 4116, 247, 4140, 4038, 3744, 3747, 2366, 3642, 3382, 2546].
Electromagnetics [3055, 2486, 2347, 3714]. **Electromagnetism**
 [176, 3233, 13, 61, 133, 2978, 164, 286, 363, 511, 4232]. **Electromechanics**
 [3148]. **Electron**
 [2375, 1648, 640, 1364, 3118, 693, 1712, 1670, 1495, 1063, 3059, 1814, 915, 3953,
 631, 2221, 881, 476, 1045, 1053, 615, 1998, 845, 1143, 1308, 1956, 1064, 583, 1029,
 1677, 2642, 1452, 524, 607, 437, 1759, 686, 953, 971, 2272, 3874, 3882, 4224, 502,
 1120, 949, 705, 376, 651, 217, 2209, 455, 2275, 1225, 1131, 3026, 3937, 2344].
electron-atom [1677, 1452]. **electron-hole** [1308, 953, 949]. **Electronic**
 [2966, 3894, 2096, 3265, 1518, 1541, 1204, 4247, 2076, 4081, 1027, 807, 1807,
 901, 558, 962, 3903, 543, 2209, 1055, 4215, 1244, 3799, 651, 3116, 2466, 56,
 555, 2487, 4122, 3255]. **Electronics**
 [2795, 2998, 144, 771, 325, 1538, 65, 4229, 3101, 2746, 3446, 4260]. **Electrons**
 [3029, 2300, 1254, 860, 161, 174, 182, 190, 200, 788, 1285, 3779, 1151, 651,
 3446, 1057, 4172]. **electrophoresis** [1544]. **electrostatic** [522, 164, 1841].
Electrostatics [3118, 205, 298, 285, 303, 4206]. **electrothermal** [3961].
Electrotransport [731]. **Electroweak** [1818, 2183, 3677]. **Elegance** [3100].
Elementary [2560, 2897, 1318, 4321, 3317, 354, 2244, 197, 285, 315, 46, 2240,
 416, 296, 3913, 286, 1001, 3801, 3731, 4045, 2239, 2243, 2633]. **Elements**
 [2433, 938, 2769, 1204, 3889, 607, 1324, 2165, 119, 890, 3244, 2296, 3835, 3341,
 2729]. **Elena** [3004, 2535, 2592]. **Eli** [2619]. **Elias** [4131]. **Elihu** [2755]. **Elisa**
 [3667]. **Elizabeth** [3203, 4150]. **Elkins** [3689]. **Elkins-Tanton** [3689]. **Ellad**
 [2874]. **Ellen** [3333]. **Elliott** [2874]. **Ellis** [2311, 2903, 3171, 2984, 3690, 3684].
Elsevier [662, 4183, 4186, 4224, 4054, 4053, 4189, 4216, 4111]. **Elvira** [2387].
embryonic [1487]. **emergence** [3131, 3794, 3597, 1960]. **Emergent**
 [4075, 3469]. **Emidio** [4160]. **Emigration** [222]. **Emilio** [1265]. **Emin** [3169].
Emission [3098, 2102, 314, 1922, 643, 123, 2030, 698, 699]. **emissions** [1703].
emitter [4051]. **Emitting** [2909]. **Emlet** [4258]. **Emmanuel** [3306]. **Emmy**
 [3817, 2683]. **emphasizing** [3926]. **emulate** [4243]. **enabled** [4236].
encounter [3680]. **Encounters** [2796]. **Encrenaz** [2476, 3415].
Encyclopaedia [3119]. **encyclopedia** [3119]. **encyclopedic** [2422, 4031].
end [2810]. **endeavour** [2278]. **endor** [631]. **enduring** [3612]. **energies**
 [680, 2000, 2866]. **Energy** [145, 3350, 2926, 3073, 2662, 3194, 2999, 2597,
 2566, 3099, 4076, 2714, 1473, 2738, 2415, 83, 2722, 77, 241, 2789, 2928, 3593,
 834, 2450, 3807, 3333, 171, 416, 1922, 4179, 4217, 1340, 3464, 3715, 3570, 2733,
 3784, 1020, 1924, 764, 3824, 4049, 653, 686, 3352, 160, 1716, 1075, 137, 2831,
 412, 3818, 1127, 2447, 2293, 3542, 2661, 4257, 3274, 3892]. **engagement**
 [4186]. **engagement/kaminski/978** [4186]. **Engel** [3667]. **engineer**
 [4217, 3499, 3488, 2309, 2465, 2464, 2671, 2584, 4241, 4252, 4242, 4250].
Engineered [3374]. **Engineering**
 [3122, 2842, 450, 2396, 2797, 2590, 4078, 420, 428, 618, 2749, 4026, 4052, 1104,
 647, 3768, 2653, 3712, 4019, 3434, 4216, 4309, 444, 2041, 2358, 3055, 2794,
 3323, 2457, 2675, 3208, 2395, 3806, 3995, 3484, 2474, 2784]. **Engineers**
 [3014, 3178, 2967, 2883, 3122, 3395, 3333, 109, 2828, 3011, 3154, 2865, 3349,

3371, 3038, 3035, 2836, 3275, 3194, 3179, 3353, 3408, 2941, 2791, 2841, 4190, 4198, 2702, 2660, 2800, 2954, 2944, 3323, 3407, 3205, 2674, 3233, 3366, 2670, 3050, 2523, 3005, 4186, 2474, 3283, 3026, 3003, 3424, 3140, 3246, 2647, 3084, 3145, 3259, 3232, 3307, 3449, 3049, 3231, 3234, 2784, 2874, 2924, 2880, 3062, 3119, 2722, 4188, 2725, 2557, 4199, 4095, 3404, 3440, 3482, 3441, 3481, 3483, 3505, 3504, 3503, 2910, 2665, 2928, 2969, 3484, 3474, 3300, 4185, 2915, 2920, 2882, 2919, 2769, 4120, 4078, 4060, 4106, 4248, 4178]. **engineers** [4068, 4071, 4084, 4197, 4188, 3536, 3974]. **engineers.** [4072]. **engines** [932, 3966, 2453, 3349]. **Englert** [2846, 3398]. **English** [4187]. **Enhanced** [3408]. **enhancement** [3159]. **Enigma** [2796, 4027, 1992, 3997]. **Enlarged** [3065, 4187]. **enlightenment** [2278]. **enquiry** [231]. **Enric** [4141]. **Enrico** [2674, 3810, 3214, 2634, 4304]. **Entangled** [1407, 2055, 2371]. **entangled-photon** [2055]. **Entanglement** [2071, 2854, 3175, 2862, 1840, 4192, 2935, 3510, 3863]. **Enterprise** [2449]. **Entin** [4096]. **Entin-Wohlman** [4096]. **entropies** [3221]. **Entropy** [1297, 2866, 1574, 581, 2281, 3654, 4175, 3258, 4217, 3645, 2994]. **entry** [3979]. **envelope** [3926, 3311]. **Environment** [834, 252, 896, 1510, 1535, 1522, 2224, 2404, 2798]. **Environmental** [1671, 4273, 2204, 2722, 2833, 3766, 4240, 3459]. **environments** [3891]. **Enz** [2057]. **Eothen** [313]. **epidemics** [2762, 4219]. **epitaxial** [1341]. **epitaxy** [1475, 1503]. **epitaxy-fundamentals** [1475]. **EPR** [1808]. **Equation** [2995, 2953, 2730, 625, 2154, 3640, 4105, 3902]. **Equations** [3840, 2457, 2543, 2649, 3256, 3573, 4156, 2605, 1259, 3866, 2414, 2653, 2874, 3402]. **equatorial** [691]. **Equilibrium** [2290, 2824, 2406, 3833, 297, 2369, 2219, 4168, 4095, 3038]. **equinox** [3394]. **Equipment** [2670, 4244]. **equivalence** [1614, 238]. **Equivalent** [3198]. **era** [3518, 2045, 3101, 3613, 3825]. **Erasmus** [4113, 3370]. **erasure** [1943]. **Erdmenger** [3498]. **Eren** [3407]. **Erenso** [4232]. **Eric** [3244, 3597, 2983, 3183, 2582, 3042]. **Erik** [3119, 2804]. **Ernest** [3171]. **Ernesto** [3642, 3665]. **erosion** [2213]. **Erratum** [198, 427, 1224, 1321]. **error** [3991, 4216]. **Errors** [396]. **eruption** [2001]. **Eruptive** [2223]. **Erwin** [3309]. **Escribano** [3678]. **especially** [2811]. **Espenak** [3751]. **Esposito** [2674]. **Essay** [2099, 3520, 3909, 155, 1121, 1335, 2893, 2772, 3523, 1265, 1778, 1191, 1808, 1800, 440, 675, 848, 1820, 2034, 3522, 1836, 3911, 205, 3425, 1040, 1083, 1777, 1852, 2057, 1131, 223, 2329, 3102, 3524, 1783, 1904, 1857, 146, 1938, 1801, 965, 1092, 2191, 875, 1770, 1069, 4015, 3910, 1843, 2035, 2765, 316, 850, 3421, 2644, 3423, 1100, 1851, 3078, 1057, 1819, 56, 1813, 1165, 1653, 129, 3521, 1858, 2552, 1937, 1140, 2701, 3337, 1039, 1562, 1814, 1844, 1827, 188, 2041, 1146, 44, 834, 1835, 1936, 584, 2426, 2413, 2710]. **Essays** [3381, 2311, 4196, 3681, 2983]. **Essence** [2486, 1504, 4083]. **Essential** [2312, 3212, 3067, 1442, 3541, 3212, 3315, 3552, 3887, 3655]. **Essentials** [4319, 3139, 4182, 2320, 3055, 3457, 2950, 4174, 3068]. **Essig** [4028]. **Establishment** [77, 241]. **Establishments** [213, 127, 168, 220, 264]. **estimation** [4053]. **Estrada** [3665]. **Ether** [1132, 4100]. **Etienne** [3500].

Ettore [2359]. **Eugene** [3430, 2924, 2580, 3476, 3505]. **Eugenio** [3204].
Euler [3235]. **EUR** [4148, 4208]. **EUR139.13** [4224]. **Euro** [4253]. **Europe**
[3956, 740, 3001]. **European** [869, 667]. **evaluation** [1503]. **Evans** [2542].
evaporatively [1720]. **evening** [50]. **events** [3800, 2223]. **ever** [1916].
Everett [2508, 3469, 3164, 3469]. **Everettian** [4014]. **everybody**
[2080, 3752]. **Everyday** [3302, 2971]. **Everyone** [4300, 3871, 4145].
Everything [3283, 4304, 2124, 3295, 3856, 3810, 1601, 3867, 3931].
Everywhen [2581]. **Everywhere** [2581]. **Evidence** [3093]. **Evolution**
[2843, 4282, 3266, 3364, 3422, 2709, 2839, 2467, 2620, 2501, 2994, 3134, 755,
4123, 374, 3479, 3861, 3993, 3970, 4146, 81, 1851, 1911, 4114, 3533, 1220, 2960,
890, 2621, 2826, 3928]. **Evolving** [2993]. **exact** [4210, 2718]. **Exactly** [3652].
exam [3492]. **examination** [2359]. **Example** [3052]. **Examples** [1678].
excellence [1927]. **Excel(R)** [2901]. **Exchange** [1515, 1458, 653].
Excitability [2409]. **excitable** [2325]. **excitation**
[1518, 1541, 831, 623, 637, 653, 1517]. **excitations** [1027, 2897, 3214, 3632].
excited [980, 1776]. **Exciting** [1531, 3516]. **Exciton** [2516]. **Excursions**
[3262]. **exegesis** [3798]. **Exercises** [3138]. **Exhibition**
[38, 144, 65, 36, 37, 97, 158, 441, 485, 308, 526, 568, 619, 442, 39]. **exhibits**
[214, 276, 350]. **existence** [2161, 3794]. **Exner** [2370]. **exobiology** [4123].
Exofrontiers [4221]. **exoplanet** [3698, 3910, 2654]. **exoplanetary**
[4221, 3733]. **Exoplanets** [3067, 4303, 2709, 3415, 3876]. **Exotic**
[722, 565, 2971, 1879, 2514]. **Expanded** [3349]. **Expanding** [2778, 3620].
expansion [837, 1615]. **expeditions** [3908]. **expenditure** [675].
experienced [3967]. **Experiment**
[2164, 2712, 3853, 2383, 414, 2120, 789, 545, 3916, 2992]. **Experimental**
[3395, 1255, 2837, 2750, 1149, 982, 3480, 785, 2294, 3824, 2519, 3510, 1529,
1812, 3863, 4078, 2616, 3555, 3236]. **experimentalists** [4202]. **Experiments**
[2927, 2662, 4287, 3006, 2924, 151, 646, 5, 3696, 2339, 861, 816, 3161, 980,
1811, 4087, 4089, 3997, 3590, 2647, 3696, 3458]. **experts**
[2659, 3206, 2453, 2388, 2590, 2663]. **experts/advanced** [2388]. **Explained**
[3071, 2453]. **explaining** [3731]. **explanation** [3649]. **Exploding** [2929].
Exploration [3020, 1974, 482, 1021, 281, 305, 312, 329, 337, 344].
Explorations [412, 435]. **explorer** [1628]. **explores** [4172]. **Exploring**
[2195, 1590, 602, 3206, 3433, 3151, 3270, 3608, 19, 4187, 3114, 2899, 2860, 2608,
4039]. **explosion** [1657]. **explosions** [820, 456, 3586, 3075, 3761]. **explosive**
[459]. **exposition** [440]. **Exposure** [3575, 1596]. **extending** [3731].
Extensions [3311]. **external** [3482]. **extinction** [1629]. **Extra** [3040, 2839].
Extra-Solar [2839]. **Extragalactic** [752, 3907]. **Extraordinary**
[3403, 3128, 4301, 4047]. **Extrasolar** [2476, 3334]. **Extraterrestrial**
[3195, 3378]. **Extreme** [3356, 3242, 3242]. **extremely** [142]. **extremes**
[2110]. **Eye** [2943]. **eyes** [1399, 3615]. **Ezawa** [2422]. **Ezekiel** [1191].

F [899, 2357, 2486, 2485, 3772, 2375, 3539, 2425, 3716, 2795, 3695, 2984, 3322,
2988, 2764, 3308, 3212, 3193, 2779, 2931, 2255, 2421, 2392, 4081, 2383, 2366,

3113, 3016, 3341, 3553, 3631, 3643, 3773, 3751, 4040, 4042, 2387, 2333, 3374,
 2562, 2476, 2526, 3189, 2946, 4093, 3697, 3430, 3712, 2903, 2432, 4201, 2846,
 3255, 3265, 3566, 3555, 2422, 4059, 2632, 2426, 3082, 3535, 3484, 3684, 4172,
 3397, 2768, 4231]. **F-theory** [2383]. **F.R.S** [1136]. **F.R.S.** [648, 796, 1034].
Fabbrichesi [4160]. **Fabian** [3520]. **Fabre** [3772, 2686]. **Fabrice** [3788].
Fabry [3862, 657]. **Faces** [3840, 894, 2441]. **facilities** [2355]. **facing** [270].
Facsimile [3473]. **Fact** [2548]. **Factors** [387]. **Facts** [3913, 2343]. **Fadeev**
 [3885]. **Fadin** [2609]. **Fähnle** [2522]. **Failed** [2658, 3502]. **Failure** [3384].
Faist [3146]. **Faith** [3426, 3636]. **Falcioni** [2351]. **Falkovich** [2790]. **fall**
 [1265]. **Fallacy** [2753]. **Fallani** [3245]. **Fallible** [1644]. **Falling** [1265]. **false**
 [2133, 1171]. **Familiarity** [3380]. **family** [1139]. **fantasy** [3636]. **Fantini**
 [3565]. **Far** [495, 2272, 582, 602, 3833]. **Far-infrared** [2272]. **Faraday**
 [2650, 165, 84, 247]. **Faraoni** [4243]. **Faria** [2681, 2316]. **Farr** [3264].
Fascination [2371]. **Fashion** [3636]. **Fasolino** [3033]. **Fast**
 [903, 283, 1594, 887, 2809]. **fastest** [4172]. **Fatermans** [4224]. **Father**
 [4304, 3810]. **Fathi** [2315]. **fatigue** [428]. **Faucher** [2396]. **favourite** [2034].
Fayyazuddin [3401, 2855]. **Fe** [4180, 4180]. **Feats** [2675]. **feature** [1629].
features [4149]. **Featuring** [2901]. **Fedor** [2719]. **feedback**
 [2235, 2039, 3482]. **feet** [3492]. **Feigelson** [3183]. **Felder** [2368]. **Feldman**
 [2295]. **Felice** [2648]. **Feliciano** [3450]. **Fellows** [811]. **Femto** [3516].
Femto-world [3516]. **Femtosecond** [2233, 2924]. **Fereira** [2409]. **Fermi**
 [4003, 3810, 1057, 4272, 1143, 1855, 4304, 161, 174, 182, 190, 200, 2674].
Fermilab [2356]. **Fermion** [1817, 1333]. **Fernández** [2737, 3706]. **Fernando**
 [2648]. **ferrite** [782]. **Ferroelasticity** [1897]. **Ferromagnetic**
 [1459, 2522, 484]. **ferromagnetism** [1578]. **Ferruccio** [3584]. **Ferry** [3451].
Festschrift [1057, 2787]. **Few** [1863, 2034]. **Feynman**
 [2350, 2864, 1833, 1872, 4301, 2583, 4047]. **fi** [1243]. **Fiber** [1191, 2719, 3740].
Fiber-Optic [1191]. **Fibers** [2725]. **fibre** [1820, 4126, 1438, 3745, 3862].
Fibre-optic [3862]. **Fibrous** [544]. **fiction** [2452, 3841]. **Field**
 [2346, 3079, 2290, 2715, 2490, 2801, 2999, 2687, 2524, 3345, 3189, 2587, 2622,
 3125, 2681, 2875, 3316, 2546, 2349, 2422, 557, 2369, 2666, 1844, 1263, 2264,
 2221, 1424, 113, 3539, 3491, 3899, 3911, 4035, 3791, 3914, 4177, 2382, 3585,
 3159, 684, 1212, 403, 2394, 1697, 2366, 3884, 4002, 4044, 4141, 4050, 1700,
 3511, 2263, 3819, 1566, 165, 3879, 3880, 1467, 240, 3225, 3672, 597, 2453, 1483,
 2469, 1213, 3124, 2757, 2824, 2291]. **Field-ion** [557]. **field-theoretical** [3884].
Fields [554, 2524, 2744, 826, 3176, 4018, 4061, 1657, 1791, 1582, 445, 1686,
 4041, 4029, 2519, 1768, 272, 429, 4075, 61, 651, 4116, 1691, 2949, 2525, 2443,
 3217, 3763, 3999, 3669, 3736, 3944]. **Fifth** [3257, 2206, 1504]. **Fifty**
 [2850, 3885]. **Fight** [2980]. **Figuroa** [3370]. **Figures**
 [3083, 4140, 4139, 3083]. **Fijiwara** [2657]. **Filippenko** [3215]. **Filippo**
 [3004, 4146]. **Filling** [204, 210]. **Film** [633, 3028, 313, 1886, 241, 2828]. **Films**
 [279, 1441, 1457, 515, 1666, 1503, 484, 1202, 1511, 3105]. **Filomena** [2566].
filter [1788]. **filters** [62, 2828]. **final** [2765, 1603, 2396, 2300]. **final-year**
 [2765]. **finance** [1965, 2521, 3256, 3768, 3899]. **financial** [3252]. **find**

[3698, 2235]. **Finding** [4037, 2435]. **Fine** [2680, 2753, 393]. **Fine-Tuning** [2753]. **finely** [3695, 4291]. **finely-tuned** [4291]. **Fingerprinting** [1811]. **fingerprints** [2171]. **Finitary** [2634]. **Finite** [4008, 2330, 1467, 2580, 1317]. **Finite-temperature** [1467]. **Finland** [834]. **Finn** [3901]. **Finzi** [4115, 2380]. **fire'** [4027]. **fireworks** [1799, 3956]. **firmament** [1084]. **First** [4261, 4262, 2870, 3875, 4213, 3081, 2980, 3369, 2365, 2748, 3299, 2126, 3239, 2559, 3020, 3909, 1137, 3974, 1217, 1225, 3692, 1026, 2329, 3193, 3797, 3335, 2300, 3428, 2571, 2460, 1642, 4033, 1464, 3680, 4305, 3886, 3135, 2825]. **first-year** [3335]. **Fischer** [3015, 3528]. **Fischer-Cripps** [3528]. **fisherman** [2735]. **Fisk** [2858]. **Fitzpatrick** [3199, 3000, 3734, 3556]. **Five** [3020, 1131, 1254, 4121]. **fix** [2549, 1694]. **fixes** [1624]. **FL** [4259]. **FL/Abingdon** [4259]. **flagellar** [2304]. **flames** [817]. **Flamini** [4031]. **Flaser** [4042]. **Flash** [273]. **Flat** [2668]. **Flat-Screen** [2668]. **Fleisch** [4105, 2944]. **Flewitt** [3809]. **flexible** [4251, 4250]. **Flight** [3641, 517, 1164, 283, 2889]. **flights** [2763]. **Flood** [3281]. **floor** [482, 743, 493]. **floppy** [2079]. **Flow** [2079, 2500, 3402, 1852, 2406, 1737, 2941, 3429, 2513, 3147]. **Flower** [3201]. **flowing** [240, 2213, 736]. **Flows** [2340, 2441, 2934, 1466, 1472, 1328]. **Fluctuating** [3024]. **Fluctuation** [3301, 3639, 2466]. **Fluctuations** [2715, 2466, 3250, 913, 1697, 1387, 4000]. **Fluid** [3025, 3233, 3366, 3213, 2997, 3172, 2500, 2513, 2976, 3741, 595, 4231, 1457, 4190, 3980, 952, 1328, 3867, 4168, 2790, 2333, 3366, 3604, 2934]. **Fluidics** [551]. **Fluids** [2883, 516, 861, 3864, 3716]. **Fluorescence** [2624, 2032, 4051, 3608, 4169, 1028, 2173]. **fluoroscopy** [1316]. **flux** [3957]. **Flying** [3328, 1998]. **Foa** [4081, 3265]. **Foams** [4313, 2041]. **Fock** [3558]. **Focused** [3059, 4199]. **Foden** [2452]. **Foe** [3426]. **foils** [217]. **folding** [2189]. **following** [114]. **Fomin** [4044]. **Foner** [848]. **Fong** [3299]. **food** [1842]. **Force** [4276, 3453, 2834, 113, 3563, 165]. **forces** [993, 718, 1579, 1378, 3360, 579, 3097, 4018, 3962, 3703]. **Ford** [3524]. **forecasting** [572, 952]. **forecasts** [1082]. **forefront** [2303]. **Foreign** [1133, 1529]. **Foreword** [1, 409, 3473]. **Forgan** [4003]. **forger** [2405]. **forgetting** [1943]. **forgotten** [1937]. **Forinash** [2722]. **Form** [2748, 1487, 775]. **Formaggio** [3754]. **format=PB** [4211]. **Formation** [1435, 2476, 2839, 2501, 3443, 3348, 3602, 1622, 1782, 2122, 4146, 1529, 4114, 610, 2068, 3360, 1073, 4316, 3993, 2709, 2467, 4033]. **formative** [3987]. **formed** [530]. **forming** [999, 1008, 3860, 3202]. **Formulation** [2241, 3402, 322, 4218]. **Forterre** [3213]. **Fortov** [2652, 3276]. **Fortson** [4256]. **fortunate** [3695, 4291]. **Fortunato** [3282]. **forward** [249]. **Foster** [3806]. **Fotakis** [2803]. **Foundation** [3473, 2358, 3824, 3160, 42, 3715, 3193]. **Foundational** [2816]. **Foundations** [17, 28, 1437, 2911, 3038, 2617, 875, 3205, 2746, 3210, 3125, 3498, 3559, 3587, 4007, 2455, 2615, 3144, 2937, 3733, 3365, 2984, 4209, 3190, 3754, 3562, 2415, 2722, 2831, 3934]. **Four** [2622, 3550]. **four-dimensional** [3550]. **Fourier** [2543, 1489, 745, 3582]. **Fourier-transform** [745]. **Fourth** [3494, 3162, 3216, 3509, 3597, 144]. **Fox**

[3459, 2667, 3748, 3312]. **fractal** [1357]. **fractality** [3554, 3497]. **Fractals** [4264, 2039, 2416, 3497, 3749, 3896]. **fractional** [2195, 2754, 3922, 3347, 3866]. **Fracture** [444, 587, 2925]. **Fradkin** [3124]. **Frames** [2727]. **framework** [3791]. **Franca** [3659]. **Francesco** [4210, 2833, 3339]. **Francis** [3615, 4257]. **Francisco** [3179]. **Franck** [4005, 3034]. **Franco** [3125, 3119]. **Francois** [3487]. **Francoise** [2527, 2596]. **Frank** [4025, 2612, 3128, 3182, 3208, 2877, 3483, 2952, 2632, 2650, 2255]. **Frankel** [3078, 2868]. **Franklin** [4035, 3607, 3181, 2713]. **Frans** [2534]. **Fraser** [2870, 2460]. **Fraternali** [4146]. **Fraud** [2548]. **Fred** [2796]. **Frederico** [3122]. **Free** [2866, 1967, 1650, 1265, 4217, 566, 2642, 971, 2272, 3746, 2340]. **free-electron** [971, 2272]. **Freegarde** [3107]. **Freeman** [4038, 3412, 3551]. **Freericks** [3672]. **Freezing** [2872, 2287]. **Freidberg** [2293, 3519]. **French** [2474, 442]. **frequencies** [353, 1956]. **Frequency** [2038, 3207, 2920, 191, 395, 2087, 2327]. **Frequentism** [2959]. **Freudenberg** [2945]. **Friction** [624, 2114, 3780, 92, 320, 6, 3939]. **Friday** [50]. **Friedman** [2829]. **Friedrich** [3126]. **Friedwardt** [2928]. **Friend** [3426]. **friendship** [4117]. **Frisch** [2245]. **Frishman** [2622]. **Fritzsch** [2864]. **frogs** [3551]. **Fröhlich** [2368]. **Frolov** [3576, 2914]. **Front** [2548]. **Frontier** [2356, 2471, 3570]. **Frontiers** [2519, 2283, 2704, 3784, 2617]. **fronts** [90]. **Frostig** [2470]. **froth** [2041]. **frustrated** [2283, 3209]. **FSO** [3746]. **Fu** [3629]. **Fuel** [1797]. **Fuels** [2849]. **Fujii** [4150]. **Fujimoto** [3404]. **Fujita** [3501]. **Fukata** [4220]. **Fulde** [3029]. **full** [1882]. **Fullerene** [1738]. **Funaro** [4106]. **Function** [2470, 3832, 3819, 2030, 1793, 2266, 3811, 2265]. **Functional** [2965, 3450, 3853, 4277, 3954, 4242, 4236, 2795, 2301, 3264]. **functions** [4154, 831, 458, 2427, 2632]. **Fundamental** [3470, 2727, 2141, 1767, 3381, 3431, 3305, 2874, 2608, 2669, 3719, 2339, 4191, 632, 2038, 3292, 2087, 3739, 4280, 3801, 3220, 2554, 4229, 3470, 3238, 4220, 3714]. **Fundamentals** [459, 2791, 3626, 3323, 2979, 2333, 3141, 2938, 3706, 4026, 1475, 4158, 3531, 2098, 3657, 3786, 3025, 3796, 3011, 3580, 2341, 2792, 3617, 2567, 2816, 3608, 2464, 3307, 3718, 3893, 3362, 2956, 3069, 2704]. **funded** [3776]. **Furlanetto** [3081]. **furnaces** [224]. **Furst** [3813, 4258]. **Further** [2506]. **Fusion** [2293, 1069, 2050, 2064, 961, 2009, 498, 1114, 1651, 3642, 3824, 2129, 193, 3416, 867, 2027, 719, 853, 1479, 2045, 2231, 1825, 3850, 2646, 3578, 3099, 2646]. **Future** [3241, 567, 1811, 2599, 3333, 3468, 1974, 1674, 4254, 2012, 1903, 639, 891, 2384, 1302, 1183, 654, 4303, 4095, 3904, 3702, 2031, 3876, 2453]. **Fuxi** [3441]. **Fuxiang** [3108, 2987].

G [3766, 3711, 4060, 2883, 3741, 4010, 2297, 3509, 2527, 2596, 4038, 2375, 3716, 2955, 3695, 1040, 3023, 3652, 2626, 3648, 3040, 2294, 2366, 3407, 3771, 3113, 2993, 3074, 3627, 3752, 3787, 4187, 2783, 3381, 2898, 3235, 2343, 2808, 3210, 2299, 2692, 2881, 3486, 3231, 2729, 2903, 3090, 3019, 3749, 3718, 2835, 2924, 3682, 4170, 2854, 2846, 3183, 3613, 2546, 3690, 2419, 4070, 4199, 2620, 3148, 3567, 3674, 3814, 3555, 2530, 2409, 2368, 2423, 2417, 2488, 2265, 2253, 2599, 2373, 2590, 2663, 2721, 3001, 2969, 3684, 3792, 4207, 2319, 2344]. **G.**

[1497]. **Gábor** [3247]. **Gabriel** [3539, 2765]. **Gabrielli** [4160]. **Gagnon** [3731]. **Gaia** [4160, 3781]. **Gail** [3309, 3713]. **Gain** [2820]. **Gaisser** [3667]. **Galactic** [1416, 3266, 3094, 2780, 3479, 2732]. **Galaxies** [3081, 3436, 4324, 4325, 2748, 3348, 1836, 1847, 2305, 1714, 3860, 2552, 3377, 2651, 2552, 2938, 2450, 4146, 3861, 2434]. **Galaxy** [2467, 1059, 4146, 3781]. **Galileo** [1265, 2134, 3931, 2968]. **Galina** [4058]. **Galison** [3945]. **Galitski** [3114]. **Gallager** [3486]. **galleries** [770]. **Galtier** [3671]. **Gamaly** [2924]. **gambling** [2088]. **game** [1744, 3463]. **games** [2088]. **Gamma** [1551, 2597, 2688, 2929, 3039, 2070, 2813, 4107, 3057]. **Gamma-Ray** [2688, 3039, 1551, 2070, 4107, 3057]. **Gamow** [2908]. **Gan** [3441]. **Ganeev** [3298]. **Gangopadhyaya** [2947]. **Gao** [3811, 3633]. **gap** [204, 210, 679]. **Gaponenko** [2563]. **Garcia** [3194, 2314]. **Garcia-Martinez** [3194]. **Garfinkle** [2318, 2318]. **Garg** [2978]. **Garibaldi** [2634]. **garnet** [791]. **garnets** [438]. **Garnett** [3275]. **Garnier** [2517]. **GARP** [789]. **Garrison** [3522]. **Garry** [3099]. **Garston** [168, 264]. **Gary** [2613]. **Gas** [3348, 1204, 1217, 3573, 880, 838, 4146, 550, 2219, 3761]. **gas-phase** [1204]. **Gaseous** [3204, 1981]. **Gases** [2580, 2846, 2807, 1379, 472, 659, 578, 657, 1703, 593, 510, 2436, 4068]. **Gaston** [2528]. **Gastone** [3375]. **Gaudin** [3346]. **gauge** [2193, 1241, 1247, 3518, 4138, 2961, 4085, 1488, 1138, 4075, 1282, 3498, 3509, 3126, 3216]. **gauge-gravity** [2961]. **Gauge/gravity** [3498]. **Gauntlett** [3305]. **Gauss** [239]. **Gaussian** [3515]. **Gautam** [4159]. **Gavrilenko** [2800]. **gb** [4211]. **Gbur** [3682]. **Ge** [4024, 3030, 3681]. **geese** [2772]. **gelatin** [1386]. **gelation** [1430]. **gels** [1386]. **General** [2911, 3150, 3043, 2713, 1631, 3473, 3461, 2938, 2718, 3191, 4120, 4106, 2312, 3318, 3393, 3111, 4057, 2462, 2661, 4211, 2772, 2809, 2989, 3295, 4082, 4241, 2491, 2527, 2851, 2843, 3107, 2439, 2403, 2334, 2411, 2585, 2311, 2356, 2471, 2679, 2495, 2658, 2600, 2565, 2564, 2498, 2857, 2870, 2742, 2707, 2904, 2770, 3056, 3229, 3167, 3195, 3403, 3406, 3462, 3425, 3692, 3955, 4073, 2509, 3349, 3137, 4113, 2977, 3035, 1026, 3442, 2672, 3322, 2673, 2853, 3104, 3488, 4240, 2764, 3102, 3226, 3308, 3444, 2504, 3152, 3139, 3192, 3302, 3502, 4155, 2906, 2392, 3004, 3009, 2684, 1686, 3177, 4156]. **general** [2302, 2542, 2726, 3268, 3219, 3400, 3394, 3478, 3427, 3436, 3456, 3477, 3455, 3459, 2289, 2318, 2402, 2452, 2519, 2548, 2506, 2668, 2675, 2849, 2886, 3131, 3088, 2980, 3120, 3254, 3224, 3262, 3253, 3244, 3196, 3375, 3335, 3405, 3381, 3270, 3312, 3453, 2397, 2612, 3135, 2562, 3121, 3363, 3128, 3018, 3274, 3202, 2714, 3354, 2473, 2430, 2691, 3345, 3415, 3445, 4186, 2371, 2435, 3100, 2367, 2379, 2644, 2493, 2863, 3263, 3283, 3423, 3487, 2299, 2505, 2916, 2881, 2929, 2933, 2864, 3078, 4115, 4117, 2466, 2899, 3428, 2753, 2427, 3084, 3031, 3351, 3234, 3299, 3926, 3271, 2811, 3756, 2694, 2796]. **general** [3006, 2908, 3276, 2877, 2434, 2449, 2778, 3106, 4223, 4218, 3066, 3002, 4036, 2380, 2854, 2520, 2513, 3239, 2695, 2833, 4208, 2717, 2149, 2496, 2608, 2814, 2895, 3197, 3225, 2331, 3441, 4065, 4064, 2532, 2582, 2589, 2588, 2913, 3048, 3151, 3149, 3281, 4086, 4171, 3286, 2982, 2417, 2645, 2558, 3136, 2789, 2321, 4109, 2986, 2599, 2934, 2871, 2957, 2827, 2970, 3134, 3001, 3020, 3085, 3129,

3042, 3215, 3284, 3379, 3443, 4233, 2534, 2456, 4258, 3300, 2917, 2964, 3378, 3355, 2420, 2650, 2610, 2768, 3164, 4256, 2990, 2988, 4059, 4196, 4182, 3508]. **Generalised** [2281, 3165, 2362, 3165]. **generalized** [3562]. **generally** [2343]. **generalreaders** [2968, 2986]. **generated** [423]. **Generating** [3789]. **Generation** [2094, 3298, 2725, 107, 1768, 3174, 3590]. **generator** [73]. **generators** [522]. **genesis** [3224]. **Genetic** [1729, 2604, 3640]. **genetics** [1988]. **genie** [1723]. **genius** [1937, 2896]. **Gennaro** [3282]. **Genne** [2527, 2596]. **Gennes** [2977]. **geochemistry** [3766]. **geodesy** [337]. **Geodynamics** [3588]. **geodynamo** [1787]. **Geoff** [3805]. **Geoffrey** [2529, 2752]. **geography** [4015]. **Geological** [1547, 3705, 4090, 2500]. **geology** [672, 4015]. **geomagnetic** [684]. **Geomagnetism** [3085]. **Geometric** [1278, 3900, 3894, 3189]. **geometrical** [3953, 3470, 3661, 2385]. **geometrisation** [2481]. **Geometry** [2868, 2856, 2540, 2550, 2894, 3264, 3540, 4036]. **Geophysical** [3025, 482, 2976, 4, 102, 879, 3867]. **geophysicists** [2472]. **geophysics** [1766, 3595]. **Georg** [2840, 3398]. **George** [796, 291, 2984, 3637, 2765, 3421, 3049, 3234, 3243, 2908, 2832, 2637, 4030]. **Georgiou** [2803]. **Geosciences** [2472]. **geospace** [3787]. **geosphere** [3597]. **Gerace** [3659]. **Gerald** [3945, 3264]. **Gerard** [3196, 2397, 3379, 3217]. **Gerini** [3490]. **German** [9, 3473, 2018]. **germanium** [1007]. **Geroch** [2499]. **Gerrard** [3488]. **Gerry** [3056]. **Gertsman** [3596]. **Get** [3776]. **Getting** [2420]. **GeV** [437]. **Ghione** [2538]. **Ghirardi** [4154]. **ghost** [2699, 1691]. **GianCarlo** [4154]. **Gianfranco** [3197, 2630]. **Giani** [2881]. **giant** [1515]. **Giardina** [3735, 3269]. **Gibbons** [2599]. **Gibson** [2347]. **Gifted** [3345]. **Gilbert** [2686]. **Giles** [2452]. **Gilles** [2977]. **Gillespie** [3186]. **Gillet** [4095]. **Gilli** [3375, 3375]. **Gingerich** [3651, 2682]. **Ginoux** [3490]. **Ginzburg** [2730, 2324]. **Giordano** [3179]. **Giorgio** [4210, 2954, 3282]. **Giosuè** [2884]. **Giovanni** [2679, 2538, 2526, 3634, 2741]. **girl** [231]. **Girvin** [4001]. **Gitterman** [3280, 2331, 2951]. **Giuggioli** [4219]. **Giuliani** [2375]. **Giulio** [3002]. **Giuseppe** [3377]. **Giustino** [3450]. **Glasgow** [766, 76]. **Glass** [3254, 3202, 558, 999, 1008, 24, 346, 860, 1028, 530]. **Glass-forming** [3202, 999, 1008]. **Glasses** [3002, 991, 4210, 990, 1364, 1106, 558, 559, 3269]. **Glassy** [1893, 564]. **Glazer** [4253, 3599]. **Gliding** [2851]. **global** [1699, 1595]. **Glover** [3054]. **glow** [3662]. **Gluck** [3529]. **Glueballs** [1765]. **Gluon** [2756, 2313, 1189]. **gluons** [3778]. **GmbH** [4022]. **go** [2146, 2549, 1506]. **goals** [3618, 1600]. **God** [2564, 2933, 2986, 3521]. **Gödel** [3220]. **goes** [3774, 2893, 2023]. **Goethe** [3575]. **Goff** [2582]. **going** [1960]. **goings** [1132]. **Goins** [2720]. **Gold** [2851, 2582]. **Goldberg** [3769]. **Goldsmith** [4016]. **golf** [1667]. **Gołkowski** [2967]. **Golowich** [3430]. **Golub** [3400]. **Golubovic** [2740]. **Gómez** [4032, 2387]. **Gómez-Elvira** [2387]. **Gómez-Pedrero** [4032]. **Goncalves** [3628]. **Gonnet** [2528]. **Gonzalez** [2365, 2769, 4170]. **González-Acuña** [4170]. **Gonzalo** [3300, 2964]. **good** [662, 1412, 2520]. **Goodchild** [1092]. **Goodson** [3749]. **Goodstein** [2548, 2922]. **Goody** [3468]. **Gorbunov** [2815]. **Gordon** [2926, 2870, 2460, 3731, 4233, 2154].

Goriely [2760]. **Goringe** [1131]. **Gösta** [2082]. **Got** [3262, 2019]. **Gott** [3650]. **Gottvald** [4030]. **Götze** [3202]. **Gould** [2625]. **Governing** [2874]. **government** [324, 792]. **Govind** [2597, 2820]. **Govindjee** [4178]. **Gradient** [3373]. **gradiometry** [4234]. **Graduate** [3142, 2659, 2485, 2375, 3491, 2425, 2868, 2411, 2311, 2350, 2490, 3738, 4209, 2749, 2842, 2352, 2341, 2342, 2421, 2563, 2301, 2294, 4259, 2366, 2567, 3438, 2597, 2489, 2566, 2609, 2528, 2816, 2706, 2918, 3013, 2396, 3492, 2365, 2817, 2438, 3454, 2497, 2309, 2465, 2464, 2671, 2584, 2455, 2499, 2512, 2681, 2713, 2744, 2875, 2729, 2824, 2821, 2818, 2972, 3045, 3019, 2467, 2472, 2487, 4079, 4169, 4170, 4234, 2580, 2825, 2909, 3183, 2441, 2440, 2500, 2418, 2416, 2419, 2510, 2511, 2833, 2711, 2745, 3064, 2895, 3228, 2377, 2331, 2568, 2859, 2982, 2298, 2401, 2370, 2369, 2503, 2488]. **graduate** [2444, 2683, 2831, 2291, 2470, 2885, 2345, 2704, 4158]. **graduates** [2993, 2355, 2647, 3216, 2903]. **Grady** [3648]. **Grae** [2513]. **Graf** [2368]. **Graham** [2684, 4040, 3016, 596, 3615]. **Graham-Smith** [4040, 3016, 3615]. **Graining** [2351]. **grains** [1571]. **grammar** [117, 231]. **Granada** [169]. **Grand** [2658, 1305, 3021, 3502, 4155, 1957, 3989]. **Grandy** [2994]. **Grant** [2680]. **grants** [29, 99]. **Granular** [3002, 2219, 2059, 3607, 3213]. **Graphene** [2838, 3894, 3265, 2573, 3628, 3501, 4081, 3358, 3819, 2271, 3101, 4130, 3279, 2902, 3941]. **Graphene-Based** [3265, 4081]. **Graphene-Related** [3894]. **graphic** [4258]. **Graphs** [2808, 3789]. **gratings** [471]. **gravitas** [2104]. **Gravitation** [2911, 3126, 1013, 4293, 4294, 4295, 2611, 1906, 469, 1334, 3508, 1219, 2693, 2617, 3437, 3846, 3153]. **Gravitational** [646, 977, 645, 2250, 1760, 1550, 1415, 2023, 3546, 998, 3291, 1356, 3858, 4101, 1812, 3893, 2069, 4064, 3792, 3916, 3709, 3854, 2249]. **Gravity** [2481, 4276, 3093, 3453, 2340, 2716, 3155, 3191, 243, 3774, 2193, 1250, 430, 819, 1777, 2731, 1707, 2961, 3954, 4085, 4108, 4141, 4230, 843, 978, 1262, 597, 2454, 3802, 3778, 2425, 2939, 2984, 3190, 2431, 2524, 2716, 2714, 2298, 4043, 3477, 3757, 4234, 4064, 3498, 3948]. **gravity-induced** [597]. **Gray** [2883, 2468, 3577]. **Greanya** [3496]. **Great** [2778, 2558, 614, 662, 4222, 3751]. **greatest** [1916]. **Greco** [4138]. **Greek** [3763, 2887]. **Green** [3553, 3819, 2647, 3691, 3314, 458]. **Greenberg** [3656]. **greenhouse** [1450, 1703]. **Greenstein** [3243]. **Greenwich** [793]. **Greer** [2463]. **Gregersen** [3425, 3483]. **Gregor** [2652, 3276]. **Gregory** [2790, 2623]. **Grémaud** [2846]. **grenades** [2128]. **Gribbin** [2434]. **Gribov** [2822]. **Gribov-80** [2822]. **Grier** [4054]. **Griffin** [2580]. **Griffiths** [4066, 2718, 1459, 3121]. **Grigory** [3233]. **Grijs** [2780]. **Grimmett** [2808]. **Gripaios** [4211]. **Grissom** [2867]. **Gronchi** [2526]. **Gross** [3133]. **Grossmann** [3924]. **Ground** [844, 604, 3027]. **Ground-based** [604]. **Group** [4269, 3930, 4257, 3424, 3310, 2758, 2398, 3758, 3954, 37, 3073, 3625, 4056, 3960, 3959, 4167, 2631]. **Group-Theoretical** [2398]. **Groups** [3382, 446, 1575, 4008, 3409]. **Groves** [3699]. **Growth** [4283, 4288, 1562, 1430, 141, 584, 848, 4241, 1622, 1782, 3626, 1503, 1341, 346, 2982]. **growth-point** [584]. **Grynberg** [2686]. **Grzegorzcyk** [2394]. **Gubbels** [2525]. **Gubbins** [2883]. **Guéry** [2921]. **Guéry-Odelin** [2921]. **Guest**

[1232, 2444]. **Guichun** [3649]. **Guide** [2509, 3150, 3105, 2944, 3258, 2635, 4289, 2680, 2807, 2957, 2610, 3164, 3806, 3776, 4120, 4078, 4060, 3868, 3946, 3830, 3458, 2851, 2843, 3955, 4123, 1059, 1510, 1535, 2337, 3961, 2779, 1229, 3793, 3343, 3496, 2302, 3478, 3708, 3577, 3936, 4105, 4187, 3018, 3415, 2299, 2899, 3756, 4218, 2624, 2834, 2880, 3991, 1015, 4070, 3138, 3870, 2987, 3397, 4258, 1588, 2420, 161, 174, 182, 190, 200, 2989, 3076, 3192, 2299, 3127, 2546, 2848, 3804, 3979, 4142, 3959]. **guidebook** [3478, 3724]. **Guided** [2567, 3138, 3929]. **Guided-Wave** [2567]. **Guiding** [2341]. **Guido** [3935]. **Guillaume** [3788]. **Guitar** [2474]. **Gulbenkian** [42]. **Gun** [3262]. **Gunapala** [2775]. **Gunn** [4098]. **Gunnar** [3070]. **Guo** [3649]. **Guozhen** [4250]. **Gupta** [3540]. **Gurfil** [3685]. **Gutfreund** [3473]. **Guyon** [3500]. **Guzik** [3506]. **Gyaneshwar** [4259]. **gyromagnetic** [115]. **Gyroscopes** [340].

H [3806, 2463, 2414, 1459, 1191, 2296, 440, 2828, 3203, 2830, 2858, 2727, 3261, 3412, 1040, 2257, 1083, 2708, 2838, 2988, 3524, 3652, 4072, 4222, 3407, 2601, 4024, 3113, 3553, 3436, 3459, 3705, 3816, 3804, 4042, 4003, 2528, 2372, 2898, 3592, 2539, 2525, 3187, 3717, 2355, 2950, 3246, 2940, 3432, 3049, 3234, 2729, 2818, 2903, 2664, 2295, 2332, 3209, 3094, 3634, 4053, 2393, 2436, 2391, 2782, 3745, 2442, 2530, 2952, 2409, 2451, 3178, 2373, 2663, 2484, 3484, 3675, 3722, 2637, 3761, 2344, 44, 1642]. **H.-S** [2838]. **H.M.S.O** [834]. **Habitability** [2476, 3897, 3238]. **Habitable** [4311, 3134, 3869]. **Habitat** [3958]. **Hackensack** [4132, 4167]. **Hadron** [2471, 3403, 3442, 2542, 3173, 2183, 3465, 3731, 3594, 1488]. **Hadronic** [2366]. **hadrons** [722, 2229]. **Hagai** [4217, 3266]. **Hagar** [3431]. **Haija** [3315]. **Haken** [3095]. **Hale** [3435]. **half** [1137, 3828, 3797, 2278]. **half-century** [1137, 3828]. **Halide** [4246, 1271]. **halides** [991]. **Hall** [2437, 2422, 1728, 759]. **Hamiltonian** [2950, 3932]. **Hamiltonians** [3527]. **Hamm** [2696]. **Hammond** [3494]. **Han** [4068, 3318, 3609, 3108, 2987]. **Hancock** [3653]. **Handbook** [3091, 3083, 3407, 2372, 3312, 2632, 4078, 4060, 3395, 4202, 2527, 2830, 3748, 3035, 3353, 2790, 2494, 2791, 2841, 4187, 2724, 3050, 4165, 2623, 2505, 3208, 3768, 2671, 2973, 3246, 3367, 2518, 3232, 3486, 3653, 3231, 4201, 2837, 2834, 2876, 4169, 4170, 2511, 2725, 2568, 3440, 3481, 3505, 2492, 2388, 2590, 3484, 2769, 3035, 3207, 3440, 3771, 3910, 3614, 3803, 2830, 2673, 3353, 3889, 2841, 3626, 3823, 3208, 2671, 2973, 3246, 3145, 31, 3607, 2627, 3481, 2388, 2590, 3484, 2919, 3849]. **handbook/reference** [2388]. **handbook/textbook** [2568]. **Handed** [2300]. **Handfield** [2957]. **handle** [1378]. **Hands** [2899]. **Hands-On** [2899]. **Hanel** [4017]. **Hanoch** [3473]. **Hans** [3241, 2865, 3309, 3437, 3232, 3272, 3611, 3153, 4185]. **Hans-Peter** [3309]. **Hao** [3681, 3996]. **Haphazard** [1180]. **Happer** [2783]. **Harald** [2995, 2864, 2510]. **hard** [2962]. **Hardback** [4138, 4052, 4068, 3459, 4117, 4158, 4121, 4253, 4174, 4078, 4060, 4106, 4010, 4057, 4062, 4110, 4137, 4225, 4082, 4241, 4217, 4232, 4135, 4140, 4038, 4000, 4032, 4009, 4056, 4055, 4035, 4231, 4005, 4045, 4018, 4028, 4123, 4069, 4177,

4221, 4100, 4061, 2057, 4240, 3102, 4030, 4248, 4251, 4173, 4026, 4072, 4178, 4198, 2191, 4163, 4252, 4006, 4021, 4081, 4156, 4130, 4162, 4222, 4259, 4002, 4001, 4043, 4041, 3999, 4044, 4008, 4108, 4119, 4098, 4141, 4242, 4250, 4031, 4037, 4047, 3993, 4040, 3994, 4048, 3957, 4042, 4003, 4015, 4091, 4146, 3998, 4165, 3421, 4107, 4157, 4007, 4017]. **hardback** [4114, 4159, 4161, 4099, 4093, 4200, 4164, 4019, 4131, 4197, 4201, 4223, 4244, 4249, 4020, 4036, 4083, 4080, 3996, 3995, 4071, 4129, 4255, 4208, 4188, 4219, 4066, 4077, 4166, 4199, 4260, 3337, 4096, 4094, 4064, 4063, 4092, 4147, 4109, 4004, 4039, 3956, 4033, 3997, 4058, 4116, 4067, 4172, 4136, 4215, 4233, 2041, 4256]. **hardcover** [4120, 4210, 4154, 4027, 4029, 3423, 4234, 4023, 4207, 4168]. **hardening** [873]. **hardness** [873]. **Hardy** [2373]. **Hargittai** [3724, 2600, 2849, 3724]. **Hari** [3526]. **Harmonic** [3298]. **harmony** [2206]. **Harold** [2335, 3597, 3598]. **Harper** [3093]. **Harrie** [1205]. **Harris** [3094, 2449]. **Harrison** [4132, 1100]. **Harry** [2613]. **Hartle** [4196]. **Hartnett** [4150]. **Hartog** [3745]. **harvesting** [2733]. **Harvey** [2625, 2974]. **Harwell** [159, 206, 1029, 241]. **Harwit** [4143, 4065]. **Hassani** [2552]. **Hatsuda** [2313]. **Haupt** [3333]. **Hauptman** [2662]. **Haur** [2773]. **Haus** [3796, 2717]. **Haven** [3306]. **Havlicek** [2370]. **Hawkes** [4224]. **Hawking** [4117, 2599, 2731, 2249]. **Hayward** [3273]. **Haywood** [2758]. **hazard** [1067, 850]. **hazards** [1068]. **hbk** [4156, 4203]. **Heacox** [3620]. **Healey** [3759]. **health** [1596]. **Hear** [3042, 3042]. **hearing** [421, 1627]. **Hearnshaw** [2504]. **Heart** [3206, 2083, 2086]. **Heat** [677, 3068, 1342, 3250, 1049, 3760, 4111]. **Heather** [4201]. **heats** [935]. **Heaven** [2742]. **heavens** [3478]. **Heavy** [1333, 1069, 1130, 1069]. **Heavy-fermion** [1333]. **Hecht** [3036]. **Héctor** [4170]. **Heever** [2663]. **Hehl** [3126]. **Heidarzadeh** [2353]. **heights** [604]. **Heikkilä** [3301]. **Heilbron** [4073, 2968]. **Heinemann** [3246]. **Heinosaari** [2935]. **Heinz** [2840]. **Heisenberg** [3497, 2864, 2018, 2677]. **held** [834]. **Helge** [2658, 3502, 3048]. **Heliophysics** [2993, 3891, 2721]. **Helios** [1029]. **Helium** [462, 595, 1332, 2423, 1680, 2128, 2573, 723, 1172, 724, 1532, 2277]. **helium-3** [723]. **Heller** [3042]. **Helliwell** [4129]. **Helmut** [2522, 3510]. **Helrich** [2502]. **Hemley** [2472]. **Henchman** [3472]. **Hendry** [2839]. **Heng** [3733]. **Henley** [3171, 2314]. **Henneaux** [3133]. **Henneberger** [2421, 2946]. **Henri** [2861, 3490]. **Henrik** [3425]. **Henry** [3078]. **Hepp** [2368]. **her** [2261, 1235, 2262]. **Herbert** [1092]. **Here** [2430, 1506, 2019]. **Heritage** [2803, 2211, 4065, 2590]. **Hermann** [3095, 4158]. **Hermitian** [2759]. **Hernandez** [3370]. **Hernandez-Figueroa** [3370]. **Heroic** [4298, 3857]. **Herold** [2991]. **Herrmann** [4185, 2754, 3347]. **Herschel** [3192]. **Heterogeneities** [3002]. **heterogeneous** [999, 1008]. **Heusler** [536]. **hexagonal** [782]. **Hexatic** [1441]. **Hey** [3509, 3216]. **Hidden** [3254, 3226, 3386]. **Hide** [3163]. **Hideaki** [2657]. **Hideo** [2472]. **Higgs** [3318, 3403, 3609, 3128, 3731, 3197, 3225, 3129, 2810, 3390, 2183, 3465, 2986]. **High** [145, 171, 3350, 2926, 3073, 652, 416, 554, 2662, 1580, 1176, 1769, 2999, 3321, 3824, 2538, 434, 1560, 1494, 352, 429, 1120, 2415, 4223, 3594, 3593, 1146, 1213, 2220, 375, 1007, 523, 1501, 680, 191, 476, 1012, 517, 2217, 3570, 3784,

477, 1543, 208, 1020, 707, 463, 764, 3861, 657, 960, 4117, 1076, 1203, 160, 854, 1716, 833, 1075, 137, 142, 1363, 2831, 2447, 3298, 2597, 2738, 3012].

High-Energy [2415, 3570, 1716]. **High-energy-density** [3824]. **high-level** [1501]. **high-NOON** [2217]. **High-order** [3298]. **High-Pressure** [4223, 3012]. **High-Speed** [2538, 652, 1176, 1012]. **High-temperature** [1769, 1007, 1543, 208]. **high-voltage** [476]. **higher** [4029, 2658, 3502]. **highest** [2000]. **highly** [980, 1428]. **Hilairy** [4150]. **Hilbert** [2357, 2370, 2492]. **Hill** [89, 277, 3660, 2691]. **Hillery** [3368]. **Hinode** [3886]. **Hirakata** [2925]. **Hirishi** [2657]. **Hiroaki** [4173]. **Hirose** [3439]. **Hiroyuki** [3544, 2925]. **Hirschfelder** [1092]. **Hirshfeld** [2953]. **Hisashi** [3404]. **historian** [4113]. **historians** [2504, 2353]. **Historical** [1149, 3520, 2356, 1194, 1242, 3381, 3475]. **histories** [3654]. **History** [4261, 4262, 2335, 1880, 4267, 2329, 3168, 4323, 2887, 2668, 2353, 2430, 2367, 2694, 2827, 2456, 3300, 3468, 1778, 1865, 3602, 468, 1169, 328, 1875, 3748, 3877, 1952, 1423, 3226, 3308, 3420, 1799, 21, 32, 3856, 3987, 1773, 1143, 2577, 4091, 2548, 2506, 2849, 3335, 3312, 1834, 2437, 2167, 2435, 3907, 4200, 3654, 3473, 3612, 3664, 1616, 3985, 455, 3802, 3997, 2117, 2160, 2504, 3524, 3441]. **Hitler** [3253]. **hobbyists** [2387]. **Hoboken** [4120, 4235, 4250, 3995]. **Hobson** [3212, 3193, 3739]. **Hoddeson** [2356]. **Hodge** [2672]. **Hofer** [3247]. **Hofer-Szabó** [3247]. **Hoffman** [3653]. **Hofmann** [2948]. **Hofmeister** [4111]. **Hogan** [2354, 3191]. **Hole** [3383, 1309, 2562, 2914, 710, 2252, 3576, 2251, 1308, 953, 949]. **Hole-mediated** [1309]. **Holes** [2857, 3040, 2597, 2716, 3273, 2651, 2934, 3411, 2013, 2078, 2479, 3784, 3477, 1681, 432, 1264, 4208, 3963, 1512, 2916, 3191, 4033]. **Holgate** [2537]. **Holger** [2974]. **Holly** [739]. **Holmes** [2869]. **Hologram** [928]. **holographic** [3329, 3915]. **Holography** [422, 525, 3418, 2429, 3232, 2852]. **Holstein** [3754, 3430]. **Holthuijsen** [2484]. **Holton** [3945]. **home** [1596]. **Homogeneous** [3376]. **Honegger** [3558]. **Honig** [4189]. **Honor** [3308]. **Honour** [3412, 1057]. **Hoof** [3379, 2397, 3379]. **Hoover** [3023, 3023]. **hope** [983]. **hopes** [1560]. **Horace** [1343]. **Horacio** [3123, 3132]. **Horatius** [4002]. **Horing** [3819]. **Horizons** [3273]. **hormone** [600]. **Horton** [3688]. **Horwitz** [3538, 2454]. **Hosepipes** [1832]. **Hot** [1749, 2190, 1285, 2441, 4102, 4049]. **Hotakainen** [2321]. **Houches** [3772, 2760, 3836, 2846]. **Houle** [2333]. **House** [4079, 16]. **Houssa** [3666]. **Howell** [2488, 4136]. **Hsiung** [3720]. **Hsu** [2777]. **https** [4211, 4206, 4186, 4201]. **Hu** [4141]. **Huang** [3635, 2475]. **Huard** [3374]. **Hubble** [4041, 1874, 1714, 1482]. **Hubeny** [3067]. **Hubert** [3208]. **Huggett** [2581]. **Hugh** [2508]. **Hughes** [3277]. **Hugo** [3370, 3240]. **Hulin** [3500]. **Human** [2350, 4271, 3084, 2943, 2722, 2710, 3520, 1745, 3456, 3690, 4302, 1849, 3802]. **humanity** [3904]. **Humboldt** [4]. **Humphreys** [3203]. **Humphry** [331]. **Hundred** [3314]. **Hungarian** [2363]. **Hunt** [2564, 2707]. **Huss** [2613]. **Hutzler** [2041, 3248]. **Hwa** [2756]. **Hwang** [2927, 3999]. **Hybrid** [3545, 3161, 3742]. **hybrids** [1765]. **hydras** [2163]. **Hydraulics** [278].

Hydroclimatology [2607]. **hydrodynamics** [3586, 3278, 3500]. **Hydrogen** [3375, 123, 1105, 1349, 866, 4245, 3767]. **Hydrogenic** [2087, 2953].
Hydrostatic [614]. **Hyperbolic** [2653]. **hyperfine** [826]. **Hypernuclei** [1288]. **Hypersensitizing** [892]. **Hyperspace** [3923]. **hysteresis** [6]. **Hÿtch** [4224].
IA [3626, 3075]. **IAC** [2453]. **Ian** [2462, 3509, 2564, 4028, 3205, 3478, 2566, 3216, 2871, 3021, 1507]. **IAU** [3203, 2727, 2737, 2898, 2467, 2780, 3039, 3067, 3267, 3348]. **Iayers** [1257]. **IB** [3626]. **IBIS** [283]. **Ice** [2906, 1090]. **Icons** [4124]. **Icy** [2737]. **ideal** [3573, 3519]. **ideas** [4211, 363, 3856]. **ideas-particle-physics-4th-edition** [4211]. **idiosyncracies** [2082]. **Idrus** [3504]. **Igel** [3717]. **Ignition** [2928].
ignorance [387, 3514, 1393]. **II** [2926, 4232, 3658, 2744, 61, 175, 1782, 1225, 366, 1247, 1053, 1427, 355, 370, 303, 153, 1008, 245, 369, 532, 401, 210, 637, 559, 1748, 699, 1282, 2596, 3322].
III [380, 653, 133, 2508]. **Ikeda** [2657]. **Ikesue** [3319]. **Iliopoulos** [3736, 3801]. **Illuminate** [2742]. **illuminating** [1799, 3594]. **Illumination** [3425]. **Illusion** [2904, 2017, 1743]. **illustrate** [414]. **Illustrated** [2372, 2635, 2705, 2473, 3768, 3849]. **Illustrating** [3044]. **Illy** [3006]. **Image** [815, 2884, 791, 4165, 673, 3351]. **Imagery** [2456]. **Images** [2456, 615, 3637].
Imagination [2679]. **Imaging** [582, 4319, 2842, 2684, 3232, 4224, 2888, 2938, 2470, 1226, 3559, 3550, 208, 1721, 3478, 1316, 839, 3601, 3432, 3874, 3882, 3697, 2006, 3795, 1973, 3201, 3457, 2464, 2973, 3145, 3630, 3582, 3673, 3204, 4020, 3362, 3870]. **Imke** [3238]. **Impact** [2527, 2596, 2672, 2898, 1704, 4031, 3970, 577, 3676].
impacts [3891, 3274, 2722, 3520, 834]. **imperfect** [908]. **Imperfections** [4311, 3869]. **Imperial** [54, 96, 180]. **implantation** [518, 532, 1296].
implementation [4120]. **Implications** [2126, 2181, 1472, 102]. **Imponente** [2741]. **importance** [3333, 778]. **important** [537]. **impressions** [36].
imprint [2896]. **Improper** [2766]. **improve** [2174]. **improved** [1516].
Improving [2670, 2552]. **impurities** [464]. **in-between** [735]. **Inan** [2967].
inanimate [3221]. **inclusions** [2224]. **Incoherent** [729]. **Incompressible** [3429]. **Index** [2394, 2074, 2075, 2151, 2152]. **indirect** [3547].
Indistinguishable [2148]. **Induced** [999, 1008, 1518, 1541, 3728, 725, 934, 597, 1244, 2833, 3646]. **induction** [105, 165, 247]. **Industries** [136]. **Industry** [2804, 1119, 2889]. **Inelastic** [603, 1069, 704]. **Inert** [550, 593]. **inertia** [1265]. **Inertial** [2928, 3824, 340].
Infrared [1587]. **Inference** [3259, 3755, 2208, 2215]. **infinite** [4210]. **Infinity** [2764, 3128]. **Inflation** [1628, 2539, 2815, 2126, 3583]. **inflationary** [2156].
Informatics [2945, 2945]. **Information** [3111, 3180, 3425, 2945, 2636, 4320, 1850, 3160, 3210, 2371, 1271, 2985, 2846, 3380, 2536, 2281, 2078, 3506, 1083, 3518, 3975, 2107, 3548, 2455, 1943, 1969, 2698, 2055, 4216, 2147, 3684, 2296, 2297, 2495, 2692, 2455, 2656, 3425, 2400].
Information-based [3160]. **informed** [2450]. **infra** [495, 204, 210, 135, 258].

infra-red [495, 204, 210, 135, 258]. **Infrared** [2696, 2775, 806, 3151, 2220, 937, 582, 1587, 791, 989, 4085, 602, 2272, 3697, 447, 2006]. **Inguscio** [3245]. **inhibition** [2102]. **Initial** [1207]. **injection** [3482]. **inner** [4054, 274, 3722]. **Innocence** [4305, 3875]. **Innovations** [2804]. **Inquiries** [4263, 3448]. **Inquiry** [3243]. **insider** [3776, 3804]. **insight** [4149]. **insights** [4110, 2216, 1653, 2223]. **insoluble** [850]. **inspirational** [3719]. **inspired** [2193, 3496]. **instabilities** [1391]. **instability** [1009]. **Instantaneous** [817]. **Instantons** [2544, 2999]. **Institute** [145, 554, 4321, 4240, 605, 4201, 2322, 4147, 27, 97, 143, 158, 40, 308, 4124, 499, 76]. **Institution** [186, 253, 397, 53, 394]. **Instrument** [1343]. **Instrumentation** [3407, 171]. **instruments** [1887, 31, 4244]. **insulating** [790]. **insulation** [303]. **Insulator** [3230, 697, 2209]. **Insulators** [3277, 1289]. **insulin** [600]. **Integrable** [3311, 2444, 3591]. **Integral** [2291, 2995]. **Integrals** [3123, 1402, 3527]. **Integrated** [1193]. **Integration** [2301, 2998, 2932]. **integrity** [950]. **Intellect** [4308, 2191, 2191]. **intelligence** [4227, 3195]. **Intelligent** [2988]. **Intelligible** [3300]. **Intense** [2949, 1657, 1198]. **intensifiers** [815]. **intensity** [2220, 1791, 2482]. **Interacting** [3067, 3598, 3833]. **Interaction** [3122, 2954, 2048, 790, 895, 3712, 3225]. **Interactions** [2366, 2703, 2924, 680, 1001, 1515, 626, 1328, 3937, 2974, 3744, 2355]. **Interactive** [3343]. **interdisciplinary** [3454, 4219]. **interest** [4120, 4106, 3318, 3111, 4057, 2809, 2989, 3295, 2851, 2843, 2585, 2471, 2679, 2658, 2600, 2564, 2498, 2857, 2742, 2707, 2770, 3056, 3167, 3195, 3403, 3406, 3462, 4073, 3349, 4113, 2988, 3139, 3192, 3302, 4155, 2906, 3009, 2684, 3177, 4156, 2726, 3219, 3400, 3456, 3477, 3455, 3459, 3131, 3120, 3254, 3253, 3196, 3375, 3405, 3270, 3135, 3121, 3363, 3128, 3018, 2691, 3415, 3445, 2435, 3100, 3423, 2916, 2881, 2929, 2933, 2864, 3078, 4115, 2899, 3428, 2753, 3234, 2694, 2796, 3006, 2908, 2877, 447, 2778, 3066, 3002, 2513, 3239, 4208, 2717, 2496, 2608, 2814, 3197, 3225, 3461, 2532, 3048, 3151]. **interest** [4086, 4171, 3286, 2982, 2645, 2558, 2789, 4109, 2986, 2970, 3001, 3020, 3042, 3215, 3284, 3379, 4258, 3300, 2917, 2964, 3378, 3355, 2650, 2610, 2768, 3164, 4256, 2990, 2521]. **interested** [2294, 3206, 2466, 2426, 2413, 2450]. **Interesting** [1783]. **interface** [3706, 1898]. **interfaces** [2216, 2771]. **interfacial** [3962]. **Interference** [103, 62]. **interferometer** [260, 657]. **interferometric** [1303, 3893, 1262]. **interferometry** [3464, 1947, 3510, 4230, 3697, 3863, 1999]. **interior** [59]. **Interiors** [1083, 1074, 3422]. **Intermediate** [2561]. **intermetallic** [1333]. **Intermetallics** [1980]. **Intermolecular** [3097, 4110, 3703]. **Internal** [826, 666, 653]. **International** [78, 266, 4254, 3116, 4191, 3289, 719, 3276, 4218, 3063, 137, 65, 4220, 3020, 3039, 3267, 3593, 834, 3711, 70, 464, 366, 163, 1019, 2050, 2064, 4, 157, 338, 415, 560, 156, 144, 3633]. **internet** [4248, 1951, 2732]. **Interplay** [2462, 2343, 3787]. **Interpretation** [1093, 3086, 1145, 3469, 559, 322, 3469, 4069, 2241]. **interpreter** [3614]. **Interpreting** [2983]. **intersecting** [680]. **Interstellar** [4238, 4307, 2469, 4315, 1406, 123, 3860, 3993, 1629, 3445]. **intra** [4110].

intra- [4110]. **Intriguing** [2491, 2481]. **Introducing** [368, 409, 382].
Introduction [3393, 2788, 2786, 2138, 2573, 2754, 2189, 2238, 2621, 3297,
3436, 2489, 4324, 2402, 4325, 2844, 2514, 3303, 2817, 3358, 2642, 3415, 3140,
3449, 3125, 2855, 3000, 2784, 2595, 2761, 3347, 3132, 2556, 2418, 2960, 2310,
2531, 3285, 2723, 2758, 2618, 4310, 4088, 3178, 2373, 2646, 3397, 2469, 3101,
4268, 4078, 2102, 2569, 2304, 561, 3974, 4139, 4000, 2403, 1241, 1247, 2480,
4118, 3687, 2812, 3628, 3329, 326, 2730, 3856, 2961, 3762, 1413, 2394, 3686,
3925, 3553, 3643, 4040, 2176, 2605, 2333, 4112, 3819, 3926, 2482, 2148, 878,
3905, 2332, 4197, 4218, 3922, 4036, 4169, 1517, 3489]. **introduction**
[3693, 4188, 4245, 3330, 4260, 3745, 3888, 3940, 2147, 1296, 3221, 3782, 3847,
3775, 3850, 2345, 4153, 3199, 2346, 2614, 2868, 2865, 3123, 2684, 3120, 3018,
3263, 3216, 3090, 2434, 2390, 2947, 2905, 2426, 2650, 2990, 3757, 3622, 3651,
3790, 3805, 4016, 3509, 4045, 4073, 3599, 3627, 4099, 3543, 2413, 3556, 2686,
4062, 3180, 3785, 3107, 2715, 2425, 2955, 3723, 4177, 2995, 2636, 2823, 3507,
2842, 3275, 3591, 2937, 2563, 2533, 2655, 4081, 3317, 3576, 3671, 3993, 4146,
3592, 3382, 3921, 4017, 2680, 2309, 2587, 2914, 2815, 2837, 2997, 3109, 2976,
3471, 4066, 3014, 4199, 4096, 2377]. **Introduction**
[3265, 3185, 2665, 2475, 2507, 3829, 3737, 2752, 2852, 3955, 3862, 3879].
introduction/reference [2394, 2332]. **Introductory**
[2801, 4266, 2382, 3328, 2773, 3110, 2637, 2699, 4232, 2184, 2320, 2763, 3738,
2302, 3994, 2318, 2054, 2268, 3768, 2267, 4201, 3991, 2391, 2361, 531, 2420,
2740, 3493, 3917, 4022, 4034]. **intuitive** [4045, 1678]. **invaders** [1133].
invariance [405]. **invariant** [3560, 1728]. **invariants** [405]. **invented** [2735].
Invention [2289, 2986]. **Inventions** [3006]. **Inventor** [3149]. **inventory**
[3907]. **inverse** [1334, 4053, 1190]. **inverse-square** [1190]. **inversion**
[1621, 878, 1257]. **Inverted** [2637]. **investigation** [372]. **Investigations**
[2137, 499, 2515, 1277]. **investments** [3252]. **invincible** [1393]. **Invisible**
[2679, 3623]. **involving** [980, 653]. **Ioan** [3554]. **Iodine** [917, 4110]. **Ioffe**
[2609, 3800]. **Ion** [1240, 1069, 518, 532, 3823, 768, 3059, 3294, 1296, 1458,
3161, 1385, 1130, 2640, 2177, 623, 637, 653, 926, 2641, 557]. **ion-atom** [1458].
ion-irradiated [2177]. **Ionic** [1406, 1841, 1027, 903]. **ionised** [1428].
ionising [1444]. **Ionization** [303, 737]. **ionizing** [209]. **ionosphere**
[549, 644, 691, 729, 685, 833, 266]. **Ionospheric** [783, 574, 403]. **ions**
[4118, 1069, 1767, 4212, 637, 1107, 4245, 3467, 1256, 1069, 1069, 3026]. **IOP**
[4241, 4202, 4232, 4140, 4221, 4209, 4251, 4173, 4204, 4222, 4150, 4161, 4201,
4244, 4249, 4169, 4170, 4234, 4144, 4188, 4260, 4253, 4142, 4174, 4136, 4207,
4233, 4139]. **Ira** [3302]. **Iraj** [3504]. **iron** [791, 295, 4180]. **irradiated** [2177].
irradiation [1372]. **irregularities** [783]. **Irudayaraj** [3062]. **Irving** [3565].
Isaac [3878, 2708, 3270, 2437, 1272, 3093]. **Isaev** [4008]. **ISBN**
[4132, 4120, 4078, 4060, 4106, 4149, 4010, 4057, 4016, 4062, 4110, 4211, 4137,
4225, 2893, 2772, 4082, 4241, 4217, 4202, 4232, 4135, 4140, 4139, 4254, 4038,
4000, 4032, 4009, 4056, 4055, 4210, 4206, 4035, 4231, 3425, 4005, 3945, 4045,
4018, 4028, 4073, 4123, 4069, 4154, 4182, 4177, 4184, 4191, 4221, 2082, 4027,
4100, 4113, 4118, 4061, 2057, 4143, 4209, 4183, 4240, 2329, 3102, 4030, 4084,

4155, 4248, 4251, 4138, 4173, 4026, 4072, 4052, 4178, 4190, 4148, 4198, 2191, 4163, 4252, 4006, 4021, 4081, 4156, 4204, 4130, 4203, 4162, 4235, 4222, 4257, 4259, 4025, 4002, 4001, 4046, 4043]. **ISBN** [4041, 3999, 4029, 4044, 4008, 4024, 4085, 4108, 4068, 4119, 4098, 4196, 4141, 4242, 4250, 3459, 4031, 4037, 4047, 3993, 4040, 3994, 4048, 3957, 4042, 4003, 4015, 4091, 4105, 4146, 4187, 3998, 4165, 3421, 4097, 4107, 4157, 4150, 4186, 2644, 3423, 4007, 4017, 3078, 4112, 4114, 4115, 4117, 4159, 4161, 4158, 4160, 4099, 4093, 4200, 4151, 4205, 4224, 4164, 4019, 4121, 4131, 4122, 4197, 4201, 4223, 4244, 4218, 4249, 4020, 4022, 4036, 4054, 4083, 4053, 4080, 4079, 4169, 4170, 4189, 4234, 4144, 3996, 3995, 4071, 4129, 4255, 4208, 4188, 4219, 4070, 4066, 4077, 4166, 4167, 4199, 4260]. **ISBN** [3337, 4095, 4096, 4094, 4253, 4065, 4064, 4063, 4220, 4086, 4092, 4142, 4147, 4171, 4174, 4216, 1562, 4034, 4059, 4109, 4004, 4039, 3956, 4033, 3997, 4023, 4058, 4116, 4067, 4172, 4136, 4207, 4176, 4215, 4233, 4145, 4175, 1844, 4258, 4111, 4185, 4168, 2041, 4243, 4256]. **ISBN-10** [4170, 4234]. **ISBN-13** [4170, 4234, 4168]. **Isenberg** [3508]. **Ishtiaq** [3401]. **Islamic** [3326]. **ISN** [2701]. **Isochronous** [3339]. **Isotope** [172, 462, 595, 1496]. **Isotropic** [1121, 3376]. **Issue** [2238]. **issues** [2129]. **Istvan** [2600, 2849, 3724]. **ITER** [3688]. **Itoh** [2818, 2818]. **Iung** [2966]. **IV** [2945]. **Ivan** [3506, 2878, 2695, 4216, 3189]. **Ivancevic** [2350, 2350]. **Ivezić** [3577]. **Ivo** [3507, 3059]. **ix** [2082]. **Iyetomi** [2657].

J [3776, 2312, 3211, 3763, 4062, 2781, 2786, 3721, 1191, 3509, 2374, 4241, 2491, 3115, 3506, 3796, 2290, 3698, 3699, 2949, 3696, 4038, 2830, 2439, 3710, 3656, 3644, 2311, 3579, 3748, 4045, 4073, 2293, 4100, 2995, 1131, 2708, 3179, 2329, 3102, 2779, 2261, 2504, 2766, 2341, 2342, 2494, 2999, 3650, 3047, 3762, 4052, 2777, 3616, 3809, 4021, 3054, 3407, 4046, 2737, 3057, 2993, 3074, 3552, 3436, 3668, 3708, 3577, 3627, 3754, 3801, 3797, 3994, 4048, 2566, 2816, 2918, 2387, 3551, 3050, 2898, 3121, 2343, 3345, 4150, 2371, 2435, 2354, 3187, 3597, 4007, 2505, 2950, 4112, 4159, 2263, 2269, 2753]. **J** [2395, 3653, 4200, 4151, 4205, 3819, 3712, 3218, 2713, 2985, 3238, 4019, 56, 2267, 4121, 2295, 2434, 2472, 3521, 3682, 3736, 3795, 4020, 4022, 4054, 2393, 2436, 2391, 2825, 2611, 3704, 2860, 2976, 2418, 2510, 2511, 2725, 2717, 2620, 4095, 2315, 2376, 3565, 3567, 3812, 4086, 3788, 2468, 2501, 2349, 2631, 2530, 2947, 3236, 2370, 2369, 2488, 2807, 2968, 2632, 2822, 2986, 2599, 2388, 2507, 2559, 2934, 2721, 3134, 3042, 3284, 3495, 3662, 3765, 4058, 2598, 3397, 3676, 3655, 3761, 4185, 2319, 3590, 3355, 1146, 2919, 2358, 2650, 3694, 3799, 2450]. **J-P** [2898]. **J-R** [3708]. **J.** [1459, 1092, 4292]. **J.-C** [2315]. **J.-M** [2976]. **J.-P** [3710, 2501]. **Jaan** [3268]. **Jack** [3111, 3238, 3264]. **Jacob** [3506, 2912, 2655, 3577, 2622]. **Jacobs** [3447]. **Jacobsen** [4079]. **Jacques** [2527, 2596, 2780, 2917]. **Jadczyk** [3497]. **Jagadish** [2775]. **Jahn** [2428]. **Jai** [3488]. **Jaksch** [2985]. **Jalil** [3534]. **Jamal** [3141]. **James** [3025, 648, 4211, 4202, 3945, 3192, 2777, 4196, 3190, 3135, 3230, 3672, 2793, 3508, 3260, 4175, 3655, 3821, 3525, 3397, 2650, 3281]. **Jamieson** [2767]. **Jan** [2878, 2625, 3217]. **Janiak** [2983]. **January** [158, 180, 221, 308]. **Japan**

[3993, 156]. **Jarmo** [4224]. **Jaroszkiwicz** [3421, 3637]. **Jascheck** [2433]. **Jasheck** [2433]. **Jastrow** [2473]. **Jau** [2783]. **Javaux** [2387]. **Javier** [3194]. **Jay** [3400, 2837, 3264, 3215]. **Jayant** [2916, 2531]. **Jean** [2841, 4081, 3446, 3487, 3578, 3500, 3002, 3490, 3265, 3434, 2956, 3069, 2915]. **Jean-Christophe** [4081, 3265]. **Jean-Marc** [3490]. **Jean-Philippe** [3002]. **Jean-Pierre** [3500]. **Jed** [3312]. **Jeff** [2984, 3242]. **Jeffrey** [4222, 2616, 3519]. **Jeffreys** [2335]. **Jelley** [3274]. **Jenkins** [4207]. **Jennifer** [2661, 4225]. **Jenny** [2891]. **Jérôme** [3146]. **Jeremy** [3448, 3788, 3110]. **Jeroen** [3076]. **Jerome** [3589, 3305]. **Jerry** [2718]. **Jersey** [4085]. **Jesper** [3483]. **Jesus** [3541, 4118]. **JET** [869]. **Jets** [3094]. **Jeu** [3675]. **Jianbai** [3030]. **Jiang** [3098]. **Jie** [3823]. **Jim** [4137, 2857, 2694]. **Jin** [3165, 2932]. **Jin-Jin** [3165]. **Jinghua** [2932]. **Jingsong** [3537]. **Jining** [2836]. **Jinqiao** [3489]. **Jinyi** [3457]. **Jirí** [2718]. **Joachain** [2949]. **Joannopoulos** [4021]. **João** [3507, 2608]. **Joel** [3506, 4035, 3181]. **Joeri** [3267]. **Jogesh** [3183]. **Johanna** [3498]. **Johansson** [2424]. **John** [3122, 766, 2463, 2593, 3522, 4206, 2615, 2662, 2823, 3144, 2504, 2937, 4098, 3315, 2816, 3274, 2517, 2653, 3430, 3012, 2974, 4260, 3473, 2582, 2588, 3529, 2831, 2848, 2669, 4207, 2456, 1653]. **Johns** [2845]. **Johnson** [3506, 3698, 2726]. **Johnston** [2462]. **Joint** [869]. **Jon** [3242]. **Jonathan** [2788, 2498, 2687, 3239]. **Jonathon** [3102, 3129]. **Jones** [3553, 3436, 2985, 3634, 3148, 3755, 3797]. **Joon** [2866]. **Jordi** [3586]. **Jörg** [4047]. **Jorge** [3313, 4098, 3678, 3058]. **Jorgensen** [3662]. **Jos** [3271]. **Jose** [4098, 4225, 4032, 3586, 3313]. **Joseph** [3523, 2749, 4183, 1092, 3062, 3256, 3512]. **Josephson** [2247, 507, 2248, 2048]. **Joshi** [3477]. **Joshua** [2688, 4201]. **Joslin** [2883]. **Journey** [3017, 1461, 2368, 4253]. **Joux** [2568]. **József** [3006]. **Jr** [3656, 2435, 2613, 3688]. **Jr.** [3114, 3230, 2994, 2665]. **Juan** [4032, 3132, 2629]. **Judge** [4057]. **Judging** [2600]. **Julien** [2527, 2596]. **Julio** [3300, 2964]. **July** [366, 834]. **jump** [4154]. **Jumps** [1786]. **Jun** [3585, 3103, 2982]. **June** [1569, 834]. **Jupiter** [1022, 1642]. **Jürg** [2368]. **Jurgen** [4189, 3246, 3248, 3473, 3348]. **just** [4076]. **Justin** [2598]. **Jutamulia** [2485]. **Juyoung** [2798].

K=9780750333993 [4201]. **Ka-Di** [3165]. **Kachelriess** [4041]. **Kai** [3470, 3030, 2804, 2540]. **Kai-Erik** [2804]. **Kaler** [3135]. **Kallosch** [3784]. **Kálmán** [2749]. **Kamenev** [2824]. **Kameshwar** [2532]. **Kaminski** [4186]. **KamLAND** [2120]. **Kamran** [3580]. **Kanas** [4091]. **Kane** [2294, 4233, 2926, 2533, 3731]. **Kaneda** [3143]. **Kannan** [3617, 4203]. **Kapitza** [1933, 1040]. **Kaplan** [2832]. **Kapral** [2461]. **Kardar** [2497]. **Karen** [2975]. **Karl** [4204, 3208, 2910, 1153, 1181]. **Karnakov** [3114]. **Karsten** [3619]. **Kartashova** [2592]. **Karthaus** [3104]. **Kasap** [2372]. **Kassal** [3506]. **Kastner** [3086]. **Katepalli** [3143]. **Katherine** [2535, 2511]. **Katsnelson** [4130, 2902]. **Kauffman** [3261]. **Kaufman** [3644, 3139]. **Kaviany** [3068]. **Kavokin** [3788]. **Kawai** [3039]. **Kaxiras** [4021]. **Kazuya** [4108]. **Kedar** [3582]. **Keith** [2883, 2991]. **Keller** [3338]. **Kelly**

[4183, 3341, 3535]. **Kelvin** [2765, 625]. **Kempe** [2267]. **Ken** [2631]. **Kenji** [3439]. **Kenkre** [4219]. **Kennefick** [4023]. **Kenneth** [3322, 3524, 3152, 2860, 3069, 2915]. **Kenya** [879]. **Kepler** [4136, 3532]. **kept** [2070, 3563]. **Kerr** [909]. **Kerson** [2475]. **Ketterson** [3616, 3187]. **Kevin** [4077, 3170]. **Key** [1279, 2456, 865, 1143, 3517, 1516]. **KGaA** [4022]. **Khalili** [2857]. **Khan** [4235]. **Khanna** [2853]. **Khare** [3582]. **Khomskii** [2897]. **Khoo** [4098]. **Khrennikov** [3306]. **Khurgin** [2342]. **Khvorostyanov** [3495]. **Kibble** [3305, 2952, 2243]. **Kiefer** [2939]. **Killer** [3239]. **kilogram** [2892]. **kilometre** [670]. **Kim** [4067, 2798, 3493]. **Kimball** [1092, 2588]. **Kimberley** [3056]. **Kimura** [4140, 3184]. **Kinematics** [2565]. **Kinetic** [4283, 2619, 3833, 1912, 501]. **Kinetics** [2818, 3626, 3495, 2673]. **King** [4038, 2357, 3018, 3529]. **Kingdom** [222, 358]. **Kinzer** [2420]. **Kip** [4184, 4190, 4176]. **Kira** [2805]. **Kirill** [3040]. **Kirin** [4258]. **Kiritsis** [4131]. **Kirkup** [4078, 2901]. **Kirkwood** [2195]. **Kirsten** [2995, 2391, 2510]. **Kiselev** [3593]. **Kisslinger** [3533]. **Kitamura** [2925]. **Kitchin** [3286]. **Kitsinelis** [3581]. **Kittell** [2547]. **Kjellander** [3563]. **Klafter** [2825]. **Klages** [2416]. **Klaus** [3098, 3307]. **Klebanoff** [3767]. **Klein** [2969, 1880, 2154]. **Kleppner** [3285]. **Klimek** [4017]. **Klimov** [2398]. **Klioner** [2727]. **Kloeden** [3340]. **Klotz** [3321]. **Klyatskin** [2821]. **Klyshko** [2746]. **Kneller** [584]. **Knew** [4304, 3810]. **Knocking** [2742]. **Knots** [1707]. **Knotted** [2570]. **Know** [2312, 4300, 2312, 3752, 3871]. **knowledge** [2312, 1297, 874, 1951, 2867]. **Kobayashi** [2988, 2940, 3439]. **Koberlein** [3438]. **Koch** [2805]. **Kochelap** [2377]. **Koen** [2614]. **Kogan** [3114, 2466]. **Koichi** [3764]. **Koikegami** [3103]. **Kok** [2636, 4098]. **Kolanoski** [4158]. **Kolb** [2356]. **Kolenkow** [3285]. **Kondo** [3103, 777]. **Kool** [2774]. **Kopeikin** [2832]. **Korenaga** [2982]. **Kosovichev** [2898]. **Kosso** [3774]. **Kosterlitz** [3313, 4098]. **Kosuke** [3103]. **Kotkin** [4187]. **Kotlarchyk** [2355]. **Kounai** [2787]. **Kouveliotou** [3057]. **Kovalevsky** [3069]. **Kow** [3046]. **Koyama** [4108]. **Kozhevnikov** [4094]. **Kozyreff** [2488]. **Kragh** [2658, 3502, 3048]. **Krapivsky** [2619]. **Krausz** [4172]. **Krawczynski** [3094]. **Krems** [4116]. **Kreuzer** [2708]. **Krich** [3506]. **Krishna** [2996, 2345]. **Krishnan** [4203, 3998, 3617]. **Kronberg** [3669]. **Kronmüller** [2522]. **Krugel** [2469]. **Krupinski** [4165]. **Krupp** [4042]. **Kshitij** [4240]. **Kubin** [3147]. **Kugler** [3764]. **Kulik** [2746]. **Kumar** [2853, 3540, 4159, 2558]. **Kunihiko** [3103]. **Kurt** [3447, 1034]. **Kuttner** [2796]. **Kutz** [4019]. **Kuzelev** [2659]. **Kuzmany** [2865]. **Kwek** [3412, 3659, 2846]. **Kyle** [2722]. **Kylstra** [2949]. **Kyohei** [3404]. **Kyoto** [156, 157].

L [3767, 4078, 899, 4225, 2781, 2926, 2374, 2385, 2386, 2458, 3203, 2966, 4009, 3656, 2955, 2356, 3261, 3412, 3695, 3945, 4073, 3747, 3629, 2766, 3279, 3177, 3755, 4235, 2429, 1507, 4024, 2993, 3588, 3689, 4048, 4015, 2609, 2816, 4187, 2387, 3093, 3429, 2396, 2771, 2524, 3277, 2437, 2435, 2649, 2940, 3653, 2890, 4019, 3272, 2712, 3033, 3718, 3736, 2846, 3256, 2607, 2860, 2711, 3064, 3138, 3014, 2401, 2619, 2968, 2822, 3087, 2454, 2590, 2656, 2721, 3001, 4207, 3594,

2650]. **L-C** [2846]. **lab** [1823, 3529, 3568, 3740]. **Lab-on-fiber** [3740]. **laboratories** [264]. **Laboratory** [145, 1459, 468, 1045, 1053, 177, 2652, 108, 142, 364, 365, 3397, 2344, 1406, 323, 959, 3488, 2261, 1774, 1235, 2262, 3978, 195, 219, 256, 262, 265, 406, 3850, 380, 211, 765, 242, 3612, 3555, 3458]. **labs** [4232]. **Ladd** [4083, 3344]. **Ladislav** [3147]. **Ladislav** [3591]. **Lady** [3299]. **Laegsgaard** [3483]. **Lafyatis** [4038]. **Lagrangian** [2418, 3932]. **Lahiri** [2560]. **Lahti** [3710]. **Laio** [2833]. **Laird** [4135]. **Lakhtakia** [2546]. **Lallit** [4178]. **Laloë** [4005, 3034]. **Lam** [3664, 3470, 2540]. **Lambert** [4260]. **Lambourne** [3436, 2611]. **Lamy** [3408]. **Lancaster** [3345]. **Land** [139]. **Landau** [2730]. **Landauer** [1943]. **Landé** [112]. **Landeira** [3678]. **Landi** [2295]. **landscape** [2163]. **Lane** [4117]. **Laneville** [4150]. **Lanfranchi** [4160]. **Lang** [3152]. **Lange** [2781]. **Langmuir** [1202]. **Language** [2935, 2358, 3302]. **Large** [2471, 3403, 2542, 3731, 3964, 321, 3594, 1358, 1758, 942, 1064, 1171, 1495, 4151, 1957, 1054, 1516, 1355, 2183, 3465]. **Large-scale** [321, 1758, 4151]. **Largs** [2765]. **Larkoski** [4045]. **Lars** [4098, 3337]. **Larsen** [3242]. **Laser** [1518, 1541, 3395, 2949, 3298, 1047, 2228, 1762, 2731, 1349, 1536, 2847, 1496, 2678, 1698, 1452, 2924, 1197, 934, 3852, 1023, 2146, 1177, 1270, 1657, 2007, 4050, 1198, 284, 1677, 971, 1378, 3387, 3395, 3646, 3207, 3531, 3568]. **Laser-assisted** [1452]. **Laser-Based** [3207]. **Laser-induced** [1518, 1541, 934, 3646]. **Laser-produced** [1047]. **Lasers** [1114, 184, 622, 1035, 4202, 771, 1742, 2233, 2211, 1413, 1391, 838, 1385, 1443, 1528, 2642, 2272, 1748, 2060, 1480, 3482, 3979, 3475, 3146, 3319, 2424, 2736, 4140, 3323, 3428, 2803, 3888]. **Lasing** [1621]. **Last** [4304, 707, 3810, 1254]. **Laszlo** [3647]. **Latif** [4033]. **latitude** [833]. **Latora** [3814]. **Lattice** [3518, 4269, 1089, 3424, 3902, 3927, 1241, 1247, 1488, 1009, 2209, 1856]. **Lattices** [3022, 1241, 1247, 2107, 1831, 2808]. **lattices-crystalline** [1831]. **Launay** [3446]. **Laureate** [3432, 965]. **Laurence** [2977]. **Laurent** [3481]. **Laussy** [3788]. **Lautrup** [2971]. **lava** [2213]. **Lavega** [2618]. **Lavrentiveva** [2807]. **Lavrinenko** [3483]. **law** [1265, 1334, 2142, 165, 133, 3645, 1864, 3721, 238, 3587]. **Lawless** [2707]. **Lawrence** [3538, 1092]. **Lawrie** [3021]. **Laws** [1175, 2758, 2417, 3839, 164, 596, 2142, 3949]. **lay** [2353]. **Layer** [2974, 782]. **layers** [878]. **layman** [1687, 1015]. **laymen** [1241, 1247]. **Lazarro** [2737]. **Lazer** [1562]. **Lázló** [3247]. **lazy** [3762]. **Leading** [2647]. **Leap** [2350]. **learn** [3964, 4303, 3876]. **Learning** [3259, 4225, 3577, 4214, 4019, 4197, 2700, 3330, 3660]. **least** [2549, 3762]. **Leather** [213]. **leave** [2026]. **Lebedev** [4124]. **Lecture** [2875, 2760, 2846, 3772, 131, 1569, 3836, 3491]. **lecturer** [4239, 2398]. **Lecturers** [3114, 3043, 4187, 2543, 3064, 2723]. **Lectures** [4318, 2082, 3337, 2297, 253, 3911, 397, 169, 186, 2912, 2322, 2297, 2936, 3699, 3561, 2693, 4085, 3398, 3770, 2821, 3045, 4063, 3987]. **Lederman** [2691]. **Lee** [2866, 3499, 2930, 2923, 2393, 2885, 3761]. **Leeuwen** [3090]. **Leeuwen**. [3267]. **Left** [2300]. **Left-Handed** [2300]. **Lega** [3189]. **legacy**

[3945, 2003, 2103, 3612, 3935]. **Leggett** [2261]. **legs** [2123]. **Lekner** [4206]. **Lemaitre** [2835]. **Lemons** [3793, 3258]. **Length** [3431, 4280, 2161, 3601]. **Lenihan** [766]. **lens** [3605]. **Lensing** [3291, 1550, 2023, 3709, 3858]. **Lenton** [2644]. **Leo** [2484]. **Leon** [2907, 3400, 2691]. **Leonard** [4117, 3533]. **Leonardo** [2740, 3245]. **Leong** [3659]. **Leonid** [3559, 2639]. **LEP** [1064]. **Lépine** [2780]. **Lepri** [3760]. **leptogenesis** [2812]. **leptons** [1318]. **Leroy** [2954, 2881]. **Lesgourgues** [3074]. **Lesne** [2351]. **less** [1552, 3473]. **lesson** [3702]. **lessons** [3510, 3863]. **Leszek** [2767]. **Let** [2411]. **Letellier** [4004]. **Leticia** [3772, 3374, 2760]. **Letokhov** [2424]. **Letters** [1092, 2765, 4113]. **Leuchs** [2297]. **Lev** [2989, 3984, 2913]. **Lévai** [2822]. **Level** [4120, 4078, 4060, 4106, 4057, 4062, 4110, 3480, 3498, 4082, 3509, 4241, 3506, 4232, 4254, 3491, 3485, 4056, 4055, 4231, 4073, 4123, 4069, 4154, 4177, 4113, 4118, 4061, 2057, 3507, 3499, 3493, 3488, 4240, 3502, 4084, 4155, 4248, 4251, 4072, 4052, 4178, 2191, 4163, 4252, 3494, 3496, 3501, 4081, 4156, 4162, 4235, 4257, 4259, 4085, 4108, 4068, 4119, 4242, 4250, 3478, 3479, 3477, 4105, 4165, 3492, 3510, 3421, 3497, 3200, 4107, 4157, 3487, 3003, 3511, 4112, 4114, 4115, 4117, 4159, 4161, 4158, 4160, 3486, 4164, 3238, 3500, 4121, 4122, 4244, 4249, 4054, 4083, 4053, 4080, 4079, 4169, 4170]. **Level** [4234, 3490, 3476, 3489, 4071, 4255, 4070, 4066, 4077, 4166, 4167, 4260, 2701, 4253, 3482, 3481, 3483, 3505, 3504, 3503, 4065, 4064, 4063, 4086, 4171, 4174, 2451, 3508, 4059, 4109, 2894, 3443, 3484, 3475, 3474, 3495, 4058, 4116, 4067, 4172, 4176, 4233, 4175, 4258, 4111, 4168, 869, 4243, 4256, 2414, 1501, 2301, 2567, 237, 245, 3190, 2528, 2519, 2472, 2487, 3979, 2424, 2423, 3372, 2921, 2312, 2686, 2883, 3122, 3157, 3395, 3318, 3393, 3368, 3025, 3111, 3211, 3333, 3052, 3112, 3199, 3350, 2433, 2463, 2462, 2661, 2502, 2788, 2829, 4211, 4225, 2414, 2781, 2346, 2772, 2809, 2786, 2926, 2756, 2989]. **Level** [3061, 3073, 3079, 3295, 3098, 3201, 2667, 2296, 2297, 2357, 2374, 4217, 2491, 2560, 2614, 2555, 2936, 3115, 3022, 3180, 3458, 4202, 2290, 2897, 2819, 3301, 2648, 2583, 2911, 3241, 2527, 2596, 2767, 2927, 3051, 3097, 2851, 2840, 2843, 3107, 2385, 2386, 2458, 2486, 2659, 2485, 2593, 2949, 2828, 3011, 3203, 3298, 3365, 2830, 2335, 2439, 2403, 2334, 2375, 2522, 2715, 2774, 2858, 3029, 3124, 2966, 3313, 4210, 2425, 2868, 4206, 2411, 3072, 2544, 3376, 2585, 3154, 2795, 2955, 2865, 3116, 3384, 2311, 2356, 2471, 2350, 2459, 2615, 2679, 2545, 2495, 2658, 2600, 2565]. **Level** [2564, 2508, 2662, 2490, 2498, 2912, 2857, 2870, 2742, 2707, 2751, 2904, 2770, 2856, 2727, 3091, 2981, 3089, 3056, 3017, 3037, 3133, 3010, 3229, 3237, 3261, 3167, 3195, 3171, 3403, 3406, 3412, 3320, 3383, 3462, 3425, 4182, 4184, 4191, 4221, 2293, 2320, 2412, 2509, 2754, 2347, 2757, 3349, 3371, 3137, 2866, 3038, 2977, 3095, 3035, 3247, 2942, 2740, 2867, 2945, 2801, 2948, 3055, 2995, 3142, 3150, 3442, 3123, 3296, 2823, 2939, 2984, 3023, 2672, 2708, 3322, 3373, 4209, 2749, 2842, 3396, 2673, 2798, 2838, 2836, 2853, 2785, 3104, 2988, 3275, 3194, 3179, 3353, 3408, 4183, 2764, 3102, 3226]. **Level** [3308, 2975, 3076, 3144, 3212, 3193, 2617, 2747, 2428, 2696, 2775, 2779, 3207, 2931, 3092, 3370, 3444, 2941, 2504, 2621, 2907, 3075, 3152, 3168, 2735, 2790, 2937, 2872, 2755, 3139, 3192, 3302, 3448, 2352, 2906, 2766, 2341, 2342, 2421,

2563, 2494, 2792, 2878, 2847, 3083, 3105, 2992, 3245, 3165, 3257, 2791, 2841, 2541, 2533, 2655, 2301, 2392, 3040, 3004, 2999, 2561, 2687, 2845, 3036, 2901, 2806, 2930, 3047, 3009, 3117, 2684, 4190, 4198, 2294, 2394, 2529, 2625, 2537, 2777, 2794, 2776, 3118, 2965, 3181, 3279, 3280, 3177, 3343, 3344, 3450, 3452, 3451, 4204, 4203, 4222, 2702, 2693, 2302, 2366, 2429]. **Level** [2567, 2542, 2660, 2800, 2954, 2944, 3054, 3204, 3323, 3407, 2601, 2887, 3126, 2979, 3205, 4196, 3184, 3321, 2850, 3297, 2726, 2737, 3113, 3007, 3081, 3057, 3043, 3044, 3074, 3016, 2996, 3268, 3266, 3219, 3377, 3341, 3315, 3317, 3400, 3309, 3394, 3364, 3435, 3438, 3427, 3437, 3436, 3456, 3422, 3455, 3459, 2289, 2313, 2457, 2597, 2489, 2674, 2566, 2609, 2528, 2816, 2706, 2918, 3013, 3099, 4187, 2330, 2318, 2372, 2348, 2402, 2387, 2452, 2519, 2548, 2678, 2538, 2506, 2668, 2675, 2932, 2849, 2765, 2709, 2820, 2886, 2783, 2746, 3131, 3088, 3046, 2980, 3120, 3254, 3224, 3262, 3163, 3287, 3253, 3244, 3196, 3375, 3369, 3335]. **Level** [3405, 3381, 2690, 3093, 3270, 3312, 3453, 2340, 2333, 2397, 2612, 3431, 3143, 3233, 3258, 3366, 3429, 2670, 3374, 2396, 3024, 2771, 2844, 2724, 3050, 3392, 3135, 2898, 2562, 3034, 3071, 3235, 3169, 3303, 3398, 2431, 2524, 2716, 3273, 2891, 3121, 3363, 3399, 3128, 3018, 3274, 3227, 2300, 2365, 2353, 2523, 2817, 3382, 2703, 3114, 3108, 3202, 3269, 3277, 3401, 3080, 3005, 2437, 2343, 2714, 2808, 3354, 3230, 3210, 2473, 2430, 2691, 3345, 3415, 3446, 3445, 4186, 2292, 2371, 2435, 2623, 2539, 3100, 2367, 2351, 2379, 2461, 2474, 2354, 2476, 2438, 2616, 2644, 2493, 2525]. **Level** [2889, 2902, 2863, 3263, 3283, 3187, 3186, 3182, 3340, 3423, 3457, 3454, 3460, 2299, 2682, 2505, 2526, 3026, 3424, 3189, 2355, 2680, 3015, 2692, 2950, 2797, 3162, 3447, 2688, 2916, 2881, 2929, 2748, 2738, 2923, 2933, 2864, 3078, 2983, 3208, 3206, 2288, 2466, 2594, 2497, 2899, 2773, 3428, 2309, 2465, 2464, 2671, 2584, 2753, 3140, 2973, 3058, 3246, 3367, 3027, 3030, 2395, 2455, 2427, 2517, 2647, 2543, 2518, 2649, 2653, 2685, 2499, 2512, 2743, 2739, 2803, 2940, 2884, 2946, 3084, 3145, 3031, 2998, 3259, 3232, 3307, 3351, 3449, 3432, 4200, 4205, 4224, 3049, 3231, 3234, 3243]. **Level** [3304, 3299, 3065, 3271, 2587, 2622, 3430, 3125, 3216, 3218, 3305, 3310, 2694, 2796, 3006, 3053, 2839, 2908, 2681, 2689, 2713, 2744, 2873, 2875, 2729, 2824, 2914, 2821, 2855, 2935, 2818, 2890, 2903, 2869, 2972, 3155, 3000, 3045, 3090, 2971, 2985, 3019, 3070, 3248, 3166, 3282, 3316, 2652, 3276, 3272, 3103, 2460, 2664, 2877, 3240, 3311, 555, 2295, 2467, 2434, 2449, 2651, 2778, 3106, 2332, 2472, 2432, 2487, 2784, 2712, 3127, 3033, 3012, 3086, 4197, 3209, 3213, 3214, 2415, 2595, 2815, 3094, 3332, 4201, 4223, 4218, 2780, 2624, 2835, 2874, 2924, 2837, 2834, 2760, 2876, 2750, 2880]. **Level** [3062, 3066, 3002, 3119, 2997, 3063, 3172, 3409, 4189, 3156, 2393, 2974, 3413, 2436, 2391, 2380, 2580, 2657, 2581, 2677, 2521, 2676, 2943, 2825, 2909, 2854, 2728, 2782, 2846, 3028, 3109, 3183, 3256, 3188, 3347, 3314, 2441, 2440, 3132, 2611, 2500, 2520, 2607, 2556, 2513, 2705, 2860, 2722, 3096, 2976, 3402, 3239, 2389, 2410, 2546, 2535, 3198, 2443, 2418, 2416, 2419, 2695, 2510, 2511, 2833, 2711, 2745, 3064, 3414, 3380, 4208, 4188, 4219, 2759, 3138, 3014, 3346, 2725, 2717, 2557, 4199, 2322, 2310, 2314, 2390, 2496, 2608, 2620, 2896, 2814]. **Level** [2741, 2895, 3197, 3225, 3228, 3461, 2315, 2316, 2317, 2377, 2376, 2331, 2378,

2568, 2592, 2925, 2719, 2720, 2804, 2879, 2888, 2805, 3148, 3059, 3146, 3141,
 3255, 3264, 3265, 3319, 3362, 3339, 3404, 3391, 3410, 3440, 3441, 3434, 3439,
 3433, 4220, 2532, 2582, 2531, 2589, 2588, 2938, 2910, 2913, 3048, 3151, 3149,
 3285, 3281, 2718, 2579, 2723, 2978, 4216, 2442, 2468, 2501, 3286, 2987, 2349,
 2422, 2540, 2530, 2793, 2951, 2952, 2859, 2758, 2947, 3236, 2982, 2409, 2298,
 2401, 2424, 2398, 2370, 2400, 2368, 2399, 2369, 2423, 2619, 3217, 3191, 3185,
 3278, 2503, 2417, 2645, 2558, 3136, 2799, 2789]. **Level**
 [2488, 3147, 2321, 2618, 2807, 2826, 2905, 2994, 2968, 2654, 2444, 2683, 2492,
 2831, 2822, 2953, 3087, 2986, 3032, 2848, 2454, 2669, 2536, 2599, 2291, 2665,
 2666, 3178, 2453, 2388, 2475, 2373, 2426, 2413, 2470, 2613, 2646, 2590, 2507,
 2591, 2559, 2656, 2663, 2484, 2885, 2802, 2934, 2956, 2721, 2900, 2871, 2957,
 2710, 2736, 2827, 2832, 2928, 3082, 2970, 3134, 3068, 3001, 3069, 3153, 3020,
 3110, 3085, 3129, 2969, 3041, 3021, 3042, 3215, 3242, 3170, 3260, 3284, 3411,
 3338, 3306, 3372, 3379, 4207, 4215, 2534, 2598, 2787, 3397, 2456, 3039, 3067,
 3267, 3300, 3348, 4185, 2319, 2344, 2752, 2345, 2469, 2922, 2917]. **Level**
 [2964, 3378, 3355, 2547, 2915, 2920, 2882, 2967, 2919, 2852, 2586, 2358, 2420,
 2650, 2610, 2768, 3164, 2769, 2704, 2990, 2450, 4173, 3939, 3372]. **levels**
 [535, 1752, 3078]. **lever** [509]. **Levi** [3095, 2518]. **Levinson** [3956]. **levitated**
 [3293]. **Lévy** [2763]. **Lewenstein** [3022]. **Lewis** [3695, 3119, 3117]. **LHC**
 [2294, 3825, 2647, 3613, 2294, 2044, 2360, 3677, 3054]. **Li**
 [3165, 4108, 4119, 3542, 2660]. **Liam** [3583]. **Library** [555]. **Licata** [3794].
Lichtenberg [3619]. **Lidar** [3362, 2032]. **Lidar.** [2288]. **Liddle** [2539]. **Lie**
 [4008, 3409, 3409]. **Lieb** [2601]. **Lieber** [3674]. **Life**
 [2977, 3102, 3152, 2387, 2473, 3340, 4292, 1165, 4301, 2657, 3380, 4304, 2804,
 3281, 2970, 3378, 3984, 3695, 2945, 4237, 1623, 3931, 965, 3456, 4047, 2364,
 3060, 3810, 4291, 2049, 2483, 2863, 3423, 3608, 3597, 1744, 4302, 1327, 3684,
 3676, 2173, 1237, 3600, 1461, 3129, 2637, 4090, 3487, 3525, 2834]. **lifetime**
 [3590]. **Liger** [3196]. **Liger-Belair** [3196]. **Light** [3393, 2227, 2342, 1697,
 1175, 3289, 1923, 3058, 1921, 2551, 2909, 2629, 1378, 1042, 1373, 1856, 3327, 7,
 2450, 2032, 844, 3290, 4213, 3659, 1791, 3396, 3386, 3570, 3550, 603, 806, 2287,
 658, 756, 260, 1198, 3906, 3623, 1752, 1885, 1387, 725, 3907, 2121, 2023, 1831,
 3770, 3356, 2570, 4194, 1461, 3575, 2194, 622, 2155, 139, 4256, 2686, 3318,
 2411, 2309, 3087, 3609, 3608, 3598, 3122, 2820, 3712, 3338, 3581].
Light-Emitting [2909]. **Light-field** [1697]. **light-matter** [3659, 3712].
Light/Dark [2450]. **Lighter** [2589]. **Lighthill** [2376]. **lighting** [3581].
lightning [2027]. **Lights** [2005]. **Lightwave** [4060]. **LIGO** [4101]. **Like**
 [3383]. **Lima** [2918]. **Liming** [4252]. **Limit** [3276]. **Limitations** [2862].
limited [1912, 1658]. **Limits** [2867, 1538, 4143, 1444]. **Lin**
 [3560, 3319, 2927, 3661]. **Lincoln** [2819, 2608, 2471, 3403, 3378]. **Linden**
 [3444]. **Lindesay** [3190]. **Line** [2807, 4010]. **linear**
 [2012, 2734, 88, 1029, 3562, 310, 2543]. **Lines** [2548, 3198, 553, 753]. **Linfeng**
 [2836]. **Linguistics** [3157]. **link** [667, 3504]. **linking** [4194]. **Lintott** [4109].
Lions [3172]. **Lipatov** [2609]. **liquefaction** [880]. **Liquid**
 [2668, 1913, 1441, 1405, 1870, 3900, 452, 1308, 500, 730, 4049, 1673, 953, 949,

1099, 1894, 724, 501, 2375]. **liquid-simulator** [501]. **Liquids** [2872, 3202, 735, 2443, 2573, 728, 339, 1187, 603, 847, 857, 2062, 297, 1855, 304, 424, 491, 538, 805, 531, 355, 3842]. **Lisa** [2742]. **Lissauer** [3238]. **List** [1018, 1025]. **literacy** [2552]. **Literature** [3472]. **lithography** [1063]. **Littmann** [3751]. **Liu** [3649]. **Live** [2834]. **lived** [981]. **Liverpool** [51]. **lives** [2057, 3405]. **Living** [2449, 4302, 872, 3221, 3456]. **Livio** [2714]. **LL.D** [648]. **llan** [3458]. **Llewellyn** [3092]. **Lluis** [2629]. **Local** [901, 2161, 2224, 1691, 3354]. **locality** [2160]. **Localization** [1257, 2755]. **Locating** [2307]. **locations** [4114]. **locomotion** [2337]. **lodestone** [1169]. **Loeb** [3081, 2748]. **logic** [2133]. **Logical** [3320, 2623, 363]. **Lok** [4141]. **London** [4057, 291, 3102, 2191, 4223, 4249, 4189, 89, 4070, 3337, 4095, 3956, 834, 4243, 53]. **Long** [3088, 893, 782, 2282, 240]. **Long-range** [893]. **Longair** [3089, 3168, 2738, 3612]. **Longer** [1182]. **Longitudinal** [2354]. **Look** [3383, 1674]. **Looking** [249, 131, 1973, 3206]. **loops** [313]. **López** [3132]. **Lord** [380, 291, 1165, 3702]. **Lorenz** [4039, 3220]. **Lorenzo** [3481, 3058]. **Lorrain** [2333]. **losses** [122, 6]. **Lost** [2565]. **Lotfia** [3063]. **Lou** [4250]. **Louck** [2374, 2793]. **Louie** [3718]. **Louis** [3261, 2766, 3578, 3172]. **love** [3924, 3532]. **Loveday** [3012]. **Lovelock** [2364]. **Loves** [3163]. **Lovett** [2636]. **Low** [1340, 3301, 4028, 2566, 686, 94, 2547, 844, 1049, 2337, 1422, 1427, 1752, 3760]. **Low-Energy** [2566, 1340, 686]. **lowdown** [2217]. **Lowenstein** [2950]. **lower** [1516]. **Lozier** [2632]. **Ltd** [4106, 4240, 4204, 4222, 4169, 4170, 4234]. **lubrication** [162]. **Luc** [3500]. **Luca** [3393, 3002, 2833, 4219]. **Lucas** [4057, 4185]. **Luciano** [2856, 3278]. **Ludovic** [3002]. **Ludovico** [2529]. **Ludwig** [3885, 3798]. **Luhmann** [3627]. **Lui** [3664]. **Luigi** [2945]. **Luis** [4081, 2651, 2711, 3265, 1844]. **Luiz** [2909]. **Lukas** [3036]. **Lukashov** [4110]. **Luminescence** [2177, 2224, 2878]. **Luminosity** [3594]. **lunar** [717, 3870, 337]. **Lung** [3046]. **Lunine** [3134]. **l'univers** [81]. **Lupei** [3319]. **Lynch** [3656]. **Lyndon** [2542]. **Lyne** [3016]. **Lyth** [2539].

M [3520, 2433, 2414, 2893, 3201, 3115, 2767, 3699, 2659, 2949, 3203, 2966, 4055, 3384, 2904, 2727, 3056, 3037, 3171, 3677, 4123, 3150, 694, 3599, 1131, 3628, 3212, 3193, 2779, 3648, 4030, 2352, 2341, 2494, 4138, 1830, 3679, 2394, 2794, 2776, 3343, 3617, 4203, 4001, 4046, 4041, 4024, 3007, 3057, 3400, 3752, 3773, 3751, 4031, 3957, 4042, 2566, 2330, 2402, 2340, 2396, 2844, 2716, 2300, 3230, 2473, 2691, 2351, 2354, 2476, 2525, 3632, 2355, 2692, 2797, 4114, 1057, 2465, 2455, 2427, 3653, 3740, 4099, 3819, 3234, 3065, 3218, 4164, 3053, 2744, 2875, 2935, 2890, 2903, 4121, 3106, 2432]. **M** [2487, 3718, 4122, 2415, 3094, 4201, 4223, 2750, 3063, 3634, 3795, 2825, 2846, 3028, 2441, 3132, 2500, 2976, 2389, 2410, 2419, 2511, 3681, 4129, 4219, 4070, 3138, 2725, 2314, 4095, 2317, 2377, 2331, 2378, 3141, 3566, 3505, 3610, 3813, 4065, 3702, 4092, 2349, 2530, 3236, 2409, 2401, 2398, 2370, 2368, 2417, 4034, 2321, 2826, 2265, 2444, 3087, 2848, 2373, 2646, 2656, 3215, 3484, 3707, 3737, 4033, 4067, 3067, 3300, 3655, 4111, 2319, 2450]. **M-theory** [1830]. **M.-L**

[2966]. **M.K.S.A.** [387, 176]. **MA** [4009, 4056, 4167]. **Maartens** [2903]. **MacCallum** [2414, 2903, 3508]. **Maccato** [4242]. **MacDonald** [3775]. **Mach** [1342]. **Machacek** [2358]. **Machán** [4169]. **Machine** [3145, 3577, 4019, 3330, 3594, 4197]. **Machines** [3374, 1949, 2286, 4214, 3966, 2698, 2857]. **Maciej** [3022, 2544]. **MacKay** [3052, 2546, 2489]. **Mackillo** [2805]. **Macleod** [2828]. **Macmillan** [313]. **macro** [3942, 3252]. **macromolecular** [3663]. **macromolecules** [1220]. **Macroscopic** [3303, 2971, 2994, 1635, 1055]. **Macroscopic** [3738]. **Madame** [3299]. **Maddaloni** [3207]. **Made** [3037, 4290, 1570, 1703, 2644]. **Madhusudhan** [4221]. **Maeder** [2501]. **Maekawa** [3184]. **Maffucci** [3714]. **Magdolna** [3724]. **Magellanic** [1355]. **magic** [3926, 2399]. **magma** [2001]. **Magnesium** [2789]. **magnet** [407]. **Magnetic** [571, 554, 790, 2830, 3373, 446, 2836, 2975, 791, 812, 2494, 845, 2408, 535, 909, 3103, 3214, 2440, 402, 2646, 3085, 826, 1225, 126, 546, 1934, 818, 872, 1212, 1582, 873, 403, 445, 3617, 4046, 1129, 359, 369, 3669, 3957, 1700, 3992, 839, 1515, 607, 1768, 272, 863, 429, 781, 683, 1421, 2761, 4234, 61, 240, 3964, 651, 560, 1825, 2275]. **magnetically** [935]. **magnetically-ordered** [935]. **Magnetism** [251, 1666, 3200, 388, 464, 561, 584, 667, 848, 3898, 1128, 157, 338, 2204, 2283, 982, 3802, 1213, 3115, 2403, 3142, 2907, 129, 2802, 4062, 440, 584, 848, 2494, 4046, 2990, 111]. **magnetization** [165]. **magnetizing** [4094]. **magneto** [425, 909, 438, 683]. **magneto-conductivity** [425]. **Magneto-Fluid** [2333]. **magneto-optic** [909, 683]. **magneto-optical** [438]. **magnetoencephalography** [4236]. **Magnetohydrodynamic** [49]. **magnetohydrodynamics** [3671, 3978, 3332]. **magnetometers** [4236]. **Magnetometry** [724, 3156]. **magneto-resistance** [1515, 2209]. **magnetosphere** [855, 4104]. **magnetospheres** [1530]. **Magnets** [2757, 1843, 2205]. **Magnificent** [4128, 3270]. **Magnitude** [3135, 3926]. **Magrab** [4071]. **Mahdaliza** [3504]. **Maillé** [3503]. **maintenance** [687]. **Maiti** [4169]. **major** [1068]. **Majorana** [4113, 2359]. **Majumdar** [3746]. **Make** [4311, 3869, 2962, 3949]. **Making** [3731, 1918, 4315, 988]. **Maksimenko** [3714]. **Malament** [2911]. **Malcolm** [3089, 3168, 2738, 3612, 3508]. **Malin** [2820, 3163]. **Malinovsky** [2678]. **Malkan** [4123]. **Mallik** [2379]. **Mallow** [2947]. **Malyarenko** [4061]. **Man** [654, 3106, 4301, 4304, 1672, 662, 1510, 1535, 3810, 1570, 1703, 3532, 1883, 1957, 1588, 4047]. **man-made** [1703]. **management** [925, 3514]. **Managing** [4192]. **Manasa** [3177]. **Manchester** [291, 221, 148, 232, 2880]. **Manfred** [2522, 3380, 2905]. **Mangano** [3074]. **Manhattan** [4171]. **Manifestations** [2271]. **manifolds** [3480]. **Manipulating** [2847]. **manipulation** [4103, 2362]. **Manjit** [2558]. **Mann** [3493, 3787, 2595]. **Manning** [3656]. **Mansfield** [3088]. **Manton** [3719]. **Manual** [3212, 3401, 3458, 2615, 3692, 2509, 3095, 3035, 2708, 3488, 3193, 2563, 2792, 2706, 2837, 2719, 3555, 3397, 2380, 2706]. **Manucci** [2317]. **Manuel** [2792, 3300]. **Manufacturer** [213]. **Manuscript** [3473]. **Many** [3393, 2221, 3022, 3840, 2508, 2962, 3090, 3311, 1469, 3010, 3652, 3591, 1145, 3884, 3920, 2371, 3972, 4166, 12, 3540]. **Many-Body**

[3393, 3022, 3090, 3311, 3652, 3591, 1145, 3884, 3920, 3972, 4166, 12, 3540].
Many-electron [2221]. **many-particle** [1469]. **Maoz** [3621]. **mapping**
[631, 4015]. **maps** [4091]. **Maragò** [3634]. **Marc**
[3133, 3408, 3490, 2400, 3568]. **Marcel** [3924]. **Marcelo** [3659]. **March**
[3652, 51]. **Marco** [3207, 4160, 3031, 2741]. **Marculli** [2583]. **Marcovich**
[3433]. **Marcus** [2543]. **Marder** [2724]. **Marek** [3297, 3140, 2967]. **Marfatia**
[3032]. **Margaret** [4058]. **Maria** [2746, 1844, 3664]. **Mariana** [2740].
Marianne [2880]. **Maricel** [3554]. **Marina** [3075]. **Marinescu** [2692, 2692].
Mario [3052, 2489, 2714, 4161, 3367, 3066, 3475]. **Mark**
[3368, 2667, 662, 2851, 2843, 3237, 3302, 3344, 3553, 3436, 2675, 3024, 2474,
2518, 2940, 3607, 4083, 3414, 2938, 3281, 3624]. **markets** [3252]. **Markos**
[2300]. **Marlyn** [2607]. **Marotta** [3343]. **Mars** [4015, 3020, 4059, 2321].
Marsh [4010]. **Marshall** [2409]. **Martin** [3498, 4061, 4143, 4209, 2696, 4224,
2839, 2467, 4122, 4218, 2760, 440, 2487, 2390]. **Martine** [2760]. **Martinez**
[3194, 2565]. **Martino** [4031]. **Marvel** [2542]. **Masaki** [3630]. **Masanori**
[2945]. **Masers** [3203, 68, 236, 258, 3475]. **Mashoon** [4043]. **mask** [2097].
mass [1020, 1178, 3801, 1944, 2199, 3174, 1734, 3763]. **Masses**
[170, 1152, 2071]. **Massey** [1205]. **Massimo** [3245, 4208]. **Massive**
[3039, 2564]. **Massively** [1591]. **Massoud** [3068]. **Master**
[180, 221, 2455, 206, 26, 98]. **masterpiece** [3270]. **masters** [159, 2412].
Masud [3240]. **Masujima** [2523]. **matching** [3853]. **Material**
[3015, 2749, 4173, 2384]. **Materials** [3384, 2792, 4275, 4277, 2794, 4283, 2932,
2771, 2395, 2880, 3147, 3068, 3767, 410, 754, 3974, 1007, 1049, 420, 428, 618,
1276, 409, 935, 505, 450, 4198, 4252, 3809, 4204, 4203, 2007, 1898, 4250, 2059,
434, 961, 2096, 3992, 3358, 1254, 887, 950, 506, 683, 2487, 3666, 4094, 1464,
3799, 2830, 2858, 2494, 2394, 2300, 2410, 3255, 2319, 4183, 3647, 3617, 4021,
4156, 4257, 4046, 3607, 3535, 4215, 3450, 3753, 3452]. **Mathematica**
[3438, 4286, 3960]. **Mathematical**
[2491, 4061, 3212, 2687, 3421, 2523, 2973, 2518, 3304, 2935, 2782, 3109, 2632,
3885, 3830, 3952, 4201, 4218, 4070, 1988, 3046, 2681, 3172, 3995, 2316, 3595].
MathematicaTM [3343]. **Mathematician** [3100]. **mathematicians** [2518].
Mathematics [109, 3193, 2794, 2517, 2451, 27, 167, 1753, 2427, 2543, 2117,
3170, 4219, 4077, 3295, 3994, 3849, 3217, 3924]. **Mathur** [2348, 3683].
Matilde [2583]. **MATLAB**
[3988, 3541, 4022, 4266, 4279, 3297, 3140, 3691, 3559, 3314]. **Matolyak** [3315].
matrix [3770]. **Matter** [3122, 3393, 3124, 3261, 3167, 3279, 2954, 2601, 2850,
3268, 2714, 2616, 2971, 2664, 2472, 2432, 2924, 1647, 3380, 2401, 3136, 4306,
2450, 3763, 1137, 3785, 1402, 1487, 1862, 3491, 3873, 1011, 3919, 1765, 3659,
1637, 1879, 3547, 1774, 2961, 1189, 1145, 1080, 4001, 1291, 3060, 1992, 690,
2083, 3982, 2046, 3432, 1960, 4121, 4075, 2487, 3718, 3879, 3880, 3836, 4166,
321, 486, 1392, 3221, 3242, 3684, 3981, 84, 1414, 4317, 3029, 3245, 3460, 2355,
3206, 2389, 3197, 2349, 2630, 4106, 3557, 3505, 3675, 19, 3396, 3915, 3712].
Matter-antimatter [1647]. **Matters** [2438]. **Matthew** [3275, 3823, 3316].
Matthieu [4150]. **Matveev** [3218]. **Maudlin** [2981]. **Maupuech** [3788].

Maurizio [3997]. **Mauro** [3282]. **Maury** [3208]. **Max** [965]. **Maxim** [3311]. **Maxime** [3659]. **Maxwell** [3840, 3075, 3281, 3514, 1698, 1259, 2219, 3612]. **May** [195, 256, 262, 276, 365, 261, 214]. **maybe** [3295]. **Mazure** [2929]. **Mazzucato** [3642]. **McAllister** [3583]. **McCall** [2710]. **McCartney** [3281]. **McCauley** [3256]. **McComb** [3376]. **McCracken** [3099]. **McDonnell** [2419]. **McGill** [196]. **McGillicuddy** [3656]. **McGloin** [2598]. **McLennan** [2826]. **McRae** [3322]. **McSween** [2613]. **McWilliams** [3025]. **Mean** [2715, 3372, 3672]. **mean-field** [3672]. **Meaning** [3320, 2534, 1671, 3987, 3811, 3473]. **means** [141]. **Measure** [3138, 3643, 4230, 3590]. **Measured** [2462]. **Measurement** [2545, 840, 4284, 3374, 3447, 2557, 2804, 2530, 468, 3881, 778, 874, 2174, 395, 3328, 2176, 960, 3531, 2482, 378, 1743, 2055, 1480, 1442, 3407, 3710, 3112, 3407]. **Measurements** [2648, 1671, 3207, 3245, 2670, 3961, 817, 2338, 438, 3818, 4111]. **measures** [2281]. **Measuring** [609, 445, 4051, 1793, 2266, 1925, 1658, 4102, 3049, 2265]. **Mechanic** [2518]. **Mechanical** [505, 398, 2213, 1290, 3249, 873, 1793, 2266, 2265, 3798, 1464, 2900]. **Mechanics** [2781, 2560, 2490, 3320, 3038, 2801, 2995, 4266, 3296, 3493, 3076, 2790, 2992, 2687, 2845, 3047, 2726, 4285, 3233, 3024, 3034, 3235, 3114, 2713, 3311, 3086, 3214, 4298, 2874, 2760, 3172, 3949, 1553, 2391, 2854, 3132, 2705, 3096, 2410, 2416, 2579, 2947, 3178, 2832, 3470, 1409, 1437, 4217, 4014, 4005, 4069, 3663, 3657, 3658, 360, 370, 2090, 3820, 4178, 1839, 3557, 875, 3513, 3999, 4196, 4187, 3906, 3510, 1171, 1460, 4161, 539, 2148, 1693, 3546, 1303, 4218, 4022, 1581, 3863, 1955, 4129, 4188, 529, 4086, 3786, 907, 3798, 3857, 4145, 4175, 1464, 3685, 3600, 4129, 2502]. **Mechanics** [2829, 2936, 3089, 2823, 2845, 875, 2601, 3205, 3341, 2348, 3046, 3421, 2365, 3401, 3210, 2351, 2864, 3000, 3045, 3282, 2677, 2676, 2418, 2759, 3285, 2951, 2952, 2488, 2492, 2454, 2665, 3260, 3750, 3585, 3947, 3538, 3561, 3734, 3811, 4066, 4231, 3005, 2645, 3943, 4134, 3980, 3843, 3887]. **mechanism** [3249, 3225]. **Mechanisms** [3154, 1341, 744, 665, 2208, 4111]. **Mechoulam** [2912]. **Medal** [605, 2582]. **Media** [2820, 3233, 3213, 3402, 3988, 4279, 1923, 2659, 3002]. **mediated** [1309, 2285]. **Mediavilla** [2779]. **Medical** [3201, 2842, 2396, 2464, 144, 3119, 65, 1048, 1721, 886, 4165, 1316, 797, 1973, 3951]. **Medicine** [2918, 3768, 2533, 3058, 3832]. **medieval** [3326]. **Medikonda** [3177]. **Mee** [4082, 3719]. **meeting** [75, 147, 180, 221, 289, 341, 48, 26, 98, 76]. **meetings** [163]. **Meets** [2472, 2534]. **Megascience** [2356]. **Meglicki** [2399]. **Mehlig** [4197]. **Mehran** [2497]. **Meirovitch** [4217]. **Meisel** [3438]. **Mekkadon** [2750]. **mekometer** [166]. **Melia** [2562]. **Melissinos** [3017]. **Melo** [4119, 2681, 2316]. **Melting** [2021, 1420, 608]. **Melville** [4206]. **members** [397]. **membranes** [3900, 1841, 1240]. **membranes-** [1841]. **memoir** [4117, 4132]. **memoirs** [811]. **Memorial** [2912, 2822, 1569, 3976]. **memory** [2059]. **memristors** [4227]. **MEMS** [3148]. **Mendel** [2747]. **Mendelssohn** [1034]. **Menon** [2597]. **Merches** [3554]. **Mercury** [4048]. **merely** [1885].

Merging [2479]. **Meron** [3410]. **Merrill** [3085]. **Merritt** [3479]. **Mes** [3208]. **meson** [4173, 1978]. **mesons** [1995]. **Mesoscale** [2061, 3147, 2114, 3211]. **Mesoscale-Convective** [3211]. **Mesoscopic** [2806, 2605, 1712, 2048]. **Mess** [3484]. **MESSENGER** [4048]. **messengers** [4143]. **Messier** [3427, 4296]. **Mestel** [2907]. **Mestre** [4225]. **metabolism** [4179]. **Metaheuristic** [2784]. **Metal** [2032, 3275, 697, 1186, 2209, 777, 1641, 3530, 1385, 515, 731, 217, 1511]. **Metal-insulator** [697]. **Metal-nanoparticle** [3275]. **metal-semiconductor** [3530]. **Metallic** [990, 651, 677, 58, 1364]. **metallurgy** [584]. **Metals** [3083, 314, 824, 640, 913, 452, 1143, 788, 500, 131, 926, 320, 378, 638, 1431, 570, 483, 1210, 161, 174, 182, 190, 200, 2909]. **Metamaterials** [2791, 2817, 2458, 2412]. **metaphysical** [2090]. **Metaphysics** [4320, 3425]. **Metastable** [2128, 1105, 1898]. **metasurface** [4193]. **Metcalf** [3598]. **Meteorite** [2672]. **meteorites** [3648, 2906]. **Meteoroids** [4058]. **meteorological** [413]. **meteorology** [864, 1314, 2452, 337, 90]. **meteors** [4058]. **Method** [3909, 2347, 3093, 2549, 518, 532, 3819, 385, 736, 3219, 3774]. **methodologies** [4219]. **methodology** [3649]. **Methods** [2757, 3212, 2696, 3118, 3181, 2724, 2523, 3189, 2973, 2395, 3304, 2837, 2634, 3109, 3183, 2711, 2557, 2492, 3082, 2598, 4078, 3830, 1778, 3927, 3873, 2193, 3644, 482, 3900, 1276, 3809, 1886, 300, 4201, 3995, 4070, 3483, 3595, 3814, 3050, 2487, 2835, 2860, 3994, 3527, 4122, 2659, 3832, 3961, 3895]. **metre** [183]. **metric** [390]. **Metrology** [3105, 3145, 2038, 2217, 2446, 4193, 1610, 4203]. **meV** [2893, 4321]. **Mézard** [2400]. **MHD** [3233, 3519]. **Miake** [2313]. **Miao** [3542]. **Michael** [2463, 3663, 3105, 2702, 4098, 3113, 3459, 3783, 2724, 4114, 3234, 3106, 2760, 4080, 4166, 4253, 3575, 2938, 3151, 3713, 2536, 2832, 3443, 3624, 2650]. **Michel** [3370, 3287, 3374, 3446, 3666, 3346]. **Michele** [3179]. **Michelson** [260, 3997]. **Michio** [2523]. **Michler** [2344]. **Micro** [3252, 3942, 2733, 1249, 3611]. **micro-optics** [3611]. **micro-organisms** [1249]. **microanalysis** [1120]. **microbe** [3600]. **Microcavities** [3788]. **microcavity** [1922]. **Microdroplets** [2915]. **Microfabricated** [2640]. **micrographs** [615]. **Micromagnetism** [2522]. **Microparticles** [2787]. **microphysics** [3495, 3610]. **Microrheology** [3813]. **microring** [3743]. **microscale** [4087]. **microscope** [476, 845]. **Microscopic** [2856, 2123, 492, 2416]. **Microscopy** [1131, 2834, 4079, 2344, 1045, 1053, 2076, 2572, 3418, 3608, 1203, 91, 502, 2362, 1120, 1502, 217, 557, 1563, 1814, 3327, 2173, 2624, 4224, 3622]. **Microseisms** [431]. **Microstructural** [2410]. **Microstructure** [2522]. **microtron** [104]. **Microwave** [1217, 1225, 2292, 2126, 508, 1811, 4157, 166, 3434, 4309, 3951]. **microwaves** [204, 210, 2048]. **mid** [2220, 3454]. **mid-infrared** [2220]. **Mid-Ocean** [3454]. **Middle** [3044, 2032]. **Miele** [3074]. **Miftahof** [4241]. **Miguel** [3185]. **Mike** [4016, 4098, 3614]. **Mikhail** [4130, 2902]. **Mikhailov** [2414]. **Miklós** [3247]. **Milani** [2526]. **Milano** [3119]. **Milburn** [3567, 2530]. **Miles** [2598]. **Milky** [3804, 3781]. **millennia** [2278]. **Millennium** [3215, 4133]. **Miller** [2874].

Millimetre [1233]. **million** [3797]. **millisecond** [1559]. **Mills** [2948, 56].
Milner [3754]. **Milonni** [4000]. **Milutin** [3126]. **Mimkes** [3248]. **Mind**
 [3472, 4271, 4149, 2408, 3690, 2350, 3167, 3403, 2917, 2768, 3637, 4149, 3406].
Minds [3378]. **mineralogists** [2472]. **Mineralogy** [2472]. **minerals** [493].
mines [2408]. **Minhaeng** [2555]. **Miniatura** [2846, 3659]. **Minimal** [2161].
mining [3577]. **miniscule** [1358]. **Minoru** [2982]. **Minos** [2200]. **Miret**
 [2979]. **Miret-Artés** [2979]. **misconstrued** [3654]. **Mishra** [2988]. **missed**
 [1905]. **Missing** [2354]. **mission** [3687, 4136]. **Mitescu** [3500]. **mitigation**
 [1067]. **Mitin** [2377]. **Mitschke** [2719]. **Mittal** [2712]. **Mittemeijer** [3050].
mixtures [595, 1942]. **MKS** [374]. **Mlodinow** [4117]. **mobility** [1107].
Mode [3202]. **Mode-coupling** [3202]. **Model**
 [988, 2744, 2322, 3048, 2631, 1913, 1412, 1049, 4177, 3769, 1192, 2215, 1988,
 202, 4270, 1804, 3731, 3316, 2595, 3783, 3430, 3847]. **Model-making** [988].
Modeling [2794, 2660, 2354, 2782, 2556, 2712, 3936]. **Modelling**
 [2123, 3450, 2762, 3033, 3147, 2807, 3067, 2347, 2061, 4277, 4198, 3895, 3686,
 711, 2223, 3803, 1684]. **Models** [3142, 2816, 3070, 3082, 1091, 3652, 2408,
 2343, 3589, 1278, 4111, 2554, 2816, 2689, 3539, 3562, 3927, 3867]. **Modern**
 [3393, 522, 2615, 2742, 423, 1555, 3144, 3092, 2937, 4323, 2533, 4190, 1542,
 3280, 1617, 3108, 2299, 2465, 2855, 3090, 378, 3063, 2705, 3471, 3441, 2951,
 1431, 1610, 2669, 2319, 1263, 2264, 254, 4232, 4032, 3945, 578, 4072, 4280,
 3671, 2201, 2519, 917, 3525, 2263, 4200, 3905, 3831, 4129, 288, 120, 4176, 4184,
 3731, 4129, 2502, 2346, 3237, 4134, 4001, 2706, 3050, 4097, 2818, 3166, 3063,
 3183, 3864, 3404, 3890, 4147, 3110]. **modernity** [4100]. **modes** [3175].
modified [2181, 4108]. **modifying** [2463]. **modular** [3358]. **modulation**
 [3812]. **Moe** [3075]. **MoEDAL** [3570]. **Moggi** [3648]. **Mohammad**
 [3073, 3098]. **Mohapatra** [4155, 2322]. **Mohsen** [2677]. **Moiseyev** [2759].
Molecular [2883, 2788, 675, 2927, 2205, 2991, 2, 1475, 1503, 3446, 2062, 3065,
 1323, 1635, 1913, 1379, 152, 3223, 3706, 2963, 761, 3359, 2129, 2408, 3563, 470,
 3832, 4112, 4245, 4260, 1817, 202, 2829, 3940, 3348]. **molecule**
 [4110, 2108, 917]. **Molecules** [4266, 2749, 660, 3446, 2745, 1659, 50, 4118,
 1657, 1879, 1994, 1112, 989, 2096, 3563, 1065, 1151, 3487, 4022, 4194, 3964,
 4260, 893, 3852, 3598, 3344, 4110, 3631, 555, 4116]. **Molle** [3666]. **Molloy**
 [2598]. **moment** [664, 781, 2275]. **Moments** [2347, 790, 1948, 2694].
Momentum [2374, 3087, 881, 414, 1670, 2629]. **Mompart** [3047]. **MOND**
 [2181]. **Mondal** [3608]. **money** [1918]. **monitoring** [3331]. **Monk** [3102].
monodromy [3223]. **Monograph** [4079, 2921, 4078, 4060, 4106, 2686, 2883,
 3157, 3395, 3368, 2462, 2661, 2786, 2756, 2667, 2374, 4241, 2560, 2555, 3022,
 3506, 2897, 2648, 2583, 2911, 3241, 2851, 2659, 2593, 2949, 3011, 4254, 2335,
 2334, 2522, 2715, 2774, 3029, 3124, 3313, 4056, 4206, 2411, 3376, 4231, 3384,
 2350, 2545, 2495, 2856, 3010, 4069, 4191, 2293, 2412, 2757, 3038, 3095, 3247,
 4061, 3442, 2823, 2939, 3373, 4209, 2673, 2838, 2836, 3194, 3179, 3353, 3408,
 3499, 2428, 2696, 2775, 3207, 2504, 2621, 3152, 3168, 2735, 2872, 3502, 4155,
 4248, 2906, 2342, 2421, 2847, 3105, 3245, 3165, 2999, 2561, 2845, 2806, 2930].
monograph [4198, 4163, 2529, 2625, 2537, 2777, 2794, 2776, 3118, 2965, 3279],

3450, 4257, 4259, 2702, 2429, 2660, 2800, 2954, 3204, 2601, 2887, 2979, 3205, 3184, 3007, 3057, 3044, 3074, 3016, 2996, 3268, 3266, 3394, 3364, 3422, 2289, 2313, 2457, 2597, 2489, 2674, 2566, 2609, 2528, 2816, 2918, 3013, 3099, 4187, 2538, 2709, 2783, 3131, 3244, 3196, 3369, 3270, 3453, 3431, 3374, 2562, 3034, 3071, 3169, 2431, 2524, 2716, 2891, 3363, 3399, 3510, 3421, 3497, 2353, 3382, 2703, 2808, 3354, 4107, 2539, 2351, 2461, 2474, 2354, 2476, 2438, 2616, 2644, 2493, 2525, 2902, 3263, 3283, 3187, 3182, 3340, 3423]. **monograph** [3454, 3460, 3026, 3003, 2680, 2692, 2797, 3162, 2738, 3078, 4158, 2594, 2899, 2773, 3027, 2395, 2427, 2543, 3084, 2998, 4200, 3430, 3125, 3218, 3310, 4164, 2681, 2744, 2869, 3070, 2652, 3276, 3103, 2295, 2434, 2778, 4197, 3209, 3213, 2815, 3094, 3332, 2924, 2880, 3172, 3409, 4054, 4053, 4080, 4234, 2393, 2974, 3413, 3490, 2521, 2722, 3402, 2389, 2410, 2546, 2416, 2419, 2695, 2510, 2833, 2711, 3414, 3380, 4255, 4219, 2759, 3346, 2717, 2557, 2608, 2315, 2316, 2376, 2331, 2378, 2592, 2925, 2720, 2804, 2879, 2888, 2805, 3059, 3146, 3319, 3362, 3339, 3404, 3391, 3410, 3482, 3441, 3481]. **monograph** [3434, 3483, 3439, 3504, 3433, 3503, 4064, 4220, 2723, 2468, 2501, 2540, 2530, 2793, 2758, 2424, 2398, 2400, 2368, 2451, 2369, 2423, 2619, 3217, 3278, 3508, 2503, 2417, 3136, 2321, 2618, 2826, 2968, 4059, 2683, 2831, 2894, 3032, 2599, 2665, 2470, 2613, 2591, 2559, 2663, 2802, 2956, 2721, 2957, 2710, 2736, 2827, 2832, 2928, 3134, 3069, 3110, 3085, 3042, 3338, 3306, 3372, 3443, 3475, 3474, 3495, 4116, 4067, 4215, 4233, 3397, 3300, 4111, 4168, 2547, 2920, 2882, 2852, 2586, 4243, 2704, 2450]. **monograph/essay** [2710]. **monograph/general** [2906]. **Monographs** [3116, 4061, 3421]. **monolayers** [1186]. **monopoles** [2761]. **Monsoon** [2376]. **Montanari** [2400]. **Montani** [2741]. **Monte** [3927, 2860]. **Montwill** [2411, 2933]. **Moo** [3318, 3609]. **Moo-Young** [3318, 3609]. **Moon** [1974, 672, 2299, 3066, 3870, 840, 435]. **Moore** [2463, 3043]. **Morette** [2301]. **Morf** [3015]. **Morfill** [3276, 2652]. **Morimoto** [2782]. **Morin** [3115]. **Morishita** [3404]. **Morley** [3997]. **Morowitz** [3597]. **Morrison** [3478]. **Morton** [2980]. **Moshe** [3280, 2951]. **Moshkalev** [3059]. **Mössbauer** [760, 1881, 490]. **most** [3739]. **Motion** [2867, 1581, 339, 355, 3328, 59, 1476, 1151, 385, 2088, 4172, 1737, 3100]. **motion-robust** [3328]. **Motives** [2583]. **Motohiro** [3544]. **Motoichi** [3353]. **motor** [2304, 2123]. **motors** [2131, 3584]. **Mott** [3255, 1757]. **Mou** [3720]. **Mou-Hsiung** [3720]. **movement** [4219, 611, 2417]. **moves** [1914]. **Moving** [2123, 1923, 457, 61, 1658]. **Mozer** [3677]. **Mr** [2864, 2908]. **MRI** [3088]. **Mrs.** [2491]. **MSc** [2743, 2739]. **Mu** [3560]. **Mu-Lin** [3560]. **much** [919, 981]. **Mudry** [3491]. **Muhammad** [3073, 4254]. **Mukhanov** [2425]. **Mukhopadhyay** [4251]. **Mullan** [2559]. **Mullaney** [2505]. **Mullard** [255]. **Müller** [2774, 2760, 2995, 3310, 2391, 2510]. **Müller-Kirsten** [2995, 2391, 2510]. **Mullin** [3694]. **Mullylä** [2804]. **multi** [4242]. **multi-purpose** [4242]. **Multidimensional** [2624]. **multidisciplinary** [3572]. **Multilayered** [1537, 3672]. **multilayers** [1666, 1515]. **Multiphase** [3402]. **multiphonon** [1089]. **Multiphoton** [1379, 934]. **Multiple** [989]. **Multistep** [1400]. **Multiverse** [2459, 4127, 3469, 3521]. **MULTiverses**

[2814]. **Multiwavelength** [3049]. **Muni** [3786]. **Munk** [2412]. **Muon** [1479, 781]. **Muons** [3015, 2094, 1862]. **Murdoch** [3205]. **Murugan** [2984]. **Musazzi** [3646]. **music** [1590, 4244, 3357, 2462, 2520]. **Musical** [969, 1887, 399]. **musicologists** [2474]. **musicum** [2553]. **Musings** [3100]. **Muslim** [2870]. **MXene** [4227]. **MXene-based** [4227]. **my** [2034, 3935, 3702, 965]. **Myers** [3618, 2980]. **Myridis** [3432]. **Myron** [3139]. **mysteries** [3913, 2576, 3594, 4059]. **mysterious** [3650]. **Mystery** [2321, 4082, 239]. **mystique** [1995]. **Myth** [2321, 1672].

N

[2788, 3719, 4082, 4241, 2949, 3716, 3644, 2545, 3412, 4221, 2673, 3628, 3652, 4155, 2806, 3054, 4024, 2850, 4040, 4042, 4091, 2609, 3810, 2438, 3819, 4019, 4249, 3526, 2419, 2322, 2310, 2317, 3255, 2259, 2807, 2665, 3039, 2547, 1146]. **N.W.2** [89]. **N.Y.** [137]. **N00N** [2217]. **Nadeau** [2837]. **Nadi** [3063]. **Nag** [4251]. **Nahar** [2788]. **Nahin** [2491]. **Naim** [3645, 3654, 2619]. **Nakariakov** [3007]. **naked** [3477]. **Nandini** [3230]. **Nano** [3353, 3024, 3293, 2378, 2128, 2733, 3537, 3036, 3584, 3714]. **Nano-Electro-Optics** [2378]. **nano-electromagnetics** [3714]. **nano-grenades** [2128]. **Nano-Mechanics** [3024]. **nano-motors** [3584]. **Nano-optics** [3353, 3537, 3036]. **Nano-optomechanics** [3293]. **Nanoantenna** [3408]. **nanoapplications** [3819]. **Nanochemistry** [2529]. **Nanocomposite** [2771]. **Nanocomposites** [2767]. **Nanocomputing** [2777]. **Nanocrystals** [4266, 4022]. **nanodevices** [4309, 3434]. **Nanoelectromechanical** [2136]. **Nanoelectronics** [3301, 2785, 2377, 2628, 3666]. **Nanofabrication** [2799, 3059]. **nanofibers** [4235]. **Nanoguides** [2879]. **Nanoimaging** [2720]. **Nanomagnets** [1896]. **Nanomaterials** [3051, 2836, 3265, 4081, 4242, 2988, 2800]. **Nanomechanics** [2925]. **Nanomedicine** [2836]. **Nanometrology** [2230, 2919]. **nanoparticle** [3275, 2224]. **Nanoparticles** [2880, 4180, 3293]. **nanophotonics** [3772, 3353, 2563, 3977]. **nanoprobes** [3629]. **Nanosatellites** [3571]. **Nanoscale** [3047, 2773, 2834, 4309, 2304, 3961, 2233, 3352, 3760, 2015, 3122, 3433, 2503, 4162, 3712, 3434]. **Nanoscience** [2749, 2777, 3488, 2234, 3674, 2402]. **Nanoscopy** [2624]. **Nanosensors** [2836, 3179, 3062, 2853]. **Nanostructures** [3003, 3696, 4260, 3672, 2787, 3530, 3742, 3898]. **nanosystems** [4281, 2836, 3439]. **Nanotechnology** [1905, 2798, 3177, 3982, 4199, 2795, 3493, 2777, 3488, 3674, 4254, 3194]. **Nanotube** [2838, 1841]. **nanotubes** [1956, 2332, 3033, 3544, 3501]. **nanowires** [4220, 3674]. **Naoki** [4220]. **Nappi** [3204]. **Narayanan** [3543, 2750]. **Narayani** [2712]. **Narlikar** [2343, 2916, 2531, 3474]. **narrow** [679]. **NASA** [4136, 1098]. **Nastase** [4002, 3592]. **Natale** [3207]. **National** [145, 468, 3206, 108, 142, 364, 365, 195, 219, 256, 262, 265, 406, 242]. **Natural** [2333, 2451, 3379, 3766, 3520, 932, 1841, 880, 1570, 577, 4243, 3803]. **Nature** [3290, 2056, 3425, 4154, 2228, 4320, 4148, 3163, 3375, 4159, 4160, 3243, 3414,

4208, 4171, 2558, 4145, 3834, 4106, 2099, 3878, 2081, 487, 993, 4027, 732, 1926, 718, 3597, 1123, 1111, 3543, 124, 1073, 4256, 3496, 4004, 3163, 3777].
Navarro [4100]. **Navier** [3573]. **navigation** [340, 337]. **navigational** [3251].
Nazarov [3076, 2402]. **near** [1430, 3159, 1326, 1028]. **near-field** [3159].
Nearest [3400]. **Necessity** [3399]. **Need** [4273, 1014, 1409, 3459, 2886].
Needs [4300, 3752, 83, 3871, 3333]. **Negative**
[2394, 542, 2093, 2270, 229, 1107, 2269]. **Neiner/Physics**
[2501]. **Nellis** [2969]. **Nelson** [380, 291, 2891]. **Nematic** [861]. **Nenad**
[3148]. **Nenadic** [3148]. **Neoncinography** [539]. **Neptunes** [2190]. **net**
[2735]. **network** [3503]. **Networks**
[3471, 2113, 2762, 3789, 3665, 4197, 1248, 3814, 2352, 2657, 3031]. **Netzer**
[3266]. **Neuenschwander** [3574, 3485, 2683]. **Neunenschwander** [3817].
neural [2325, 4197, 1248, 2285]. **neuroimaging** [4236]. **neuromorphic**
[4227]. **neutral** [123, 623]. **Neutrino**
[1152, 2199, 122, 1734, 2812, 4155, 2120, 1160, 3074, 2612, 2877, 2701].
Neutrinos [762, 2322, 3136, 1523, 2597, 3032]. **Neutron**
[1137, 2955, 1187, 3321, 386, 401, 1530, 1303, 2633, 1149, 3236, 1512, 3835, 749,
283, 664, 924, 2355, 1076, 71, 3590, 1414, 1650, 1722, 2674, 3510, 3863, 3267].
Neutrons [2355, 3015, 566, 21, 32, 1039, 830]. **never** [2772]. **Nevill**
[1757, 2769]. **newcomer** [2394]. **Newman** [4027, 3096, 3595]. **Newton**
[3093, 3270, 2864, 2983, 3575, 3381, 1643, 1688, 1834, 1273, 1150, 1272, 1190,
1864, 2437, 3878, 4027]. **Newtonian** [2911, 2181, 360, 370]. **Next**
[2626, 4028, 3174, 3590]. **Ng** [2943]. **Ni** [3585]. **Nian** [2756]. **Nicholas**
[3113, 2920]. **Nicholls** [3699]. **Nick** [3274, 2581]. **Nicolas** [3772]. **Nicole**
[2880]. **Nicosia** [3814]. **Niels** [3425, 1412, 4073, 3048]. **Nielsen** [2656]. **Nigel**
[865]. **Night** [2439, 3151]. **Niklas** [2910]. **Nikolay** [3460]. **Nikolova** [2429].
Nikonov [3218]. **Nikos** [3051]. **Nikuni** [2580]. **Niles** [3483]. **Nils** [2740].
Nimrod [2759]. **NINA** [437]. **Nineteenth** [2887]. **Nino** [4154]. **ninth**
[3647, 415]. **Nipoti** [4146]. **Nir** [3110]. **Nishimori** [2729]. **Nishinaga** [3626].
NIST [2632]. **Nitant** [4219]. **Nittler** [4048]. **NJ**
[4132, 4120, 3945, 4235, 4200, 4205, 3995, 4167, 3337]. **NMR** [1226, 3373].
No [159, 554, 4322, 3419, 3129, 623, 637, 2057, 4023]. **Noakes** [1497]. **Nobel**
[2870, 965, 3432, 4200, 4151, 4205, 4318, 2082, 945, 3337, 2082, 3337]. **Noble**
[545]. **Nobuhiko** [3439]. **Noce** [4147]. **Noether** [3817, 2683]. **Nogué**
[2779, 2779]. **Noise** [1474, 2466, 2733, 2016, 1807, 2116, 2833].
Noise-Induced [2833]. **Noisy** [2331]. **Noll** [3531]. **Nolte** [3471]. **Non**
[3333, 2290, 2734, 88, 3125, 2824, 626, 1855, 3255, 2369, 1691, 310, 3318, 4211,
2989, 2296, 1754, 2851, 2843, 677, 2912, 3056, 1241, 1247, 3349, 3137, 3095,
3035, 3150, 916, 2838, 3104, 2988, 3444, 3152, 4155, 2406, 1229, 2684, 3496,
2542, 3407, 3262, 3163, 2033, 3121, 3128, 3018, 3210, 2473, 3415, 3445, 4186,
1254, 3283, 3423, 2688, 2916, 2748, 3206, 506, 4200, 4205, 3234, 2908, 2515,
2778, 3066, 2443, 3014, 2717, 3225, 3461, 2582, 2913, 2789, 2826, 2986, 2219,
3178, 3134, 2048, 2964, 2160, 2650, 2610, 2769, 4254, 2057, 3139, 3038, 3370,
3843, 2622, 2759, 2540]. **Non-additive** [626]. **non-classical** [2048].

non-computable [2033]. **Non-crystalline** [3255, 1254, 506].
non-destructive [2515]. **Non-diffracting** [3370]. **Non-Equilibrium**
 [2290, 2824, 2369, 2406, 2219, 3038]. **non-experts** [3206]. **Non-Fermi** [1855].
Non-Hermitian [2759]. **Non-linear** [2734, 88, 310]. **Non-local** [1691].
non-locality [2160]. **non-metallic** [677]. **Non-Perturbative** [3125, 2622].
Non-relativistic [3843, 2540]. **non-Rydberg** [916]. **non-science** [2473].
Non-Scientist [3139]. **non-scientists** [1754]. **non-specialist**
 [2296, 1241, 1247, 2838, 1229, 2443, 2057]. **Non-specialists**
 [3333, 3318, 4211, 2989, 2851, 2843, 2912, 3056, 3349, 3137, 3095, 3035, 3150,
 3104, 2988, 3444, 3152, 4155, 2684, 3496, 2542, 3407, 3262, 3163, 3121, 3128,
 3018, 3210, 3415, 4186, 3283, 3423, 2688, 2916, 2748, 4200, 4205, 3234, 2908,
 2778, 3066, 3014, 2717, 3225, 3461, 2582, 2913, 2789, 2826, 2986, 3178, 3134,
 2964, 2650, 2610, 2769, 4254]. **nonadditive** [3221]. **Nonautonomous** [3340].
Noncircular [2766]. **Nonequilibrium** [3132, 2416, 3820, 3090, 3831].
Nonlinear [2067, 3368, 2614, 2840, 1887, 2541, 3024, 2571, 2416, 2752, 2015,
 3796, 2573, 2733, 1474, 3770, 3466, 1635, 3812, 4088, 3619, 3343, 3678, 2711,
 2592, 3391, 3410, 3537, 3566]. **nonlinearity** [1326, 2208]. **Nonlocal** [4043].
Nonperturbative [2609]. **nonrelativistic** [3704]. **nonsense** [3848].
nonspecialist [2191]. **nonspecialists** [3329]. **Norbert** [4158]. **Nordlund**
 [2844]. **North** [2299]. **Norton** [2620]. **Norval** [4256]. **Norwich** [147]. **note**
 [545]. **Notebook** [3343]. **Notes** [2886, 583, 2760, 2846, 3772, 3491, 295, 3836].
Nothing [1263, 2264, 4194, 2263, 2426]. **Notice** [2111, 1962, 2139, 2324].
Notices [1868, 947, 957, 974, 986, 996, 1004, 1017, 1032, 1061, 1087, 1320,
 1330, 1345, 1353, 1361, 1368, 1376, 1383, 1397, 1447, 1492, 1499, 1612, 1860,
 1877, 1890, 1909, 1930, 1940, 1986, 2091, 2105, 2118, 2144, 2323, 2477].
Notions [1002]. **Nottingham}** [554, 338]. **Nouredine** [2579]. **Novel**
 [3033, 2096, 4258, 3629, 3187, 3402]. **November** [1136, 50]. **Novotny** [3036].
Noz [4067]. **NPL** [166]. **NTT** [1516]. **nucléaire** [366]. **Nuclear**
 [1578, 145, 1735, 1155, 3875, 1501, 1276, 1934, 925, 4273, 1879, 872, 1624, 1866,
 1080, 1381, 1573, 1665, 359, 369, 1175, 2674, 2816, 2706, 2035, 1104, 3416, 1885,
 972, 499, 2445, 129, 738, 4304, 2310, 4305, 2507, 1527, 827, 1336, 834, 498, 1913,
 4010, 143, 4211, 631, 1206, 1723, 4030, 1068, 319, 51, 1400, 1486, 2024, 2384,
 3459, 3754, 193, 3810, 122, 1886, 839, 2027, 3206, 4159, 820, 853, 1421, 2236,
 3228, 4174, 3829, 4168, 76, 3322, 4204, 1069, 2566, 2918, 2330, 3206, 2390, 4207].
nucleation [999, 1008]. **Nuclei** [927, 319, 2923, 1641, 21, 32, 1879, 1178,
 1348, 1465, 2514, 1436, 170, 1958, 3266, 3094, 3479]. **nucleon** [762].
nucleosynthesis [4174, 2620, 3586]. **nucleus** [3, 959, 129]. **number**
 [2337, 1422, 1427, 4029]. **Numberland** [2496]. **numbers** [3704, 2373].
Numerical
 [2781, 2757, 1310, 2976, 3185, 2956, 4108, 2223, 2794, 2649, 2653, 3483].
Nunes [3122, 2566, 3712]. **nutshell**
 [3625, 1100, 3972, 3155, 2978, 2666, 3769, 4131, 3621]. **NY** [4206, 3459, 3421].
Nyiri [3218, 2822].

O [2781, 2421, 1092, 3184, 2674, 2387, 4180, 3303, 3492, 2365, 2682, 2245, 2946, 2744, 2972, 2500, 4096, 2468, 2492, 2736, 3798, 4058, 3594]. **O.E.E.C.** [69]. **O.M** [1136]. **Obituary** [796, 899, 976, 2324]. **Objectives** [237]. **Objects** [4296, 457, 4238, 3427, 2441, 3668]. **obscure** [3525]. **observation** [845, 2343, 396]. **Observational** [954, 1749, 752, 4108, 3643, 4150, 3722, 2591]. **observations** [574, 604, 1714, 1472]. **Observatory** [255, 793, 3886]. **Observer** [3035, 3160]. **observer-centric** [3160]. **Observing** [1731, 1874, 3192, 1151, 3478, 572, 2439, 2302, 2299]. **obtained** [3938]. **occasion** [3681]. **occurrence** [1596]. **occurs** [623, 637]. **occurs-symmetrical** [637]. **Ocean** [1236, 3284, 1699, 423, 482, 743, 3765, 3656, 3454]. **Oceanic** [2484]. **oceans** [1595]. **Ochkin** [2547]. **Ockendon** [2488]. **Octave** [3541]. **Odagiri** [3103]. **Odd** [3262]. **Odelin** [2921]. **O'Donnell** [3552]. **Odyssey** [3516, 4030]. **Oertzen** [1069]. **off** [800]. **off-centre** [800]. **Office** [89, 277, 413]. **Offworld** [2449]. **OH** [3203]. **Ohanian** [3437, 3153]. **Ohlsson** [2801]. **Ohtsu** [3353, 2378]. **Ohya** [2945]. **Oil** [808, 914, 2789]. **Okubo** [3409]. **Okun** [2989]. **Olaf** [3104]. **Olafsen** [2616]. **Old** [2690, 3443, 2216, 1917, 4316]. **Ole** [3338]. **O'Leary** [2512, 2590]. **Oleg** [4231]. **Olfaction** [2602]. **Olindo** [3278]. **Oliphant** [662]. **Oliveira** [2561]. **Oliver** [3618, 2845]. **Olivier** [2887, 3213]. **Ollivier** [2476]. **Olmes** [3623]. **Olshanii** [3311]. **Olver** [2632]. **O'Meara** [2439, 3192, 3668]. **on-orbit** [3886]. **Once** [2008, 1543, 1183]. **Oncology** [2876]. **One** [1672, 4303, 2316, 1292, 3953, 2021, 4155, 237, 245, 3532, 4166, 3314, 3876]. **one-body** [4166]. **One-Dimensional** [2316, 1292]. **oneness** [3227]. **Ong** [2850]. **ongoing** [3327]. **Online** [4142]. **Onofrio** [3634]. **ontology** [3811]. **open** [4139, 2085, 89, 195, 242, 256, 262, 265, 278, 277, 365, 334, 406, 713]. **Opening** [77]. **operation** [201]. **Operational** [801, 792, 1091]. **operative** [740, 1249]. **operator** [2446]. **Operators** [2370]. **ophthalmic** [4032]. **Oppenheimer** [1092, 3102, 1092, 4292, 4308, 3102, 2191]. **Opponents** [3363]. **Opportunities** [1905, 3267, 3418, 3331, 3465, 4186]. **optic** [909, 683, 3362, 1191, 3862]. **Optical** [54, 937, 1191, 2614, 2555, 3022, 1820, 2828, 3116, 4103, 2636, 4269, 2085, 3083, 3105, 3165, 2541, 1385, 3407, 1326, 2107, 772, 2820, 1170, 2327, 470, 3424, 1831, 2288, 2005, 3145, 2273, 1438, 2624, 1517, 258, 2725, 2378, 2804, 3434, 2470, 1922, 2486, 3629, 2217, 3328, 3159, 2446, 3496, 831, 236, 1486, 1594, 438, 3697, 1606, 2055, 1079, 1635, 3482, 3504, 3745, 1272, 4309, 2326, 1817, 1516, 2667, 2485, 4183, 2791, 4006, 2703, 3367, 2998, 3634, 3156, 2717, 2557, 2804, 3673, 3743, 2598, 2787]. **Optically** [818, 3293, 4236, 2783]. **Optically-detected** [818]. **Optics** [2686, 96, 4323, 3323, 2887, 3145, 2835, 2378, 2719, 2888, 3441, 2723, 310, 1634, 3326, 3953, 2067, 2128, 4202, 4232, 3290, 3619, 3772, 4139, 3365, 4000, 3353, 3499, 2233, 4193, 1979, 1399, 3130, 963, 3770, 2571, 1813, 1959, 3582, 3864, 1743, 2069, 3391, 3537, 3536, 3555, 1193, 2454, 3775, 745, 1516, 3388, 2015, 3746, 3368, 2385, 3011, 3036, 2678, 3262, 3019, 1140, 2627, 2805, 2589, 2638, 2398, 2388, 3397, 2752, 3796, 3522, 4032, 3661, 3682, 4020, 4170, 3565,

3534, 3611, 3701, 4092, 2800, 3953]. **optimal** [2235]. **Optimisation** [2784]. **Optimization** [2170, 2685, 2757, 2743, 2739]. **option** [4010]. **opto** [771]. **opto-electronics** [771]. **optoacoustic** [933]. **Optochemical** [3179]. **Optoelectronic** [2567, 2660]. **Optoelectronics** [1727, 4323, 2372, 3145, 3441, 2538]. **Optogalvanic** [1056]. **Optomechanical** [3165]. **Optomechanics** [3165, 3293, 3567]. **Opus** [2553]. **Orazi** [3784]. **Orbit** [2526, 4119, 3886, 59, 1560]. **Orbital** [2629, 2966]. **orbits** [102, 1190]. **Order** [2897, 4288, 2493, 1562, 782, 4149, 1129, 13, 61, 133, 4175, 2614, 3139, 3298]. **ordered** [935]. **ordering** [1441, 665]. **orders** [3926]. **ordinary** [2549]. **Organic** [824, 2795, 1139, 3632, 3888, 1993, 4252, 2909]. **Organised** [3070]. **organisms** [1249]. **organization** [358, 4]. **organizations** [2025]. **Organized** [2461, 2998]. **Origin** [1501, 2539, 1460, 2575, 2826, 710, 2252, 1623, 3801, 134, 2251, 3597, 218, 345, 2165, 2335, 4123]. **Origins** [2565, 2970, 3129, 1340, 3423, 792, 3844, 2473]. **Orio** [3075]. **Oriols** [3047]. **Oriti** [2431]. **Orloff** [2388]. **Ortiz** [2729]. **oscillating** [817]. **oscillation** [2120]. **Oscillations** [3007, 3272, 1152, 1956, 398, 3543, 3476, 3199]. **Oscillators** [3024, 3820, 3466, 2060]. **Oscillatory** [2325, 3476]. **Ostoja** [4061, 2410]. **Ostoja-Starzewski** [4061, 2410]. **Otaniemi** [834]. **Other** [2491, 4263, 2774, 3403, 2509, 3448, 2675, 3828, 3918, 1879, 2519, 2096, 3358]. **Otmar** [2973]. **Ott** [2858, 3348]. **Öttinger** [4072]. **Otto** [3482]. **Our** [3308, 3302, 3405, 3136, 4311, 2970, 3378, 4314, 3333, 810, 3290, 3869, 1799, 2211, 3400, 4037, 3423, 4200, 4303, 3702, 3876, 3958, 2814, 3085]. **Ours** [3415]. **Outline** [3375, 2560]. **outlook** [4108]. **Overdamping** [2179]. **Overduin** [4121, 2450]. **overview** [2296, 2486, 2184, 2054, 2268, 3206, 2231, 2326, 3792, 2921, 2267]. **Owen** [3651]. **Owens** [3013]. **own** [2228]. **Oxford** [4016, 4137, 4082, 4038, 4000, 3091, 3748, 4073, 4027, 4100, 3142, 2057, 4178, 4198, 4156, 4203, 4162, 4025, 4043, 4041, 3459, 4187, 3312, 4097, 4017, 3026, 4158, 2455, 4199, 3505, 4064, 3147, 4109, 4175, 1459, 1217, 1225, 819, 2871]. **oxide** [4242, 4180]. **Oxides** [2774]. **Ozima** [2982]. **Ozin** [2529]. **Ozone** [178, 3520, 1788, 3520]. **ozone-** [1788].

P [3807, 3520, 3741, 3790, 3774, 4225, 3559, 2296, 3796, 3699, 3700, 4038, 4000, 3710, 3656, 2795, 2727, 3412, 2057, 3538, 2988, 3628, 3212, 3193, 2872, 3758, 4248, 2301, 1092, 4026, 4148, 4198, 3809, 4259, 2302, 2429, 3054, 3999, 4008, 3341, 3669, 3576, 3689, 4037, 4040, 4015, 2289, 3661, 2820, 2333, 2396, 2724, 2898, 2300, 4097, 2435, 2623, 2351, 2881, 3768, 2512, 3653, 4200, 4151, 4205, 3065, 2689, 2873, 2914, 2818, 2869, 4121, 3683, 3735, 4020, 2676, 3239, 3414, 3803, 2608, 2629, 3141, 3567, 3788, 2501, 2370, 2488, 3713, 2822, 2454, 2599, 2453, 2710, 2970, 3069, 3535, 3684]. **P** [4175, 3039, 3519, 3685, 2358, 2420, 2450]. **P.** [694, 1359, 2527, 2596]. **pack** [3988, 4279]. **packet** [1994]. **packets** [1518, 1541]. **Packing** [2334]. **Padgett** [2598]. **Padmanabhan** [2617]. **Paech** [3066]. **Page** [2435, 4201]. **pages**

[4210, 4052, 4146, 4169, 4170]. **Paget** [796]. **pair** [4050, 376]. **Pairing** [2330]. **pairs** [2055, 1073]. **Pais** [1165]. **Palmer** [3790]. **Pankaj** [3477]. **Panofsky** [2257]. **Panos** [4244]. **Panton** [3429]. **Paola** [3375]. **Paolo** [3711, 3207, 3004, 2833, 4145]. **Papen** [4060]. **paper** [3463, 133]. **Paperback** [4085, 4105, 4054, 4132, 4016, 4211, 4140, 4206, 3425, 4073, 4182, 4184, 4191, 4113, 4183, 4084, 4190, 4156, 4025, 4046, 4024, 4097, 3423, 4112, 4114, 4115, 4160, 4151, 4218, 4022, 4053, 4070, 4167, 3337, 4095, 4065, 4086, 4216, 4034, 4059, 4175, 4258, 4111, 2041, 2908]. **paperback/hardback** [4140]. **Papers** [291, 380, 2387, 3551, 739, 1272, 3490]. **Paradigm** [2403, 3279, 3359, 3078]. **paradigm-shift** [3078]. **paradigms** [1907, 2685]. **Paradox** [1808, 4272, 3780, 4195, 1880, 4003]. **Paradoxes** [4312, 1907, 1967, 3815, 2964, 3845]. **paradoxical** [2088]. **parallel** [1365, 1371, 942, 1591]. **Paramagnetic** [3026, 347]. **Parameter** [4053]. **parameters** [1677, 1480, 4175]. **parametric** [3822]. **Parasuraman** [3653]. **paraxial** [745]. **Pareto** [2142]. **Paris** [366]. **Parisi** [4210, 3282]. **parity** [2446]. **Park** [334, 4265, 2772]. **Parker** [2524, 3716, 2520]. **Parliament** [293, 292]. **Part** [2241, 1466, 1472, 3366, 2682, 175, 1365, 1371, 1241, 1247, 1045, 1053, 999, 1008, 245, 359, 369, 401, 1171, 847, 857, 558, 559, 699, 150, 1622, 1217, 1225, 1422, 1427, 21, 32, 360, 370, 132, 153, 237, 386, 204, 210, 322, 651, 11, 34, 698, 1278, 1282]. **Partha** [3608]. **Partial** [2543, 2653]. **Particle** [3350, 604, 3017, 3237, 3349, 4321, 3317, 2489, 1902, 3382, 1108, 2881, 3216, 1097, 2258, 2744, 2855, 1959, 2595, 3465, 299, 2390, 2631, 2758, 2388, 141, 4211, 3509, 3250, 1469, 1875, 4045, 3913, 4028, 4155, 1229, 3547, 1542, 1770, 2366, 2024, 1001, 3754, 2519, 1255, 354, 2244, 1064, 2243, 3510, 2959, 552, 2647, 1214, 3863, 3731, 3667, 3818, 3847, 1481, 3593, 1054, 1734, 2986, 2564, 2662, 2257, 3442, 4173, 4158, 3218, 3613, 2630]. **particle-physics-and-nuclear-physics** [4211]. **Particles** [113, 1318, 3381, 1488, 2771, 3382, 3015, 2744, 2938, 3191, 2569, 416, 927, 296, 2480, 951, 3801, 3787, 197, 4087, 2148, 4121, 4075, 267, 46, 2240, 1948, 1380, 478, 22, 2497, 3053, 2608, 2239, 3656, 4018]. **particular** [1068]. **Partridge** [2435]. **parts** [2886, 2371]. **party** [4192]. **Pasachoff** [3215, 3400]. **Pascal** [2920]. **Paschos** [2685, 2743, 2739]. **Pask** [3270]. **Pasquale** [3207]. **Passion** [2849]. **Past** [3399, 667, 2211, 1302, 4303, 2031, 3876]. **Pastor** [3074]. **Patents** [3006]. **Pater** [3238]. **Path** [1402, 2995, 2291, 3931, 3123, 3527]. **Pathria** [2676]. **Paths** [3075]. **Patrick** [3503, 3702]. **Pattern** [2485, 3360, 1422, 1427, 212]. **Pattern-formation** [3360]. **patterning** [1622]. **Patterns** [2116, 1782, 3462, 2016, 4299, 2259, 1199, 2260]. **Paul** [3480, 2491, 3425, 3095, 2672, 3373, 3092, 2678, 3283, 2464, 3529, 3129, 4168, 2103]. **Pauli** [2057, 4322, 356, 2057]. **Pauline** [3731]. **Paulo** [3507]. **Pavel** [2619]. **Pavesi** [2396, 3481]. **pbk** [4156, 4203]. **PDEs** [3311]. **Peaceful** [820, 3794]. **Pearce** [2419, 2376]. **Pécseli** [3272]. **Pedrero** [4032]. **Peebles** [2435, 4200, 4151, 4205]. **Pei** [3071]. **Peierls** [2241, 1711]. **Peiponen** [2804]. **Pelant** [2878]. **Peletier** [4099]. **Pellonpää** [3710]. **Pelton** [3275]. **Peña** [1844]. **Pendry** [2269]. **pendulum** [2060, 2331]. **Penning** [2339, 737].

Penrose [3220, 3636]. **pentaquarks** [2159]. **people** [765, 1973, 3800].
perception [4165, 3653, 775, 139]. **percolating** [2025]. **Percolation**
 [1430, 1036, 1037, 1511]. **Percolation-type** [1430]. **Peregrinations** [3681].
Pereira [2909]. **Peres** [3628]. **Perez** [3240, 4118]. **Perfect** [2334, 3700, 3949].
performance [2031]. **Perini** [3646]. **periodic** [3758, 725]. **Perkins** [2491].
permanent [407]. **permeability** [1309]. **permissiveness** [1123]. **Perot**
 [3862, 657]. **perovskite** [4246]. **Perovskites** [2774]. **Perry** [4139, 3119, 3027].
person [2353]. **Personal** [2906, 1117, 3524]. **Personalities** [3128].
Perspective [3163, 3470, 2959, 801, 4013, 3470, 2979, 3049, 4253, 3508, 3831].
Perspectives [4154, 2607, 3281, 3784, 4186, 3950, 3220, 4299, 4067, 3320,
 2379, 2750, 4166, 2926, 2294, 3269, 2499, 3462]. **Perturbation** [2539, 4110].
Perturbations [2815]. **Perturbative** [2609, 3125, 2831, 2622]. **Pervasive**
 [3686]. **Peskov** [3204]. **Peter**
 [3670, 3368, 2829, 3619, 3029, 2696, 2941, 4248, 2766, 2792, 1092, 3309, 3552,
 3631, 3099, 3088, 3143, 3084, 3589, 4224, 3248, 3604, 2888, 3191, 3598, 1040].
Pethick [2436]. **Petit** [3500]. **Petkov** [4191]. **Petley** [2247]. **Petrini** [4070].
petroleum [914]. **Petrov** [4110, 3593]. **Petry** [3575]. **Pfeffer** [3110]. **Ph.D.**
 [2351, 2461, 2354, 2743, 2739, 2894]. **Ph.D.s** [3057, 3016]. **Phaenomena**
 [3044]. **Phase** [2819, 3296, 4275, 1824, 4283, 1366, 3230, 3466, 1429, 2729,
 2728, 1737, 2195, 1204, 3539, 3644, 3820, 1805, 1189, 1964, 3920, 4098, 1529,
 2482, 2362, 3812, 2209, 907, 2224, 4055, 3280, 3452]. **phases**
 [1898, 730, 3903, 1894, 3900]. **Phenomena** [3301, 2715, 3118, 3303, 2971,
 2833, 2628, 3379, 2137, 2573, 2079, 1242, 1179, 2085, 578, 466, 1357, 1249,
 2466, 302, 521, 3435, 2333, 2729, 2442, 4072, 3623, 3610]. **Phenomenology**
 [3376, 4177]. **phenomenon** [1912, 494, 2393]. **Phil** [4215]. **Philip**
 [2838, 3669, 2886, 3253, 2449, 3634, 3372]. **Philippe** [3002]. **Phillip** [3059].
Phillips [2295, 2873, 2500, 2720]. **philosopher** [785, 2508]. **philosophers**
 [2459]. **Philosophical** [2856, 3320, 2535, 2957, 179, 3914]. **Philosophy** [3091,
 3969, 3300, 4127, 932, 1899, 2506, 2435, 3664, 2498, 2581, 3759, 2981, 2451].
Phonon [1161]. **phonons** [4259, 3742]. **phony** [2206]. **phosphine** [4237].
Photinos [4244]. **Photo** [3728]. **Photo-induced** [3728]. **Photocathodes**
 [2031]. **Photochromism** [991]. **Photodetectors** [2775]. **Photoelectric**
 [1372]. **photoelectricity** [377]. **Photoelectron** [692, 1295, 1204].
photoexcited [432]. **Photographic** [3066, 385]. **photographs** [2417].
photography [1176, 4144]. **Photoionisation** [3467]. **photometry** [3737].
photomultiplier [3771]. **Photon**
 [2465, 2723, 361, 2246, 989, 2381, 4160, 2245, 4152, 2132, 2055, 3338].
Photonic [2102, 2341, 3548, 2300, 3440, 2320, 1635]. **Photonics**
 [3297, 2932, 2671, 3140, 3141, 2486, 3496, 3960, 2320, 3104, 2372, 2888, 3499,
 3481, 3483, 3369, 3912, 3391, 3941]. **Photons**
 [3318, 3393, 2211, 2355, 3015, 2629, 2326, 4106, 3609, 580, 3198, 3558].
Photostimulated [900]. **photovoltaics** [4246]. **Phua**
 [3412, 4098, 3681, 2846]. **Phuan** [2850]. **Phyl** [3038]. **phylogeny** [3681].
physic [3739]. **Physical**

[97, 143, 158, 468, 554, 2335, 3320, 2853, 3212, 3193, 3444, 38, 298, 2604, 2901, 3422, 308, 14, 2353, 4124, 2623, 3026, 235, 2518, 605, 2818, 3248, 442, 2837, 3188, 2976, 142, 364, 365, 36, 2654, 2554, 3174, 106, 76, 37, 39, 3719, 687, 3828, 3554, 874, 162, 4084, 360, 370, 4148, 3808, 3755, 201, 3936, 3120, 30, 475, 3587, 3432, 4205, 2208, 4189, 195, 219, 256, 262, 265, 406, 2960, 776, 231, 79, 74, 40, 51, 177, 3809, 3205, 2746, 3950, 3231, 3500, 4077, 3170]. **physically** [1989].

Physicist [3167, 2867, 2532, 2311, 2508, 732, 4030, 1801, 2959, 72, 185, 3942].

Physicists [1265, 27, 41, 109, 3830, 3974, 2459, 2189, 3994, 2674, 2134, 2402, 2363, 2519, 2351, 2461, 2474, 2476, 2616, 2525, 3487, 2647, 2518, 389, 2472, 2487, 3603, 4188, 4070, 3505, 3633, 3073, 2754, 2790, 2594, 3347, 2758, 3480, 3625, 4056, 3409, 3922, 4167, 3304]. **physicists/computational** [2487].

Physics [2921, 150, 175, 3122, 3157, 3393, 3468, 97, 143, 151, 158, 3052, 2025, 2462, 2788, 4261, 4262, 2926, 2989, 3201, 4179, 1754, 75, 554, 3458, 3301, 2767, 2851, 3107, 2868, 307, 1365, 1371, 4318, 372, 3116, 53, 2615, 2658, 2578, 2662, 2742, 2904, 2981, 3089, 3261, 3425, 2082, 2293, 248, 3839, 2866, 2942, 2801, 1552, 4061, 3442, 4320, 4240, 3144, 4271, 2735, 2937, 2872, 3342, 2792, 3245, 968, 2533, 232, 2655, 2806, 4190, 2171, 2625, 2777, 1924, 4282, 1175, 1291, 3266, 3364, 3435, 3422, 1965, 2457, 2489, 2674, 2706, 2519, 3163, 3253, 3335, 3405, 1600, 2306, 1104, 2303, 3071]. **Physics** [2891, 308, 3421, 1565, 4124, 2691, 2889, 747, 3208, 3206, 4114, 2497, 2899, 2455, 4200, 4151, 4205, 4224, 117, 3299, 499, 605, 3216, 3218, 3305, 2796, 2744, 2818, 3238, 3103, 2460, 3240, 1960, 2332, 2472, 2432, 2595, 4300, 4201, 4301, 2760, 3063, 685, 2581, 3109, 3256, 3314, 2520, 2705, 2722, 2535, 3064, 3603, 823, 2322, 2390, 3337, 2719, 3410, 2582, 713, 1894, 493, 2442, 2987, 2631, 2758, 1849, 2400, 2368, 4305, 3032, 2669, 2599, 2646, 3110, 3260, 3338, 2319, 2285, 4313, 2469, 2041, 2915, 2967, 1395, 2358, 3807, 1913, 78, 270, 379, 417, 4211, 3885, 479, 2304]. **physics** [1750, 416, 3509, 675, 701, 2281, 2221, 2181, 3974, 4232, 3971, 1796, 1402, 1169, 3934, 2339, 1862, 1236, 2411, 2602, 179, 487, 1875, 249, 1011, 296, 1453, 2196, 2279, 3462, 3677, 3875, 4045, 3969, 4127, 1980, 1880, 1270, 1405, 2212, 3585, 1074, 1276, 778, 409, 992, 1589, 590, 452, 4209, 2749, 3889, 223, 2329, 3591, 16, 3502, 2406, 784, 1019, 1229, 717, 225, 3856, 1258, 51, 177, 4280, 1218, 707, 3616, 3960, 4130, 4162, 4259, 2077, 317, 2109, 1770, 2366, 1381, 1573, 237, 245, 1767, 3686, 4196, 384, 764, 1279, 1717, 3627, 3752, 3824, 4047, 2129, 193, 2143, 2201].

physics [2548, 2886, 1583, 1255, 1902, 3331, 316, 3160, 4287, 3540, 1064, 1885, 441, 485, 1108, 4107, 399, 1171, 192, 2167, 797, 2103, 526, 568, 619, 4214, 1660, 4112, 4159, 4160, 3008, 93, 3972, 1664, 843, 3952, 2647, 2543, 3356, 3849, 290, 3712, 3220, 863, 988, 1160, 154, 964, 854, 1943, 1969, 1959, 716, 2183, 3465, 2700, 4299, 393, 4244, 3572, 3584, 3836, 3959, 3917, 3949, 1812, 1214, 3636, 3967, 1797, 601, 746, 3613, 3731, 137, 3690, 3476, 3681, 3864, 3831, 3929, 4255, 4208, 4219, 264, 364, 4166, 3760, 529, 1099, 1480, 2157, 2236, 4095, 94, 1678, 3596].

physics [3528, 3871, 4086, 4147, 4171, 1363, 120, 1918, 4034, 955, 228, 66, 1973, 2683, 2554, 2831, 3336, 3357, 1014, 1544, 3242, 3568, 3556, 3484, 3847, 3775, 3850, 3997, 4116, 4172, 4145, 4258, 1704, 1667, 3389, 3593, 1817, 76,

4229, 1146, 1734, 1284, 2173, 39, 1936, 3680, 2238, 27, 2751, 4184, 4321, 2765, 4124, 2501, 2809, 2374, 2491, 3124, 3072, 2356, 2679, 3091, 3017, 3133, 3237, 3171, 4184, 2509, 2842, 2838, 3092, 2639, 2999, 3117, 2294, 2537, 3181, 3279, 3054, 2850, 3315, 3317, 2918, 3381, 3431, 2396, 2562, 3121, 2523, 2616, 2881, 3271, 2873, 2914, 2855, 3012, 3119, 3132]. **Physics** [2510, 2511, 2314, 2701, 2910, 2913, 2401, 2370, 2619, 2669, 2599, 2475, 2885, 2827, 3021, 3593, 4149, 3986, 4211, 4225, 3719, 3491, 3485, 4009, 3748, 4028, 4191, 4061, 3507, 112, 4138, 3784, 4001, 4024, 3576, 3754, 3312, 4117, 3973, 3718, 4201, 3704, 4096, 3595, 3667, 3818, 3916, 4176, 3688, 4185, 675, 3706, 3308, 2747, 2639, 4084, 4198, 2394, 4068, 2996, 3309, 3957, 3233, 3492, 3399, 3487, 2890, 2971, 2472, 2876, 4144, 2588, 3529, 2723, 2417, 3713, 2559, 2710, 3892, 2920, 1146, 3799, 8, 3946, 3901, 3873, 3913, 3883, 3874, 3882, 3950, 160, 3880, 3864, 3837, 2894, 3829]. **physics/ideas** [4211]. **physique** [366]. **Pian.** [3039]. **Pickering** [4202]. **Picoscience** [3307]. **pictorialism** [2328]. **picture** [2519]. **Pieper** [4218]. **Pier** [2954, 4145]. **Pier-Giorgio** [2954]. **Pierce** [2294]. **Pierfrancesco** [4210]. **Pierluigi** [3269]. **Pierre** [3446, 3487, 3500, 3172, 4064, 2610, 2977]. **Pierre-Gilles** [2977]. **Pierre-Louis** [3172]. **Pierre-Yves** [2610]. **Pierrus** [2781]. **Pieter** [2636]. **Ping** [2905]. **pinning** [748]. **Pinter** [4149]. **pion** [1481]. **Pioneer** [3111, 2186]. **pions** [4164]. **Pisanti** [2674]. **Pivato** [2543]. **pixellated** [2039]. **place** [4037, 48, 393]. **Placzek** [4030]. **Plagnol** [3792]. **plain** [1510, 1535, 2430, 3645, 1588]. **Planck** [2893, 4321, 4041, 3687, 2195]. **plane** [4231]. **planet** [3993, 4150, 4303, 3876]. **Planetary** [1021, 3100, 2839, 3238, 2618, 666, 1074, 717, 2603, 3891, 337, 2166, 3737, 4039, 3394, 4150, 2476, 3234, 2826, 3129, 3897]. **Planetesimals** [3689]. **Planetodiversity** [2166]. **planetology** [1157]. **Planets** [3456, 3415, 3100, 3234, 2839, 3334, 2166, 4302, 2575, 1083, 2397, 2898, 2476, 3689]. **Planning** [2626, 74]. **Plant** [2910]. **Plasma** [2756, 3298, 3072, 20, 384, 466, 589, 2818, 2967, 3644, 1522, 1589, 707, 193, 234, 4125, 3693, 124, 2313, 2547, 2293, 3276, 3556, 3850]. **Plasmas** [1198, 2652, 1406, 1047, 3864, 2818, 3272, 2920, 3850, 3978]. **Plasmon** [3408]. **Plasmon-Enhanced** [3408]. **plasmonic** [3696, 3530, 2879]. **plasmonics** [2273, 3275, 3628]. **plasmons** [1517]. **Plastic** [2627, 3147, 3544]. **Plasticity** [3154]. **plate** [525]. **Play** [2933, 3477, 1843]. **players** [2474]. **playground** [765]. **playing** [1684, 2397]. **plenty** [1263, 2264, 2733, 2263]. **Plenum** [555]. **plethora** [2814]. **Plévert** [2977]. **Pluchino** [3997]. **Plumes** [3298]. **plutonium** [850]. **pocket** [807]. **Podolský** [2718]. **poetry** [2578]. **Poets** [2691]. **Poincaré** [3490, 2861]. **Poinern** [3488]. **point** [584, 420, 3516, 972, 521]. **points** [8, 848, 262]. **Pokrovskii** [4249, 2806]. **Polarisation** [2584]. **polarised** [3251]. **polariton** [2516]. **Polarization** [2309, 2429]. **Polarized** [524, 2094, 1862, 260]. **polaron** [1494]. **Polarons** [3169]. **pole** [944]. **polemic** [3575]. **Policy** [3031, 740, 391]. **Politically** [1989]. **politicians** [3206]. **Politics** [3128, 2367, 3226]. **pollution** [639, 868, 936]. **Polyakov** [4029]. **polyatomic** [989]. **Polycrystalline** [1311].

Polymer [2806, 1350, 567, 4235, 1449, 2767, 2927]. **Polymeric** [754, 450].
polymers [1430, 1268, 1370, 564, 1269, 979, 1407, 544, 3116, 2344, 2443, 2319].
polywater [594]. **Pomeranchuk** [723]. **Poon** [2787]. **Popov** [2942]. **Popp**
 [3246]. **Popper** [1153, 1181]. **Popular**
 [1770, 2439, 2392, 2397, 2371, 2380, 2581, 3197, 2534]. **popularizer** [1968].
population [1988]. **Populations** [2626]. **Porous** [3402]. **Portable** [2430].
Porter [2726]. **Portolan** [3659]. **position** [752, 1658]. **positions** [631].
Positron [1495, 2030, 1340, 2336, 1064]. **positronics** [1981]. **positrons** [659].
possibility [4237, 3086]. **possible** [919, 2294, 1596]. **post**
 [2659, 3057, 2993, 3016, 3394, 2859, 89, 277]. **post-docs** [3057, 2993, 3016].
post-equinox [3394]. **post-graduate** [2659, 2859]. **postdoctoral**
 [2330, 2395]. **Postgraduate** [3035, 2887, 3178, 4120, 4078, 4060, 4106, 2686,
 2883, 3157, 3395, 3318, 3368, 3211, 3333, 41, 3052, 3350, 2433, 2502, 2788,
 2414, 2346, 2786, 3061, 3073, 3480, 3498, 3098, 3201, 2667, 3509, 2374, 4241,
 4217, 2614, 2555, 3022, 3180, 3506, 4202, 2897, 2819, 3301, 3097, 2840, 3107,
 2593, 2949, 3011, 3365, 2830, 2403, 2334, 3029, 3124, 2966, 3485, 2544, 3376,
 4231, 2795, 3116, 3384, 2615, 2564, 2662, 3091, 3017, 3037, 3133, 3237, 3412,
 3383, 4182, 4184, 2320, 2347, 2757, 3349, 3137, 4113, 3038, 3095, 3247, 4118,
 2995, 4061, 3442, 3123, 3296, 2823, 3023, 3396, 2838, 2836, 2853].
postgraduate [2785, 3104, 3275, 3194, 3179, 3353, 3408, 3499, 3493, 3488,
 4183, 4240, 3076, 3144, 2696, 3207, 2621, 3168, 2735, 2790, 2872, 2755, 3448,
 4248, 2766, 2792, 2878, 2847, 3105, 3245, 3257, 2791, 2841, 2541, 3040, 2999,
 2561, 2687, 2845, 3036, 4072, 4052, 4178, 4190, 4198, 4252, 2529, 2777, 2794,
 3118, 2965, 3279, 3280, 3343, 3344, 3494, 3501, 3450, 3452, 3451, 4204, 4203,
 4257, 2702, 2693, 2660, 2800, 3054, 3204, 3407, 2601, 3126, 2979, 3205, 4085,
 4108, 4068, 3184, 4242, 3321, 4250, 2726, 3081, 3377, 3435, 3437, 2313, 3099,
 2330, 2348, 2402, 2678, 2538, 2820, 2783, 2746, 3046, 3224, 3196, 3369, 3270].
postgraduate [2612, 3431, 3143, 3233, 3258, 3366, 3429, 2670, 3374, 3024,
 2771, 3050, 2898, 4165, 3169, 3303, 3398, 3492, 2524, 2716, 3128, 3497, 3382,
 3108, 3269, 3080, 3005, 2808, 4157, 3230, 3210, 3345, 3446, 4186, 2623, 2539,
 2476, 2616, 2525, 2902, 3187, 3182, 3340, 3423, 2682, 2526, 3026, 3003, 3424,
 3189, 3511, 2680, 3015, 2692, 2950, 2797, 3162, 3447, 3208, 3206, 2466, 2594,
 3140, 3058, 3367, 2395, 2455, 2685, 2803, 2946, 3084, 3145, 2998, 3232, 3307,
 3449, 4200, 4205, 3049, 3231, 3234, 3065, 2622, 3430, 3310, 2839, 2873, 2914,
 2855, 3090, 3166, 3316, 2652, 3272, 3103, 3311]. **postgraduate**
 [555, 2651, 2332, 2784, 2712, 3127, 3033, 3012, 4122, 4197, 3213, 3214, 2415,
 2595, 3094, 3332, 2780, 2624, 2835, 2874, 2837, 2834, 2760, 2750, 2880, 3062,
 3119, 2997, 3063, 3172, 3409, 4054, 4083, 4189, 3156, 2393, 2974, 3413, 3490,
 2436, 2657, 2676, 2909, 2728, 2782, 2846, 3028, 3256, 3347, 2441, 2440, 3402,
 2389, 2410, 2546, 2535, 2695, 3414, 3476, 3489, 4071, 4255, 4219, 4077, 4166,
 4167, 2759, 3138, 3346, 2725, 4199, 2322, 2310, 2314, 2390, 2701, 2896, 3461,
 4253, 2592, 2719, 2720, 2804, 2888, 2805, 3148, 3146, 3141, 3265, 3391, 3482,
 4063, 4220, 2531, 4174]. **postgraduate** [2718, 2978, 4216, 2442, 3286, 2987,
 2349, 2540, 2530, 2951, 2758, 2947, 2409, 2619, 3191, 3185, 3278, 3508, 3136,

3147, 2807, 2826, 2654, 2536, 2665, 2666, 2470, 2832, 3411, 3338, 3306, 3475, 3495, 4058, 4116, 4215, 4175, 3039, 3067, 4111, 4185, 4168, 2344, 2752, 2882, 2852, 2769, 2704, 4055, 4177, 4251, 4162, 4164, 4053, 4070]. **postgraduate**. [4081, 4080]. **postgraduate/research** [2414]. **postgraduate/specialist** [2433, 3039]. **postgraduates** [2921, 2936, 2911, 2865, 2293, 2866, 2939, 2931, 2941, 2907, 2494, 3004, 3496, 2954, 2737, 3113, 2387, 2340, 2333, 2300, 2523, 2889, 3186, 3457, 3487, 3460, 3432, 2935, 2815, 2924, 2943, 2833, 2468, 2501, 3474, 2915, 2920, 2967, 2919]. **postgraduates/specialists/advanced** [2387]. **postgraduation** [2432]. **postscript** [1153, 1181]. **potential** [1486, 4090, 853, 2031]. **Potter** [4183, 2430]. **Potvliege** [2949]. **Pötzsche** [3340]. **Pouliquen** [3213]. **powder** [744]. **powders** [1571]. **Power** [1082, 4273, 2142, 107, 925, 201, 3459, 972, 638, 738, 1336, 2175]. **Powers** [3796, 3379]. **Pozrikidis** [2997]. **Pp** [554, 662, 291, 2082, 2057, 112, 555, 869, 4132, 4120, 4078, 4060, 4106, 4010, 4016, 4062, 4110, 4225, 4082, 4241, 4217, 4202, 4232, 4135, 4140, 4139, 4254, 4038, 4000, 4032, 4009, 4056, 4055, 4206, 4035, 4231, 3425, 4005, 4045, 4018, 4028, 4073, 4123, 4069, 4154, 4182, 4177, 4184, 4191, 4221, 4027, 4100, 4113, 4118, 4061, 4143, 4183, 3102, 4030, 4084, 4155, 4248, 4251, 4138, 4026, 4072, 4178, 4190, 4148, 4198, 2191, 4163, 4252, 4006, 4021, 4204, 4130, 4203, 4162, 4235, 4222, 4257, 4259, 4025, 4002, 4001, 4046, 4043, 4041, 3999, 4029, 4044, 4008, 4024, 4085, 4108, 4119]. **pp** [4098, 4196, 4141, 4242, 4250, 3459, 4031, 4037, 4047, 3993, 4040, 3994, 4048, 3957, 4042, 4003, 4015, 4091, 4187, 3998, 4165, 3421, 4097, 4107, 4157, 4150, 4186, 3423, 4007, 4017, 4112, 4115, 4117, 4159, 4161, 4158, 4160, 4099, 4093, 4200, 4151, 4205, 4224, 4164, 4019, 4121, 4131, 4197, 4244, 4218, 4249, 4020, 4022, 4036, 4054, 4083, 4053, 4080, 4079, 4234, 4144, 3996, 3995, 4071, 4129, 4255, 4208, 4188, 4219, 4070, 4066, 4077, 4167, 4199, 4260, 3337, 4095, 4096, 4094, 4253, 4065, 4064, 4063, 4220, 4086, 4092, 4142, 4147, 4171, 4174, 4216, 4034, 4059, 4109, 4004, 4039, 3956]. **pp** [4033, 3997, 4023, 4058, 4116, 4067, 4172, 4136, 4207, 4176, 4215, 4233, 4145, 4258, 4111, 4185, 4168, 834, 4243, 4256]. **Practical** [211, 3076, 3105, 2680, 3216, 3006, 2487, 3127, 2807, 3397, 3509, 3577, 3517, 4122, 3568, 4132, 3755, 3697]. **Practice** [2585, 209, 259, 2474, 3064, 3685]. **practicing** [2464]. **practising** [2309, 2465, 2671, 2584, 3140]. **Practitioner** [1968, 3959]. **practitioners** [2743, 2739, 2803, 2787]. **Pradhan** [2788]. **Pradisi** [4070]. **pragmatists** [1445]. **Prandtl** [1422, 1427]. **Pratap** [4240]. **Pratesi** [3648]. **Pratim** [3608]. **Pravilov** [4110]. **Praxis** [4059]. **pre** [2137, 2809, 4232, 3349, 3137, 3035, 3152, 4084, 4156, 2944, 3315, 3405, 3135, 3121, 3128, 3018, 3415, 4186, 3100, 3423, 2682, 2881, 2899, 3234, 3243, 2908, 3066, 3461, 2938, 2913, 3285, 4086, 2826, 3134, 3215, 3164, 4163]. **pre-breakdown** [2137]. **pre-undergraduate** [3018]. **pre-University** [3035, 2809, 4232, 3349, 3137, 3152, 4084, 4156, 2944, 3315, 3405, 3135, 3121, 3128, 3415, 4186, 3100, 3423, 2682, 2881, 2899, 3234, 3243, 2908, 3066, 3461, 2938, 2913, 3285, 4086, 2826, 3134, 3215, 2358, 3164, 4163]. **Prebiological**

[700]. **precedence** [1827]. **Precipitation** [873, 604]. **Precise** [3150, 4267, 3245, 2339, 778, 3756, 2055, 3877]. **Precision** [4193, 4245, 2212, 2174, 1658, 3797]. **predict** [2336]. **Predicting** [1903]. **prediction** [1091, 1310, 2956]. **Predictions** [1703, 4277, 3450]. **Preecha** [3534]. **preferably** [3120]. **Prehistoric** [1175]. **Premaratne** [2820]. **Premelting** [1315]. **preparatory** [52]. **present** [3333, 667, 1903, 639, 891, 981, 4146, 1302, 3399]. **present-day** [4146]. **presentation** [4078]. **Preservation** [2803, 2211]. **Press** [4078, 4060, 4016, 4211, 4137, 4082, 584, 4217, 4135, 4038, 4000, 4032, 4009, 4210, 4035, 3425, 4005, 3945, 4045, 4073, 4182, 4177, 4184, 4027, 4100, 4061, 2057, 4143, 4084, 4248, 112, 4026, 4072, 4052, 4178, 4190, 4198, 2191, 4006, 4021, 4081, 4156, 4130, 4203, 4162, 4259, 4025, 4002, 4001, 4046, 4043, 4041, 4085, 4141, 3459, 4037, 4040, 3994, 4048, 4042, 4003, 4015, 4105, 4146, 4187, 4165, 3421, 4097, 4107, 4157, 4007, 4017, 4158, 4093, 4200, 4151, 4205, 4019, 555, 4131, 4122, 4197, 4020, 4036, 4079, 4071, 4129, 4219, 4066, 4077, 4166, 4199, 4094, 4065, 4064, 4063, 4092]. **Press** [4034, 4109, 4039, 4023, 4058, 4176, 4215, 4175, 4258, 4185, 4168]. **Pressing** [2110]. **Pressure** [3321, 4223, 375, 625, 854, 1363, 404, 1146, 1146, 3012]. **pressures** [523, 142]. **prevent** [3517]. **prevention** [823]. **Prialnik** [2737, 2621]. **Pride** [1827]. **Priest** [3878]. **Prietzhev** [2804]. **Primary** [35, 22]. **primer** [1351, 3716, 3620, 3755, 3825, 2687, 4160, 4207]. **primeval** [1847]. **Primordial** [2539, 4146, 2741]. **Princeton** [3945, 4184, 4027, 3987, 4190, 4085, 4007, 4200, 4151, 4205, 4131, 4023, 4176, 4205, 2666]. **Principia** [3270, 4128, 1150, 1190]. **Principle** [3247, 3354, 3328, 3762, 4222, 1614, 1705, 2861, 1943, 1658, 510]. **Principles** [3395, 2386, 3373, 4285, 3274, 3446, 2803, 3231, 3053, 129, 3059, 2799, 3068, 3520, 3470, 1342, 3696, 3619, 3462, 4162, 201, 3630, 3926, 3527, 4299, 4249, 3634, 4189, 738, 3526, 3814, 1642, 3568, 3174, 3799, 2566, 3080, 3953, 3585, 3036, 2930, 3983, 4203, 2954, 3975, 2678, 3421, 3058, 4205, 4121, 3536, 2638, 3701, 4092, 2736, 2967]. **Print** [4142, 4204]. **Printed** [4251]. **Printing** [4079]. **Prize** [605, 4200, 4151, 4205, 3837, 2980]. **prizes** [945]. **Probabilistic** [2634]. **Probability** [4264, 3444, 3138, 3014, 2888, 3896, 3798, 3112, 3041, 4148, 2808, 2940]. **Probe** [2126]. **probes** [337, 1035]. **Probing** [1776, 847, 857, 3320]. **Problem** [2700, 777, 2095, 2406, 684, 509, 477, 2216, 3895, 3960, 3727, 952, 4201, 4199, 12, 2117, 1118, 2664, 3881]. **Problem-based** [2700]. **problem-centred** [2117]. **problem-solving** [4201]. **Problems** [270, 3052, 2781, 2786, 2706, 3233, 3114, 2685, 2705, 1913, 3830, 2347, 639, 4084, 1279, 4187, 4114, 3952, 1627, 3593, 3633, 2518, 3031, 3747, 4053, 4258, 2987]. **ProblemSolving** [4201]. **proceeding** [3039, 3348]. **Proceedings** [3133, 4321, 3308, 2737, 415, 2467, 2322, 3039, 3267, 3593, 834, 2414, 2727, 3261, 3412, 2984, 3075, 3054, 2932, 2898, 3189, 4159, 2884, 2651, 3012, 2780, 2760, 2750, 3063, 2441, 137, 2822, 3067, 266, 3412]. **process** [1743, 2165]. **Processes** [3211, 3123, 2352, 3257, 2979, 3435, 3422, 4283, 2808, 2940, 3132,

3138, 3014, 3255, 2442, 4310, 2787, 1379, 892, 989, 1385, 1400, 3860, 711, 448, 122, 4150, 3486, 3735, 304, 347, 2931, 3065, 2556, 2654, 2536, 4189, 3449].
Processing [2975, 2766, 1177, 2107, 3548, 3351, 2055, 4216, 2147, 2636].
processive [2123]. **produced** [1047]. **producing** [1792]. **production** [4050, 3008, 212]. **professional** [2350, 2347, 2351, 2461, 2354, 389, 3228, 2888].
professionals [2889, 2877]. **professionals.** [4114]. **Professor** [3574, 1057, 4161, 766, 899, 1757, 3512, 1205]. **profile** [3856]. **program** [3776]. **programmable** [862]. **programme** [1699, 1029, 1325]. **programmes** [3206]. **programming** [3660]. **Progress** [498, 1825, 379, 417, 2296, 225, 317, 316, 636, 583, 716, 66, 2378]. **progresses** [4108]. **project** [3938, 843, 833, 3529, 869, 4171]. **projected** [1098]. **projects** [479, 3800, 2899]. **Prokof'ev** [3460]. **prologue** [801]. **Proof** [2517].
Propagation [2820, 2300, 3058, 2482, 3765]. **Properties** [2667, 420, 3116, 3165, 3450, 3894, 432, 559, 2712, 3033, 3872, 505, 2812, 1290, 3647, 4277, 260, 236, 134, 475, 438, 1211, 901, 962, 1248, 4220, 321, 1055, 3242, 4215, 124, 1464, 1722, 2792, 2774, 3535]. **proponent** [1968]. **proposal** [869].
Propulsion [2453, 671]. **prospect** [2009]. **Prospects** [1947, 3904, 1081].
Prost [2527, 2596]. **protein** [600, 630, 2189]. **proteins** [2123]. **protocols** [2235]. **Proton** [839, 1706, 115]. **Pruessner** [3070]. **Pruneau** [3808].
Prutchi [2899, 2899]. **psychological** [362]. **psychology** [941]. **PT** [3971].
Pte [4106]. **Public** [3363, 4186, 2438, 2380]. **publications** [30]. **Publishing** [4106, 4241, 4139, 4254, 4206, 4191, 4221, 4240, 4251, 4204, 4222, 4150, 4201, 4223, 4218, 4169, 4170, 4234, 4188, 4260, 4220, 4147, 4136, 4207, 4233]. **Pucci** [3408]. **Pudipeddi** [3351]. **Pudritz** [3129]. **Pugai** [3079]. **Pugh** [3372, 2302].
Puglisi [4208]. **pull** [3802]. **Pulsar** [3016]. **Pulsars** [769, 3267, 1607, 1559, 1111]. **pulse** [2731]. **Pulsed** [3373, 867, 1414]. **pulses** [2220, 1863, 2847]. **Pumped** [2783, 1528, 4236]. **pumping** [1240, 1079].
Purcell [3115, 2802]. **Puri** [4159]. **purpose** [4242]. **purposeless** [1597].
Pursuit [2334, 2894]. **Pursuits** [3399]. **put** [1378]. **Puzzle** [3128, 2764].
Puzzles [1851, 3780]. **Pyroelectric** [673]. **Python** [3577, 3936, 3660, 3351].
QCD [2622, 3329, 3516, 1964, 2831]. **QED** [4212, 1243]. **Qi** [4167, 3457].
Qing [2982]. **Qing-Zhu** [2982]. **quality** [1516]. **Quanta** [3071, 2827, 3077].
Quantics [1524]. **quantisation** [3851]. **Quantitative** [1759, 285, 2844, 4224, 3565]. **Quantization** [3217, 1257, 2419]. **Quantized** [2686, 2524]. **quants** [2047]. **Quantum** [2686, 3368, 2829, 2346, 1750, 2296, 2297, 2374, 2936, 3022, 3180, 2897, 2819, 516, 1317, 1469, 3029, 2425, 2184, 2585, 2471, 2448, 2495, 2856, 3089, 3056, 3133, 3320, 2945, 2801, 2948, 2995, 1250, 1935, 4266, 2636, 3223, 2328, 3296, 819, 2984, 3493, 2217, 3076, 2421, 2847, 3165, 1888, 2090, 2655, 2999, 2561, 2687, 2845, 1966, 1401, 325, 2286, 4281, 1899, 2601, 2979, 1692, 3190, 2235, 4284, 2348, 2678, 2746, 3046, 3163, 3287, 3405, 2054, 2268, 3374, 3906, 3024, 3034, 3303, 2431, 2716, 3399, 1066, 3114, 3108, 3401, 1171, 3230, 3210, 2371, 2483, 2525, 3189, 2234, 2692, 2797, 4087]. **Quantum**

[2933, 2864, 2899, 3966, 3972, 2946, 1030, 3125, 2694, 2681, 2744, 2875, 2935, 3045, 3090, 1693, 3311, 1813, 3086, 4298, 4300, 1606, 3949, 3991, 2677, 2521, 2846, 3239, 4236, 2759, 2055, 1140, 2069, 2805, 3265, 3048, 2723, 1394, 2540, 2951, 2947, 1630, 2398, 2370, 3217, 2645, 2444, 2492, 2822, 2277, 3549, 2665, 2656, 3260, 1464, 1844, 4229, 4268, 1263, 2264, 3763, 2170, 3250, 3506, 3974, 2138, 3785, 3971, 4139, 595, 3365, 4000, 3934, 3944, 3716, 4014, 3791, 3759, 3881, 4005, 3914, 3969, 4177, 4134, 2017, 1194, 2382, 3585, 1934, 3518, 3538, 4209, 2174, 4248, 1727, 3515]. **quantum** [2446, 1707, 2241, 3739, 2127, 1839, 3561, 4081, 875, 2577, 3513, 3915, 3925, 3975, 3920, 3999, 4068, 4196, 4141, 3477, 2133, 2176, 3517, 2107, 2338, 3331, 1979, 3548, 3469, 3510, 1387, 4051, 3227, 3825, 1807, 2263, 3417, 302, 3770, 3843, 2455, 4089, 3571, 2148, 322, 330, 2242, 616, 3546, 1840, 2040, 4075, 3545, 2698, 1303, 1793, 2266, 3736, 3833, 3917, 4022, 3811, 3863, 3704, 4066, 4166, 1743, 3330, 4199, 3225, 4095, 2179, 3482, 3838, 2194, 4216, 2361, 2147, 1262, 1786, 2265, 3336, 4013, 2326, 2454, 3782, 3857, 4145, 2014, 1988, 2160, 1691, 3600, 1835, 1737, 3794, 3157]. **Quantum** [3393, 4137, 3079, 2290, 3927, 3522, 3772, 3912, 2375, 3539, 3710, 3899, 3911, 2311, 2350, 2490, 2498, 2904, 3089, 3848, 3855, 2945, 3657, 3658, 2939, 2992, 3257, 2687, 4021, 4041, 3920, 3954, 3752, 2609, 2402, 3374, 2524, 3497, 3210, 2691, 3345, 2797, 3162, 3447, 3720, 3027, 2455, 3589, 4093, 3819, 3065, 2796, 3053, 2985, 3019, 3282, 3316, 2267, 4218, 3734, 3879, 3880, 2854, 2728, 4260, 2317, 3146, 3567, 3439, 3871, 2579, 4216, 2422, 2530, 2298, 2399, 2369, 2558, 2454, 2669, 2536, 2666, 2656, 3306, 3680, 3694]. **quantum-field** [3225]. **quark** [1679, 1189, 2756, 2313]. **quark-gluon** [1189]. **Quarks** [2159, 1318, 690, 4164, 3240]. **quartz** [2177]. **Quasi** [436, 1993, 3895, 1602]. **quasi-analytical** [3895]. **quasi-atomic** [1602]. **Quasi-stellar** [436]. **Quasi-two-dimensional** [1993]. **Quasicrystals** [1339]. **qubit** [2641]. **Quest** [2770, 3431, 2532, 3763, 4027, 4280, 4064]. **Question** [2610, 3708]. **Questioning** [2768]. **Questions** [1545, 4221, 3929, 3492, 4080]. **quicksands** [2448]. **Quiet** [250]. **Quilt** [2491]. **Quinten** [3105]. **Quips** [2827]. **Quiroga** [4032]. **Quotes** [2827].

R [3776, 4120, 4060, 1121, 3509, 2949, 4038, 2858, 4009, 3656, 3644, 2545, 2490, 3091, 3748, 3759, 4027, 2984, 3628, 2775, 3152, 3647, 2342, 3784, 2561, 2241, 3117, 2794, 3809, 1069, 2601, 4119, 2737, 3081, 3057, 3708, 3627, 3643, 3816, 3754, 3773, 3787, 3732, 4048, 4015, 2330, 2318, 2387, 2678, 3262, 3143, 2670, 2473, 2292, 2371, 2435, 2539, 3457, 1100, 3078, 4159, 2263, 2245, 2899, 3653, 3589, 4099, 3430, 2903, 3000, 3090, 3749, 56, 2449, 3127, 2835, 2750, 3736, 4022, 4053, 2676, 3183, 3132, 3613, 2416, 3777, 2725, 1140, 2557, 2322, 2310, 2390, 2376, 3286, 1497, 2613, 2663, 3684]. **R** [3818, 4039, 4116, 3593, 1146]. **R.G** [3754]. **R.K** [4159]. **Rabindra** [4155]. **Raby** [4177]. **Race** [2980, 3239, 3322]. **Rachael** [3680]. **Rached** [3370]. **Radaelli** [3711]. **Radar** [87, 1314, 2307]. **Radek** [4169]. **Radial** [2427]. **Radiation** [2763, 2954, 3407, 2597, 3013, 2811, 404, 2721, 884, 646, 1356, 832, 3176, 2347, 453, 2731, 1850, 1444, 2198, 645, 2250, 602, 134, 772, 2035, 2249,

1677, 926, 274, 282, 3467, 1140, 1995, 3713, 4215, 22, 4038, 3662]. **radiations** [209]. **Radiative** [2905, 1924, 1987]. **Radio** [1265, 123, 4278, 2515, 334, 2920, 70, 255, 1607, 752, 783, 353, 4040, 436, 352, 3655, 3455]. **Radio-Frequency** [2920]. **Radioactive** [451, 834, 1119, 925, 1972]. **Radioactivity** [1773, 1671, 566, 2035, 3120]. **radioisotopes** [1048, 7]. **radiology** [1775]. **radiolysis** [1027]. **Radionuclides** [850]. **radiotherapy** [3173]. **Radko** [3413]. **Radon** [1596]. **Rae** [2904]. **Rafael** [4170]. **Rafii** [2332]. **Rafii-Tabar** [2332]. **Rafique** [4254, 3073]. **Rai** [2594]. **Raimondi** [3557]. **Rain** [3411]. **Raine** [1121]. **Rajasekar** [3657, 3658, 3566]. **Rajeev** [3235]. **Rajendra** [2943]. **Rakesh** [2556]. **Ralf** [2948, 2528]. **Ralph** [3142, 3092, 3129, 3667]. **Ramakrishna** [2394]. **Raman** [657, 1461]. **Ramanujam** [2429]. **Ramiah** [3657, 3658]. **ramifications** [1037]. **Rammer** [2290, 2369, 3799]. **Rampino** [2473]. **Ramsey** [3457]. **Rancoita** [2954, 2881]. **Rand** [3770]. **Randall** [2742]. **Random** [2808, 2940, 2825, 3414, 3138, 3252, 4061, 2054, 2268, 3789, 2267, 3735, 4208, 2259, 3640, 1199, 2260]. **Randomness** [2410, 2047, 3686]. **Range** [2288, 782, 2506, 893]. **Range-Resolved** [2288]. **ranging** [2032, 2737, 3113, 2467]. **Ranjan** [2712]. **Rankin** [2599]. **Ransom** [3655]. **Raphael** [2912, 2785]. **rapidly** [457]. **Rappaz** [2794]. **Rare** [2909, 472, 659, 3889, 570]. **Rare-Earth** [2909, 570]. **Rashid** [3298]. **Rashmi** [2461]. **Rasinariu** [2947]. **Rasooly** [2991]. **Rastelli** [3214]. **ratchets** [1796, 2088, 3584]. **Ratcliffe** [3232]. **Rates** [2521]. **ratio** [115]. **Rationalist** [3399]. **rationalized** [387]. **Raton** [4217, 4259, 4094, 4258]. **Rauch** [3510]. **Rauscher** [4174]. **Raveendran** [2750]. **Ravin** [2850]. **Ravindra** [4240]. **Ravishankar** [3351]. **Ray** [3102, 3262, 2688, 2929, 3039, 617, 314, 1204, 328, 802, 1551, 553, 2070, 2572, 3550, 629, 2813, 2143, 3131, 48, 583, 938, 4107, 2642, 2680, 3601, 91, 1419, 2295, 716, 2633, 4079, 911, 3387, 698, 699, 3675, 3775, 1736, 3644, 3057]. **Rayleigh** [1234]. **Raymer** [2265, 3752]. **Raymond** [3522, 2461, 3281]. **Rays** [2776, 2702, 2597, 156, 2881, 2013, 1656, 2550, 573, 415, 4080, 1075, 345, 3667, 2000, 2447, 3015]. **Razavy** [2677]. **RB** [4240]. **Reach** [3472]. **reaction** [3176, 2811]. **Reactions** [549, 1069, 2566, 1406, 1206, 319, 1112, 1130, 1400, 2024, 900, 499, 290, 2500, 4159]. **Reactive** [761]. **Reactor** [159, 206, 275, 498, 1501, 1104, 3829]. **Reactors** [1175, 2674, 1068, 961, 867, 887]. **Reader** [3126, 2312, 3111, 2462, 2661, 2334, 2411, 2356, 2495, 2658, 2742, 2707, 3229, 3403, 3406, 3462, 2509, 3442, 2764, 3226, 3308, 2906, 2542, 2289, 2318, 2452, 2548, 2506, 2668, 2675, 2849, 3131, 3088, 3120, 3335, 3453, 2397, 3354, 2473, 2430, 3445, 2371, 2435, 2367, 2379, 2644, 2493, 2863, 2505, 3078, 2466, 2877, 2434, 2449, 2520, 2695, 2331, 2417, 2321, 2426, 2413, 2827, 2534, 2456, 2420, 2450, 3150, 3756]. **readers** [3004, 2519, 2980, 3018, 2864, 4117, 3031, 3006, 2833, 2970, 3020]. **readership** [3393, 4211, 2772, 3295, 4241, 2527, 2851, 2843, 3107, 2585, 2471, 2679, 2600, 2565, 2564, 2498, 2857, 2870, 2904, 3195, 3425, 3349, 3137, 2977, 3035, 2672, 3322, 2673, 2853, 3104, 3488, 4240, 3102, 3444, 3152, 3139, 3192, 3302, 3502, 2392, 3009, 2684, 3177, 3268, 3400, 3394, 3478, 3427, 3436, 3456, 3455, 3459,

2886, 3254, 3224, 3262, 3253, 3244, 3405, 3381, 3270, 3312, 2612, 3135, 2562, 3121, 3363, 3128, 3274, 3202, 2714, 2691, 3345, 3415, 4186, 3263, 3283, 3423, 2916, 2929, 2933, 3428, 2753, 3084, 3351, 3234, 3299, 3271, 2694, 2796, 2908, 3276, 2778, 3106, 4223, 4218, 3066, 3002, 3239]. **readership** [4208, 2717, 2496, 2814, 2895, 3197, 3225, 3461, 3441, 2532, 2582, 2589, 2588, 2938, 2913, 3048, 3151, 3149, 3281, 4086, 4171, 3286, 2982, 2645, 2558, 3136, 2789, 2599, 2934, 2871, 2957, 3134, 3001, 3085, 3129, 3042, 3284, 3379, 3443, 4258, 3300, 3378, 3355, 2650, 2610, 2990, 4057, 4082, 4115, 4065, 4064, 4109, 4233, 4256]. **Reading** [9, 110, 2228, 306, 335, 95, 128, 55, 80, 269]. **Real** [3841, 4232, 580, 4233]. **Realistic** [3300, 3232]. **Reality** [2495, 2498, 2904, 2770, 3261, 3406, 3425, 4320, 1984, 3086, 2017, 3637, 3419, 1636, 1180, 1743, 2554, 3163, 2558, 2707, 3855]. **realizations** [2131, 2147]. **Really** [3034, 4005, 2305, 3982]. **realm** [2123]. **reappraised** [755]. **Reasoning** [2518]. **Rebases** [834]. **Recami** [4113, 3370]. **Received** [931, 2052, 2066, 461, 474, 481, 489, 497, 504, 513, 520, 528, 534, 541, 548, 556, 563, 576, 586, 592, 598, 606, 613, 621, 628, 635, 642, 650, 655, 661, 669, 674, 682, 689, 696, 703, 709, 714, 721, 727, 734, 742, 751, 757, 767, 774, 780, 787, 795, 804, 813, 822, 829, 836, 842, 852, 859, 870, 877, 883, 889, 898, 904, 905, 921, 940, 958, 967, 975, 987, 997, 1005, 1033, 1044, 1018, 1025, 1052, 1062, 1072, 1078, 1088, 1095, 1103, 1110, 1116, 1126, 1135, 1142]. **received** [1148, 1159, 1168, 1174, 1185, 1196, 1201, 1209, 1223, 1231, 1239, 1246, 1253, 1261, 1267, 1275, 1281, 1287, 1294, 1300, 1307, 1313, 1322, 1331, 1338, 1346, 1354, 1362, 1369, 1377, 1384, 1390, 1398, 1404, 1411, 1418, 1426, 1433, 1440, 1448, 1456, 1463, 1471, 1478, 1485, 1493, 1500, 1509, 1514, 1520, 1526, 1534, 1540, 1549, 1557, 1568, 1577, 1586, 1593, 1599, 1605, 1613, 1620, 1626, 1633, 1639, 1646, 1655, 1663, 1669, 1676, 1683, 1690, 1696, 1702, 1710, 1719, 1725, 1733, 1740, 1747, 1756, 1772, 1780, 1785, 1790, 1795, 1803]. **received** [1810, 1816, 1822, 1829, 1838, 1846, 1854, 1861, 1869, 1878, 1891, 1895, 1900, 1910, 1920, 1931, 1941, 1946, 1954, 1963, 1971, 1977, 1991, 1997, 2029, 2037, 2043, 2073]. **reciprocal** [4253]. **Recognition** [2485]. **Recollections** [662, 965, 1136, 1092]. **reconstruction** [615]. **record** [118]. **recording** [928]. **recovery** [914]. **Recreational** [2420]. **rectangular** [240]. **rectifier** [201]. **Recycling** [1140]. **red** [4010, 495, 1182, 3865, 204, 210, 135, 258, 4090]. **Rédei** [3247]. **Redner** [2619]. **redshift** [3861]. **reduced** [3645]. **reduction** [3466]. **Reed** [4142, 4171, 1887]. **Rees** [3231]. **Reference** [2727, 4120, 4106, 3395, 3393, 3368, 2433, 2463, 2357, 125, 2565, 2751, 2757, 3038, 3095, 2672, 2838, 2836, 2853, 2785, 3194, 3179, 3353, 3408, 4240, 2764, 3207, 3092, 3168, 4084, 4251, 1068, 3083, 4173, 2687, 4072, 4190, 2394, 2366, 2567, 2954, 3407, 3126, 3427, 3455, 2372, 3312, 3143, 3233, 2523, 3269, 2437, 3230, 3446, 2292, 2299, 2526, 2309, 2465, 2464, 2584, 3246, 3367, 3030, 2647, 3449, 4205, 2587, 3430, 2332, 2784, 3127, 3033, 3012, 3086, 4122, 3213, 2415, 4223, 2835, 2837, 3062, 3119, 3156, 2581, 3183, 3347, 2607, 2556, 2705, 2722, 2695, 4071, 4166, 2759, 2725, 2557, 4199]. **reference** [2805, 3481, 2718, 2468, 2501, 2349, 2807, 2654, 3087, 2669, 2388, 2871, 3170, 3484, 2752, 2769, 4174].

reference/textbook [2357]. **reflection** [212]. **Reflections** [1778, 1808, 2984, 1819, 3918, 1117, 2311, 2535, 3909]. **refraction** [2093, 2270, 2269]. **Refractive** [2394]. **Refrigeration** [837, 462]. **refrigerators** [3966]. **refugee** [2363]. **Regev** [2972]. **regimen** [2149]. **regional** [2109]. **Reich** [3253]. **Reiner** [1069]. **Reinhard** [3531, 3558]. **Reinventing** [2963]. **reionisation** [3965]. **Reissue** [3308]. **Related** [1191, 3894, 2422, 3780, 1045, 1053, 2842, 1627]. **relating** [262]. **Relation** [3218, 1297, 1068, 1988]. **Relationships** [3930, 3310]. **relative** [1476]. **Relatively** [3037, 3302]. **Relativistic** [1906, 1979, 2698, 3620, 3473, 4168, 2801, 3538, 3884, 3999, 2903, 3094, 3278, 2832, 4168, 3843, 2540]. **Relativity** [243, 2911, 3150, 509, 2845, 3043, 2562, 3071, 3363, 2649, 3191, 3955, 4182, 1026, 132, 153, 3987, 1686, 457, 2861, 3756, 4036, 1631, 3864, 2149, 3473, 3508, 511, 2155, 1219, 4145, 3473, 2565, 2655, 2635, 2713, 2391, 2531, 2718, 3185, 3560, 3692, 326, 4163, 3552, 3917, 2727, 3037, 2611, 3461, 4176, 2768, 82]. **relativity/General** [3955]. **Relaxation** [347, 1089]. **Release** [2928]. **Releases** [834]. **Releasing** [1723]. **relevance** [2209]. **Reliability** [2670]. **Religion** [3195, 1983, 1950, 1761]. **religious** [3878]. **Remarkable** [2134]. **reminiscences** [1082, 1092, 3017]. **Remo** [3437, 3153]. **remodelling** [4241]. **Remote** [896, 2288, 2584, 3231, 1480, 1572, 1751]. **renaissance** [1138]. **Renee** [3525]. **Renn** [3473]. **Renormalization** [3376, 3954, 2715]. **Renzoni** [3584]. **repertoire** [3935]. **Report** [144, 869, 293, 27, 2296, 464, 292, 3206, 391, 334, 2298]. **Report/Survey** [869]. **Reports** [379, 417, 225, 317, 66, 263, 554, 42, 316]. **requirement** [1442]. **Resag** [4047]. **Resconi** [3667]. **Research** [145, 53, 2670, 275, 437, 3206, 2395, 3276, 3063, 89, 136, 213, 241, 277, 259, 3776, 54, 194, 263, 2414, 675, 740, 2715, 2350, 2412, 3137, 4113, 20, 324, 1119, 223, 2428, 2342, 2421, 208, 942, 2129, 193, 2050, 2064, 4, 636, 924, 1325, 10, 2354, 3457, 3460, 3525, 3432, 719, 638, 2700, 801, 127, 168, 220, 264, 278, 349, 334, 2231, 2592, 2720, 2409, 2424, 2368, 2369, 2423, 2503, 792, 228, 1825, 119, 1414, 3243, 3299, 4057, 3642, 3653, 2724, 3596]. **researcher** [4120, 4078, 4060, 4106, 2686, 2883, 3157, 3395, 3368, 3211, 3333, 3052, 3350, 4110, 2926, 3061, 3079, 3098, 3201, 2667, 4241, 4217, 2614, 2555, 3022, 3180, 3506, 2819, 2648, 2583, 2911, 3241, 2767, 3097, 2840, 3107, 2593, 2949, 3298, 3365, 2830, 2522, 2715, 2774, 2858, 3124, 4210, 2544, 3376, 4231, 2795, 3116, 2751, 2856, 2727, 3091, 3017, 3406, 3412, 3320, 3425, 4154, 4221, 2757, 3349, 3038, 3095, 3035, 3247, 4118, 3296, 2984, 3023, 3373, 2798, 2838, 2836, 2853, 2785, 3275, 3194, 3179, 3353, 3408, 3499, 4240, 2617, 2775, 2779, 3207, 3370, 2621, 3075, 3168, 2735, 2872, 2755]. **researcher** [3502, 4248, 2766, 3083, 3245, 3165, 2791, 2841, 2541, 2999, 3036, 3047, 4072, 4178, 4190, 4198, 4252, 2776, 3118, 2965, 3279, 3494, 3501, 3450, 3452, 4081, 4235, 2693, 2660, 2800, 3054, 3204, 3407, 2887, 3126, 3205, 4085, 4108, 4068, 4119, 4196, 3184, 4242, 4250, 2850, 3081, 3074, 3099, 4187, 2538, 2820, 3046, 3196, 3431, 3143, 3233, 3366, 2670, 3024, 2771, 3050, 2898, 4165, 3071, 3169, 3303, 3398, 3492, 2524, 2716, 3510, 3128, 3274, 3497, 3382, 2703, 3080, 3005,

2808, 4157, 3230, 3210, 3446, 4186, 2539, 3340, 3423, 2682, 2526, 3026, 3003, 3424, 3189, 3511, 2680, 3015, 3162, 3447]. **researcher** [3208, 3206, 3367, 3030, 2685, 3084, 3145, 3031, 3259, 3232, 3307, 3449, 3486, 4200, 4205, 4224, 3065, 2622, 3430, 2839, 3070, 2652, 3272, 2651, 2432, 2784, 2712, 3127, 3033, 3012, 4122, 4197, 3209, 3213, 3094, 3332, 2780, 2624, 2835, 2874, 2837, 2834, 2760, 2750, 2880, 3062, 3119, 3063, 3172, 3409, 4054, 4083, 4189, 2580, 3256, 3347, 3402, 2546, 3414, 3476, 3489, 4255, 4219, 4166, 4167, 2759, 3138, 3346, 2725, 2557, 4199, 2701, 2896, 2741, 3228, 3461, 4253, 2879, 3148, 3059, 3146, 3141, 3319, 3362, 3339, 3391, 3439, 4063, 4220, 4174, 2422, 2530, 2758, 2398, 2400, 2619, 3191]. **researcher** [3185, 3278, 3508, 3136, 2799, 3147, 2807, 2826, 2654, 3087, 3032, 2665, 2666, 2832, 3170, 3306, 3484, 3475, 3474, 3495, 4058, 4116, 4067, 4172, 4215, 3397, 3067, 3267, 3300, 3348, 4111, 4185, 4168, 2547, 2882, 2852, 2586, 2769, 4056, 4231, 4118, 4052, 4235, 4257, 4259, 4108, 4119, 4157, 4159, 4160, 4121, 4169, 4170, 4234, 3476, 4077, 4166, 4167, 4260, 4253]. **researcher**. [4063]. **researcher/scientist** [3348]. **researchers** [2921, 2989, 2596, 2927, 3051, 2458, 2486, 2659, 2485, 2828, 3011, 2425, 2868, 2955, 2865, 2293, 2866, 2945, 2948, 2939, 2988, 2931, 2907, 2341, 2342, 2421, 2563, 2494, 3004, 2930, 2366, 2954, 3007, 2597, 2489, 2674, 2566, 2609, 2816, 2706, 2918, 3013, 2932, 2340, 2351, 2461, 2476, 2616, 2525, 2902, 3187, 3186, 3182, 3454, 2929, 2649, 2653, 2743, 2739, 2803, 2940, 2884, 2946, 2998, 3432, 2869, 2295, 2467, 2332, 2815, 2924, 2943, 2909, 2416, 2419, 3014, 2925, 3404, 3410, 3440, 3482, 3441, 3481, 3483, 3504, 3503, 2723, 2451, 2399, 2444, 2831, 2894, 2454, 2470, 2915, 2920, 2967]. **researchers** [2919, 2704, 4107, 3114, 4187]. **reservoirs** [914]. **resistance** [607]. **resistivity** [1210]. **resolution** [2382, 1967, 3727, 657, 4224, 1076, 1203, 352, 1120, 3537, 3795]. **Resolved** [2288, 1736]. **Resolving** [4195, 4013]. **Resonance** [3373, 2975, 3026, 2419, 2592, 1459, 631, 2699, 1225, 1934, 818, 872, 359, 369, 47, 839, 1421, 2285]. **Resonances** [831, 3566]. **Resonant** [1356, 1677]. **Resonant-bar** [1356]. **resonators** [3743]. **resource** [776]. **respectable** [2089]. **results** [1529, 2126, 3593]. **Retelling** [1917]. **Retirement** [2787]. **return** [3419]. **Revealed** [3302, 3722]. **reversal** [1726, 1647]. **Reversibility** [3023]. **Review** [3670, 3806, 3834, 3817, 3757, 3776, 3767, 3807, 3766, 3942, 4133, 4132, 3622, 3711, 3953, 4120, 4078, 4060, 4106, 3878, 4149, 3520, 3651, 3741, 3841, 4010, 3909, 4057, 3764, 3763, 1121, 3618, 3986, 3988, 3790, 3868, 3805, 3774, 3946, 4016, 4062, 4110, 4211, 4137, 4225, 3885, 3896, 2893, 2772, 3560, 3523, 3574, 3721, 3583, 3719, 3541, 3559, 3830, 4082, 1265, 1191, 440, 662, 675, 848, 4241, 4217, 3796, 3974, 4202, 4232, 3785, 3927, 4135, 3698, 3699, 3700, 3750, 3828, 3918, 3522, 3696, 3619, 3901, 3772, 3912, 4140, 4139, 4254, 4038, 4000, 3934, 3539, 3580, 3625, 3710, 3635]. **Review** [3835, 3899, 3898, 3872, 3873, 3944, 3984, 4032, 4009, 3911, 4056, 4055, 4210, 4206, 3656, 3716, 3644, 3840, 3943, 4035, 4231, 205, 3425, 3677, 3695, 3723, 3579, 3609, 3692, 3800, 3875, 3791, 3748, 3759, 3848, 3855, 3881, 4005, 3945, 4045, 3913, 3935, 3914, 4018, 3938,

3955, 4028, 4073, 4123, 4069, 4154, 4182, 4177, 4134, 4184, 4191, 4221, 3646, 3839, 3877, 4027, 4100, 4113, 3715, 3663, 3869, 1040, 4118, 3599, 3585, 3900, 3738, 3947, 3919, 4061, 1083, 3554, 3544, 3657, 3658, 3659, 3744, 3747, 2057, 1131, 3538, 4143, 4209, 3628, 3629, 3706, 3889, 3961, 4183, 4240, 223, 2329].

Review [3102, 3524, 3530, 3652, 3591, 3648, 3844, 3758, 3931, 4030, 4084, 4155, 4248, 3647, 4251, 112, 326, 3620, 4138, 4173, 3650, 3637, 3858, 3845, 3859, 3784, 3856, 3987, 3989, 3958, 965, 1092, 3626, 3679, 3883, 3762, 3793, 3739, 3983, 3930, 4026, 4072, 4052, 4178, 4190, 4148, 4198, 2191, 4163, 4252, 3561, 3557, 3617, 3616, 3895, 3808, 3894, 3753, 3755, 3809, 3960, 4006, 4021, 3962, 4081, 4156, 4204, 4130, 4203, 4162, 4235, 4222, 4257, 4259, 875, 3771, 3727, 1069, 3884, 4025, 3948, 4002, 3915, 3925, 4001, 4046, 4043, 3975, 4041, 3920, 3954, 3999, 4029, 4044, 4008, 4024].

Review [4085, 4108, 4068, 4119, 4098, 4196, 4141, 4242, 4250, 3552, 3553, 3564, 3705, 3630, 3669, 3668, 3588, 3709, 3576, 3671, 3708, 3577, 3627, 3631, 3865, 3816, 3754, 3886, 3861, 3854, 3891, 3860, 3804, 3801, 3797, 3752, 3769, 3773, 3751, 3787, 4031, 4037, 4047, 3993, 4040, 3994, 4048, 3957, 4042, 3936, 4003, 4015, 3910, 4090, 4091, 4105, 4146, 4187, 3661, 2765, 3551, 316, 3660, 3623, 3998, 4165, 850, 3540, 3810, 3980, 3592, 3421, 3563, 3794, 3921, 4097, 4107, 4157, 3825, 4150, 4186, 2644, 3423, 3578, 3587, 3608, 3678, 3597, 3832, 4007, 4017, 3982, 1100, 3525, 3717, 3614, 3632].

Review [3862, 3078, 4112, 4114, 4115, 4117, 4159, 4161, 4158, 4160, 3720, 1057, 3768, 3770, 3843, 3952, 3562, 3531, 3653, 3691, 3589, 3874, 3882, 3789, 3740, 3950, 4099, 4093, 4200, 4151, 4205, 4224, 3819, 3978, 3533, 3532, 3697, 3849, 3926, 3527, 3712, 3756, 3973, 4164, 3665, 3749, 3846, 3905, 4019, 56, 1165, 4121, 4131, 129, 3718, 3666, 3703, 3842, 4122, 4197, 3521, 4201, 4223, 4244, 4218, 4249, 3558, 3584, 3582, 3607, 3634, 3649, 3682, 3683, 3735, 3736, 3833, 3734, 3879, 3880, 3795, 3827, 3836, 3922, 3959, 3917, 4020, 4022, 4036, 3949, 4054, 4083, 4053, 4080, 4079, 4169, 4170].

Review [4189, 4234, 3604, 1149, 2552, 3314, 3636, 3923, 4144, 3893, 3811, 3863, 3932, 3724, 3613, 3704, 3526, 3690, 3476, 3543, 3645, 3693, 3681, 3864, 3831, 3777, 3803, 3996, 3995, 3929, 3933, 4071, 4129, 4255, 4208, 4188, 4219, 4070, 4066, 4077, 4166, 4167, 3654, 3760, 1140, 4199, 4260, 2701, 3337, 4095, 4096, 4094, 4253, 3537, 3566, 3536, 3565, 3567, 3534, 3575, 3595, 3610, 3612, 3674, 3673, 3596, 3611, 3672, 3903, 3814, 3887, 3904, 3742, 3745, 3888, 3902, 3813, 3890, 3743, 3812, 3939, 3941, 3940, 4065, 4064, 4063, 4220, 3281, 3555, 3528, 3529, 3702, 3701, 3871, 3838, 3870, 3837].

Review [3979, 4086, 4092, 4142, 4147, 4171, 4174, 3786, 3788, 4216, 1039, 3928, 1562, 3977, 3937, 4034, 3976, 3713, 3733, 3815, 4059, 3985, 4109, 3605, 3542, 3568, 3535, 3556, 3598, 3621, 3606, 3675, 3624, 3667, 3615, 3722, 3581, 3684, 3707, 3586, 3662, 3798, 3818, 3847, 3867, 3857, 3829, 3737, 3775, 3792, 3876, 3802, 3850, 3892, 3897, 3765, 4004, 4039, 3956, 4033, 3924, 3997, 4023, 3981, 3916, 4058, 4116, 4067, 4172, 4136, 4207, 4176, 4215, 4233, 3676, 4145, 4175, 1844, 4258, 3519, 3685, 3655, 3688, 3761, 4111, 4185, 4168, 3594, 3590, 3593, 2041, 1146, 44, 834, 3633, 3680, 3694, 3714, 3746, 3866, 3799, 3951].

Review [4243, 4256, 2099, 3468, 19, 18, 8, 82, 149, 155, 266, 656, 758, 835, 1141, 1147,

1625, 1996, 3052, 2781, 3470, 2699, 3098, 3201, 1778, 1808, 1800, 584, 2614, 2596, 2767, 1820, 2034, 2840, 2485, 3298, 1836, 3472, 2868, 1177, 2544, 3154, 3116, 2459, 2662, 2904, 3091, 2082, 2754, 3371, 2866, 2977, 2942, 2740, 2867, 2945, 2801, 2948, 3055, 2995, 3142, 3150, 2382, 2763, 3442, 100, 3296, 1777, 1852, 3322, 2749, 2798, 2853, 3104, 3275, 3194, 2975, 2617, 2747, 1783, 3207, 3444, 553, 2941, 3168, 9, 3328, 2791, 1857, 3547, 3040, 3004, 146, 1938, 1801]. **review** [2693, 3851, 1770, 3126, 3184, 2850, 2737, 3113, 3642, 3643, 3689, 3732, 3783, 1359, 1843, 2035, 2678, 2538, 2675, 2886, 2980, 3224, 3262, 3163, 3287, 3381, 2690, 3093, 2340, 2612, 3143, 2670, 4180, 3469, 4051, 3274, 3227, 81, 3108, 3202, 1560, 2714, 3230, 3210, 3345, 2379, 2863, 3823, 3003, 3189, 3511, 1851, 2688, 2748, 3206, 2288, 3428, 2653, 3049, 3304, 3299, 3065, 3271, 31, 1093, 2622, 3305, 1819, 160, 2664, 3240, 2001, 1813, 2467, 3106, 537, 1653, 2712, 1716, 2595, 2624, 2880, 3062, 3172, 1858, 2580, 2657, 2943, 2825, 2909, 2782, 3109, 3256, 111, 3132, 1937]. **review** [2611, 3731, 2860, 2976, 3198, 2745, 3471, 2725, 2620, 2741, 2895, 3473, 2582, 2531, 2589, 2588, 2913, 3285, 1993, 2361, 3191, 3185, 1814, 3032, 2848, 2536, 2787, 1827, 3355, 869, 188, 2915, 1835, 1936, 3102, 3934, 3092]. **Reviewed** [2074, 2075, 2151, 2152]. **Reviews** [2051, 2058, 2065, 2072, 2100, 2106, 2112, 2125, 2130, 2135, 2140, 2214, 2218, 2222, 2232, 2280, 2284, 45, 57, 67, 130, 173, 181, 189, 199, 207, 215, 226, 233, 244, 257, 271, 280, 294, 301, 309, 318, 327, 336, 343, 351, 357, 367, 373, 383, 392, 400, 408, 418, 426, 433, 443, 449, 460, 467, 473, 480, 488, 496, 503, 512, 519, 533, 562, 569, 575, 585, 591, 599, 612, 620, 627, 634, 641, 649, 663, 668, 676, 681, 688, 695, 702, 708, 715, 720, 726, 733, 741]. **reviews** [750, 766, 773, 779, 786, 794, 803, 814, 821, 828, 841, 849, 851, 858, 876, 882, 888, 897, 910, 920, 930, 939, 948, 956, 966, 973, 985, 995, 1003, 1016, 1024, 1031, 1043, 1051, 1060, 1071, 1077, 1086, 1094, 1102, 1109, 1115, 1125, 1134, 1158, 1167, 1173, 1184, 1195, 1200, 1208, 1216, 1222, 1230, 1238, 1245, 1252, 1260, 1266, 1274, 1280, 1286, 1293, 1299, 1306, 1312, 1319, 1329, 1337, 1344, 1352, 1360, 1367, 1375, 1382, 1389, 1396, 1403, 1410, 1417, 1425, 1432, 1439, 1446, 1455, 1462, 1470, 1477]. **reviews** [1484, 1491, 1498, 1508, 1513, 1519, 1525, 1533, 1539, 1548, 1556, 1567, 1576, 1585, 1592, 1598, 1604, 1611, 1619, 1632, 1638, 1645, 1654, 1662, 1668, 1675, 1682, 1689, 1695, 1701, 1709, 1718, 1724, 1732, 1739, 1746, 1755, 1763, 1764, 1771, 1779, 1784, 1789, 1794, 1802, 1809, 1815, 1821, 1828, 1837, 1845, 1853, 1859, 1867, 1876, 1884, 1889, 1901, 1908, 1919, 1929, 1939, 1945, 1953, 1961, 1970, 1976, 1985, 1990, 2004, 2011, 2020, 2028, 2036, 2042, 2084, 2092, 2119, 2145, 2150, 2158, 2168, 2172, 2178, 2182, 2187, 2192, 2197]. **reviews** [2203, 2207, 2210, 2226, 2237, 2274, 1335, 1904, 454, 3335, 547, 527, 540, 2840, 3371]. **Revised** [3349, 2706, 3163, 3196, 3065, 3817, 2560, 4187, 3132]. **revisited** [1835]. **revivals** [2195]. **revolution** [3759, 3908, 23, 1721, 2554, 3327, 3177, 4248, 4037, 3982]. **revolutionaries** [1445]. **revolutionized** [3532]. **Revolutions** [2658, 4290, 1907, 3502, 3121, 2644]. **Reyes** [3189]. **Reyes-Lega** [3189].

Reynolds [4026, 2337]. **Rez** [3807]. **Rezzolla** [3278]. **Rhiger** [2775].
Riazuddin [3401, 2855]. **Ricardo** [4086]. **Riccardo** [2741, 4220]. **Ricciardi**
 [3740]. **Rice** [4139]. **Richard**
 [4057, 3199, 2786, 3384, 3261, 2754, 3659, 2931, 3647, 3650, 3219, 2474, 2487,
 4122, 2780, 3734, 3347, 3198, 2468, 2710, 3556, 2787, 1872]. **Richards** [3067].
Richardson [3644]. **Richmond** [3248]. **riddle** [3336]. **Ridges** [3454].
Ridley [3257, 3742]. **Ridolfi** [2833]. **Ridpath** [2871]. **Rieckers** [3558].
Rieke [3049]. **Rift** [879]. **rigid** [4231]. **Riley** [3212, 3193, 4084, 3027]. **Ring**
 [284, 1262]. **Ring-laser** [284]. **rings** [141, 680, 3394]. **Ringström** [3241].
Ríos [4118]. **Ripoll** [3058]. **ripple** [464]. **Ripples** [3284]. **Risk**
 [2047, 1067, 1068]. **Risto** [2804]. **rivalries** [410]. **Rivalry** [2980]. **river**
 [1873]. **Rivier** [2259]. **Rivkin** [4054]. **Road** [3088, 2854, 348, 3954, 3473].
Rob [3614]. **Robbins** [293, 292]. **Robert**
 [3211, 3692, 3102, 1092, 3436, 3312, 3374, 4292, 2499, 3486, 2664, 2778, 2595,
 2611, 2589, 2638, 3285, 3701, 3178, 1092]. **Roberto** [3557, 3132]. **Roberts**
 [3789]. **Robin** [3112]. **Robinson** [3151]. **robust** [3328]. **Roche** [4081, 3265].
Rochester [137]. **rock** [3463]. **Rocket** [216]. **rockets** [2453]. **rocky** [4150].
Rodriguez [2614]. **Roe** [4148]. **Rogel** [3541]. **Rogel-Salazar** [3541]. **Roger**
 [4184, 4190, 3381, 3636, 4176]. **Rogers** [2320]. **Rogue** [3572, 2643]. **Rohde**
 [4248]. **Roisin** [2976]. **Rojas** [3240]. **Roland** [3563]. **Role**
 [1595, 710, 2252, 324, 4155, 525, 3358, 1677, 572, 1987, 2236, 3357, 2251].
ROM [3276, 3314]. **Roman** [3164]. **Romatschke** [4168]. **Roming** [3039].
Romo [4170]. **Ron** [2470]. **Ronald** [2829, 3429, 2874, 2632, 3085]. **Ronde**
 [3320]. **Roques** [2476]. **Rory** [2709]. **Rosanne** [3075]. **Rosenbaum** [3539].
Rosenblum [2796]. **Ross** [2826, 4145]. **Rosser** [326]. **Rossi** [3594]. **rotary**
 [2304]. **Rotating** [2501, 652, 984, 229, 3867, 2941]. **Rotation**
 [284, 2501, 1191]. **rotations** [1735, 4231]. **Roth** [2779]. **rotons** [1955].
Rottwitt [3619]. **rough** [1215]. **roughness** [1023]. **Roustem** [4241].
Routledge [4257]. **Rouven** [4028]. **Rovelli** [4182, 2298]. **Rowan**
 [2517, 3151]. **Rowan-Robinson** [3151]. **Rowe** [2816]. **Rowlands**
 [4144, 3261, 3587]. **Roy** [3203, 3708]. **Royal**
 [253, 811, 2506, 194, 64, 397, 53, 394, 261, 186, 214, 276, 350]. **Rozelot**
 [2501, 2898]. **Rubakov** [4008, 2815]. **Rubber** [588, 3359, 6]. **Rubin** [3040].
Ruda [2372]. **rudiments** [1524]. **Rudolf** [3072, 4017, 3015, 1711]. **Rudolph**
 [2756]. **Ruffini** [3437, 3153]. **Rukhadze** [2659]. **rules** [2219]. **Rumford**
 [1937]. **Rumsfeld** [2229]. **Rupert** [2437]. **Rurali** [4220]. **Russell**
 [3627, 2472, 3059]. **Russenschuck** [2757]. **Russian** [100, 4124]. **Russo** [3814].
Ruth [4157, 3086]. **Rutherford** [380, 291, 145, 291, 196, 148, 662]. **Ryabova**
 [4058]. **Ryan** [2874, 2620, 3815]. **Rydberg** [2253, 1518, 1541, 916, 712, 2254].
Rydbergs [4118]. **Ryden** [3723]. **Ryutin** [3593]. **Ryutova** [3957].
S [2502, 4110, 3470, 2893, 1191, 3506, 2386, 2485, 3203, 2439, 2403, 4055,
 2425, 3644, 2770, 2727, 3945, 4184, 3123, 3744, 2838, 2779, 2626, 3168, 2872,
 2342, 3793, 4190, 2394, 4162, 4257, 2366, 2429, 2567, 4001, 4044, 3297, 3057,

3074, 2996, 3477, 3668, 3709, 3993, 4048, 4015, 2674, 2609, 2372, 2348, 2678, 2251, 2249, 2333, 3258, 3235, 2379, 2355, 2688, 2881, 2738, 4159, 2899, 2773, 3768, 3770, 3140, 2649, 2803, 3533, 2818, 3045, 3019, 4019, 4121, 3718, 2815, 2633, 2874, 4036, 4054, 2393, 3604, 2728, 3811, 3132, 3995, 3014, 3760, 2557, 2322, 2317, 3566, 3536, 3596, 4063, 3702, 2540]. **S**
 [2424, 2398, 2669, 2599, 2413, 2591, 2663, 2885, 2934, 2969, 3041, 3684, 4067, 4176, 3676, 3761, 2345, 2041, 2547, 2967, 1146, 3633, 3714, 2450]. **S.-H** [2355]. **S.-I** [2818]. **S.I.** [390]. **S245** [2467]. **S263** [2737]. **S264** [2898]. **S266** [2780]. **S279** [3039, 3267]. **S282** [3067]. **S287** [3203]. **S291** [3267]. **S292** [3348]. **Sá** [4119]. **Saad** [4235]. **Saarloos** [3002]. **Sabine** [2923]. **Sachdev** [2893, 2728]. **Sachs** [2747]. **Sadamichi** [3184]. **Sadana** [2673, 2673]. **Sadao** [3083]. **Sadegh** [3504]. **Sadenius** [2751]. **Sadri** [2552]. **Sadrudin** [3688]. **safe** [1501]. **safety** [1866, 2035, 1104, 348, 3954]. **saga** [2407]. **Sagan** [1968]. **Sagir** [4254]. **Saha** [3543]. **Sahakian** [4129]. **Saikia** [2934]. **Sailing** [2407, 2588]. **Saitoh** [3184]. **Salam** [2870, 3976, 2239]. **Salasnich** [3393]. **Salazar** [3541]. **Salby** [2890]. **Saleem** [3073]. **Salzburg** [193]. **Samaj** [3591]. **Samei** [4165]. **Samorì** [2795]. **Sample** [2564]. **Samrath** [2712]. **Samuel** [3510]. **Samya** [4188]. **Sanchez** [2618]. **Sanchez-Lavega** [2618]. **sand** [1792]. **Sanda** [2586]. **Sander** [2401]. **Sanders** [3816, 2664]. **Sandoghdar** [3772]. **Sándor** [3764]. **Sandra** [2463, 4224]. **Sanjay** [4178]. **Sanjuan** [3566]. **Sankar** [3540]. **Sanpera** [3022]. **Santen** [4099]. **Santos** [3659]. **Santosh** [3041]. **Sanz** [2979]. **Sara** [2654]. **Saraceno** [2970]. **Sarantsev** [3218]. **Sarath** [2775]. **Sarbani** [4007]. **Saris** [2534]. **Saskia** [3379]. **Satellite** [102, 553, 261]. **satellites** [840, 572, 262]. **Sato** [3544]. **Sattler** [3307]. **Saturn** [4042]. **Satya** [2750, 3543]. **Savart** [238, 133]. **Saxby** [2684]. **Sayed** [3504]. **Scalar** [4044]. **Scalas** [2634]. **scale** [372, 1758, 4321, 2733, 4151, 3534, 321, 2893, 4041]. **scales** [2161, 772, 3601]. **Scaling** [2410, 3920]. **scalpel** [116]. **Scanning** [502, 1502, 1563, 2076]. **Scarani** [3680]. **scatter** [729, 1775]. **Scattering** [3118, 756, 3382, 725, 2633, 2227, 2347, 881, 1187, 603, 761, 693, 788, 607, 1076, 622, 830, 3675, 2955, 3321, 3236, 3835]. **Scenes** [3197]. **sceptical** [72]. **Scerbo** [3653]. **Scerri** [3244]. **Schadschneider** [2745]. **Schäfers** [3098]. **Schakel** [2349]. **Scharf** [2766]. **Scherzer** [2973]. **Schiavone** [2417]. **Schieve** [2454]. **Schilling** [3001, 1146]. **Schleich** [2296]. **Schleicher** [4033]. **Schlieren** [300]. **Schliesser** [2983]. **Schmidt** [3483, 3175]. **Schmitz** [4018]. **Schoelkopf** [3374]. **Scholarly** [2041]. **Scholl** [2528]. **School** [4124, 2846, 372, 4117, 290, 3836, 2322, 159, 206, 3389, 3772, 2760]. **schools** [194, 176, 52, 131, 117, 120, 231]. **Schörner** [2751]. **Schörner-Sadenius** [2751]. **Schottky** [1118]. **Schötz** [3696]. **Schreier** [2766]. **Schrijver** [2993, 2440, 2721]. **Schrödinger** [3056, 2995, 3727, 4105, 1235, 2262, 3640, 3600, 4069, 2261, 3239]. **Schroeter** [4066]. **Schulz** [2737]. **Schumacher** [2536]. **Schuster** [2840]. **Schwartz** [3810, 3316]. **Schweber** [3945]. **Schwinger** [3819]. **sci** [1243]. **sci-fi** [1243]. **Science** [3841, 43, 159, 206, 1865, 4202, 4232, 2527, 2596, 3051, 2843, 4140, 740, 40, 2707,

3371, 2977, 1952, 4209, 3139, 2342, 1972, 4173, 2930, 1687, 2684, 177, 2794, 3343, 221, 1983, 3400, 2506, 2668, 2675, 3196, 3128, 3274, 3445, 2367, 101, 4161, 2884, 3084, 3234, 3238, 1761, 1165, 1883, 4201, 4244, 4249, 4301, 2880, 4144, 3426, 4253, 2582, 4142, 4174, 85, 4307, 3085, 3284, 3372, 4315, 868, 3806, 4078, 2010, 4057, 69, 167, 342, 358, 4225, 1778, 3700, 3918, 3472, 3984, 307, 397, 3945, 4103, 4027, 4113, 2945, 2061, 3908, 2749, 3226, 3308, 1982, 885, 2089, 2504]. **science** [3637, 3989, 1915, 289, 341, 52, 4047, 2407, 2765, 3120, 3335, 2397, 1636, 3998, 14, 30, 2353, 26, 98, 2437, 2642, 1295, 2473, 4186, 2371, 2435, 2644, 2206, 235, 4117, 945, 3768, 2517, 4099, 279, 3571, 315, 4019, 1393, 2380, 2581, 2552, 2854, 4125, 3995, 25, 1461, 3702, 231, 1968, 3664, 1616, 1327, 3729, 1827, 106, 74, 362, 4256, 145, 180, 221, 437, 3180, 3444, 2548, 2980, 2724, 2671, 4223, 2451, 2507, 3306, 2534, 2456, 3300, 3766, 3721, 4221, 4204, 3649, 3890, 3997, 3195, 3525, 2773, 2884]. **Sciences** [3212, 3026, 187, 2288, 2378, 2804, 237, 245, 3060, 48, 2960, 577, 79, 2173, 3212, 3193, 2623, 3340, 3188, 3096, 2833, 2804, 4148, 4093]. **Scientific** [4132, 4106, 4010, 3909, 2463, 4062, 4225, 1907, 4263, 4056, 4055, 4231, 2742, 2856, 4028, 4123, 4069, 2082, 4113, 2057, 846, 4322, 3448, 4030, 4138, 4163, 3999, 4029, 4044, 4008, 4024, 4108, 4068, 4119, 4098, 4196, 3219, 3093, 3821, 2670, 3998, 1343, 739, 4124, 3423, 4112, 4114, 4099, 3243, 391, 4164, 4121, 4223, 4083, 4080, 3996, 4255, 4070, 4167, 3337, 4095, 4096, 4086, 4004, 3956, 4033, 3997, 4172, 3164, 4243, 4057, 18, 70, 43, 2661, 3774, 2509, 324, 2672, 23, 2504, 3844, 2352, 331, 4037, 2050, 2064, 807, 3660, 1029, 3525, 941, 31, 3724, 2278, 3612, 2426]. **scientific** [2413, 4067, 2528, 2512, 3259, 3649]. **Scientist** [3178, 4120, 4078, 4060, 4106, 2686, 2883, 3122, 3395, 3318, 3368, 3333, 3201, 4241, 4217, 2851, 2843, 2949, 4206, 3154, 3116, 2770, 3091, 3167, 4191, 3349, 3038, 3095, 3035, 3247, 2798, 2785, 3104, 3275, 3194, 3179, 3353, 3408, 3499, 3488, 2747, 3448, 3502, 2791, 4072, 4190, 4198, 4252, 2702, 2660, 2800, 3407, 3205, 4068, 3184, 4242, 4250, 2709, 3088, 3196, 3375, 2612, 3143, 3366, 2670, 2771, 3050, 2891, 3128, 3227, 3080, 3005, 3230, 3210, 4186, 3026, 3003, 3424, 2680, 2881, 2309, 2465, 2464, 2671, 2584, 3246, 3367, 2685, 3145, 3031, 3259, 3232, 3307, 3449, 4200, 4205, 4224, 3049, 3234]. **scientist** [3065, 3430, 3125, 3305, 2784, 2780, 2624, 2835, 2874, 2837, 2834, 2750, 2880, 3062, 3119, 3063, 3172, 3409, 4189, 2782, 3347, 3132, 2722, 3414, 4219, 3346, 2725, 4199, 2608, 2620, 2896, 2814, 2741, 3197, 3461, 2503, 2799, 2994, 2665, 2666, 2832, 3484, 3474, 4215, 3067, 3267, 3300, 3348, 4185, 2882, 3164, 2769, 4110, 4073, 4154, 4240, 4155, 4085, 3421, 4054, 4255, 4058, 4116, 4067, 4111, 4168, 2870, 3139]. **scientist/engineer** [2309, 2465, 2464, 2671, 2584]. **Scientists** [2901, 2921, 222, 4211, 1754, 3974, 2955, 2865, 3371, 100, 2941, 2907, 9, 4084, 2294, 2954, 2944, 3219, 2548, 2849, 2980, 961, 3283, 3457, 3460, 2355, 2929, 3140, 2518, 2649, 2653, 2499, 2998, 2487, 4197, 2924, 2825, 2895, 4095, 2928, 1644, 2915, 2920, 2967, 2837, 2317, 2967, 3808, 3755, 4034, 3918]. **scientists/condensed** [2487]. **scintillations** [783]. **scissors** [3463]. **Scope** [4120, 4078, 4060, 4106, 4057, 4062, 4110, 4082, 4241, 4232, 4254, 4056, 4055, 4231, 4073, 4123, 4069, 4154, 4177, 4184, 4113, 4118, 4061, 2057, 4240, 4084,

4155, 4248, 4251, 4173, 4072, 4052, 4178, 2191, 4163, 4252, 4081, 4156, 4162, 4235, 4257, 4259, 4085, 4108, 4068, 4119, 4242, 4250, 4105, 4165, 3421, 4107, 4157, 4112, 4114, 4115, 4117, 4159, 4161, 4158, 4160, 4164, 4121, 4122, 4244, 4249, 4054, 4083, 4053, 4080, 4079, 4169, 4170, 4234, 3476, 4071, 4255, 4070, 4066, 4077, 4166, 4167, 4260, 4253, 4064, 4063, 4086, 4171, 4174, 2501, 4059, 4109, 4058, 4116, 4067, 4172, 4176, 4233, 4175]. **Scope** [4258, 4111, 4168, 869, 4243, 4256, 4065, 2921, 2312, 2686, 2883, 3122, 3157, 3395, 3318, 3393, 3368, 3025, 3111, 3211, 3333, 3052, 3112, 3199, 3350, 2433, 2463, 2462, 2661, 2502, 2788, 2829, 4211, 4225, 2414, 2781, 2346, 2772, 2809, 2786, 2926, 2756, 2989, 3061, 3073, 3079, 3295, 3480, 3498, 3098, 3201, 2667, 2296, 2297, 2357, 3509, 2374, 4217, 2491, 2560, 2614, 2555, 2936, 3115, 3022, 3180, 3458, 3506, 4202, 2290, 2897, 2819, 3301, 2648, 2583, 2911, 3241, 2527, 2596, 2767, 2927, 3051, 3097, 2851, 2840, 2843, 3107, 2385, 2386, 2458, 2486, 2659, 2485, 2593, 2949]. **Scope** [2828, 3011, 3203, 3298, 3365, 2830, 2335, 2439, 2403, 2334, 2375, 2522, 2715, 2774, 2858, 3029, 3124, 2966, 3313, 3491, 3485, 4210, 2425, 2868, 4206, 2411, 3072, 2544, 3376, 2585, 3154, 2795, 2955, 2865, 3116, 3384, 2311, 2356, 2471, 2350, 2459, 2615, 2679, 2545, 2495, 2658, 2600, 2565, 2564, 2508, 2662, 2490, 2498, 2912, 2857, 2870, 2742, 2707, 2751, 2904, 2770, 2856, 2727, 3091, 2981, 3089, 3056, 3017, 3037, 3133, 3010, 3229, 3237, 3261, 3167, 3195, 3171, 3403, 3406, 3412, 3320, 3383, 3462, 3425, 4182, 4191, 4221, 2293, 2320, 2412, 2509, 2754, 2347, 2757, 3349, 3371, 3137, 2866]. **Scope** [3038, 2977, 3095, 3035, 3247, 2942, 2740, 2867, 2945, 2801, 2948, 3055, 2995, 3142, 3150, 3442, 3123, 3296, 2823, 2939, 2984, 3023, 2672, 2708, 3322, 3373, 3507, 4209, 2749, 2842, 3396, 2673, 2798, 2838, 2836, 2853, 2785, 3104, 3275, 3194, 3179, 3353, 3408, 3499, 3493, 3488, 4183, 2764, 3102, 3226, 3308, 2975, 3076, 3144, 3212, 3193, 2617, 2747, 2428, 2696, 2775, 2779, 3207, 2931, 3092, 3370, 3444, 2941, 2504, 2621, 2907, 3075, 3152, 3168, 2735, 2790, 2937, 2872, 2755, 3139, 3192, 3302, 3448, 3502, 2352, 2906, 2766, 2341, 2342, 2421, 2563, 2494, 2792, 2878, 2847, 3083, 3105, 2992]. **Scope** [3245, 3165, 3257, 2791, 2841, 2541, 2533, 2655, 2301, 2392, 3040, 3004, 2999, 2561, 2687, 2845, 3036, 2901, 2806, 2930, 3047, 3009, 3117, 2684, 4190, 4198, 2294, 2394, 2529, 2625, 2537, 2777, 2794, 2776, 3118, 2965, 3181, 3279, 3280, 3177, 3343, 3344, 3494, 3496, 3501, 3450, 3452, 3451, 4204, 4203, 4222, 2702, 2693, 2302, 2366, 2429, 2567, 2542, 2660, 2800, 2954, 2944, 3054, 3204, 3323, 3407, 2601, 2887, 3126, 2979, 3205, 4196, 3184, 3321, 2850, 3297, 2726, 2737, 3113, 3007, 3081, 3057, 3043, 2993, 3044, 3074, 3016, 2996, 3268, 3190, 3266, 3219, 3377, 3341, 3315, 3317, 3400, 3309, 3394, 3364, 3478]. **Scope** [3435, 3438, 3479, 3427, 3437, 3436, 3456, 3477, 3422, 3455, 3459, 2289, 2313, 2457, 2597, 2489, 2674, 2566, 2609, 2528, 2816, 2706, 2918, 3013, 3099, 4187, 2330, 2318, 2372, 2348, 2402, 2387, 2452, 2519, 2548, 2678, 2538, 2506, 2668, 2675, 2932, 2849, 2765, 2709, 2820, 2886, 2783, 2746, 3131, 3088, 3046, 2980, 3120, 3254, 3224, 3262, 3163, 3287, 3253, 3244, 3196, 3375, 3369, 3335, 3405, 3381, 2690, 3093, 3270, 3312, 3453, 2340, 2333, 2397, 2612, 3431, 3143, 3233, 3258, 3366, 3429, 2670, 3374, 2396, 3024, 2771, 2844, 2724, 3050, 3392, 3135,

2898, 2562, 3034, 3071, 3235, 3169, 3303, 3398, 3492, 2431, 2524]. **Scope**
 [2716, 3273, 2891, 3121, 3363, 3399, 3510, 3128, 3018, 3274, 3227, 3497, 2300,
 2365, 2353, 2523, 2817, 3382, 2703, 3114, 3108, 3202, 3200, 3269, 3277, 3401,
 3080, 3005, 2437, 2343, 2714, 2808, 3354, 3230, 3210, 2473, 2430, 2691, 3345,
 3415, 3446, 3445, 4186, 2292, 2371, 2435, 2623, 2539, 3100, 2367, 2351, 2379,
 2461, 2474, 2354, 2476, 2438, 2616, 2644, 2493, 2525, 2889, 2902, 2863, 3263,
 3283, 3187, 3186, 3182, 3340, 3423, 3457, 3454, 3487, 3460, 2299, 2682, 2505,
 2526, 3026, 3003, 3424, 3189, 3511, 2355, 2680, 3015, 2692, 2950, 2797, 3162,
 3447, 2688]. **Scope** [2916, 2881, 2929, 2748, 2738, 2923, 2933, 2864, 3078,
 2983, 3208, 3206, 2288, 2466, 2594, 2497, 2899, 2773, 3428, 2309, 2465, 2464,
 2671, 2584, 2753, 3140, 2973, 3058, 3246, 3367, 3027, 3030, 2395, 2455, 2427,
 2517, 2647, 2543, 2518, 2649, 2653, 2685, 2499, 2512, 2743, 2739, 2803, 2940,
 2884, 2946, 3084, 3145, 3031, 2998, 3259, 3232, 3307, 3351, 3449, 3486, 3432,
 4200, 4205, 4224, 3049, 3231, 3234, 3243, 3304, 3299, 3065, 3271, 2587, 2622,
 3430, 3125, 3216, 3218, 3305, 3310, 2694, 2796, 3006, 3053, 2839, 2908, 2681,
 2689, 2713, 2744, 2873, 2875, 2729, 2824, 2914, 2821, 2855, 2935, 2818]. **Scope**
 [2890, 2903, 2869, 2972, 3155, 3000, 3045, 3090, 2971, 2985, 3019, 3070, 3248,
 3238, 3166, 3282, 3316, 3500, 2652, 3276, 3272, 3103, 2460, 2664, 2877, 3240,
 3311, 555, 2295, 2467, 2434, 2449, 2651, 2778, 3106, 2332, 2472, 2432, 2487,
 2784, 2712, 3127, 3033, 3012, 3086, 4197, 3209, 3213, 3214, 2415, 2595, 2815,
 3094, 3332, 4201, 4223, 4218, 2780, 2624, 2835, 2874, 2924, 2837, 2834, 2760,
 2876, 2750, 2880, 3062, 3066, 3002, 3119, 2997, 3063, 3172, 3409, 4189, 3156,
 2393, 2974, 3413, 3490, 2436, 2391, 2380, 2580, 2657, 2581, 2677, 2521, 2676,
 2943, 2825, 2909]. **Scope** [2854, 2728, 2782, 2846, 3028, 3109, 3183, 3256,
 3188, 3347, 3314, 2441, 2440, 3132, 2611, 2500, 2520, 2607, 2556, 2513, 2705,
 2860, 2722, 3096, 2976, 3402, 3239, 2389, 2410, 2546, 2535, 3198, 2443, 2418,
 2416, 2419, 2695, 2510, 2511, 2833, 2711, 2745, 3064, 3414, 3380, 3489, 4208,
 4188, 4219, 2759, 3138, 3014, 3346, 2725, 2717, 2557, 4199, 2322, 2310, 2314,
 2390, 2496, 2608, 2620, 2701, 2896, 2814, 2741, 2895, 3197, 3225, 3228, 3461,
 2315, 2316, 2317, 2377, 2376, 2331, 2378, 2568, 2592, 2925, 2719, 2720, 2804,
 2879, 2888, 2805, 3148, 3059, 3146, 3141, 3255, 3264]. **Scope**
 [3265, 3319, 3362, 3339, 3404, 3391, 3410, 3440, 3482, 3441, 3481, 3434, 3483,
 3505, 3439, 3504, 3433, 3503, 4220, 2532, 2582, 2531, 2589, 2588, 2938, 2910,
 2913, 3048, 3151, 3149, 3285, 3281, 2718, 2579, 2723, 2978, 4216, 2442, 2468,
 2501, 3286, 2987, 2349, 2422, 2540, 2530, 2793, 2951, 2952, 2859, 2758, 2947,
 3236, 2982, 2409, 2298, 2401, 2424, 2398, 2370, 2400, 2368, 2399, 2369, 2423,
 2619, 3217, 3191, 3185, 3278, 3508, 2503, 2417, 2645, 2558, 3136, 2799, 2789,
 2488, 3147, 2321, 2618, 2807, 2826, 2905, 2994, 2968, 2654, 2444, 2683, 2492,
 2831, 2822, 2953, 2894, 3087, 2986, 3032]. **Scope**
 [2848, 2454, 2669, 2536, 2599, 2291, 2665, 2666, 3178, 2453, 2388, 2475, 2373,
 2426, 2413, 2470, 2613, 2646, 2590, 2507, 2591, 2559, 2656, 2663, 2484, 2885,
 2802, 2934, 2956, 2721, 2900, 2871, 2957, 2710, 2736, 2827, 2832, 2928, 3082,
 2970, 3134, 3068, 3001, 3069, 3153, 3020, 3110, 3085, 3129, 2969, 3041, 3021,
 3042, 3215, 3242, 3170, 3260, 3284, 3411, 3338, 3306, 3372, 3379, 3443, 3484,

3475, 3474, 3495, 4207, 4215, 2534, 2598, 2787, 3397, 2456, 3039, 3067, 3267, 3300, 3348, 4185, 2319, 2344, 2752, 2345, 2469, 2922, 2917, 2964, 3378, 3355, 2547, 2915, 2920, 2882, 2967, 2919, 2852, 2586, 2358, 2420, 2650]. **Scope** [2610, 2768, 3164, 2769, 2704, 2990, 2450]. **Scott** [3607, 2826, 4258, 3655, 3692]. **Scotti** [3031]. **Scottish** [275]. **scratch** [2162, 1488]. **Screen** [2668]. **Sea** [3372, 493, 776, 1035, 3372]. **sea-floor** [493]. **Sea-level** [3372, 3372]. **Seager** [2654]. **Sean** [3273, 2620]. **Search** [3195, 2044, 3423, 2186, 2970, 4314, 2225, 1189, 690, 3227, 1812, 3811, 4065]. **Searches** [1847, 3547, 1380]. **Searching** [3080]. **Searle** [3555]. **seas** [808, 3284]. **season** [1085]. **Seattle** [4256]. **seaweed** [1561]. **Sebastian** [3343]. **Sébastien** [3671]. **Second** [3201, 3875, 3274, 3234, 3065, 3863, 3255, 3458, 4248, 1721, 4201, 4244, 13, 61, 133, 3645, 1916, 3475, 3581, 4305, 2614]. **second-order** [13, 61, 2614]. **Secret** [4261, 4262, 4265, 2329, 4027, 2772]. **Secrets** [2532, 2070, 2813, 1826]. **section** [240, 79]. **sector** [4233]. **secured** [3504]. **security** [2228]. **Sedlmayr** [3309]. **see** [3624]. **Seed** [4050]. **seeding** [1117]. **Seeing** [1806, 3472, 3968, 2506]. **seeking** [1936]. **seemingly** [3525]. **seen** [1801, 362]. **Seestrom** [3590]. **Segal** [3753]. **Segrè** [1265]. **Seidemann** [2727, 3069, 3685]. **Seideman** [2628]. **Seiringer** [2601]. **Seismic** [3614]. **Seismology** [3007, 4080, 3717, 3722]. **Seitaridou** [3186]. **Sekino** [3630]. **Selcuk** [3995]. **Selecta** [2368]. **Selected** [848, 3885, 3747, 3551]. **selection** [5, 2215]. **selenium** [962]. **Self** [1027, 2461, 2998, 2014, 979, 3070]. **Self-Assembled** [2461, 2014]. **self-diffusion** [979]. **Self-Organised** [3070]. **Self-Organized** [2461, 2998]. **Self-trapping** [1027]. **Selling** [4057]. **Selsis** [2387, 2476]. **Semi** [2686, 2807]. **Semi-Classical** [2686, 2807]. **Semiclassical** [1955, 3933, 4141]. **Semiconducting** [558, 559]. **Semiconductor** [3013, 2932, 964, 3530, 201, 1503, 4220, 2014, 2421, 4162, 2538, 3030, 2946, 2805]. **Semiconductors** [2942, 2792, 3083, 1363, 571, 2573, 1326, 1308, 1285, 2096, 518, 1030, 1211, 901, 542, 135, 1748, 1311, 679, 543, 1289, 1588, 532, 2878, 3257, 3764, 3451]. **Semimetals** [679]. **seminar** [69]. **Sen** [3540, 3539, 2545]. **Sénéor** [3736]. **senior** [2293, 2525, 2889, 3186, 2295, 2442, 2683]. **sense** [3848, 3949, 3731, 3645]. **Sensing** [2288, 896, 1572, 1751, 2584, 3231]. **Sensitivity** [2354]. **sensor** [4251]. **Sensors** [3407, 3084, 2717, 1191, 1820, 1896, 3862, 3951, 3013, 3745]. **sensorship** [1058]. **separation** [172, 1496, 863, 2209]. **September** [193, 156, 89, 278, 277, 76, 242]. **sequence** [363]. **Serbo** [4187]. **Sergei** [4223, 2879, 2832]. **Sergey** [2563, 3040, 2746]. **Sergio** [3646, 3184, 3511, 3565]. **Series** [2926, 3116, 2806, 4190, 2794, 3013, 2288, 2455, 2884, 3145, 4205, 2295, 3132, 2416, 2378, 2804, 2888, 3147, 409, 4198, 2344, 2253]. **Serjeant** [3436, 2591]. **Serpengüzel** [2787]. **service** [397, 2211, 792]. **Serving** [3253]. **session** [177]. **Sessler** [3349]. **Set** [3353, 3246, 3119, 2086, 3509, 2795, 3626, 4255]. **Seth** [2585]. **Sethna** [4175]. **sets** [2153]. **Seven** [3244, 1833, 4191]. **seventeenth** [23]. **seventieth** [694]. **Sevia** [3504]. **Sevrin** [3133]. **Sh** [2466]. **Sha** [3402].

shadow [1273, 4023]. shake [1101]. **Shaking** [1571]. **Shalae**v [2791].
 shallow [3867]. **Shamonina** [2458]. **Shane** [2584]. **Shanmuganathan**
 [3657, 3658]. **Shape** [2807, 457, 1627]. **shaping** [3418, 3357, 483]. **Shapira**
 [4255]. **Shapiro** [3065, 2649]. **sharing** [2862]. **Sharon** [2537]. **Shattered**
 [3758]. **Shatterer** [1092]. **Shattuck** [3607]. **shear** [2406]. **Shedding** [3396].
Shell [2689, 2514]. **Shellard** [2599]. **Shells** [3309]. **Shelton** [2607, 1146].
Shen [4250]. **Shepard** [3737]. **Sherwood** [4097]. **Shifman** [4030, 2875].
shift [3078]. **Shifting** [2807]. **Shigeji** [3501]. **Shigeru** [3103]. **Shik** [2930].
Shima [3544]. **Shimabukuro** [2486]. **Shimada** [2925]. **Shimakawa** [3764].
Shimon [3163]. **Shimony** [3386]. **shine** [3228]. **shining** [2551]. **Shinn**
 [3433]. **Shiung** [3299]. **Shlomo** [3110]. **Shock** [234, 223, 2974]. **Shoenberg**
 [1057]. **Shong** [2773]. **Shoogo** [3630]. **Shoot** [3870]. **Shore** [2847, 2366].
Short [947, 957, 974, 986, 996, 1004, 1017, 1032, 1061, 1087, 1320, 1330, 1345,
 1353, 1361, 1368, 1376, 1383, 1397, 1447, 1492, 1499, 1612, 1860, 1868, 1877,
 1890, 1909, 1930, 1940, 1962, 1986, 2091, 2105, 2111, 2118, 2139, 2144, 2790,
 2323, 2477, 3120, 3018, 3263, 2434, 2426, 2650, 2990, 3757, 3622, 3651, 3790,
 3805, 4016, 468, 464, 4073, 3599, 3856, 4095, 2413, 161, 174, 182, 190, 200].
Shortcuts [3164]. **Should** [3009]. **Shouyun** [3441]. **Shuang** [3542].
Shubina [3530]. **Shubnikov** [3984]. **Shultis** [2860]. **Si** [2892, 561, 797].
Sibtain [2876]. **Siddhartha** [3540]. **Side** [2589, 3670]. **Sidney** [3911, 2619].
Signal [2766, 2419, 2975]. **Signals** [2766]. **Signatures** [4311, 4150, 3869].
significance [951, 1652]. **Signs** [2049]. **Silicon**
 [1007, 1177, 287, 878, 1257, 3481, 3141]. **Silva** [2771, 2608]. **Silvan** [3945].
silver [991, 432]. **Silverman** [3414]. **Similarities** [2345]. **similitude** [4222].
Simm [3614]. **Simmons** [4183]. **Simon** [848, 3322, 3553, 3457, 3259].
Simons [3948]. **Simple**
 [3302, 3807, 410, 4210, 1657, 339, 355, 3563, 385, 514, 1210, 3142, 3186].
simpler [3222]. **Simplicity** [3380]. **Simulating** [3022, 1787]. **Simulation**
 [3023, 1091, 2061, 3842, 2660, 4217]. **Simulations**
 [3127, 3147, 3518, 2927, 3476]. **simulator** [501]. **Sine** [2206]. **Sine'-phony**
 [2206]. **Singapore** [4106, 4010, 4062, 4225, 4254, 4056, 4055, 4231, 4028, 4123,
 4069, 4113, 4030, 4163, 3999, 4029, 4044, 4024, 4108, 4068, 4119, 4098, 4196,
 3998, 3423, 4112, 4114, 4099, 4121, 4083, 4080, 3996, 4255, 3337, 4096, 4220,
 4086, 4004, 4033, 3997, 4067, 4172, 2846]. **Singh** [4240, 2348]. **Single**
 [3250, 3364, 2132, 2108, 121, 2076, 4212, 2381, 212, 2814]. **Single-photon**
 [2132, 2381]. **Singular** [3682]. **singularities** [3477]. **singularity** [3859]. **Sir**
 [2335, 1757, 2765, 1205, 648, 796, 331, 1136]. **Sirenko** [3747]. **Sirius** [2438].
Sirohi [2557]. **Siscoe** [2993, 2721]. **Sitter** [3560]. **Sivia** [2633]. **Sixth** [3286].
size [299, 1237, 3982]. **Sizes** [3283]. **skeletons** [2041]. **Skidding** [6]. **skills**
 [4057]. **Skinner** [3260]. **skirmish** [2167]. **Skobel'tsyn** [555]. **Skomski**
 [3142]. **Skorobogatiy** [2341]. **Sky**
 [2439, 3472, 2022, 4296, 4297, 3643, 2215, 3615, 3135, 3427, 3668]. **skylight**
 [3251]. **Skyrmions** [3992, 3872]. **Slavik** [3119]. **Slawinski** [4080, 2776, 2702].
slip [1737]. **slit** [212]. **Sloan** [2022]. **Slough** [334]. **Slow**

[659, 2094, 3835, 2155, 2342]. **slow-neutron** [3835]. **Sluckin** [2668]. **Small** [3405, 3283, 3404, 1358, 1833, 372, 546, 3534]. **small-scale** [372]. **Smart** [2006]. **smell** [2602]. **Smilga** [4163]. **Smirnov** [3610]. **Smith** [1092, 4040, 3597, 3016, 3283, 2778, 2436, 3615]. **smooth** [1215]. **Snow** [1096, 2256, 1570, 2255]. **snowflake** [1622, 1782]. **Snyder** [2794]. **Soap** [1199, 2260, 2668, 2259]. **Social** [3031, 3306, 1952, 4093]. **Society** [158, 554, 38, 51, 36, 76, 37, 39, 97, 143, 194, 64, 811, 308, 605, 442, 261, 214, 276, 350, 2506]. **sociological** [2191]. **sociology** [3664]. **Soffel** [2727]. **Soft** [2616, 314, 1960, 3505, 3675]. **softback** [4225, 4123]. **softcover** [4176]. **software** [3476, 2670]. **soil** [529, 3786]. **Sokolov** [2825]. **Solar** [224, 2737, 2993, 1583, 2891, 2295, 3028, 3136, 2832, 3443, 891, 4252, 3886, 4037, 218, 1911, 4054, 2223, 1572, 2404, 4316, 2898, 2839, 2440]. **Solid** [453, 2537, 2873, 2987, 1055, 2488, 3659, 1742, 3960, 466, 731, 1528, 900, 1602, 1670, 1243, 2040, 4096, 39, 3213, 4009, 2865]. **Solid-state** [453, 3659, 1742, 1528, 39, 2865]. **solidification** [723]. **Solids** [375, 2897, 4269, 3424, 2712, 142, 1615, 1146, 826, 4247, 92, 114, 756, 1027, 602, 1129, 711, 1010, 47, 386, 401, 847, 857, 552, 970, 1298, 809, 827, 2667, 440, 2522, 2966, 2749, 2703, 3108, 2466, 4178, 3616, 4006, 3632]. **Soliton** [3504]. **Solitons** [2999, 2544]. **Solomon** [4048]. **Solution** [3212, 2653, 3193, 2186, 3401]. **Solutions** [2781, 2999, 2457, 2706, 3233, 4210, 1435, 3895, 2235, 3633, 3052, 2786, 2987, 2705, 3830, 3952]. **solvable** [3652]. **Solvation** [3118]. **Solvay** [3133]. **Solve** [2518]. **Solved** [3114, 4187, 2781]. **Solving** [4272, 2649, 3960, 4201, 4258, 4003]. **Solymer** [2458, 3647]. **Some** [771, 861, 162, 630, 838, 236, 295, 862, 580, 1602, 963, 135, 1421, 447, 214, 276, 350, 12, 228, 2661, 2170, 438, 1529, 537, 3735, 738, 1082, 3929]. **Something** [1050, 4194]. **somewhere** [2133]. **Sommerfeld** [2585]. **sonar** [2307]. **Sondergaard** [3483]. **Song** [3145]. **Sonic** [856]. **Sonnenschein** [2622]. **Sonoluminescence** [1848]. **Soo** [2932]. **Soo-Jin** [2932]. **Soukoulis** [2300]. **Soul** [3253]. **Souma** [2657]. **Sound** [2216, 1792, 2550, 4244, 1527, 3765]. **Sound-producing** [1792]. **sounding** [729]. **sounds** [399]. **Source** [2451, 2789, 658, 1885, 2449]. **sources** [3250, 752, 2381, 436, 924, 978, 2132, 3387, 3581, 3792, 4058, 4215, 1414, 7]. **South** [315]. **Soviet** [3938, 2008]. **Space** [1098, 1164, 2648, 3072, 2545, 2981, 3261, 3406, 3137, 1745, 2984, 1589, 1874, 1714, 2993, 3821, 10, 281, 305, 312, 329, 337, 344, 2889, 3276, 3106, 3471, 2718, 1482, 2370, 2492, 439, 2590, 2721, 1974, 2195, 3644, 671, 2382, 1002, 2063, 445, 1697, 1760, 660, 2143, 3794, 1228, 654, 4121, 1606, 3558, 3693, 3467, 4253, 3595, 1304, 85, 1751, 228, 1278, 1282, 2453, 3850, 1659, 3746, 2652, 2780, 3355, 3164, 4137, 3296, 3627, 4186, 3182, 2449]. **Space-charge** [439]. **space-science-and-public-engagement** [4186]. **space-time-matter** [4121]. **Spacecraft** [2453, 435, 1021, 1006]. **Spacelab** [843]. **Spacetime** [2524, 4293, 4294, 4295, 4191, 2153, 4036, 3437, 3153, 4141]. **spacious** [1084]. **Spain** [968, 1507]. **Spallation** [924]. **Spark** [230]. **Sparse** [3449, 4310]. **spatial** [1776]. **Special** [3461, 82, 3560, 457, 2155]. **specialised** [3183].

Specialist [4110, 3310, 555, 869, 4120, 4078, 4060, 4106, 2686, 2883, 3157, 3395, 3333, 3112, 2433, 4225, 2756, 3098, 2296, 2357, 4241, 2555, 3022, 3506, 2843, 2593, 3203, 3298, 2335, 2334, 3313, 2795, 3116, 2545, 2565, 3091, 3089, 3010, 3229, 3261, 3171, 4154, 1241, 1247, 2754, 2757, 3349, 3371, 3137, 3038, 3095, 3035, 3247, 3442, 2984, 2798, 2838, 2785, 3194, 3179, 3353, 2735, 2872, 2755, 3502, 4155, 4248, 2791, 1229, 2841, 3036, 2806, 4072, 2429, 2660, 2887, 3205, 4068, 3184, 3081, 3074, 2996, 3190, 3309, 3394, 3479, 3477, 2313, 2330, 3131, 3093, 2771, 3050, 3392, 2898, 3034, 3398]. **specialist** [3492, 2431, 2524, 3273, 3399, 3128, 3080, 3005, 2437, 2808, 3230, 3210, 3445, 4186, 2435, 3340, 3026, 3003, 3424, 2680, 3078, 2983, 2288, 2466, 2973, 3058, 3246, 3145, 3232, 3307, 3449, 4200, 4205, 3065, 3430, 2839, 2652, 2449, 2651, 2784, 3086, 3213, 2415, 3094, 3332, 2624, 2837, 2834, 2760, 2876, 2750, 2880, 3119, 3172, 3409, 2521, 2846, 3256, 3347, 2441, 2440, 3402, 2546, 2443, 2695, 4255, 4219, 3346, 2725, 2322, 2310, 2314, 2390, 2701, 2896, 2741, 3228, 3461, 2315, 2316, 2376, 2378, 2879, 3148, 3404, 3391, 3410, 3440, 3482, 3434, 3505, 3439, 3504, 3433, 3503, 2349, 2793]. **specialist** [2400, 3217, 2799, 2822, 3087, 3032, 2665, 2666, 2832, 3484, 4058, 4067, 4215, 2598, 3397, 3039, 3067, 4168, 2882, 2769, 4062, 4069, 4113, 4061, 2057, 4165, 4172].

Specialist/postgraduate [555]. **specialists** [2921, 3318, 3333, 4211, 2989, 2851, 2843, 2828, 2955, 2912, 3056, 3349, 3137, 3095, 3035, 3150, 3104, 2988, 3444, 2907, 3152, 4155, 2930, 2684, 3496, 2542, 2954, 3407, 2737, 3113, 3007, 3057, 2993, 3044, 3016, 3268, 3266, 3219, 3364, 3422, 2387, 2519, 3262, 3163, 2340, 3121, 3128, 3018, 3210, 3415, 4186, 3283, 3423, 2505, 2688, 2916, 2748, 2923, 2649, 3432, 4200, 4205, 3234, 3218, 2908, 2778, 3066, 2943, 2909, 2833, 2711, 2745, 3014, 2717, 3225, 3461, 2925, 2582, 2910, 2913, 2468, 2501, 2789, 2826, 2986, 3178, 3134, 2964, 2919, 2650, 2610, 2769, 4254].

specialists/Scope [2501]. **specific** [1049, 935]. **specifying** [2463].

specimen [4114]. **Speckle** [1999, 1023]. **spectra** [314, 657, 135, 555, 2788, 3631]. **Spectral** [2561, 2468, 1442, 3686, 753, 3732].

Spectrographs [2504]. **spectrology** [495]. **spectrometer** [1076].

spectrometers [1020]. **spectroscope** [116]. **Spectroscopic** [2007, 1428, 1788, 204, 210]. **Spectroscopies** [3408]. **Spectroscopy** [3395, 2788, 2386, 2865, 4269, 2975, 2779, 2878, 1162, 658, 2678, 3424, 2295, 2750, 692, 1204, 3506, 1217, 1225, 103, 3646, 1161, 3223, 916, 1934, 760, 1762, 2963, 1349, 1881, 216, 1056, 693, 917, 386, 401, 1670, 4112, 1489, 447, 705, 4245, 1197, 1826, 698, 699, 2326, 915, 2788, 2555, 2696, 2541, 2680, 4112, 4169, 44, 3773, 3392, 2547, 3933]. **spectrum** [1090, 1488, 3615]. **Speculations** [2658, 2343, 3502]. **Speed** [2538, 652, 1012, 1176]. **speeds** [517]. **spheres** [4206]. **Spin** [1607, 1862, 912, 913, 3373, 1106, 3269, 3209, 3214, 3539, 2184, 1998, 4119, 839, 653, 1494, 1076, 3937, 3184, 3827]. **Spin-down** [1607].

spin-echo [1076]. **spin-orbit** [4119]. **Spin-polarized** [1862]. **Spinning** [1436, 3191]. **Spinor** [4228]. **Spins** [411, 2076, 4029]. **Spintronics** [3030].

spiral [1836]. **spiritual** [18]. **Spontaneous** [1922, 3822, 3820, 2102].

Spooky [1839]. **Sports** [2851, 2582]. **Sprawls** [3119]. **spread** [1347, 4219].

Springer [4149, 4110, 4254, 4018, 4154, 4191, 4118, 4155, 2806, 4148, 2794, 4031, 4047, 3993, 3957, 4091, 4115, 4159, 4160, 2288, 4218, 4208, 2378, 2804, 4220, 4171, 4059, 4145, 2344]. **Springer-Praxis** [4059]. **Springford** [1057]. **sputtered** [1162]. **Spyridon** [3581]. **square** [1334, 1190]. **squares** [2549]. **Squeezing** [1387]. **SQUID** [1038]. **Squires** [2955, 3813]. **Sreenivasan** [3143]. **Sridevi** [3351]. **Srivastava** [4259]. **SSC** [1600]. **Stability** [3241, 2601, 992, 1309, 1738, 3626]. **stabilized** [1413]. **stable** [1380]. **Stacey** [2646]. **Stachel** [3473]. **stage** [3494, 3450, 3452, 4081, 4259, 3258, 3429]. **Stallard** [4042]. **Stamps** [4009]. **Standard** [2744, 3316, 2595, 2322, 2631, 4177, 3769, 3783, 3430, 616, 3731, 3847, 4270, 1804, 2554]. **Standards** [874, 468, 687, 2038, 2087, 1401, 2327, 1554]. **Stanescu** [3785]. **Stanislaw** [3059]. **Star** [3400, 2505, 610, 3348, 3602, 3860, 3993, 3416, 1530, 4091, 2780, 3228]. **star-forming** [3860]. **star-shine** [3228]. **Stargates** [4315]. **Stargazing** [2420]. **Starikov** [2807]. **starlight** [4013]. **starring** [2236]. **Starry** [3472]. **Stars** [3456, 2748, 3106, 2970, 3039, 3267, 643, 609, 4213, 2122, 3477, 3891, 3970, 902, 1882, 984, 4114, 4302, 1512, 2501, 2433, 3152, 2923, 3234, 2501, 3001, 3553, 3364, 3456, 3018]. **Starships** [4315]. **Started** [2420]. **Starzewski** [4061, 2410]. **State** [1888, 2537, 2873, 2987, 3520, 381, 1049, 4009, 871, 1935, 3659, 1777, 58, 453, 678, 1742, 564, 3960, 466, 4051, 1528, 900, 1673, 1602, 820, 4096, 736, 39, 2865]. **state-of-the-art** [3520]. **States** [3460, 4306, 722, 1765, 2217, 3386, 1879, 4138, 1776, 2290, 2369]. **Station** [3276, 89, 168, 277, 264, 278, 334]. **Statistical** [2502, 1409, 1424, 3376, 3038, 2740, 2823, 2406, 608, 2351, 2940, 2587, 2657, 3183, 3132, 2416, 2510, 2368, 2619, 2454, 2665, 3178, 2475, 1483, 1437, 4217, 3934, 3715, 3663, 3507, 3591, 3820, 3819, 2208, 3584, 3864, 3831, 4188, 3760, 4095, 907, 4185, 2560, 4184, 2872, 2766, 4052, 2625, 3557, 2497, 3214, 2676, 3188, 4175]. **statisticians** [2354]. **statistico** [3798]. **statistico-mechanical** [3798]. **Statistics** [2465, 2888, 4148, 2259, 1199, 2260, 3577, 2888]. **status** [1475, 3174]. **steady** [240, 736]. **steady-state** [736]. **Steane** [3037, 3150, 3679, 3756]. **Steel** [4199]. **Steering** [2061]. **Stefan** [3895, 3321, 4017, 3246, 3248, 2627, 3379]. **Stefano** [3659, 3075]. **Stefanucci** [3090]. **Steiner** [2443]. **Steinmetz** [2880]. **Stellar** [2621, 4282, 3007, 3422, 2898, 2440, 611, 755, 1801, 3970, 59, 436, 3928, 3897, 3990, 2468, 2626, 2907, 3364, 3422, 2620, 3586]. **Stenger** [2753, 3521]. **Stenholm** [2770]. **step** [4103, 2960]. **Stepanov** [3007]. **Stephan** [2757, 4081, 2805, 3265]. **Stéphane** [2929]. **Stephen** [3618, 3171, 3035, 3192, 3436, 3262, 3345, 2455, 2511, 2711, 2758, 2599, 2990, 4117]. **Steps** [2318, 2825]. **Stern** [3673]. **Steur** [4099]. **Steve** [2457, 4136]. **Steven** [4057, 3561, 3081, 4150]. **Steves** [2839]. **Steward** [2854]. **Sticky** [1010]. **Stigmatic** [4170]. **Still** [1936]. **stimulated** [832]. **stimulation** [3630]. **Stishov** [4055, 4223]. **Stochastic** [3123, 3449, 2821, 3132, 2419, 3014, 2361, 4310, 3765, 4268, 2699, 3514, 4141, 3489, 1844, 2285, 2931, 3486, 2782, 3256, 2419, 2745]. **stochastics** [3720].

Stockholm [3088, 834]. **Stocks** [2419]. **Stokes** [2765, 3573, 2765]. **Stone** [3097, 3703, 3129]. **Stoof** [2525]. **storage** [3767, 680, 1896, 4049, 1271, 3174]. **store.ioppublishing.org** [4201]. **Stories** [2491]. **Storm** [156, 3066, 2663]. **Storms** [2721, 3787]. **Stormy** [3284]. **Story** [3318, 3403, 2867, 2506, 3088, 2694, 3106, 2645, 3609, 3844, 4155, 1651, 3477, 4037, 1681, 3777, 1916, 1917, 3662, 3981, 3268, 4256]. **Stott** [3099]. **Stradivari** [2532]. **straight** [2146, 240]. **straightforward** [2176]. **strain** [1012]. **Strand** [3119]. **Strange** [267, 3380, 722, 3662]. **Strangeway** [3627]. **strategic** [4234]. **Strategies** [2354, 2387]. **Straten** [3598]. **stratosphere** [3468, 3468]. **streamer** [2137]. **Strength** [409, 873, 24, 434]. **Strengthening** [3154]. **stretching** [2077, 805]. **strike** [1844]. **String** [2786, 2856, 3004, 3523, 3583, 2163, 3783, 4181, 4321, 2893, 3873, 4029, 3219, 4131, 4233]. **Strings** [1830, 2141]. **Stripes** [3214]. **Strocchi** [3125]. **Strominger** [4085]. **Strong** [272, 1372, 2221, 895, 3176, 680, 4050, 3659]. **strong-field** [2221]. **Stroschio** [2377]. **Structural** [992, 4217, 950, 3432, 4215]. **Structure** [1091, 2966, 2545, 355, 2621, 2539, 2680, 2487, 3265, 3048, 911, 4149, 19, 1204, 3, 600, 666, 1758, 874, 339, 1187, 1163, 1738, 670, 4081, 1665, 4085, 2514, 81, 1706, 1428, 3832, 4159, 4151, 901, 762, 3665, 4122, 651, 3903, 2053, 3707, 809, 74, 84, 2366]. **Structures** [2672, 2847, 3930, 2675, 3046, 2517, 3310, 2869, 2389, 782, 2195, 1547, 3872, 546, 629, 1727, 800, 3496, 295, 1712, 725, 1831, 1635, 1278, 1282, 2461, 2797]. **Struggle** [3253]. **Stuart** [4177, 2826, 2365]. **Student** [3212, 2944, 3258, 4289, 3411, 3868, 3946, 2350, 3692, 3955, 3793, 3936, 4105, 3189, 3511, 4161, 4079, 4169, 4170, 4234, 2422, 2503, 4079]. **student/research** [2503]. **Students** [3114, 4078, 3025, 2297, 2290, 2385, 2458, 2486, 2659, 2485, 2425, 2868, 2411, 2749, 2842, 16, 2352, 2341, 2342, 2421, 2563, 2294, 2366, 2567, 3438, 2457, 2597, 2489, 2566, 2609, 2528, 2816, 2706, 2918, 3013, 4187, 2402, 2396, 2473, 2351, 2461, 2354, 2438, 2902, 3187, 3186, 3182, 3454, 3206, 4114, 2517, 2543, 2518, 2653, 2499, 2512, 2743, 2739, 2803, 2940, 2884, 2946, 2998, 2295, 2467, 2825, 2418, 2416, 2419, 2510, 2511, 2833, 2711, 2745, 3064, 2895, 2579, 2399, 2683, 2831, 2894, 2454, 2453, 2388, 2475, 2613, 2646, 2591, 2663, 2885, 2956, 2900, 2710, 2969, 2345, 2358, 2704, 4117]. **students** [2451]. **students/researchers** [2831, 2894]. **Studies** [2333, 2354, 1149, 423, 2108, 791, 287, 1428, 1788, 2062, 768, 352, 879, 2512]. **Study** [40, 4321, 177, 782, 1137, 388, 675, 687, 587, 629, 744, 657, 30, 926, 74, 2358]. **studying** [2567, 385, 833]. **Stuff** [3403, 3182]. **Styer** [2768]. **Sub** [3550, 2500, 2195, 1233]. **Sub-cycle** [3550]. **sub-millimetre** [1233]. **sub-Planck** [2195]. **Sub-Surface** [2500]. **Subatomic** [3171, 2314]. **Subhas** [4251]. **subject** [584]. **subjects** [4211]. **submicron** [1737]. **substitutions** [3749]. **substrate** [1529]. **substructure** [2257, 1097, 2258]. **Subtle** [2661, 1165]. **success** [2384]. **Sudipta** [4169]. **Suetens** [2464]. **Sugano** [2417]. **suggested** [3727]. **Sultana** [2788]. **Suman** [2585]. **Sumeet** [2943].

Sumigawa [2925]. **Summer** [3772, 40, 2760, 2846, 2322, 3836]. **Summons** [2387]. **Sun** [250, 2843, 1523, 1801, 2302, 3003, 2380, 2086, 3693, 2501, 1826, 2559, 3553, 4115, 3400, 3332]. **sunsets** [1561]. **sunspots** [3777]. **sunstone** [3251]. **Super** [1938, 2603, 3948, 2190, 2360, 3537, 2675, 3795]. **Super-Earths** [2603]. **super-LHC** [2360]. **super-resolution** [3537, 3795]. **supercapacitors** [4250]. **supercollider** [1600]. **Superconducting** [3371, 618, 3024, 4152, 2169, 1600, 1073]. **Superconductivity** [523, 1609, 1166, 825, 1009, 1715, 3728, 1769, 477, 1543, 1128, 1494, 376, 492, 3819, 2858, 2413]. **superconductivity-ten** [1769]. **superconductors** [1139, 873, 4226, 371, 1993, 3277, 4094, 3474]. **Supercontinuum** [2725]. **Superdeformed** [1348]. **Superfluid** [1172, 4306, 1532, 2573, 3635, 730, 1107, 1942, 2277, 1737, 3460]. **Superfluidity** [2330, 2185]. **Superfluids** [3187, 1942, 2276]. **supergiants** [3865]. **supergravity** [1335]. **superheating** [805]. **Superheavy** [1324]. **Superionic** [918]. **Superlattice** [2785]. **superlattices** [2361]. **Supermassive** [3963, 2013]. **supernatural** [2099, 2081]. **supernova** [1355]. **Supernovae** [3075, 2929, 3039, 1415]. **Superradiance** [1065]. **Supersolidity** [2185]. **Superstars** [2929]. **superstrings** [1434, 1374, 2509]. **superstructures** [1537]. **Supersymmetric** [2953, 3511, 2947]. **Supersymmetry** [1335, 2926, 1932, 2044, 3783]. **supplement** [2301]. **supplementary** [3311]. **support** [4057, 675, 4286, 3438]. **Supramolecular** [2795]. **Suprathreshold** [2419]. **Surface** [1420, 2340, 448, 1277, 2500, 2919, 728, 2228, 1143, 535, 1295, 768, 1057, 1517, 1028, 3890, 531, 1023, 33, 161, 174, 182, 190, 200, 3962]. **surfaces** [1119, 1163, 717, 625, 1670, 1055, 915, 1395]. **Surfing** [3838]. **surgery** [2233]. **Surges** [3372]. **Surprising** [3400]. **Surrow** [3754]. **Survey** [869, 1169, 1242, 2294, 3577, 30, 3197, 119, 2022]. **Susan** [3590]. **Sushkov** [3492]. **Suspension** [2767]. **Sussman** [3264]. **Sustainable** [4049, 3892]. **sustaining** [2364]. **Susumu** [3409]. **Sutton** [4198]. **Suzanne** [2533]. **Suzuki** [3501]. **Svelto** [2736]. **Sven** [3320, 3119]. **Sven-Erik** [3119]. **Svistunov** [3460]. **swampland** [4181]. **Swamy** [2996, 2345]. **Swapan** [3543]. **Swarup** [2348]. **Swendsen** [3178]. **Swimming** [2337, 1249]. **swing** [3700]. **switching** [4213, 1594, 506]. **Switzerland** [4018, 4154, 4155, 4148, 3957, 4091, 4115, 4208, 4171, 4145]. **Swope** [2417]. **symbolic** [3996]. **symbols** [810]. **symmetric** [2138]. **symmetrical** [637]. **Symmetries** [2349, 3061, 4177, 1926, 4008, 354, 2244, 3358, 1569, 2301, 3801, 2243, 2535, 2758]. **Symmetry** [4269, 1938, 3354, 3424, 4226, 2540, 2793, 3971, 3758, 908, 4164, 2183, 1647, 2869, 2859, 3711, 3930, 3344, 3305, 3310, 2432, 3812, 2894]. **symphony** [3291]. **Symposia** [2737, 2467]. **Symposium** [2727, 3308, 834, 819]. **Syms** [3647]. **Synchronisation** [3638, 3820, 3466, 2285]. **Synchronization** [2060]. **synchrotron** [2355]. **synchrotron** [884, 658, 437, 3467, 4215]. **Synergetic** [3095]. **synoptic** [2519]. **Synthesis** [4180, 1892, 700]. **Synthetic** [3418, 4119]. **Syono** [2472]. **System** [2737, 3443, 390, 4139, 387, 283, 4037, 218, 1849, 1572,

2219, 4316, 3165, 2832, 4173, 4054, 3136]. **systematic** [396]. **systeme** [560]. **Systems** [3047, 2476, 3340, 2869, 3090, 3311, 3033, 2760, 2745, 1140, 3362, 2536, 3129, 3766, 1622, 1317, 1469, 2136, 125, 2320, 3747, 3889, 2087, 999, 1008, 3496, 3920, 2325, 665, 3517, 2734, 731, 1474, 1871, 1807, 1911, 4019, 4249, 3735, 3833, 738, 2166, 3476, 2179, 1512, 4088, 1006, 3746, 4243, 3393, 3022, 2330, 3374, 3162, 2839, 2824, 2821, 3209, 2695, 2315, 3339, 2994, 2444, 2453, 3663, 3554, 3659, 3591, 3678, 4017, 3894, 3905, 3951]. **Szabó** [3247, 2786, 3247]. **Szalma** [3653]. **Szwacka** [2769]. **Szwacki** [2769].

ʼt [2397, 3379, 3757, 2346, 2893, 3301, 3699, 2385, 2485, 3203, 2334, 2350, 2751, 2981, 3373, 2617, 3626, 2394, 3054, 3999, 3043, 3705, 3577, 3627, 3689, 3754, 3797, 4037, 4042, 2313, 2243, 2353, 2691, 2476, 2644, 2525, 2773, 2685, 3789, 2935, 3209, 3613, 3402, 4129, 2720, 3813, 3812, 3236, 2900, 2957, 3085, 3067, 1580]. **T.-Y** [3999]. **Ta-Pei** [3071]. **Tabakov** [3119]. **Tabar** [2332]. **table** [3758]. **Tables** [3083, 3711]. **tablets** [1766]. **Tadmor** [2874]. **Tagmatarchis** [3051]. **Tahir** [4254]. **tail** [1921]. **Tailored** [4242]. **Takahiro** [2925]. **Takashi** [3184, 3103, 2925, 2789]. **Takayuki** [2925]. **Take** [361, 2246, 2245]. **Takeuchi** [2635]. **Taking** [239]. **Tale** [3244, 2163]. **Tales** [2548, 3739]. **Tamar** [2628]. **Tamblyn** [2708]. **Tanaka** [4015]. **tandem** [73]. **Tang** [3299]. **Tang-Fong** [3299]. **tangled** [2570]. **Tanner** [4006]. **Tannoudji** [2921]. **Tanton** [3689]. **Tanury** [3343]. **targeted** [3706]. **targets** [2307]. **TASI** [4321, 2322, 4028]. **TASI-2006** [2322]. **Tasker** [4150]. **Tatiana** [3530]. **Tatsu** [2635]. **Tatsuya** [2789]. **Taylor** [4257, 3277, 2517, 2725]. **teach** [63]. **Teacher** [3178, 4120, 4078, 4060, 4106, 2686, 2883, 3395, 3318, 3211, 4225, 2851, 2843, 3107, 2593, 3298, 2565, 3089, 3056, 3237, 4123, 3349, 3137, 4113, 3038, 3095, 3035, 3247, 2823, 2785, 3353, 3408, 3488, 3092, 2621, 3168, 3139, 3448, 3036, 4072, 4178, 4190, 4198, 2693, 3407, 2887, 3184, 3317, 3435, 3270, 2612, 3233, 4165, 3398, 3492, 3128, 3018, 3274, 3210, 4186, 2881, 3428, 2685, 3084, 3145, 3259, 3232, 3307, 3351, 3449, 3486, 4200, 4205, 3231, 3243, 3430, 2874, 2760, 2876, 3066, 3119, 4054, 2722, 4071, 4208, 4188, 4199, 3197, 3225, 3461, 3148, 3141, 3391, 3151, 3285, 3286, 3087, 3032]. **teacher** [2665, 2666, 3306, 2650, 3164, 2769, 4084, 4171]. **teachers** [2921, 342, 2989, 2865, 2981, 2866, 2988, 2907, 2937, 2684, 2944, 14, 2933, 2899, 2649, 2940, 279, 2924, 2717, 2582, 2938, 2913, 2982, 79, 2967, 151]. **Teaching** [2146, 377, 69, 27, 167, 5, 307, 249, 177, 374, 237, 245, 302, 539, 290, 315, 4129, 25, 120, 231, 362]. **technique** [1076]. **Techniques** [3098, 2614, 2616, 3232, 2804, 1045, 1053, 630, 208, 3808, 4108, 1255, 1421, 2515, 1188, 378, 3890, 3743, 2326, 2557, 3286, 4165, 4007, 3395, 3321, 160]. **technological** [1694]. **Technologies** [2991, 3274, 2569, 2480, 4234, 3581, 1191, 3365]. **Technology** [3371, 221, 764, 1560, 2646, 3767, 1365, 1276, 1934, 4252, 3369, 825, 3531, 3571, 154, 1894, 3892, 1336, 1516, 2930, 2542, 2719, 3670, 4251, 3998, 3740]. **technomimetics** [3940]. **Teitsworth** [2711]. **Teixeira** [3507]. **Telecommunication** [3503]. **Telecommunications** [871].

Telepistemology [1951]. **Teleportation** [1840]. **telescope** [255, 1098, 1587, 1713, 1516, 1874, 1714, 3821, 1482]. **telescopes** [614, 1516, 2302, 3615, 3805]. **Television** [25, 69]. **Teller** [2428, 2600].
Temperature [2188, 2547, 1007, 817, 1769, 477, 1543, 208, 707, 2161, 1494, 1467, 94, 4102].
temperatures [1049, 229, 724, 3301, 2580]. **Ten** [3379, 1769, 3886, 4303, 3876, 3143]. **Teng** [2932]. **Tennyson** [2788, 4112].
tension [728, 424, 33]. **tensor** [3947, 3485, 4061]. **Tensor-valued** [4061].
Tensors [2944]. **Terahertz** [2930, 3060, 2386, 3117, 3564]. **Terascale** [2751].
Terawatt [1443]. **tercentenary** [64]. **Terence** [3622]. **Terentjev** [3505].
Teresa [2769]. **terms** [362]. **ternary** [1166]. **Tero** [3301]. **terrain** [2196].
Terrestrial [891, 1380, 4031, 690]. **Terry** [3433]. **TESLA** [3149]. **test** [917].
testimonies [4113]. **testimony** [3702]. **Testing** [1122, 4089, 1804, 2155, 2208]. **Tests** [1219, 2212, 1303, 1262, 4108].
tetraquarks [2159]. **Tetsuro** [2580]. **Tetsuzo** [2998]. **text** [2921, 3395, 3180, 3301, 4118, 2853, 2341, 3257, 3181, 3280, 3323, 3321, 3317, 3309, 3046, 3233, 2844, 3303, 3277, 3210, 2473, 2430, 3345, 2292, 2623, 2517, 3231, 3234, 3243, 2972, 3248, 3282, 3316, 3272, 3311, 3255, 3286, 3236, 3278, 3178, 3041, 3215, 3242, 3170, 3260, 4122, 3110, 3411]. **text-book** [2517, 2972].
Textbook [4253, 4120, 4078, 4060, 3122, 3393, 3368, 3025, 3211, 3112, 3199, 3350, 2502, 2788, 2829, 2346, 3061, 3073, 3480, 3498, 3201, 2357, 3509, 4217, 2936, 3115, 4232, 2290, 2911, 2927, 3097, 3107, 2385, 2386, 2458, 2828, 3365, 2375, 2966, 3491, 3485, 4055, 4210, 2425, 3072, 2955, 2865, 2981, 3089, 3037, 3237, 3383, 4182, 4177, 4184, 2320, 3095, 3035, 3123, 2939, 3023, 3507, 3396, 2838, 3493, 3488, 4183, 3076, 3144, 3212, 3193, 2931, 3092, 2907, 2937, 2352, 2766, 2878, 2992, 2533, 2655, 3036, 2901, 3117, 4072, 4052, 4178, 4190, 4198, 4252, 2965, 3344, 3494, 3501, 3452, 3451, 4081]. **textbook** [4204, 4203, 4162, 4222, 2944, 4242, 4250, 3297, 3081, 3043, 3190, 3377, 3341, 3315, 3435, 3438, 3479, 3437, 3436, 4105, 2330, 2348, 2820, 3258, 3366, 3429, 2396, 3235, 3398, 3492, 2300, 2365, 2817, 3382, 3114, 3200, 3080, 3005, 4157, 3446, 2292, 2889, 3186, 3026, 3424, 2355, 3015, 2950, 3447, 2881, 2929, 4112, 4114, 4161, 2497, 2309, 2465, 2464, 3140, 3058, 2649, 2653, 2512, 2940, 3259, 3351, 3216, 3053, 2689, 2713, 2873, 2875, 2729, 2824, 2914, 2821, 2855, 2935, 2818, 2890, 2903, 3155, 3000, 3045, 3090, 2971, 2985, 3019, 3238, 3166, 3500, 2460, 3311, 2472, 2432, 2487, 4197, 3214, 2415]. **textbook** [3332, 4244, 4249, 2874, 2997, 4169, 4170, 4189, 2436, 2677, 2676, 2728, 3028, 3188, 2440, 2500, 2520, 3096, 2443, 2418, 2510, 3064, 3476, 3489, 4071, 4188, 4070, 4066, 4077, 4166, 4167, 3014, 2310, 2314, 2390, 2701, 2896, 2741, 2895, 3228, 2317, 2377, 2568, 3148, 3141, 3264, 3265, 3391, 3483, 4063, 2938, 2910, 3151, 4086, 4171, 2579, 2978, 4216, 2442, 2349, 2951, 2952, 2859, 2947, 2982, 2401, 2370, 2399, 3191, 2488, 3147, 2905, 2994, 2444, 2831, 2953, 2894, 2291, 2475, 2373, 2646, 2507, 2656, 2484, 2885, 2900, 3068, 3153, 2969, 3021, 3411, 4207, 4176, 4175, 4185, 2319, 2344, 2469]. **textbook** [2917, 2920, 2967, 2358, 4083, 2773, 3975]. **textbook/monograph**

[2831, 2894]. **textbook/reference** [2292]. **textbook/supplementary** [3311]. **Texts** [3142, 3026]. **Th** [2743, 2739]. **Th.W** [2649]. **Thad** [2783].

Their
 [2504, 961, 3003, 3033, 1055, 2826, 3379, 1265, 554, 790, 832, 1671, 618, 951, 2057, 2070, 845, 3204, 3861, 3891, 4090, 102, 1987, 4150, 4114, 2272, 56, 2843].

them [2549, 3517, 3964]. **theme** [2257, 1097, 2258]. **Theodore** [2868].

theorem [3639, 3726, 2160, 239, 2683, 3817]. **theorems** [2235]. **Theoretical**
 [2615, 2679, 4269, 4321, 3144, 2937, 2523, 3424, 2750, 2997, 2322, 2422, 2398, 2599, 3021, 752, 3747, 3784, 645, 2250, 3884, 2249, 954, 1529, 2487, 746, 4174, 3733, 3559, 3784, 3980, 3952]. **Theories**
 [3079, 2927, 3124, 2658, 3856, 3126, 2353, 3216, 2349, 3443, 3509, 553, 3502, 4138, 608, 4108, 1001, 1466, 2202, 1305, 1282, 4316, 3511]. **theorists**
 [2427, 2946, 1844]. **Theory** [3368, 2414, 2346, 2893, 2786, 3073, 2290, 2897, 2659, 2375, 2715, 2585, 2955, 3384, 2545, 2498, 2856, 3133, 2948, 3444, 2621, 2766, 2992, 2999, 2561, 2687, 2806, 3826, 3930, 2965, 3450, 3219, 4284, 2524, 3363, 3108, 3210, 3345, 2474, 2797, 3447, 2309, 2622, 3310, 2875, 2824, 2935, 3090, 3070, 3316, 2487, 2815, 2633, 2835, 3198, 3138, 3575, 2631, 2540, 2758, 2369, 2291, 2666, 2373, 3041, 3766, 1263, 2264, 4120, 82, 3523, 1342, 2170, 2078, 2138, 3699, 1317, 1424, 113, 3491, 3625, 3899, 3873, 3911, 4056, 3853, 2193, 3969, 4177, 1241, 1247, 3646, 1194, 1026, 1250, 2382]. **theory**
 [3585, 3900, 2163, 3518, 1122, 4321, 2174, 3758, 1850, 326, 1830, 1564, 4277, 2241, 1037, 3960, 4021, 4162, 2383, 1143, 3884, 3783, 2133, 1488, 1603, 2164, 3469, 1545, 4051, 1108, 2202, 4017, 984, 2466, 1138, 1494, 3768, 2455, 2499, 3486, 3819, 4089, 4181, 1566, 322, 330, 2242, 3665, 1943, 4131, 3703, 4122, 3879, 3880, 3959, 1467, 1601, 274, 2223, 297, 4255, 376, 4167, 3503, 3672, 3743, 1511, 1786, 970, 1431, 492, 259, 2454, 3792, 4233, 1483, 3685, 1988, 362, 2911, 3313, 2490, 2801, 3004, 3375, 3202, 3189, 2543, 2587, 3125, 3218, 2681, 2815, 2924, 3461, 2592]. **theory**
 [3583, 3644, 4035, 3791, 3652, 3739, 4002, 4029, 4085, 2263, 2883, 3097, 4210, 4008, 2526, 4219, 2905, 3916, 3914, 3925, 3833, 3903]. **Therapy** [3442, 3706].

There [2733, 1506, 2411, 983, 2202, 2308]. **Therese** [3415]. **Thermal**
 [2955, 208, 2625, 3352, 537, 2511, 333, 1615, 834, 3901, 1049, 3961, 339, 355, 2198, 3966, 378, 830, 1289, 2866, 3064, 3760]. **Thermally** [832].

thermodynamic [1545, 2712]. **Thermodynamics** [2502, 3038, 2948, 2874, 4217, 3514, 3626, 4052, 665, 2605, 4097, 4074, 1840, 3549, 2740, 3178, 3526, 3766, 3663, 2708, 3679, 4026, 3563, 4249, 4189, 4188, 4094, 2969, 3495, 3983].

Thermoelectric [107, 1007, 638]. **thermoelectricity** [3580].

Thermography [582]. **thermoluminescence** [1442]. **Thermonuclear**
 [2928, 3642, 2129, 3578, 719, 2045]. **thermostatistical** [3221]. **Thew** [3680].

Thierry [2614]. **Thijssen** [3271]. **Thin**
 [3105, 484, 1886, 3028, 1511, 1666, 217, 2828]. **Thin-Film** [3028, 2828].

Things [2312, 2509, 4149, 662, 2034]. **Thinking** [1949, 2742]. **Third**
 [3200, 3063, 65, 1545, 3777]. **Thirty** [1981, 1131, 1079, 1026, 784].

Thirty-five [1131]. **Thomas**

[3539, 2867, 3343, 2844, 3186, 3148, 3483, 4174, 3667, 3164, 3411]. **Thompson** [4135, 2566, 44]. **Thomson** [796, 2765, 3237, 2765, 3387]. **Thorne** [4184, 4190, 4176]. **Thorpe** [2191]. **Thorsten** [2465, 4169]. **thought** [4089, 3380]. **Thoughtful** [2886]. **Thouless** [3313, 3704]. **threads** [2570]. **three** [1552, 2021, 615, 1172, 60, 4192, 2318, 3218]. **three-dimensional** [615]. **Three-Particle** [3218]. **three-party** [4192]. **threshold** [1430]. **Thron** [3738]. **Throughout** [2780, 3907]. **Thurber** [4053]. **Thurner** [4017]. **Thyssen** [3758]. **Tian** [3441]. **tidal** [1127]. **Tidemand** [3619]. **Tidemand-Lichtenberg** [3619]. **Tides** [3372, 1127]. **Tien** [3693]. **Tigner** [3208, 3484]. **tilings** [3749]. **Tilling** [2437]. **Tim** [3107, 2668]. **Timberlake** [4037]. **Time** [2857, 3261, 3406, 2057, 2984, 3207, 4322, 1726, 132, 153, 4285, 2026, 3182, 1873, 2780, 2994, 1554, 1736, 4312, 1835, 3164, 2008, 1454, 1928, 4213, 2382, 1002, 1852, 1967, 1423, 4126, 395, 283, 3637, 1773, 1697, 3421, 3794, 1819, 4121, 2698, 3967, 1647, 1957, 262, 3654, 1373, 3815, 2545, 2981, 3471, 4208, 3654, 3137, 3023, 2965, 3106, 3379, 3164, 3861]. **Time-Dependent** [2965]. **time-of-flight** [283]. **Time-resolved** [1736]. **time-travels** [4208]. **Timepix** [3389]. **Times** [4304, 2718, 3984, 2057, 1783, 3810, 2648]. **timescales** [2282, 3379]. **Timothy** [3283, 3662]. **Timour** [3413]. **Timpson** [3210]. **tiny** [4155]. **Tipler** [3092]. **Tipton** [3027]. **Tirion** [2505]. **tissue** [4241, 872]. **Tissues** [3058]. **Titanic** [2363]. **title** [2075, 2152]. **Tito** [2771]. **Tiwari** [2988, 4162]. **Tkalcic** [3722]. **TMTSF** [1139]. **Toal** [2852]. **Tobochnik** [2625]. **today** [413, 4115]. **Tokamak** [1218]. **Tokamaks** [2882]. **told** [1916]. **Tom** [2774, 3345, 3305, 2546, 3693, 2952]. **Tommy** [2801]. **Tomographic** [2395]. **Tomography** [2465, 2030, 3098]. **tomorrow** [413]. **Tompkins** [2908]. **Toms** [2524]. **Tones** [2462]. **Tony** [3348]. **Too** [1192]. **tool** [2339, 1550, 3060, 192, 2641, 638]. **Tools** [2880, 2825, 2316, 4201, 3251, 3067]. **Top** [4271, 3690, 1679]. **Top-Down** [4271, 3690]. **Topics** [2875, 3172, 447, 4070, 848, 2422, 3658, 2911, 3144]. **Topological** [4247, 3277, 3189, 1823, 3785, 3872, 2271, 4166, 1728, 4098, 3277, 3836, 3704]. **Topology** [3241, 3540, 4024]. **Tornari** [2803]. **Torner** [2629]. **Török** [4020]. **Toropov** [3530]. **Torres** [4081, 2629, 3265]. **Torus** [869]. **Totality** [3751]. **Tothill** [3113]. **Tour** [3138, 2951, 3021, 3719, 3929, 4082]. **tournament** [3633]. **Toussaint** [3444]. **Townsend** [3670, 2669]. **Tracing** [2013, 1875, 3644]. **track** [4051]. **tracks** [552, 827]. **Tracy** [3644]. **tradition** [1927]. **traffic** [2109, 348]. **tragedian** [2191]. **Tragic** [4308, 2191]. **training** [41, 14, 106]. **Trajectory** [2979]. **Trangenstein** [2653]. **Transactional** [3086]. **Transfer** [2905, 3068, 1922, 637, 653, 3760]. **transform** [3768, 1489, 745]. **Transformation** [3130]. **Transformed** [3405]. **transforms** [4149, 2357]. **transient** [999, 1008, 398]. **transients** [3550]. **transistors** [2306, 3101]. **Transition** [3026, 2909, 777, 1385, 2209]. **transition-metal-ion** [1385]. **Transitions** [4275, 3280, 4283, 2729, 3539, 4055, 2282, 1805, 1824, 3452, 4098, 1089, 1366, 697, 1429, 2445, 934, 907, 2224, 1244, 2819, 3230, 2728, 3920]. **translated**

[2794, 3299, 3103, 3066, 3575, 3379, 2547, 3680]. **Translation** [100]. **Translational** [3373]. **translator** [2371]. **transmission** [2216, 3198]. **Transport** [3301, 2402, 2556, 2416, 2745, 3439, 304, 4315, 1364, 1283, 3626, 4072, 4281, 2605, 3417, 1030, 2001, 3760, 4260, 2361, 531, 3118, 2711, 3265, 4081, 4111, 3672]. **transuranic** [119]. **transverse** [3539]. **trap** [1378]. **Trapp** [3211]. **Trapped** [1256, 1767, 4212, 2641]. **trapped-ion** [2641]. **trapping** [2763, 1536, 1027, 274]. **traps** [2339, 3161, 2640, 1942]. **Travel** [4312, 3164, 1967, 281, 305, 312, 329, 337, 344, 3815]. **traveled** [3473]. **travels** [4208]. **tread** [6]. **Treatise** [3296, 3380]. **Treatment** [850, 246, 531, 3738]. **tree** [141, 1834]. **Trend** [293]. **Trends** [2760, 3063, 4254, 639, 3499, 906]. **Treps** [3772]. **Treumann** [3072]. **Trew** [3776]. **Triangulation** [3328]. **Tribute** [2934, 1459]. **Trigger** [763]. **Trigonometric** [2385]. **Trimble** [2934]. **Trindade** [2771]. **triple** [2165]. **triple-** [2165]. **Tripon** [3434]. **Tripon-Canseliet** [3434]. **Trivedi** [3230]. **Troccoli** [3333]. **Trojan** [1892]. **Tropical** [1091, 864, 1699, 789]. **Troshkin** [4231]. **Trouton** [545]. **Trudeau** [3823]. **true** [2133, 1171]. **Trypsteen** [3773]. **Tsai** [3299]. **Tsai-Chien** [3299]. **Tsori** [2443]. **Tsu** [2785]. **Tsunamis** [465, 3284, 3372]. **Tuan** [3440]. **tube** [273]. **tubes** [2079, 673, 3957]. **Tuchin** [3246, 2671]. **Tucker** [3741, 2342]. **Tudor** [3785]. **Tuffin** [3503]. **tunable** [1385, 3611]. **tuned** [3695, 4291]. **Tuning** [2753]. **Tuniz** [3120]. **tunnelling** [1049, 2076, 1502]. **tunnelling-state** [1049]. **turbines** [837]. **Turbulence** [3376, 2481, 3361, 2277, 3143, 2593, 2452, 2689, 2869]. **Turbulent** [2818]. **Turcotte** [3588]. **Tureanu** [3240]. **Turin** [2940]. **Turing** [3111]. **turn** [1902]. **turned** [3525]. **Turner** [2988]. **Turning** [3093, 972, 8]. **tutorial** [2604]. **TVs** [2668]. **Tweezers** [2598, 2005, 3634]. **Twentieth** [3121, 2682, 2548, 235]. **Twentieth-Century** [3121, 2682]. **Twenty** [3369, 2460, 3909, 1254, 1464]. **Twenty-first** [2460, 3909, 1464]. **Twice** [784]. **twin** [3981]. **twinkling** [902]. **twist** [1921]. **Twisted** [3779, 2629]. **Twisting** [2108]. **Twistor** [2193, 1564]. **Twistors** [2544]. **Two** [3079, 163, 2770, 3381, 2902, 2622, 2278, 3953, 2123, 640, 2163, 2021, 3626, 3358, 1429, 1993, 2259, 1199, 2260, 2555]. **Two-and-a-half** [2278]. **two-dimensional** [3358, 2555]. **Type** [3075, 1430, 1545]. **tyre** [6]. **Tyson** [2589, 2638, 3701]. **Tyukin** [2695].

U [3677, 3444, 3050, 2295, 2943, 2443]. **Ubaldo** [2634]. **ubiquitous** [1038]. **Ueno** [3630]. **Ugo** [3442]. **UK** [4202, 4232, 4140, 4139, 4038, 4035, 4100, 4084, 4072, 4178, 4021, 4081, 4130, 4203, 4222, 4259, 4187, 4165, 4157, 4197, 4079, 4144, 4071, 4219, 4077, 4199, 4207, 4233, 4185, 1587]. **Ullrich** [2965]. **Ulrich** [2889, 3162, 3310]. **Ulrike** [4168]. **ultimate** [1694, 1936]. **Ultra** [191, 463, 1594, 960, 1039, 2447, 1075, 3232]. **Ultra-cold** [1039]. **Ultra-fast** [1594]. **Ultra-high** [463, 960, 1075]. **Ultra-realistic** [3232]. **Ultracold** [3245, 4068, 4118, 2107, 4116, 3022, 2525, 2846]. **Ultracondensed** [3919]. **Ultrafast** [1179, 1742, 2233, 3506, 4202, 3683]. **ultrahigh** [1791]. **Ultrasonic** [203, 538]. **Ultrasonics** [1842, 798, 508]. **Ultrasound** [886]. **Ultraviolet** [643, 2295]. **Umberto** [3646]. **Umran** [2967]. **unasked** [4080]. **unbound**

[3931]. **Uncertainty** [3112, 2935, 3414, 1705, 3497, 1658].
uncertainty-principle-limited [1658]. **Uncollapsing** [2338].
unconditional [3515]. **Unconventional** [1715]. **Uncorked** [3196].
Undergraduate [3314, 4253, 3178, 4120, 4078, 4060, 2883, 3122, 3318, 3393, 3025, 3211, 3333, 3052, 3199, 3350, 2502, 2788, 2829, 4062, 2781, 2809, 3073, 2667, 3509, 4241, 4217, 2491, 2560, 3115, 3180, 3458, 4202, 3301, 2851, 2843, 3107, 3011, 2966, 3485, 2425, 2411, 3072, 2544, 2471, 2459, 2508, 3037, 3383, 4123, 4184, 2320, 3349, 3137, 4113, 3035, 2740, 2867, 2801, 3055, 3142, 3442, 3123, 3296, 3023, 2708, 3507, 2838, 2836, 2853, 3104, 3275, 3194, 3353, 3408, 3493, 3488, 4183, 4240, 2975, 3144, 3212, 3193, 3092, 3152, 3168, 2735, 2790, 2755, 4084, 4155, 2992, 3245, 2791, 2541, 2533, 2655, 4173]. **undergraduate** [2561, 2845, 3117, 3679, 4072, 4178, 4190, 4198, 4252, 2529, 2625, 2537, 2777, 2794, 3181, 3279, 3343, 3344, 3494, 3450, 3452, 4204, 4203, 4162, 4222, 4257, 4259, 3323, 3407, 2887, 3184, 4242, 4250, 3297, 2726, 3081, 3341, 3317, 3394, 3435, 3437, 3436, 2457, 3099, 4187, 2318, 2372, 2348, 2519, 2538, 2675, 2765, 2783, 3046, 3224, 3262, 3163, 3287, 3244, 3196, 3369, 3335, 3405, 2690, 3270, 2612, 3431, 3233, 3258, 3366, 3429, 2844, 2724, 3135, 4165, 3034, 3235, 3398, 3492, 2891, 3399, 3128, 3018, 3274, 2365, 2817, 3114, 3200, 3277, 3401, 3005, 3210, 3345, 3415, 3446, 4186, 2371, 3100, 2474]. **undergraduate** [2476, 3186, 3423, 2682, 3026, 2950, 2881, 2738, 2594, 2497, 2773, 3428, 2464, 3140, 3027, 2395, 2455, 2517, 2499, 2512, 2940, 3084, 3259, 3232, 3307, 3351, 3486, 4200, 4205, 3049, 3231, 3234, 3243, 3304, 3065, 2587, 3053, 2839, 2908, 2689, 2890, 3155, 3000, 2971, 2985, 3248, 3238, 3282, 3500, 3272, 2460, 2664, 2877, 3240, 3311, 2784, 2415, 2595, 2700, 4201, 2835, 2874, 2837, 2834, 2760, 2880, 3062, 3066, 3119, 2997, 3063, 4054, 4083, 4053, 4080, 4079, 4169, 4170, 4189, 4234, 2436, 2391, 2657, 2677, 2676, 2854, 2728, 3028, 3109, 3183, 3188, 2440, 2611]. **undergraduate** [2607, 2556, 2513, 2705, 2860, 2722, 3096, 2976, 2418, 2695, 2510, 2511, 3064, 3414, 3380, 3476, 4071, 4255, 4208, 4188, 4070, 4066, 4077, 4167, 2310, 2314, 2390, 2608, 2620, 2896, 2895, 3197, 3228, 3461, 2317, 2377, 2331, 2568, 2719, 2805, 3148, 3255, 3264, 3265, 3482, 2531, 3151, 3285, 4171, 4174, 4216, 2442, 3286, 2540, 2951, 2952, 2758, 2947, 3236, 2982, 2401, 2619, 3191, 3185, 3278, 2417, 2488, 2618, 2826, 2905, 2683, 2492, 3087, 2669, 2536, 2475, 2373, 2613, 2646, 2507, 2591, 2656, 2484, 2802, 2956, 2721, 2900, 2710, 2736, 2832, 3082, 3153, 3110, 3041, 3215, 3242, 3170, 3260, 3411, 3338]. **undergraduate** [3372, 3475, 3495, 4215, 4175, 4185, 2319, 2917, 3378, 3355, 2882, 2852, 2358, 2768, 3164, 2769, 4232, 4156, 4105, 4112, 4161, 4244, 4249, 4066, 4086, 4175, 4258, 4243]. **undergraduate/beginning** [2442]. **undergraduate/graduate** [2683]. **undergraduate/postgraduate** [2502, 2788]. **undergraduate/pre** [2358]. **undergraduate/pre-university** [2358]. **undergraduate/specialist** [3399]. **Undergraduates** [3014, 2921, 2297, 2936, 2911, 2868, 2865, 3384, 2293, 2866, 2942, 2749, 2842, 2504, 2907, 2937, 2494, 2901, 2684, 3496, 2944, 3043, 2993, 3364, 3438, 3422, 2333, 2300, 2523, 2461, 2438, 2525, 2889, 3454, 3487, 2929, 2933, 2864, 4117, 2899, 2649, 3216, 2924, 2943, 3198, 2833, 2717, 3483, 2579, 2468, 2501, 2953,

2848, 2559, 3068, 3069, 3021, 4058, 4207, 2922, 2915, 2967, 2919, 4176].
underground [456]. **Underlie** [4271, 3690]. **underlying** [1124, 2208].
Understand [3034, 3763, 4005]. **Understanding**
[3089, 1852, 2844, 2929, 2722, 1958, 2417, 3372, 33, 3711, 3290, 3739, 4200,
3867, 3802, 2819, 2537, 3177, 3243, 2513, 3979, 3928]. **undoing** [2338].
Undulators [971]. **undulatory** [2337]. **unfinished** [3291]. **Unification**
[1490, 1486]. **Unified** [1001, 3021, 3839, 1305]. **uniform** [61]. **Unifying**
[1566, 3967]. **Union** [3938, 3039, 3267, 70, 2008]. **unique** [3572]. **Unitary**
[2793]. **United** [222, 358]. **Units**
[4267, 390, 810, 3877, 387, 374, 1401, 176, 797, 560, 311]. **unity** [112, 1124].
Universal [4276, 3453, 3860]. **universality** [1490]. **UNiverse**
[2814, 2350, 2495, 2742, 2707, 1799, 3302, 1824, 4278, 3455, 2690, 4288, 1811,
2714, 2097, 2493, 2753, 3049, 3243, 2778, 2815, 1647, 2576, 2895, 3197, 2423,
1505, 1680, 4311, 2637, 2345, 2917, 2450, 2162, 3602, 2156, 865, 3695, 4123,
3869, 1758, 1637, 3249, 3931, 3620, 3762, 2127, 1741, 4196, 1466, 1472, 4291,
1302, 894, 1100, 1183, 3532, 2068, 3636, 3967, 1015, 3963, 1925, 1392, 3222,
3378, 2166, 1121, 3241, 2747, 3081, 3099, 2318, 2473, 2430, 4151, 3151, 1562,
2970, 3594, 3635, 4143, 3650, 4200, 3533, 3956, 4243, 2459, 3834]. **Universe-**
[1811]. **universities** [41]. **University** [4078, 4060, 4016, 4211, 4137, 4082,
4135, 4038, 4000, 4032, 4210, 4035, 53, 3425, 4005, 3945, 4045, 4073, 4182,
4177, 4184, 4027, 4100, 3035, 4061, 2057, 4143, 4084, 4248, 112, 4026, 4072,
4052, 4178, 4190, 4198, 2191, 4006, 4021, 4081, 4156, 4130, 4203, 4162, 237,
4025, 4002, 4001, 4046, 4043, 4041, 4085, 4141, 3459, 4037, 4040, 3994, 4048,
4042, 4003, 4015, 4105, 4146, 4187, 4165, 3421, 4097, 4107, 4157, 4007, 4017,
4158, 4093, 4200, 4151, 4205, 290, 4019, 4131, 4122, 4197, 4020, 4036, 4079,
4071, 4129, 4219, 4066, 4077, 4166, 4199, 4065, 4064, 4063, 4092, 4034, 4109].
University [4039, 4023, 4058, 4176, 4215, 2787, 4175, 4185, 4168, 2358, 4256,
270, 2809, 4232, 3349, 3137, 3152, 2944, 942, 245, 3315, 3405, 3135, 3121, 3128,
3415, 4186, 3100, 3423, 2682, 2881, 2899, 3234, 3243, 2908, 3066, 3461, 2938,
2913, 3285, 4086, 713, 2826, 3134, 3215, 3164, 766, 4163]. **Unpublished**
[2674]. **Unravelling** [2101, 1374]. **unreason** [3641]. **Unrolling** [1454].
unruly [4143]. **Unseen** [4278, 3455]. **unshackled** [3525]. **Unterborn** [4150].
Unveiling [2813]. **Unwin** [291]. **updated** [3817]. **upon** [2008]. **upper** [923].
Urbani [4210]. **US\$140.00** [4168]. **US\$159** [4027]. **US\$59.99** [4185]. **USA**
[4183, 4190, 4256]. **USD** [4061, 4190, 4207, 4243, 4256]. **Use** [2909, 2722,
4057, 69, 1048, 2235, 657, 807, 1752, 926, 962, 638, 209, 262, 3624, 3807]. **used**
[340]. **useful** [1621, 3078]. **useless** [3525]. **User** [2380]. **Users** [2633]. **Uses**
[884, 1314]. **Using**
[3464, 2174, 2847, 4230, 2518, 3314, 3059, 2463, 631, 3559, 482, 791, 4277,
1020, 3450, 260, 1885, 909, 2062, 3770, 3351, 1271, 1693, 4219, 4236, 2155, 7].
usually [129]. **Utke** [3059]. **Utracki** [2767]. **UV** [1788]. **Uzunov** [2715].

V

[2414, 2659, 3313, 2425, 4231, 2350, 3076, 3530, 3444, 2639, 3648, 2563, 2791,

326, 2541, 2806, 4044, 4008, 4098, 3007, 2609, 4187, 2348, 2402, 3998, 2437, 2343, 2379, 2916, 2671, 3246, 2803, 3218, 2914, 2821, 555, 3127, 2750, 3607, 4234, 4129, 4219, 3014, 1461, 2377, 2804, 3483, 3814, 3743, 2531, 3788, 2947, 2424, 2807, 4059, 3032, 2934, 3474, 3495, 4116, 2319, 3593, 2547, 3680, 337].
vacua [463]. **Vacuum** [2856, 1263, 2264, 3780, 4050, 960, 2263]. **Vahid** [3772]. **Valenta** [2878]. **Valenzuela** [3184]. **Valeri** [3576]. **Valerio** [2741, 4243]. **Valery** [2671, 3246, 2815]. **Valia** [4154]. **Valles** [3230]. **Valley** [879]. **Valued** [2766, 4061]. **VanderPlas** [3577]. **Vandoren** [3379]. **Vangelis** [2685, 2743, 2739]. **Vanier** [2917]. **vanished** [3981]. **VanWyk** [2457].
Vapour [625]. **vapours** [451, 2763]. **Varadan** [2836]. **Varga** [2749].
Variability [2898]. **variables** [2180]. **variation** [141]. **variational** [3819].
variations [1685]. **Varieties** [1129]. **variety** [2166]. **Varlamov** [2913].
Varying [2441]. **Vasa** [3683]. **Vasilevich** [3984]. **vast** [3935]. **Vaughan** [3259]. **VCH** [4022]. **Vecchia** [3004]. **Vectors** [2944]. **Vedral** [3180, 2495, 2655]. **Vedres** [3031]. **vehicles** [671, 2745]. **Vekstein** [3233].
velocities [1737]. **velocity** [817, 61]. **Velusamy** [3657, 3658]. **Velychko** [3747]. **Velzel** [3605]. **Venerus** [4072]. **Venkatesh** [3041]. **Venus** [4237, 1022]. **Verbiest** [2614]. **Verdaguer** [4141, 3446]. **Vergni** [4208].
verification [2235]. **Verlag** [4022]. **Verònica** [3022]. **versatile** [2339].
versus [868]. **vertebrates** [590]. **Very** [2989, 3120, 3405, 3018, 3263, 2434, 2426, 2650, 2990, 3757, 3622, 3651, 3790, 3805, 4016, 375, 1833, 4073, 3599, 1101, 517, 3856, 981, 2413]. **Veryaskin** [4234]. **Vespignani** [2352]. **Vesselin** [4191]. **vi** [554, 1748, 2378]. **via** [3138].
vibration [253, 1258, 955]. **vibrational** [555]. **Vibrations** [4269, 3077, 3424, 2520, 2900, 88, 4071]. **vibroacoustics** [3715]. **Victor** [3308, 3114, 2753, 3521]. **Victoria** [248]. **Victorian** [3472, 1827]. **video** [2039]. **Vienna** [834]. **Vietri** [2415]. **View** [3167, 2619, 1137, 420, 4048, 1649, 944, 2030, 3394]. **viewpoint** [1749]. **Views** [2196, 1836, 2770]. **Vignale** [2375, 2679]. **vii** [555]. **viii** [2057]. **Vijay** [2836].
Viking [3251]. **Viktorja** [3496]. **Vincent** [2614, 2852]. **Vineet** [2556].
Vinod [2853]. **violation** [1978, 1647, 2586, 3061]. **violin** [1684, 1284].
Violins [2532]. **viral** [2893, 2880]. **Virtual** [1636, 1774, 580, 4194, 4232].
Virtual-reality [1636]. **virus** [629]. **Viscoelasticity** [2927]. **viscosity** [2235]. **Vishveshwara** [2379]. **visible** [806, 3697, 4233, 3623]. **Vision** [3145, 3151, 590, 1227, 601]. **Visions** [1857, 2574]. **visitor** [36]. **Visitors** [3355]. **Visual** [775]. **Visualisations** [3314]. **visualization** [3432, 4317].
Vita [4115, 2380]. **Vita-Finzi** [4115, 2380]. **Vital** [4311, 3869]. **Vitaly** [2324]. **Vivien** [3481]. **Vivo** [4319, 2470, 3457]. **Vladimir** [2800, 3204, 2678, 3114, 3230, 3632, 2652, 3276, 4249, 4094]. **Vladislav** [2541].
Vlatko [3180, 2495, 2655]. **Vlemmings** [3203]. **Vo** [3440]. **Vo-Dinh** [3440].
Voicu [3319]. **voids** [4135]. **Vol** [380, 2858, 291, 2806, 2794, 3187, 2288, 2416, 2804, 3020, 379, 417, 3934, 4184, 317, 316, 4224]. **volcanoes** [2001].
Voldemar [4163]. **Vologodskii** [3606]. **Volovik** [2423]. **Volpe** [3634]. **Vols** [2765]. **voltage** [125, 476, 616]. **Volume** [2883, 2926, 2527, 2596, 2840, 2795,

3371, 3353, 3889, 4190, 3364, 3422, 3200, 2437, 3246, 2744, 2818, 2760, 3119, 3836, 3132, 2822, 3953, 3509, 2858, 4009, 3854, 946, 2535, 4095, 3976, 4176]. **Volumes** [3079, 366, 3216, 3172, 3440, 3558, 1483]. **vortex** [1737]. **Vulpiani** [4208, 2351].

W [3052, 2296, 2357, 3796, 4000, 2774, 3376, 2347, 3371, 2995, 2636, 3738, 2257, 3275, 3524, 3444, 2847, 2791, 3620, 4026, 4052, 3054, 1069, 3126, 3999, 4068, 3754, 3804, 2489, 1359, 2886, 2249, 2243, 2247, 2354, 2505, 2773, 2940, 3653, 4224, 3231, 2681, 2778, 2391, 2510, 2711, 3996, 2316, 2805, 3567, 3149, 2952, 2409, 2253, 2632, 2454, 2599, 2646, 2663, 3484, 3675, 3684, 2534, 2787, 3039, 1301, 44, 3633, 3694]. **Wa** [3109]. **Waals** [718, 579]. **Walczak** [3613]. **Walecka** [4062, 2615, 2823, 3144, 2937]. **Wales** [315]. **Wali** [2532]. **walk** [2195, 4208]. **Walker** [3684, 3564, 3773, 3732, 2783, 2670]. **Walks** [2825, 2054, 2268, 2267]. **wall** [748]. **Wallace** [4037, 3469]. **Waller** [3804]. **walls** [2551]. **Walsh** [3647]. **Walter** [4132, 3015, 3053, 2994, 2889]. **Walther** [2296]. **wandering** [3942]. **Wang** [3629, 4086, 3542, 3633, 2756, 3542]. **War** [4261, 4262, 3322, 3335, 2329, 3226, 1041]. **wardana** [3167]. **warm** [2156]. **Warp** [3164]. **wars** [2010, 4305, 3875]. **Wartak** [3297, 3140]. **wartime** [2452]. **Washington** [4256]. **Wasserman** [3064, 3815]. **waste** [1501, 925]. **Wataru** [2657]. **watcher** [1059]. **Water** [594, 1826, 3699, 2216, 3867]. **waters** [2643, 2484]. **Watson** [2644]. **Wave** [2659, 1994, 2567, 3361, 1328, 2974, 2711, 1518, 1541, 3644, 4154, 1283, 1760, 3510, 1460, 2515, 1793, 2266, 3893, 3811, 3863, 2265, 2300]. **Wave-Boundary-Layer** [2974]. **wave-particle** [3510, 3863]. **wavefront** [3418]. **Wavefronts** [2776]. **wavefunction** [2338, 3346]. **waveguide** [2567]. **Waveguides** [1584, 2486]. **wavelengths** [3697]. **wavelet** [3768]. **Wavepacket** [1892]. **wavepackets** [3506]. **Waves** [3199, 1265, 3007, 2817, 332, 3214, 3191, 3284, 644, 4140, 912, 423, 3747, 191, 223, 3642, 3854, 49, 2307, 3060, 1013, 4101, 978, 234, 4121, 1468, 4244, 3572, 1812, 3812, 538, 3792, 3107, 3370, 2900, 3699, 4064, 4086, 4016, 2458, 2702, 3787, 3381, 3272, 4080, 3543, 2484]. **Way** [3781, 3804, 3758, 3933]. **Wayne** [4140]. **Ways** [2928, 3414]. **Weaire** [2259, 2041, 2334]. **Weapons** [3322]. **Wear** [2726, 162]. **Weather** [3035, 952, 2956, 3333, 2063, 572, 1310]. **Web** [3268, 3650]. **Webb** [3821, 3201]. **webs** [2361]. **Webster** [3407]. **Wee** [2773]. **Wei** [4119, 3003, 3118, 3537, 2799]. **Weidberg** [3613]. **Weigand** [3066]. **weight** [1059]. **weight-watcher** [1059]. **Weikun** [3030]. **Weinberg** [4063, 2999, 3561, 3045]. **Weiner** [3122, 1092, 3712]. **Weinheim** [4252, 4242, 4022, 2627]. **Weintraub** [2690]. **weirdness** [3694]. **Weiren** [3371]. **Weiss** [3689, 3162]. **Weisskopf** [3308]. **Weitkamp** [2288]. **Weitz** [3505]. **welding** [459, 624]. **well** [1727]. **Weltman** [2984]. **Welzel** [3050]. **Wendell** [3688]. **Wendisch** [2905]. **Wermes** [4158]. **Werner** [2492, 3510]. **Wesson** [4121, 2882, 2450]. **Western** [3163]. **Westfall** [2356]. **Westmoreland** [2536]. **Weyl** [2451]. **Wheatstone** [785]. **Wheeler** [1653]. **Where** [2305, 2080, 1392]. **which** [623, 637]. **whimper** [1904]. **Whipple**

[2353]. **Whisnant** [3032]. **Whispering** [770]. **Whitaker** [3281]. **white** [1749]. **Whitehouse** [2919]. **Whitney** [4201]. **Whittle** [4204]. **Who** [63, 4304, 662, 3810, 3731]. **whole** [1171]. **Wholefield** [2557]. **Wickramasinghe** [3423]. **wide** [2737, 3113, 2467, 3084]. **wide-ranging** [2737, 3113, 2467]. **Widrith** [77]. **width** [753]. **Wiesbaden** [4218]. **Wigmans** [3818]. **Wigner** [2195]. **Wijers** [3057]. **Wilcox** [3738, 3053]. **Wild** [3809]. **Wiley** [4120, 4252, 4235, 4242, 4250, 4022, 3995, 2888, 4116]. **Wiley-VCH** [4022]. **Wilk** [3262]. **Wilkinson** [4040, 2126, 3195]. **Will** [2843, 3264, 3403, 1967, 63]. **William** [3052, 3116, 4027, 3023, 2906, 2567, 2489, 2765, 2783, 3093, 3080, 4007, 2860, 3096, 3402, 2720, 3536, 3595, 3082]. **Williams** [4222]. **Willink** [3112]. **Willis** [3236]. **Wilson** [3349, 2765]. **wily** [2002]. **Wim** [3002]. **WIMP** [2046]. **win** [4057]. **wind** [1887, 423, 2550, 1085, 1473]. **wind-generated** [423]. **Window** [2322, 3406]. **Winitzki** [2425]. **winner** [4200, 4151, 4205]. **winning** [3476]. **Winter** [2851]. **Winterberg** [2928]. **Wio** [3132, 3123]. **Wireless** [923]. **Wires** [1833]. **Wisdom** [3264]. **Wiseman** [2530]. **Within** [3472]. **Without** [2493, 3968, 3420, 1621, 653, 2399]. **Wittgenstein** [2770]. **Wohland** [4169]. **Wohlman** [4096]. **Wolf** [3177, 4092, 3055, 3386, 3279, 2309, 3837]. **Wolfenstein** [2608]. **Wolfgang** [3072, 2945, 2057, 3202, 3066, 4322, 356]. **Wolski** [3350]. **Wonderful** [3150, 2683, 3817, 3756]. **Wonders** [2913, 2056, 3623, 3973]. **Wong** [2838, 3348, 3299, 3109]. **Wood** [4207, 141, 2816]. **Woodruff** [4215]. **Woodworth** [3372]. **Wool** [136]. **Woolfson** [4114, 3234, 3106, 2938, 3443, 3624]. **Woosley** [3057]. **Wooten** [2432]. **work** [2433, 211, 4154, 331, 1843, 2962, 807, 3568, 139, 3281]. **Workbook** [3043]. **worker** [2350]. **workers** [2395, 2469]. **Working** [2449, 177, 2355]. **workings** [1982]. **Works** [3079, 3885, 2602, 3432, 4317]. **Workshop** [3593, 2414, 765, 2387]. **World** [4132, 4106, 4010, 4057, 4062, 4225, 4056, 4055, 4231, 3133, 3875, 4028, 4123, 4069, 2082, 4113, 2867, 3150, 3322, 3308, 4030, 4138, 4163, 3999, 4029, 4044, 4008, 4024, 4108, 4068, 4119, 4098, 4196, 3998, 2371, 3423, 4112, 4114, 4099, 4164, 4121, 4223, 4083, 4080, 3239, 3996, 4255, 4070, 4167, 3337, 4095, 4096, 4086, 4305, 4004, 3956, 4033, 3997, 4067, 4172, 4243, 3326, 254, 3719, 1833, 3010, 2017, 3516, 2384, 3563, 1325, 3756, 1840, 3949, 83, 288, 1630, 4233, 614, 2742, 2856, 3287, 2971, 3134, 3838]. **Worlds** [2508, 4276, 1092, 3878, 2962, 3453, 3010]. **Wormholes** [2857, 4315]. **Worster** [2513]. **Wouter** [3203, 4018]. **Wren** [1251]. **Wright** [3771, 2373]. **Writings** [2674, 3798]. **Wrong** [2864, 2549]. **Wu** [3999, 3208, 3299]. **Wulfman** [2859]. **www.cambridge.org** [4211]. **www.elsevier.com** [4186]. **Wyart** [2527, 2596]. **Wyngaard** [2593].

X [3629, 1139, 3047, 3131, 2680, 2295, 2633, 3675, 3775, 4182, 617, 314, 1204, 2013, 328, 802, 553, 2572, 3550, 629, 573, 48, 583, 938, 2642, 3601, 91, 1419, 4079, 911, 3387, 698, 699, 1736, 3015]. **X-ray** [3131, 2680, 2295, 2633, 3675, 3775, 617, 314, 1204, 328, 802, 553, 2572, 3550,

629, 48, 583, 938, 2642, 3601, 91, 1419, 4079, 911, 3387, 698, 699, 1736].
X-rays [2013, 573, 3015]. **XAFS** [2680]. **xerography** [962]. **xi** [4018]. **Xia** [3030]. **Xiangqun** [3113]. **Xiao** [3003, 3542]. **Xiao-Dong** [3542]. **Xiaoyi** [3098]. **Xie** [2836]. **xii** [662, 4139, 3337]. **xiii** [4218]. **Xin** [2756, 2784]. **Xin-Nian** [2756]. **Xin-She** [2784]. **xiv** [4123]. **xix** [4191]. **Xun** [2660]. **xv** [4140, 4154, 4257]. **xvi** [4177, 4155, 112, 4235]. **xviii** [4005, 4248]. **xx** [4045]. **xxi** [3618, 4221, 4259]. **xxii** [4184]. **XXIX** [417]. **XXIXth** [3593]. **XXVI** [317]. **XXVII** [316]. **XXVIII** [379]. **xxx** [869].

Yabe [2789]. **Yagi** [2313]. **Yair** [4255]. **Yakovlev** [2541]. **Yale** [2787]. **Yamaji** [3103, 2789]. **Yamamoto** [3993, 3802]. **Yan** [3319, 3560]. **Yanagisawa** [3103]. **Yang** [2948, 4001, 4024, 2341, 3003, 2784, 2905]. **Yanofsky** [2317]. **Yaroslav** [3079]. **Yaroslavsky** [3559]. **Yasuhiko** [2472]. **Year** [1082, 3289, 3193, 2765, 3335, 2396, 2300, 2126, 2231]. **Years** [3313, 3171, 2755, 2850, 3267, 3885, 1026, 1981, 1131, 784, 1769, 3987, 1156, 3886, 2303, 1117, 1254, 2571, 1079, 3797, 3428]. **Yeh** [2486, 3998]. **Yi** [4068, 3003, 3542]. **yields** [1826]. **Yin** [3998, 2982]. **Yitzhak** [2622]. **Ylinen** [3710]. **Yn** [2927]. **Yn-Hwang** [2927]. **Yoccoz** [2315]. **Yoel** [3213]. **Yor** [3138]. **York** [4000, 4148, 3459, 3421, 4117, 4158, 144, 4171, 4116]. **Yoshi** [2657]. **Yoshimura** [2998]. **Young** [3318, 3609, 3633]. **yttrium** [791]. **Yu** [2485, 2792, 2783, 2822]. **Yuan** [2783]. **Yuan-Yu** [2783]. **Yuen** [3506]. **Yuen-Zhou** [3506]. **Yuichi** [2657]. **Yuka** [4150]. **Yukawa** [2134]. **Yukio** [3143]. **Yuli** [3076]. **Yun** [2930]. **Yun-Shik** [2930]. **Yupapin** [3534]. **Yuri** [3276]. **Yurov** [4044]. **Yves** [2834, 2610].

Z [2858, 4056, 3312, 2422, 2827]. **Zaffaroni** [4070]. **Zafropulos** [2803]. **Zagoskin** [2797]. **Zain** [4188]. **Zaitsev** [3007]. **Zamboni** [3370]. **Zamboni-Rached** [3370]. **Zamolodchikov** [3079, 3079]. **Zamponi** [4210]. **Zandvoort** [3795]. **Zanghi** [4154]. **Zangwill** [3166]. **Zanni** [2696]. **Zanotti** [3278]. **Zanotto** [3254]. **Zap** [3262]. **Zappe** [3611]. **Zaremba** [2580]. **Zavidovique** [2884]. **Zdzislaw** [2399]. **Zee** [2666, 3625, 3155]. **Zeljko** [3577]. **Zelnikov** [3576, 2914]. **Zenghu** [3011]. **Zero** [843]. **Zero-gravity** [843]. **Zettili** [2579]. **Zewail** [3432]. **Zhang** [4068, 4119, 4107, 3674, 3145]. **Zheng** [4250, 3823, 3996, 3674]. **Zhong** [4167]. **Zhong-Qi** [4167]. **Zhou** [3506]. **Zhu** [2982, 3165]. **Zichichi** [3702]. **Ziman** [2935]. **Zimmermann** [3208, 3484]. **Zipf** [2142]. **Zirker** [3284]. **ZnO** [3003]. **Zoltán** [3591]. **zone** [525, 274]. **zones** [274, 282]. **Zooniverse** [4109]. **Zuber** [2701]. **Zuckerman** [4123]. **Zwaan** [2440].

References

Hinshelwood:1959:F

- [1] C. N. Hinshelwood. Foreword. *Contemporary Physics*, 1(1):1, 1959. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Frisch:1959:MB

- [2] O. R. Frisch. Molecular beams. *Contemporary Physics*, 1(1):3–16, 1959. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blin-Stoyle:1959:SAN

- [3] R. J. Blin-Stoyle. The structure of the atomic nucleus. *Contemporary Physics*, 1(1):17–34, 1959. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kellner:1959:AHO

- [4] L. Kellner. Alexander von Humboldt and the organization of international collaboration in geophysical research. *Contemporary Physics*, 1(1):35–48, 1959. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Beck:1959:SDE

- [5] H. V. Beck. The selection and design of experiments for alternating current teaching. *Contemporary Physics*, 1(1):49–55, 1959. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sabey:1959:SFE

- [6] Barbara E. Sabey. Skidding friction the effect of hysteresis losses in tyre tread rubber. *Contemporary Physics*, 1(1):56–61, 1959. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wilson:1959:LSU

- [7] E. J. Wilson and J. D. H. Hughes. Light sources using radioisotopes. *Contemporary Physics*, 1(1):62–69, 1959. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1959:RTP

- [8] Anonymous. A review of: “*Turning points in physics*”. *Contemporary Physics*, 1(1):70–76, 1959. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Emms:1959:RRG

- [9] D. A. Emms. A review of: “*Reading German for scientists*”. *Contemporary Physics*, 1(1):77–80, 1959. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Massey:1959:SR

- [10] H. S. W. Massey. Space research. *Contemporary Physics*, 1(2):81–95, 1959. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tolansky:1959:DP

- [11] S. Tolansky. Diamond. Part 1. *Contemporary Physics*, 1(2):96–111, 1959. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

TerHaar:1959:SRD

- [12] D. Ter Haar. Some recent developments in the many-body problem. *Contemporary Physics*, 1(2):112–133, 1959. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rosser:1959:ESO

- [13] W. G. V. Rosser. Electromagnetism as a second-order effect (I). The definition of the ampere. *Contemporary Physics*, 1(2):134–141, 1959. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lester:1959:PST

- [14] F. Lester. Physical science for teachers in training. *Contemporary Physics*, 1(2):142–146, 1959. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cockcroft:1959:CC

- [15] Sir John Cockcroft. Churchill College. *Contemporary Physics*, 1(2):147–150, 1959. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Elton:1959:CHP

- [16] L. R. B. Elton. A clearing house for physics students. *Contemporary Physics*, 1(2):151–153, 1959. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1959:F

- [17] Anonymous. Foundations. *Contemporary Physics*, 1(2):154–158, 1959. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1959:RSC

- [18] Anonymous. A review of: “*The spiritual crisis of the scientific age*”. *Contemporary Physics*, 1(2):159–162, 1959. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1959:RES

- [19] Anonymous. A review of: “*Exploring the structure of matter*”. *Contemporary Physics*, 1(2):163–168, 1959. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chick:1960:PR

- [20] D. R. Chick. Plasma research. *Contemporary Physics*, 1(3):169–190, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Feather:1960:HNNa

- [21] N. Feather. A history of neutrons and nuclei. Part 1. *Contemporary Physics*, 1(3):191–203, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wilson:1960:CRP

- [22] J. G. Wilson. Cosmic radiation: The primary particles. *Contemporary Physics*, 1(3):204–219, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Crombie:1960:SRS

- [23] A. C. Crombie. The scientific revolution of the seventeenth century and its consequences. *Contemporary Physics*, 1(3):220–229, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Holloway:1960:SG

- [24] D. G. Holloway. The strength of glass. *Contemporary Physics*, 1(3):230–235, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Scupham:1960:TTS

- [25] John Scupham. Television and the teaching of science. *Contemporary Physics*, 1(3):236–241, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lockett:1960:SMA

- [26] H. Lockett. The science masters’ association annual meeting. *Contemporary Physics*, 1(3):242–244, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1960:IPR

- [27] Anonymous. The Institute of Physics report on the teaching of mathematics to physicists (1959). *Contemporary Physics*, 1(3):245–247, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1960:F

- [28] Anonymous. Foundations. *Contemporary Physics*, 1(3):247, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1960:DRG

- [29] Anonymous. D.S.I.R. grants. *Contemporary Physics*, 1(3):247, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lewis:1960:PSS

- [30] J. L. Lewis. The physical science study committee (1) a survey of its publications. *Contemporary Physics*, 1(3):248–252, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Noakes:1960:RHS

- [31] G. R. Noakes. A review of: “*Handbook of scientific instruments and apparatus*”. *Contemporary Physics*, 1(3):253–256, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Feather:1960:HNNb

- [32] N. Feather. A history of neutrons and nuclei. Part 2. *Contemporary Physics*, 1(4):257–266, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Yarnold:1960:UST

- [33] The Rev. G. D. Yarnold. Understanding surface tension. *Contemporary Physics*, 1(4):267–275, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tolansky:1960:DP

- [34] S. Tolansky. Diamond. Part 2. *Contemporary Physics*, 1(4):276–286, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Naylor:1960:PC

- [35] D. Naylor. Primary cells. *Contemporary Physics*, 1(4):287–303, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Siddall:1960:PSE

- [36] W. Siddall. The 44th physical society exhibition, 1960: (1) a visitor's impressions. *Contemporary Physics*, 1(4):304–305, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wilson:1960:PSE

- [37] M. H. Wilson. The 44th physical society exhibition, 1960: (2) the physical society colour group's exhibition. *Contemporary Physics*, 1(4):305–306, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Essen:1960:PSE

- [38] L. Essen. The 44th physical society exhibition, 1960: (3) atomic clocks. *Contemporary Physics*, 1(4):306–307, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wright:1960:PSE

- [39] D. A. Wright. The 44th Physical Society Exhibition, 1960: (4) recent advances in solid-state physics. *Contemporary Physics*, 1(4):307–308, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Boulind:1960:PSS

- [40] Henry F. Boulind. The Physical Science Study Committee. (2) The Summer Institute courses. *Contemporary Physics*, 1(4):309–312, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1960:PTP

- [41] Anonymous. The postgraduate training of physicists in British universities. *Contemporary Physics*, 1(4):313–314, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Noakes:1960:GFR

- [42] G. R. Noakes. Gulbenkian foundation reports. *Contemporary Physics*, 1(4):315–317, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1960:SES

- [43] Anonymous. Science education in a scientific age. *Contemporary Physics*, 1(4):318, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Woodward:1960:ERA

- [44] L. A. Woodward. Essay review: *Advances in spectroscopy* [edited by H. W. Thompson]. *Contemporary Physics*, 1(4):319–321, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1960:BRa

- [45] Anonymous. Book reviews. *Contemporary Physics*, 1(4):322–336, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salam:1960:EP

- [46] Abdus Salam. Elementary particles. *Contemporary Physics*, 1(5):337–354, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kip:1960:CRS

- [47] Arthur F. Kip. Cyclotron resonance in solids. *Contemporary Physics*, 1(5):355–369, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lipson:1960:XRC

- [48] H. Lipson. X-ray crystallography — a meeting place of the sciences. *Contemporary Physics*, 1(5):370–384, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jephcott:1960:MW

- [49] D. F. Jephcott. Magnetohydrodynamic waves. *Contemporary Physics*, 1(5):385–389, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bragg:1960:AMF

- [50] Sir Lawrence Bragg. Atoms and molecules: A Friday evening discourse delivered on November 20 1959. *Contemporary Physics*, 1(5):390–393, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Green:1960:PSC

- [51] L. L. Green and H. Muirhead. The Physical Society Conference on nuclear physics at Liverpool, March 1960. *Contemporary Physics*, 1(5):394–399, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hutcherson:1960:PSS

- [52] S. W. Hutcherson. The preparatory schools science course at denstone college, 1960. *Contemporary Physics*, 1(5):400–402, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bullen:1960:RDR

- [53] G. J. Bullen. Research day at the Royal Institution. The Department of Physics, Birkbeck College, University of London. *Contemporary Physics*, 1(5):403–405, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1960:ODR

- [54] Anonymous. Optical design research at imperial college. *Contemporary Physics*, 1(5):406, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Noakes:1960:CRa

- [55] G. R. Noakes. Contemporary reading. *Contemporary Physics*, 1(5):407–409, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Plant:1960:ERE

- [56] Sir Arnold Plant. Essay review: *Electronic computers and their business applications* [by A. J. Burton and R. J. Mills]. *Contemporary Physics*, 1(5):410–411, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1960:BRb

- [57] Anonymous. Book reviews. *Contemporary Physics*, 1(5):412–416, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cottrell:1960:MS

- [58] A. H. Cottrell. The metallic state. *Contemporary Physics*, 1(6):417–432, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Johnson:1960:CSI

- [59] Martin Johnson. The clue to a stellar interior from apse motion of a binary orbit. *Contemporary Physics*, 1(6):433–444, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:1960:DTD

- [60] C. A. Taylor. Diffraction in three dimensions. *Contemporary Physics*, 1(6):445–452, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rosser:1960:ESO

- [61] W. G. V. Rosser. Electromagnetism as a second-order effect (II). The electric and magnetic fields of a charge moving with uniform velocity. *Contemporary Physics*, 1(6):453–466, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Henderson:1960:IF

- [62] H. Henderson. Interference filters. *Contemporary Physics*, 1(6):467–478, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Laybourn:1960:WWT

- [63] K. Laybourn. Who will teach? *Contemporary Physics*, 1(6):479–482, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bates:1960:RST

- [64] L. F. Bates. The Royal Society tercentenary celebrations. *Contemporary Physics*, 1(6):483–485, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1960:MET

- [65] V. T. Saunders. Medical electronics: Third international conference and exhibition. *Contemporary Physics*, 1(6):486–494, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Thompson:1960:RPP

- [66] N. Thompson. Reports on progress in physics. *Contemporary Physics*, 1(6):495–497, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1960:BRc

- [67] Anonymous. Book reviews. *Contemporary Physics*, 1(6):498–500, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stevens:1960:M

- [68] K. W. H. Stevens. Masers. *Contemporary Physics*, 2(1):1–13, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1960:CSU

- [69] Anonymous. O.E.E.C. seminar on the use of television for the teaching of science. *Contemporary Physics*, 2(1):14, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1960:ISR

- [70] Anonymous. The international scientific radio union. *Contemporary Physics*, 2(1):14, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Poole:1960:NB

- [71] M. J. Poole. The neutron booster. *Contemporary Physics*, 2(1):15–20, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tricker:1960:SP

- [72] R. A. R. Tricker. The sceptical physicist. *Contemporary Physics*, 2(1):21–30, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Allen:1960:TG

- [73] W. D. Allen. The tandem generator. *Contemporary Physics*, 2(1):31–38, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

White:1960:PSS

- [74] Stephen White. The physical science study committee (3) the planning and structure of the course. *Contemporary Physics*, 2(1):39–54, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bates:1960:PBA

- [75] L. F. Bates. Physics at the British Association, Cardiff meeting, 1960. *Contemporary Physics*, 2(1):55–58, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Williams:1960:NPM

- [76] W. S. C. Williams. The nuclear physics meeting of the Institute of Physics and the Physical Society, Glasgow, September, 1960. *Contem-*

porary Physics, 2(1):59–62, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1960:OAE

- [77] V. T. Saunders. Opening of the Atomic Energy Establishment, Widrith. *Contemporary Physics*, 2(1):63–68, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1960:ICP

- [78] Anonymous. International conference on physics education. *Contemporary Physics*, 2(1):69–70, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wenham:1960:CPS

- [79] E. J. Wenham. Conference of the physical sciences section of the association of teachers in colleges and departments of education. *Contemporary Physics*, 2(1):71–72, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Noakes:1960:CRb

- [80] G. R. Noakes. Contemporary reading. *Contemporary Physics*, 2(1):73–74, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Linfoot:1960:RSE

- [81] E. H. Linfoot. A review of: “*La structure et l’évolution de l’univers*”. *Contemporary Physics*, 2(1):75–77, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1960:RST

- [82] Anonymous. A review of: “*The special theory of relativity*”. *Contemporary Physics*, 2(1):78–80, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rotherham:1960:EWN

- [83] L. Rotherham. Energy for the world’s needs. *Contemporary Physics*, 2(2):81–92, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Williams:1960:FSM

- [84] L. Pearce Williams. Faraday and the structure of matter. *Contemporary Physics*, 2(2):93–105, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stephenson:1960:SS

- [85] I. M. Stephenson. Science in space. *Contemporary Physics*, 2(2):106–114, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Noakes:1960:CA

- [86] G. R. Noakes. Corso di aggiornamento. *Contemporary Physics*, 2(2):115, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Evans:1960:RA

- [87] J. V. Evans. Radar astronomy. *Contemporary Physics*, 2(2):116–142, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lee:1960:NLV

- [88] E. W. Lee. Non-linear vibrations. *Contemporary Physics*, 2(2):143–156, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1960:POR

- [89] V. T. Saunders. The Post Office Research Station, Dollis Hill, London, N.W.2 open days 22–23 September 1960. *Contemporary Physics*, 2(2):157–164, 1960. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sutton:1961:AFM

- [90] Sir Graham Sutton, C.B.E. Advancing fronts in meteorology. *Contemporary Physics*, 2(3):165–182, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nixon:1961:XRM

- [91] W. C. Nixon. X-ray microscopy. *Contemporary Physics*, 2(3):183–197, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Freitag:1961:FS

- [92] E. H. Freitag. The friction of solids. *Contemporary Physics*, 2(3):198–216, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mitchell:1961:PD

- [93] Dr. E. W. J. Mitchell. The physics of diamond. *Contemporary Physics*, 2(3):217–222, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shoenberg:1961:LTP

- [94] D. Shoenberg. Low temperature physics. *Contemporary Physics*, 2(3):223–230, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

N:1961:CRa

- [95] G. R. N. Contemporary reading. *Contemporary Physics*, 2(3):231–235, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1961:OIC

- [96] Anonymous. Optics at imperial college. *Contemporary Physics*, 2(3):235, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1961:AEI

- [97] Anonymous. The 45th annual exhibition of the Institute of Physics and the Physical Society. *Contemporary Physics*, 2(3):236–237, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lockett:1961:SMA

- [98] H. Lockett. The science masters' association annual meeting. *Contemporary Physics*, 2(3):238–240, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1961:DRG

- [99] Anonymous. D.S.I.R. grants and awards, 1961. *Contemporary Physics*, 2(3):240, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cobbold:1961:RTR

- [100] G. B. Cobbold. A review of: “*Translation from Russian for scientists*”. *Contemporary Physics*, 2(3):241–244, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mcaulay:1961:SCD

- [101] J. Mcaulay. Science in civil defence. *Contemporary Physics*, 2(4):245–252, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

King-Hele:1961:SOT

- [102] D. G. King-Hele. Satellite orbits and their geophysical implications. *Contemporary Physics*, 2(4):253–267, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Braddick:1961:IS

- [103] H. J. J. Braddick. Interference spectroscopy. *Contemporary Physics*, 2(4):268–276, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jennings:1961:M

- [104] R. E. Jennings. The microtron. *Contemporary Physics*, 2(4):277–285, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Birss:1961:EI

- [105] R. R. Birss. Electromagnetic induction. *Contemporary Physics*, 2(4):286–297, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wenham:1961:PST

- [106] E. J. Wenham. Physical science in the training college. *Contemporary Physics*, 2(4):298–301, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bateman:1961:TPG

- [107] P. J. Bateman. Thermoelectric power generation. *Contemporary Physics*, 2(4):302–311, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1961:NCL

- [108] V. T. Saunders. The national chemical laboratory. *Contemporary Physics*, 2(4):312–317, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1961:MPE

- [109] Anonymous. Mathematics for physicists and engineers. *Contemporary Physics*, 2(4):318, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1961:CR

- [110] Anonymous. Contemporary reading. *Contemporary Physics*, 2(4):319–320, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rosser:1961:RCE

- [111] W. G. V. Rosser. A review of: “*Classical electricity and magnetism*”. *Contemporary Physics*, 2(4):321–324, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Frisch:1961:BRD

- [112] Otto Robert Frisch. Book review: *From dualism to unity in physics*. By A. Landé (Cambridge University Press, 1960). Pp. xvi + 114. *Contemporary Physics*, 2(4):323, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blin-Stoyle:1961:PFT

- [113] R. J. Blin-Stoyle. Particles, field theory and force. *Contemporary Physics*, 2(5):325–344, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harper:1961:EFC

- [114] W. R. Harper. Electrification following the contact of solids. *Contemporary Physics*, 2(5):345–359, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vigoureux:1961:GRP

- [115] P. Vigoureux. The gyromagnetic ratio of the proton. *Contemporary Physics*, 2(5):360–366, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lenihan:1961:SS

- [116] J. M. A. Lenihan. The scalpel and the spectroscope. *Contemporary Physics*, 2(5):367–380, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

N:1961:PGS

- [117] G. R. N. Physics for grammar schools. *Contemporary Physics*, 2(5):381, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1961:R

- [118] Anonymous. On the record. *Contemporary Physics*, 2(5):382–384, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Waldron:1961:SRT

- [119] M. B. Waldron. A survey of research on the transuranic elements. *Contemporary Physics*, 2(5):385–402, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

StJoanofArc:1961:TMP

- [120] Sister St. Joan of Arc. The teaching of modern physics in schools. *Contemporary Physics*, 2(5):403–408, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

DeBarr:1961:ASC

- [121] A. E. De Barr. The applications of single crystals. *Contemporary Physics*, 2(6):409–422, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lewis:1961:NAL

- [122] G. M. Lewis. Neutrino and antineutrino losses in nuclear processes. *Contemporary Physics*, 2(6):423–427, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Davies:1961:REI

- [123] R. D. Davies. Radio emission from interstellar neutral hydrogen. *Contemporary Physics*, 2(6):428–446, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

VonEngel:1961:NPP

- [124] A. Von Engel. The nature and properties of a plasma. *Contemporary Physics*, 2(6):447–462, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Brown:1961:AVR

- [125] G. W. Brown. Accurate voltage reference systems. *Contemporary Physics*, 2(6):463–471, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chalmers:1961:CBC

- [126] J. Alan Chalmers. The correspondence between a current-carrying coil and a magnetic dipole. *Contemporary Physics*, 2(6):472–474, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

S:1961:DRE

- [127] V. T. S. DSIR research establishments. *Contemporary Physics*, 2(6):475–478, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

N:1961:CRb

- [128] G. R. N. Contemporary reading. *Contemporary Physics*, 2(6):479–481, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Powles:1961:ERN

- [129] J. G. Powles. Essay review: The nucleus as it usually is. *The Principles of Nuclear Magnetism*, by A. Abragam. *Contemporary Physics*, 2(6):482–483, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1961:BRa

- [130] Anonymous. Book reviews. *Contemporary Physics*, 2(6):484–488, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Martin:1961:LML

- [131] J. W. Martin. Looking at metals: A lecture for schools. *Contemporary Physics*, 3(1):1–15, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Frisch:1961:TRP

- [132] O. R. Frisch. Time and relativity: Part I. *Contemporary Physics*, 3(1):16–27, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rosser:1961:ESO

- [133] W. G. V. Rosser. Electromagnetism as a second order effect. Paper III. The Biot–Savart law. *Contemporary Physics*, 3(1):28–44, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jelley:1961:CRO

- [134] J. V. Jelley. Čerenkov radiation: Its origin, properties and applications. *Contemporary Physics*, 3(1):45–57, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Parkinson:1961:SAI

- [135] D. H. Parkinson. Some aspects of the infra-red absorption spectra of semiconductors. *Contemporary Physics*, 3(1):58–74, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1961:WIR

- [136] V. T. Saunders. The wool industries research association. *Contemporary Physics*, 3(1):75–79, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salam:1961:PAI

- [137] A. Salam. The proceedings of the 1960 Annual International Conference on high energy physics at Rochester, N.Y. *Contemporary Physics*, 3(1):80, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stevens:1961:CA

- [138] S. H. G. Stevens. Clean air. *Contemporary Physics*, 3(2):81–90, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wilson:1961:CPW

- [139] M. H. Wilson and R. W. Brocklebank. Colour and perception: The work of Edwin Land in the light of current concepts. *Contemporary Physics*, 3(2):91–111, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ballentyne:1961:E

- [140] D. W. G. Ballentyne. Electroluminescence. *Contemporary Physics*, 3(2):112–124, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1961:DWD

- [141] Anonymous. 1. Determination of wood density variation across tree growth rings by means of β -particle absorption. *Contemporary Physics*, 3(2):125–133, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1961:NPL

- [142] V. T. Saunders. The national physical laboratory: Solids at extremely high pressures. *Contemporary Physics*, 3(2):134–137, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1961:IPP

- [143] Anonymous. The Institute of Physics and the Physical Society conference on nuclear physics. *Contemporary Physics*, 3(2):138–139, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nightingale:1961:RFI

- [144] A. Nightingale. Report on the fourth International Conference and Exhibition on Medical Electronics, New York, 1961. *Contemporary Physics*, 3(2):140–144, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1961:RHE

- [145] Anonymous. The Rutherford High Energy Laboratory of the National Institute for Research in Nuclear Science. *Contemporary Physics*, 3(2):145–149, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gibbs:1961:ER

- [146] D. F. Gibbs. Essay review. *Contemporary Physics*, 3(2):150–151, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Griffith:1961:BAM

- [147] M. V. Griffith. The British Association meeting at Norwich. *Contemporary Physics*, 3(2):152–154, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Geake:1961:RM

- [148] J. E. Geake. Rutherford in Manchester. *Contemporary Physics*, 3(2):155–158, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1961:BRb

- [149] Anonymous. Book review. *Contemporary Physics*, 3(2):159–160, 1961. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Aitken:1962:PAa

- [150] M. J. Aitken. Physics applied to archaeology — Part I. *Contemporary Physics*, 3(3):161–176, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1962:AAP

- [151] Anonymous. The American Association of Physics Teachers: Demonstration experiments in physics. *Contemporary Physics*, 3(3):176, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blow:1962:MAB

- [152] D. M. Blow. The molecular approach to biology. *Contemporary Physics*, 3(3):177–193, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Frisch:1962:TRP

- [153] O. R. Frisch. Time and relativity: Part II. *Contemporary Physics*, 3(3):194–201, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pentland:1962:DTC

- [154] N. Pentland. The diploma in technology: Courses in applied physics. *Contemporary Physics*, 3(3):202–211, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1962:ER

- [155] Anonymous. Essay review. *Contemporary Physics*, 3(3):212–216, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Marsden:1962:ICC

- [156] P. L. Marsden. The International Conference on Cosmic Rays and the Earth Storm, Kyoto, Japan. September 3–15, 1961. *Contemporary Physics*, 3(3):217–221, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lee:1962:KIC

- [157] E. W. Lee. Kyoto 1961. The international conference on magnetism. *Contemporary Physics*, 3(3):222–238, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1962:AEI

- [158] Anonymous. The 46th annual exhibition of the Institute of Physics and the Physical Society — 15–19 January, 1962. *Contemporary Physics*, 3(3):239, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1962:HRS

- [159] Anonymous. Harwell Reactor School: Science masters course no. 2. *Contemporary Physics*, 3(3):240, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pickavance:1962:RTH

- [160] T. G. Pickavance. A review of: “*Techniques of high energy physics*”. *Contemporary Physics*, 3(3):240, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ziman:1962:EMSa

- [161] J. M. Ziman. Electrons in metals: A short guide to the Fermi surface. *Contemporary Physics*, 3(4):241–256, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Crook:1962:SPA

- [162] A. W. Crook. Some physical aspects of lubrication and wear. *Contemporary Physics*, 3(4):257–271, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Brocklebank:1962:TIC

- [163] R. W. Brocklebank. Two international colour meetings. *Contemporary Physics*, 3(4):272–277, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chalmers:1962:LEE

- [164] J. Alan Chalmers. The laws of electromagnetism and an electrostatic analogue. *Contemporary Physics*, 3(4):278–285, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ramanathan:1962:FLI

- [165] K. G. Ramanathan. Faraday's law of induction and the force on a body due to change in its magnetization in an electric field. *Contemporary Physics*, 3(4):286–289, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1962:NMM

- [166] V. T. Saunders. The NPL “microwave mekometer”. *Contemporary Physics*, 3(4):290–292, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1962:TSM

- [167] Anonymous. The teaching of science and mathematics. *Contemporary Physics*, 3(4):292, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1962:DRE

- [168] V. T. Saunders. DSIR research establishments: The Building Research Station, Garston. *Contemporary Physics*, 3(4):293–296, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1962:BAG

- [169] V. T. Saunders. The British Association Granada lectures 1961. *Contemporary Physics*, 3(4):297–298, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Paul:1962:MN

- [170] E. B. Paul. Masses of nuclei. *Contemporary Physics*, 3(4):299–302, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1962:HEI

- [171] Anonymous. High energy instrumentation. *Contemporary Physics*, 3(4):303–304, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1962:IS

- [172] Anonymous. Isotope separation. *Contemporary Physics*, 3(4):304–306, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1962:BRa

- [173] Anonymous. Book reviews. *Contemporary Physics*, 3(4):307–320, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ziman:1962:EMSb

- [174] J. M. Ziman. Electrons in metals: A short guide to the Fermi surface. *Contemporary Physics*, 3(5):321–333, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Aitken:1962:PAAb

- [175] M. J. Aitken. Physics applied to archaeology — part II. *Contemporary Physics*, 3(5):334–352, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hay:1962:ESB

- [176] E. J. Hay. Electromagnetism for schools, based on M.K.S.A. units. *Contemporary Physics*, 3(5):353–367, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Haber-Schaim:1962:PSS

- [177] Uri Haber-Schaim. The Physical Science Study Committee (4): The working session on physics teaching at the Cavendish Laboratory, Cambridge. *Contemporary Physics*, 3(5):368–374, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Frith:1962:OEA

- [178] R. Frith. Ozone in the Earth's atmosphere. *Contemporary Physics*, 3(5):375–381, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Buchdahl:1962:PBP

- [179] Gerd Buchdahl. The philosophical basis of physics. *Contemporary Physics*, 3(5):382–394, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harlow:1962:SMA

- [180] D. W. Harlow. The Science Masters' Association annual meeting, Imperial College, 2nd to 5th January, 1962. *Contemporary Physics*, 3(5):395–397, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1962:BRb

- [181] Anonymous. Book reviews. *Contemporary Physics*, 3(5):398–400, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ziman:1962:EMSc

- [182] J. M. Ziman. Electrons in metals: A short guide to the Fermi surface. *Contemporary Physics*, 3(6):401–414, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barrell:1962:M

- [183] H. Barrell. The metre. *Contemporary Physics*, 3(6):415–434, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ingram:1962:L

- [184] D. E. J. Ingram. Lasers. *Contemporary Physics*, 3(6):435–452, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tricker:1962:ACP

- [185] R. A. R. Tricker. Ampère as a contemporary physicist. *Contemporary Physics*, 3(6):453–468, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1962:RIC

- [186] V. T. Saunders. The Royal Institution Christmas lectures, 1961. *Contemporary Physics*, 3(6):469–473, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mendelssohn:1962:SCC

- [187] K. Mendelssohn. Sciences in Communist China. *Contemporary Physics*, 3(6):474–476, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wilson:1962:ER

- [188] J. G. Wilson. Essay review. *Contemporary Physics*, 3(6):477–479, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1962:BRc

- [189] Anonymous. Book reviews. *Contemporary Physics*, 3(6):480, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ziman:1962:EMSd

- [190] J. M. Ziman. Electrons in metals: A short guide to the Fermi surface. *Contemporary Physics*, 4(1):1–14, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Comley:1962:UHF

- [191] W. J. Comley. Ultra high frequency acoustic waves. *Contemporary Physics*, 4(1):15–26, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:1962:CCT

- [192] B. J. Mason. The cloud chamber as a tool in cloud physics. *Contemporary Physics*, 4(1):27–48, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jephcott:1962:SCP

- [193] D. F. Jephcott. The Salzburg conference on plasma physics and controlled nuclear fusion research (4th to 9th September, 1961). *Contemporary Physics*, 4(1):49–54, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1962:RSR

- [194] Anonymous. The Royal Society and research in schools. *Contemporary Physics*, 4(1):55–64, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1962:NPL

- [195] V. T. Saunders. At the national physical laboratory open days, may 1962. *Contemporary Physics*, 4(1):65–72, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Feather:1962:RM

- [196] N. Feather. Rutherford at McGill. *Contemporary Physics*, 4(1):73–78, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lenihan:1962:EP

- [197] J. M. A. Lenihan. Elementary particles. *Contemporary Physics*, 4(1):76–78, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1962:E

- [198] Anonymous. Erratum. *Contemporary Physics*, 4(1):78, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1962:BRd

- [199] Anonymous. Book reviews. *Contemporary Physics*, 4(1):79–80, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ziman:1962:EMSe

- [200] J. M. Ziman. Electrons in metals: A short guide to the Fermi surface. *Contemporary Physics*, 4(2):81–99, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:1962:PPS

- [201] N. R. Howard. The physical principles of semiconductor power rectifier operation. *Contemporary Physics*, 4(2):100–112, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Williams:1962:AEM

- [202] L. Pearce Williams. Ampère's electrodynamic molecular model. *Contemporary Physics*, 4(2):113–123, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mackinnon:1962:UA

- [203] L. Mackinnon. Ultrasonic attenuation. *Contemporary Physics*, 4(2):124–138, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Martin:1962:FSG

- [204] D. H. Martin. Filling the spectroscopic gap between microwaves and the infra-red. Part I. *Contemporary Physics*, 4(2):139–153, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bright:1962:ERA

- [205] A. W. Bright. Essay review: Applied electrostatics. *Contemporary Physics*, 4(2):154–155, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1962:SMC

- [206] Anonymous. Science master course at the Harwell Reactor School. *Contemporary Physics*, 4(2):156, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1962:BR

- [207] Anonymous. Book reviews. *Contemporary Physics*, 4(2):156–160, 1962. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Glaser:1963:TIT

- [208] Peter E. Glaser. Thermal imaging techniques for high-temperature research. *Contemporary Physics*, 4(3):161–175, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Roberts:1963:CPU

- [209] J. E. Roberts. Codes of practice for the use of ionizing radiations. *Contemporary Physics*, 4(3):176–186, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Martin:1963:FSG

- [210] D. H. Martin. Filling the spectroscopic gap between microwaves and the infra-red. Part II. *Contemporary Physics*, 4(3):187–205, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Beck:1963:PCW

- [211] H. V. Beck. Practical class work at the Cavendish Laboratory: A new approach. *Contemporary Physics*, 4(3):206–220, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Parasnis:1963:PSS

- [212] A. S. Parasnis. The production of a single slit diffraction pattern by reflection. *Contemporary Physics*, 4(3):221–222, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1963:DREa

- [213] V. T. Saunders. DSIR research establishments. The British Leather Manufacturers' Research Association. *Contemporary Physics*, 4(3):223–227, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1963:SER

- [214] V. T. Saunders. Some exhibits at the Royal Society conversazione, May 1962. *Contemporary Physics*, 4(3):228–230, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1963:BRa

- [215] Anonymous. Book reviews. *Contemporary Physics*, 4(3):231–240, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ghosh:1963:RS

- [216] S. N. Ghosh and Sharda Nand. Rocket spectroscopy. *Contemporary Physics*, 4(4):241–255, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Silcox:1963:EMT

- [217] J. Silcox. The electron microscopy of thin metal foils. *Contemporary Physics*, 4(4):256–277, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McCrea:1963:OSS

- [218] W. H. McCrea. The origin of the solar system. *Contemporary Physics*, 4(4):278–290, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1963:NPLa

- [219] V. T. Saunders. At the national physical laboratory. *Contemporary Physics*, 4(4):291–292, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1963:DREb

- [220] V. T. Saunders. DSIR research establishments. *Contemporary Physics*, 4(4):293–298, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harlow:1963:SMA

- [221] D. W. Harlow. The Science Masters' Association annual meeting Manchester College of Science and Technology, 2nd to 5th January, 1963. *Contemporary Physics*, 4(4):299–303, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1963:ESU

- [222] Anonymous. Emigration of scientists from the United Kingdom. *Contemporary Physics*, 4(4):304–305, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dolder:1963:ERA

- [223] K. Dolder. Essay review: The application of shock waves to research in chemistry and physics. *Contemporary Physics*, 4(4):306–308, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Heywood:1963:SF

- [224] Harold Heywood. Solar furnaces. *Contemporary Physics*, 4(4):308–312, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gibbs:1963:RPP

- [225] D. F. Gibbs. Reports on progress in physics. *Contemporary Physics*, 4(4):312–314, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1963:BRb

- [226] Anonymous. Book reviews. *Contemporary Physics*, 4(4):315–320, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Karasz:1963:AC

- [227] F. E. Karasz. Adiabatic calorimetry. *Contemporary Physics*, 4(5):321–330, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Thomas:1963:SAP

- [228] D. K. Thomas. Some aspects of the physics of space research. *Contemporary Physics*, 4(5):331–337, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Powles:1963:NAT

- [229] J. G. Powles. Negative absolute temperatures and rotating temperatures. *Contemporary Physics*, 4(5):338–355, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bacon:1963:SC

- [230] D. F. Bacon and W. F. Nash. Spark chambers. *Contemporary Physics*, 4(5):356–372, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

StJoanofArc:1963:ETP

- [231] Sister St. Joan of Arc. An enquiry into the teaching of physical science in girls' grammar schools. *Contemporary Physics*, 4(5):373–391, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Geake:1963:PBM

- [232] J. E. Geake. Physics at the B.A. in Manchester — 1962. *Contemporary Physics*, 4(5):392–398, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1963:BRc

- [233] Anonymous. Book reviews. *Contemporary Physics*, 4(5):399–400, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pain:1963:SWP

- [234] H. J. Pain. Shock waves in a plasma. *Contemporary Physics*, 4(6):401–421, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mendelssohn:1963:PST

- [235] K. A. G. Mendelssohn. Physical science in the twentieth century. *Contemporary Physics*, 4(6):422–434, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hilsum:1963:SDP

- [236] C. Hilsum and P. G. R. King. Some demonstrations of the properties of optical masers. *Contemporary Physics*, 4(6):435–444, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Holton:1963:TPOa

- [237] Gerald Holton. On the teaching of physics as one of the basic sciences at university level — Part I: Objectives. *Contemporary Physics*, 4(6):445–452, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lyness:1963:EAE

- [238] R. C. Lyness. The equivalence of Ampère's Electrodynamical Law and that of Biot and Savart. *Contemporary Physics*, 4(6):453–455, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chalmers:1963:TMG

- [239] J. Alan Chalmers. Taking the mystery out of Gauss's Theorem. *Contemporary Physics*, 4(6):456–458, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sansom:1963:MFA

- [240] D. J. Sansom. The magnetic field arising from a steady current flowing in a long straight conductor of rectangular cross-section. *Contemporary Physics*, 4(6):459–461, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1963:HFA

- [241] V. T. Saunders. “Harwell” — a film about the Atomic Energy Research Establishment. *Contemporary Physics*, 4(6):462, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1963:NCL

- [242] V. T. Saunders. At the National Chemical Laboratory open days, September 1962. *Contemporary Physics*, 4(6):463–467, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1963:RG

- [243] Anonymous. Relativity and gravity. *Contemporary Physics*, 4(6):468–472, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1963:BRd

- [244] Anonymous. Book reviews. *Contemporary Physics*, 4(6):473–480, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Holton:1963:TPOb

- [245] Gerald Holton, Professor of Physics. On the teaching of physics as one of the basic sciences at university level — part II: Curriculum development. *Contemporary Physics*, 5(1):1–14, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Brown:1963:NTD

- [246] G. Burniston Brown. A new treatment of diffraction. *Contemporary Physics*, 5(1):15–27, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Williams:1963:FDE

- [247] L. Pearce Williams. Faraday's discovery of electromagnetic induction. *Contemporary Physics*, 5(1):28–37, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Caro:1963:PCV

- [248] D. E. Caro. Physics courses in Victoria, Australia. *Contemporary Physics*, 5(1):38–49, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bunton:1963:LFP

- [249] Helen Bunton. Looking forward in physics and chemistry teaching. *Contemporary Physics*, 5(1):50–51, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1963:QS

- [250] Anonymous. The quiet sun. *Contemporary Physics*, 5(1):52–54, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1963:M

- [251] Anonymous. Magnetism. *Contemporary Physics*, 5(1):55–58, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1963:EE

- [252] Anonymous. The Earth's environment. *Contemporary Physics*, 5(1):58–61, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bishop:1963:CLR

- [253] R. E. D. Bishop and V. T. Saunders. The Christmas lectures at the Royal Institution on vibration. *Contemporary Physics*, 5(1):62–63, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1963:CMW

- [254] Anonymous. 'Communication in the modern world'. *Contemporary Physics*, 5(1):64, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1963:NRT

- [255] Anonymous. The new radio telescope at the Mullard Observatory at Cambridge. *Contemporary Physics*, 5(1):65–66, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1963:NPLb

- [256] V. T. Saunders. At the national physical laboratory open days, may 1963. *Contemporary Physics*, 5(1):67–70, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1963:BRe

- [257] Anonymous. Book reviews. *Contemporary Physics*, 5(1):71–80, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Schawlow:1963:OIR

- [258] Arthur L. Schawlow. Optical and infra-red masers. *Contemporary Physics*, 5(2):81–102, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Thomson:1963:RTP

- [259] Sir George Thomson. Research in theory and practice. *Contemporary Physics*, 5(2):103–111, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hill:1963:DPP

- [260] Nora E. Hill. Demonstration of the properties of polarized light using a Michelson interferometer. *Contemporary Physics*, 5(2):112–113, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pounds:1963:RSD

- [261] K. A. Pounds. The Royal Society discussion on satellite Ariel, May 1963. *Contemporary Physics*, 5(2):114–116, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1963:NPLc

- [262] V. T. Saunders. At the national physical laboratory open days, may, 1963: The use of artificial satellites for relating time at distant points. *Contemporary Physics*, 5(2):117–119, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1963:RRR

- [263] Anonymous. Recent research reports. *Contemporary Physics*, 5(2):120–121, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1963:DREc

- [264] V. T. Saunders. DSIR research establishments: New physics division laboratories at the building research station, Garston. *Contemporary Physics*, 5(2):122–131, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1963:NPLd

- [265] V. T. Saunders. At the national physical laboratory open days, 1963. *Contemporary Physics*, 5(2):132–136, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1963:RPI

- [266] Anonymous. A review of: “*Proceedings of the International Conference on the Ionosphere*”. *Contemporary Physics*, 5(2):137, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rochester:1963:SP

- [267] G. D. Rochester. Strange particles. *Contemporary Physics*, 5(2):138–140, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Grassie:1963:AD

- [268] A. D. C. Grassie. Apparatus drawings. *Contemporary Physics*, 5(2):140–143, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Noakes:1963:CR

- [269] G. R. Noakes. Contemporary reading. *Contemporary Physics*, 5(2):144–147, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1963:PFU

- [270] Anonymous. Problems facing university physics departments. *Contemporary Physics*, 5(2):148–150, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1963:BRf

- [271] Anonymous. Book reviews. *Contemporary Physics*, 5(2):151–160, 1963. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Olsen:1964:SMF

- [272] J. L. Olsen. Strong magnetic fields. *Contemporary Physics*, 5(3):161–179, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bull:1964:FTD

- [273] R. M. Bull, W. F. Nash, and B. C. Rastin. Flash tube detectors. *Contemporary Physics*, 5(3):180–197, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rosser:1964:VARa

- [274] W. G. V. Rosser. The Van Allen radiation zones I: The theory of trapping and the inner zone. *Contemporary Physics*, 5(3):198–211, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lenihan:1964:SRR

- [275] J. M. A. Lenihan. The Scottish Research Reactor Centre. *Contemporary Physics*, 5(3):212–216, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1964:SER

- [276] V. T. Saunders. Some exhibits at the Royal Society conversazione, 16th May, 1963. *Contemporary Physics*, 5(3):217–221, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1964:POR

- [277] V. T. Saunders. Post Office Research Station (Dollis Hill) open days, 12th and 13th September, 1963. *Contemporary Physics*, 5(3):222–226, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1964:HRS

- [278] V. T. Saunders. Hydraulics research station open day, 11th September, 1963. *Contemporary Physics*, 5(3):227–232, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Noakes:1964:FST

- [279] G. R. Noakes. Films for science teachers. *Contemporary Physics*, 5(3):233–234, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1964:BRa

- [280] Anonymous. Book reviews. *Contemporary Physics*, 5(3):234–240, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Massey:1964:STeA

- [281] Sir Harrie Massey. Space travel and exploration. *Contemporary Physics*, 5(4):241–254, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rosser:1964:VARb

- [282] W. G. V. Rosser. The Van Allen radiation zones. *Contemporary Physics*, 5(4):255–269, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ferguson:1964:IFN

- [283] A. T. G. Ferguson. IBIS. A fast neutron time-of-flight system. *Contemporary Physics*, 5(4):270–279, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

King:1964:RDR

- [284] P. G. R. King. Rotation detection with a ‘ring-laser’. *Contemporary Physics*, 5(4):280–283, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Noakes:1964:EDQ

- [285] G. R. Noakes. Elementary demonstrations: (1) quantitative electrostatics. *Contemporary Physics*, 5(4):284–291, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chalmers:1964:DEE

- [286] J. Alan Chalmers. A difficulty in elementary electromagnetism. *Contemporary Physics*, 5(4):292, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Henderson:1964:DSD

- [287] J. C. Henderson. Diffraction studies of dislocations in silicon. *Contemporary Physics*, 5(4):293–295, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1964:CMW

- [288] V. T. Saunders. Communication in the modern world. *Contemporary Physics*, 5(4):296–297, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harlow:1964:ASE

- [289] D. W. Harlow. The association for science education annual meeting. *Contemporary Physics*, 5(4):298–301, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Oldham:1964:URC

- [290] Frank Oldham. University reactions to changes in school physics teaching. *Contemporary Physics*, 5(4):302–303, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Burcham:1964:RMC

- [291] W. E. Burcham. Rutherford at Manchester, 1907–19 The Collected Papers of Lord Rutherford of Nelson, Vol. 2. (London: George Allen & Unwin, 1963.) [Pp. 590] 105s. *Contemporary Physics*, 5(4):304–308, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jennings:1964:IPR

- [292] John C. Jennings, M.P. From inside Parliament (1): The Robbins report. *Contemporary Physics*, 5(4):308–310, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Albu:1964:IPR

- [293] Austen Albu, M.P. From inside Parliament (2): The Robbins report and the Trend report. *Contemporary Physics*, 5(4):311–313, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1964:BRb

- [294] Anonymous. Book reviews. *Contemporary Physics*, 5(4):314–320, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hume-Rothery:1964:SNS

- [295] W. Hume-Rothery. Some notes on the structures of alloys of iron. *Contemporary Physics*, 5(5):321–347, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Burhop:1964:PEP

- [296] E. H. S. Burhop. The physics of elementary particles. *Contemporary Physics*, 5(5):348–358, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rowlinson:1964:TLE

- [297] J. S. Rowlinson. The theory of liquids at equilibrium. *Contemporary Physics*, 5(5):359–376, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Felici:1964:CEP

- [298] N. J. Felici. Contemporary electrostatics — i: Physical background and applications. *Contemporary Physics*, 5(5):377–390, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1964:PSA

- [299] V. T. Saunders. Particle size analysis. *Contemporary Physics*, 5(5):391–393, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Llowarch:1964:SM

- [300] W. Llowarch. Schlieren methods. *Contemporary Physics*, 5(5):394–397, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1964:BRc

- [301] Anonymous. Book reviews. *Contemporary Physics*, 5(5):398–400, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mott:1964:TQP

- [302] Sir Nevill Mott. On teaching quantum phenomena. *Contemporary Physics*, 5(6):401–418, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Felici:1964:CEI

- [303] N. J. Felici. Contemporary electrostatics — II: Ionization charging and insulation. *Contemporary Physics*, 5(6):419–437, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Suddaby:1964:TPL

- [304] Arthur Suddaby. Transport processes in liquids. *Contemporary Physics*, 5(6):438–456, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Massey:1964:STEb

- [305] Sir Harrie Massey. Space travel and exploration. *Contemporary Physics*, 5(6):457–471, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lenihan:1964:CR

- [306] J. M. A. Lenihan. Contemporary reading. *Contemporary Physics*, 5(6):472–475, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bolton:1964:ASE

- [307] W. Bolton. The association for science education: Physics teaching aids. *Contemporary Physics*, 5(6):475, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lenihan:1964:AEI

- [308] J. M. A. Lenihan. The 48th annual exhibition of the Institute of Physics and the Physical Society, January 1964. *Contemporary Physics*, 5(6):476–477, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1964:BRd

- [309] Anonymous. Book reviews. *Contemporary Physics*, 5(6):478–480, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wright:1964:NLO

- [310] J. K. Wright. Non-linear optics. *Contemporary Physics*, 6(1):1–14, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vigoureux:1964:EUA

- [311] P. Vigoureux. Electric units and atomic constants. *Contemporary Physics*, 6(1):15–25, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Massey:1964:STEc

- [312] Sir Harrie Massey. Space travel and exploration. *Contemporary Physics*, 6(1):26–48, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lenihan:1964:MEC

- [313] J. M. A. Lenihan. Macmillan–Eothen ‘Cinette’ film loops. *Contemporary Physics*, 6(1):49, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Appleton:1964:SXR

- [314] A. Appleton. The soft X-ray emission spectra of metals and alloys. *Contemporary Physics*, 6(1):50–67, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Parry:1964:EST

- [315] L. G. Parry. Elementary science teaching in New South Wales. *Contemporary Physics*, 6(1):68–72, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Keohane:1964:ERR

- [316] K. W. Keohane. Essay review: *Reports on progress in physics, vol. XXVII, 1964*. *Contemporary Physics*, 6(1):73–75, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Haworth:1964:RPP

- [317] C. W. Haworth. Reports on progress in physics, vol. XXVI, 1963. *Contemporary Physics*, 6(1):75–76, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1964:BRe

- [318] Anonymous. Book reviews. *Contemporary Physics*, 6(1):77–80, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Frisch:1964:NNR

- [319] O. R. Frisch. Nuclei and nuclear reactions. *Contemporary Physics*, 6(2):81–93, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Postnikov:1964:FM

- [320] S. N. Postnikov. The friction of metals. *Contemporary Physics*, 6(2):94–111, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tabor:1964:LSP

- [321] David Tabor. Large-scale properties of matter. *Contemporary Physics*, 6(2):112–128, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peierls:1964:DQT

- [322] R. E. Peierls. The development of quantum theory. Part I. Formulation and interpretation. *Contemporary Physics*, 6(2):129–139, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Arndt:1964:AL

- [323] U. W. Arndt. Automation in the laboratory. *Contemporary Physics*, 6(2):140–146, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cockcroft:1964:RGS

- [324] Sir John Cockcroft. The role of government in scientific research and development. *Contemporary Physics*, 6(2):147–151, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Heavens:1964:QE

- [325] O. S. Heavens. Quantum electronics. *Contemporary Physics*, 6(2):152–154, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Frisch:1964:BRI

- [326] O. R. Frisch. Book review: *An introduction to the theory of relativity*, by A. V. Rosser. *Contemporary Physics*, 6(2):155–156, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1964:BRf

- [327] Anonymous. Book reviews. *Contemporary Physics*, 6(2):157–160, 1964. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bragg:1965:HXR

- [328] Sir Lawrence Bragg. The history of X-ray analysis. *Contemporary Physics*, 6(3):161–171, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Massey:1965:STeA

- [329] Sir Harrie Massey. Space travel and exploration. *Contemporary Physics*, 6(3):172–191, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peierls:1965:DQT

- [330] R. E. Peierls. The development of quantum theory. *Contemporary Physics*, 6(3):192–205, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hartley:1965:SWS

- [331] Sir Harold Hartley. The scientific work of Sir Humphry Davy. *Contemporary Physics*, 6(3):206–216, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mendoza:1965:W

- [332] E. Mendoza. Waves. *Contemporary Physics*, 6(3):217–224, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tye:1965:TCR

- [333] R. P. Tye. Thermal conductivity: Recent developments. *Contemporary Physics*, 6(3):225–229, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1965:RRR

- [334] V. T. Saunders. Radio research: A report on the 1964 open days at the radio research station, Ditton Park, Slough. *Contemporary Physics*, 6(3):230–236, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lenihan:1965:CR

- [335] J. M. A. Lenihan. Contemporary reading. *Contemporary Physics*, 6(3):237–239, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1965:BRa

- [336] Anonymous. Book reviews. *Contemporary Physics*, 6(3):240, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Massey:1965:STEb

- [337] Sir Harrie Massey. Space travel and exploration V. Lunar and planetary probes — meteorology and communications — geodesy and navigation. *Contemporary Physics*, 6(4):241–260, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lee:1965:NIC

- [338] E. W. Lee. Nottingham 1964. The international conference on magnetism. *Contemporary Physics*, 6(4):261–273, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Egelstaff:1965:STMa

- [339] P. A. Egelstaff and P. Schofield. The structure and thermal motion of simple liquids — I. *Contemporary Physics*, 6(4):274–284, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lawrence:1965:GUI

- [340] A. W. Lawrence. Gyroscopes used in inertial navigation. *Contemporary Physics*, 6(4):285–298, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harlow:1965:ASE

- [341] D. W. Harlow. The association for science education annual meeting. *Contemporary Physics*, 6(4):299–302, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1965:NCC

- [342] Anonymous. A new concept in courses for teachers of science. *Contemporary Physics*, 6(4):303, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1965:BRb

- [343] Anonymous. Book reviews. *Contemporary Physics*, 6(4):304–320, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Massey:1965:STEc

- [344] Sir Harrie Massey. Space travel and exploration. *Contemporary Physics*, 6(5):321–337, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

TerHaar:1965:OCR

- [345] D. Ter Haar. On the origin of cosmic rays. *Contemporary Physics*, 6(5):338–348, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Morley:1965:CGG

- [346] J. G. Morley. Crystal growth in glass. *Contemporary Physics*, 6(5):349–364, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tucker:1965:RPP

- [347] J. W. Tucker. Relaxation processes in paramagnetic crystals. *Contemporary Physics*, 6(5):365–380, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1965:RTS

- [348] V. T. Saunders. Road traffic and safety. *Contemporary Physics*, 6(5):381–384, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1965:BR

- [349] V. T. Saunders. Building research. *Contemporary Physics*, 6(5):385–389, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1965:SER

- [350] V. T. Saunders. Some exhibits at the Royal Society conversazione, 1964. *Contemporary Physics*, 6(5):390–395, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1965:BRc

- [351] Anonymous. Book reviews. *Contemporary Physics*, 6(5):396–400, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Palmer:1965:HRS

- [352] H. P. Palmer. High resolution studies in radio astronomy. *Contemporary Physics*, 6(6):401–420, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Frost:1965:ARF

- [353] Albert D. Frost. Astronomy at radio frequencies. *Contemporary Physics*, 6(6):421–435, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kibble:1965:EPS

- [354] T. W. B. Kibble. Elementary particle symmetries. *Contemporary Physics*, 6(6):436–452, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Egelstaff:1965:STMb

- [355] P. A. Egelstaff and P. Schofield. Structure and thermal motion of simple liquids–II. *Contemporary Physics*, 6(6):453–464, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

TerHaar:1965:WP

- [356] D. Ter Haar. Wolfgang Pauli 1900–1958. *Contemporary Physics*, 6(6):465–471, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1965:BRd

- [357] Anonymous. Book reviews. *Contemporary Physics*, 6(6):472–480, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1965:OCS

- [358] Anonymous. The organization of civil science in the United Kingdom. *Contemporary Physics*, 7(1):1–12, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ingram:1965:NMRa

- [359] D. J. E. Ingram. Nuclear magnetic resonance (part i). *Contemporary Physics*, 7(1):13–28, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Feather:1965:PBNa

- [360] N. Feather. The physical basis of Newtonian mechanics (Part I). *Contemporary Physics*, 7(1):29–44, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Frisch:1965:TPL

- [361] O. R. Frisch. Take a photon . . . *Contemporary Physics*, 7(1):45–53, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wilkinson:1965:NST

- [362] W. J. Wilkinson. The new science teaching as seen in terms of educational and psychological theory. *Contemporary Physics*, 7(1):54–56, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chalmers:1965:LSI

- [363] J. Alan Chalmers. A logical sequence of ideas in electromagnetism. *Contemporary Physics*, 7(1):57–58, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1965:BPN

- [364] V. T. Saunders. Basic physics at the national physical laboratory. *Contemporary Physics*, 7(1):59–65, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1965:NPL

- [365] V. T. Saunders. At the national physical laboratory open days, 19th and 20th may, 1965. *Contemporary Physics*, 7(1):66–69, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blin-Stoyle:1965:CIP

- [366] R. J. Blin-Stoyle. Congrès international de physique nucléaire (Paris). July 1964. volumes I and II. *Contemporary Physics*, 7(1):70–72, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1965:BRe

- [367] Anonymous. Book reviews. *Contemporary Physics*, 7(1):73–80, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Grassie:1965:IBD

- [368] A. D. C. Grassie, J. E. Spice, and A. Gerrard. Introducing the Boltzmann distribution. *Contemporary Physics*, 7(2):81–102, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ingram:1965:NMRb

- [369] D. J. E. Ingram. Nuclear magnetic resonance (part II). *Contemporary Physics*, 7(2):103–121, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Feather:1965:PNb

- [370] N. Feather. The physical basis of Newtonian mechanics. Part II. *Contemporary Physics*, 7(2):122–134, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rose-Innes:1965:NS

- [371] A. C. Rose-Innes. The new superconductors. *Contemporary Physics*, 7(2):135–151, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Brown:1965:PSS

- [372] R. Brown and D. L. Gardiner. Physics at school. A small-scale investigation. *Contemporary Physics*, 7(2):152–157, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1965:BRf

- [373] Anonymous. Book reviews. *Contemporary Physics*, 7(2):157–160, 1965. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Halligey:1966:EME

- [374] P. Halligey. The evolution of MKS electrical units: Effects on the teaching of electricity. *Contemporary Physics*, 7(3):161–173, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Austin:1966:SUV

- [375] I. G. Austin. Solids under very high pressure. *Contemporary Physics*, 7(3):174–191, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1966:EPT

- [376] G. A. Saunders. The electron pair theory of superconductivity. *Contemporary Physics*, 7(3):192–209, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bolton:1966:TP

- [377] W. Bolton. Teaching photoelectricity. *Contemporary Physics*, 7(3):210–216, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Powell:1966:MTM

- [378] R. F. Powell. Modern techniques for the measurement of the thermal conductivity of metals. *Contemporary Physics*, 7(3):217–227, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1966:RPP

- [379] Anonymous. Reports on progress in physics, vol. XXVIII, 1965. *Contemporary Physics*, 7(3):228–229, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1966:CPL

- [380] Anonymous. The collected papers of Lord Rutherford of Nelson. Vol. III — The Cavendish Laboratory. *Contemporary Physics*, 7(3):230–231, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1966:CS

- [381] Anonymous. The crystalline state. *Contemporary Physics*, 7(3):232–233, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Weinstock:1966:IBD

- [382] Robert Weinstock. On introducing the Boltzmann distribution. *Contemporary Physics*, 7(3):234, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1966:BRa

- [383] Anonymous. Book reviews. *Contemporary Physics*, 7(3):235–240, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hoyaux:1966:PPA

- [384] M. F. Hoyaux. Plasma physics and its applications. *Contemporary Physics*, 7(4):241–260, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Odier:1966:SPM

- [385] Marc Odier. A simple photographic method for studying motion. *Contemporary Physics*, 7(4):261–277, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lomer:1966:NSSa

- [386] W. M. Lomer. Neutron spectroscopy of solids — Part I. *Contemporary Physics*, 7(4):278–293, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Feather:1966:FIR

- [387] N. Feather. ‘Factors of ignorance’ and the rationalized M.K.S.A. system of units. *Contemporary Physics*, 7(4):294–303, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bates:1966:SM

- [388] L. F. Bates. The study of magnetism. *Contemporary Physics*, 7(4):304–307, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Oldham:1966:EPP

- [389] F. Oldham. The education of professional physicists. *Contemporary Physics*, 7(4):307–309, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1966:MSU

- [390] Anonymous. The metric system and S.I. units. *Contemporary Physics*, 7(4):309–312, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Noakes:1966:ARA

- [391] G. R. Noakes. Annual report of the Advisory Council on Scientific Policy 1963–64. *Contemporary Physics*, 7(4):313, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1966:BRb

- [392] Anonymous. Book reviews. *Contemporary Physics*, 7(4):314–320, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rawlins:1966:PPF

- [393] F. I. G. Rawlins. The place of physics in the fine arts. *Contemporary Physics*, 7(5):321–330, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mendelssohn:1966:DR1

- [394] K. Mendelssohn. Dewar at the Royal Institution. *Contemporary Physics*, 7(5):331–342, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Essen:1966:MTF

- [395] L. Essen. The measurement of time and frequency. *Contemporary Physics*, 7(5):343–349, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vigoureux:1966:EOS

- [396] P. Vigoureux. Errors of observation and systematic errors. *Contemporary Physics*, 7(5):350–357, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bragg:1966:RIL

- [397] Sir Lawrence Bragg. The Royal Institution lectures in science for members of the administrative class of the civil service. *Contemporary Physics*, 7(5):358–361, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Oatley:1966:MEO

- [398] C. W. Oatley. Mechanical and electrical oscillations; transient and alternating electric currents. *Contemporary Physics*, 7(5):362–391, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Macfadyen:1966:PMS

- [399] K. A. Macfadyen. The physics of musical sounds. *Contemporary Physics*, 7(5):392–394, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1966:BRc

- [400] Anonymous. Book reviews. *Contemporary Physics*, 7(5):395–400, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lomer:1966:NSSb

- [401] W. M. Lomer. Neutron spectroscopy of solids — part II. *Contemporary Physics*, 7(6):401–418, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sandars:1966:MC

- [402] P. G. H. Sandars. Magnetic charge. *Contemporary Physics*, 7(6):419–429, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hall:1966:MFI

- [403] S. H. Hall. The magnetic field of the ionospheric dynamo. *Contemporary Physics*, 7(6):430–439, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vigoureux:1966:RP

- [404] P. Vigoureux. Radiation pressure. *Contemporary Physics*, 7(6):440–446, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

TerHaar:1966:AIA

- [405] D. Ter Haar. Adiabatic invariance and adiabatic invariants. *Contemporary Physics*, 7(6):447–458, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1966:NPL

- [406] V. T. Saunders. At the national physical laboratory open days, 1966. *Contemporary Physics*, 7(6):459–467, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chalmers:1966:DBC

- [407] J. Alan Chalmers. The difference between a current-carrying coil and a permanent magnet. *Contemporary Physics*, 7(6):468–469, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1966:BRd

- [408] Anonymous. Book reviews. *Contemporary Physics*, 7(6):470–472, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cottrell:1967:SMF

- [409] A. H. Cottrell. Strength of materials: A foreword introducing the contemporary physics series. *Contemporary Physics*, 8(1):1–3, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Alexander:1967:SER

- [410] W. O. Alexander. The simple economics of rivalries between materials. *Contemporary Physics*, 8(1):5–19, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kurti:1967:SC

- [411] N. Kurti. Spins and cryogenics. *Contemporary Physics*, 8(1):21–40, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vick:1967:EAE

- [412] F. A. Vick, O.B.E. Explorations in atomic energy. *Contemporary Physics*, 8(1):41–61, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:1967:MOT

- [413] B. J. Mason, D.Sc., F.R.S. The meteorological office — today and tomorrow. *Contemporary Physics*, 8(1):63–85, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hutchinson:1967:AME

- [414] W. C. A. Hutchinson. Angular momentum — an experiment to illustrate its conservation. *Contemporary Physics*, 8(1):87–93, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nash:1967:PNI

- [415] W. F. Nash. Proceedings of the ninth international conference on cosmic rays. *Contemporary Physics*, 8(1):95–100, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barnes:1967:HEP

- [416] K. J. Barnes. High energy physics and elementary particles. *Contemporary Physics*, 8(1):101–103, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1967:RPP

- [417] Anonymous. Reports on progress in physics, vol. XXIX. *Contemporary Physics*, 8(1):105–107, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1967:BRa

- [418] Anonymous. Book reviews. *Contemporary Physics*, 8(1):108–112, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1967:Ea

- [419] Anonymous. Editorial. *Contemporary Physics*, 8(1):113, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Biggs:1967:PME

- [420] W. D. Biggs. Properties of materials: The engineering designer's point of view. *Contemporary Physics*, 8(2):113–126, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Littler:1967:EH

- [421] T. S. Littler. The ear and hearing. *Contemporary Physics*, 8(2):127–151, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ennos:1967:HA

- [422] A. E. Ennos. Holography and its applications. *Contemporary Physics*, 8(2):153–170, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cartwright:1967:MSW

- [423] D. E. Cartwright. Modern studies of wind-generated ocean waves. *Contemporary Physics*, 8(2):171–183, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Trevena:1967:BLU

- [424] D. H. Trevena. The behaviour of liquids under tension. *Contemporary Physics*, 8(2):185–195, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mansfield:1967:AAD

- [425] R. Mansfield. Application of the Argand diagram to magneto-conductivity effects. *Contemporary Physics*, 8(2):197–202, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1967:BRb

- [426] Anonymous. Book reviews. *Contemporary Physics*, 8(2):203–212, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1967:Eb

- [427] Anonymous. Erratum. *Contemporary Physics*, 8(2):212, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Broom:1967:CFE

- [428] T. Broom. Creep and fatigue of engineering materials. *Contemporary Physics*, 8(3):213–233, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Parkinson:1967:HMF

- [429] D. H. Parkinson. High magnetic fields. *Contemporary Physics*, 8(3):235–249, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cook:1967:ADA

- [430] A. H. Cook. The absolute determination of the acceleration due to gravity. *Contemporary Physics*, 8(3):251–266, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hinde:1967:M

- [431] B. J. Hinde and D. I. Gaunt. Microseisms. *Contemporary Physics*, 8(3):267–283, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Malinowski:1967:PPH

- [432] J. Malinowski. Properties of photoexcited holes in silver bromide crystals. *Contemporary Physics*, 8(3):285–301, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1967:BRc

- [433] Anonymous. Book reviews. *Contemporary Physics*, 8(3):303–312, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kelly:1967:HSM

- [434] A. Kelly. High strength materials. *Contemporary Physics*, 8(4):313–329, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kopal:1967:REM

- [435] Zdeněk Kopal. Recent explorations of the Moon by spacecraft. *Contemporary Physics*, 8(4):331–356, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Longair:1967:QSR

- [436] M. S. Longair. Quasi-stellar radio sources. *Contemporary Physics*, 8(4):357–372, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Merrison:1967:NGE

- [437] A. W. Merrison. NINA — the 4 GeV electron synchrotron of the Science Research Council. *Contemporary Physics*, 8(4):373–384, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mee:1967:RMM

- [438] C. D. Mee. Recent measurements of the magneto-optical properties of some garnets. *Contemporary Physics*, 8(4):385–400, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tredgold:1967:SCC

- [439] R. H. Tredgold. Space-charge conduction. *Contemporary Physics*, 8(4):401–411, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bates:1967:ERE

- [440] L. F. Bates. Essay review: An essay in exposition. *Magnetism in Solids*, by D. H. Martin. *Contemporary Physics*, 8(4):413–415, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lee:1967:PE

- [441] E. W. Lee. The physics exhibition 1967. *Contemporary Physics*, 8(4):417–420, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pike:1967:FPS

- [442] E. R. Pike. The French Physical Society's 1967 exhibition. *Contemporary Physics*, 8(4):420–425, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1967:BRd

- [443] Anonymous. Book reviews. *Contemporary Physics*, 8(4):427–432, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wells:1967:FED

- [444] A. A. Wells. Fracture in engineering design. *Contemporary Physics*, 8(5):433–445, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hall:1967:MMF

- [445] S. H. Hall. Measuring magnetic fields in space. *Contemporary Physics*, 8(5):447–458, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cracknell:1967:MG

- [446] Arthur P. Cracknell. Magnetic groups. *Contemporary Physics*, 8(5):459–473, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Popplewell:1967:STC

- [447] R. J. L. Popplewell. Some topics of current interest in infrared spectroscopy. *Contemporary Physics*, 8(5):475–487, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kaischew:1967:SPE

- [448] R. Kaischew and E. Budevski. Surface processes in electrocrystallization. *Contemporary Physics*, 8(5):489–516, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1967:BRe

- [449] Anonymous. Book reviews. *Contemporary Physics*, 8(5):517–528, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gibbs:1967:EPM

- [450] H. G. Gibbs and D. W. Saunders. Engineering with polymeric materials. *Contemporary Physics*, 8(6):529–560, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chamberlain:1967:RAV

- [451] A. C. Chamberlain. Radioactive aerosols and vapours. *Contemporary Physics*, 8(6):561–581, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cusack:1967:PLM

- [452] N. E. Cusack. The physics of liquid metals. *Contemporary Physics*, 8(6): 583–606, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dearnaley:1967:SSR

- [453] G. Dearnaley. Solid-state radiation detectors. *Contemporary Physics*, 8(6):607–626, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Greenwood:1967:BR

- [454] D. A. Greenwood. Book reviews. *Contemporary Physics*, 8(6):627–628, 1967. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Thomson:1968:EHE

- [455] Sir George Thomson. The early history of electron diffraction. *Contemporary Physics*, 9(1):1–15, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Thirlaway:1968:DUE

- [456] H. I. S. Thirlaway. Diagnosing underground explosions and earthquakes. *Contemporary Physics*, 9(1):17–31, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McGill:1968:ASR

- [457] N. C. McGill. The apparent shape of rapidly moving objects in special relativity. *Contemporary Physics*, 9(1):33–48, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stedman:1968:GF

- [458] G. E. Stedman. Green's functions. *Contemporary Physics*, 9(1):49–69, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Crossland:1968:FEW

- [459] B. Crossland and A. S. Bahrani. Fundamentals, of explosive welding. *Contemporary Physics*, 9(1):71–87, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1968:BRa

- [460] Anonymous. Book reviews. *Contemporary Physics*, 9(1):89–94, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1968:BRb

- [461] Anonymous. Books received. *Contemporary Physics*, 9(1):95, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Betts:1968:HIR

- [462] David S. Betts. Helium isotope refrigeration. *Contemporary Physics*, 9(2):97–114, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hopkins:1968:UHV

- [463] B. J. Hopkins. Ultra-high vacua. *Contemporary Physics*, 9(2):115–135, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bates:1968:ADI

- [464] L. F. Bates. Anisotropy, defects, impurities and ripple a short report on the international congress on magnetism, 1967. *Contemporary Physics*, 9(2):137–143, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

VanDorn:1968:T

- [465] W. G. Van Dorn. Tsunamis. *Contemporary Physics*, 9(2):145–164, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hoyaux:1968:PPS

- [466] M. F. Hoyaux. Plasma phenomena and the solid state. *Contemporary Physics*, 9(2):165–196, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1968:BRc

- [467] Anonymous. Book reviews. *Contemporary Physics*, 9(2):197–202, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barrell:1968:SHM

- [468] H. Barrell. A short history of measurement standards at the national physical laboratory. *Contemporary Physics*, 9(3):205–226, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cook:1968:NDC

- [469] A. H. Cook. A new determination of the constant of gravitation. *Contemporary Physics*, 9(3):227–238, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:1968:OAM

- [470] S. F. Mason. Optical activity and molecular dissymmetry. *Contemporary Physics*, 9(3):239–256, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Palmer:1968:DG

- [471] E. W. Palmer and J. F. Verrill. Diffraction gratings. *Contemporary Physics*, 9(3):257–276, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bewilogua:1968:CRG

- [472] Ludwig Bewilogua and Christel Gladun. Condensed rare gases. *Contemporary Physics*, 9(3):277–300, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1968:BRd

- [473] Anonymous. Book reviews. *Contemporary Physics*, 9(3):301–308, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1968:BRe

- [474] Anonymous. Books received. *Contemporary Physics*, 9(3):309, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Littler:1968:PAP

- [475] T. S. Littler. The physical and analytical properties of the ear. *Contemporary Physics*, 9(4):311–332, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cosslett:1968:HVE

- [476] V. E. Cosslett. The high-voltage electron microscope. *Contemporary Physics*, 9(4):333–354, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ginzburg:1968:PHT

- [477] V. L. Ginzburg. The problem of high temperature superconductivity. *Contemporary Physics*, 9(4):355–374, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Thompson:1968:CPC

- [478] M. W. Thompson. The channelling of particles in crystals. *Contemporary Physics*, 9(4):375–398, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Baker:1968:APC

- [479] John R. Baker. American physics curriculum projects. *Contemporary Physics*, 9(4):399–415, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1968:BRf

- [480] Anonymous. Book reviews. *Contemporary Physics*, 9(4):417–421, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1968:BRg

- [481] Anonymous. Books received. *Contemporary Physics*, 9(4):422, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chesterman:1968:GEO

- [482] W. Deryck Chesterman. Geophysical exploration of the ocean floor using acoustic methods. *Contemporary Physics*, 9(5):423–446, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Watkins:1968:SM

- [483] M. T. Watkins. The shaping of metals. *Contemporary Physics*, 9(5):447–474, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Leaver:1968:TFF

- [484] K. D. Leaver. Thin ferromagnetic films. *Contemporary Physics*, 9(5):475–499, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lee:1968:PE

- [485] E. W. Lee. The physics exhibition, 1968. *Contemporary Physics*, 9(5):501–504, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tricker:1968:EM

- [486] R. A. R. Tricker. Electricity and matter. *Contemporary Physics*, 9(5):505–508, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Buchdahl:1968:NP

- [487] Gerd Buchdahl. The nature of physics. *Contemporary Physics*, 9(5): 509–510, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1968:BRh

- [488] Anonymous. Book reviews. *Contemporary Physics*, 9(5):511–518, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1968:BRi

- [489] Anonymous. Book received. *Contemporary Physics*, 9(5):519, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

OConnor:1968:ME

- [490] D. A. O'Connor. The Mössbauer effect. *Contemporary Physics*, 9(6): 521–535, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Trevena:1968:EL

- [491] D. H. Trevena. Elastic liquids. *Contemporary Physics*, 9(6):537–548, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:1968:MTS

- [492] A. W. B. Taylor. The microscopic theory of superconductivity. *Contemporary Physics*, 9(6):549–564, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:1968:PSF

- [493] D. Taylor Smith. Physics and sea-floor minerals. *Contemporary Physics*, 9(6):565–585, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Skinner:1968:EP

- [494] N. J. Skinner. The electrojet phenomenon. *Contemporary Physics*, 9(6): 587–602, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fellgett:1968:FIR

- [495] P. B. Fellgett. Far infra-red spectrology. *Contemporary Physics*, 9(6): 603–604, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1968:BRj

- [496] Anonymous. Book reviews. *Contemporary Physics*, 9(6):605–614, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1968:BRk

- [497] Anonymous. Book received. *Contemporary Physics*, 9(6):615, 1968. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Adams:1969:PTN

- [498] J. B. Adams. Progress towards a nuclear fusion reactor. *Contemporary Physics*, 10(1):1–20, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Niewodniczanski:1969:INP

- [499] H. Niewodniczański. The Institute of Nuclear Physics, Cracow, and its recent investigations in nuclear reactions. *Contemporary Physics*, 10(1):21–47, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kumar:1969:CLM

- [500] Dr. Rajendra Kumar. Clusters in liquid metals. *Contemporary Physics*, 10(1):49–58, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Walton:1969:KLS

- [501] Alan J. Walton and Alan G. Woodruff. A kinetic liquid-simulator. *Contemporary Physics*, 10(1):59–70, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nixon:1969:SEM

- [502] W. C. Nixon. Scanning electron microscopy. *Contemporary Physics*, 10(1):71–96, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1969:BRa

- [503] Anonymous. Book reviews. *Contemporary Physics*, 10(1):97–102, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1969:BRb

- [504] Anonymous. Books received. *Contemporary Physics*, 10(1):103–104, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Davidge:1969:MPC

- [505] R. W. Davidge. Mechanical properties of ceramic materials. *Contemporary Physics*, 10(2):105–124, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mott:1969:CSN

- [506] N. F. Mott. Conduction and switching in non-crystalline materials. *Contemporary Physics*, 10(2):125–138, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Petley:1969:JE

- [507] B. W. Petley. The Josephson effects. *Contemporary Physics*, 10(2):139–158, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:1969:MU

- [508] R. G. F. Taylor and A. J. Pointon. Microwave ultrasonics. *Contemporary Physics*, 10(2):159–178, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fremlin:1969:RLP

- [509] J. H. Fremlin. Relativity and the lever problem. *Contemporary Physics*, 10(2):179–180, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Walton:1969:APG

- [510] Alan J. Walton. Archimedes' principle in gases. *Contemporary Physics*, 10(2):181–186, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tricker:1969:CER

- [511] R. A. R. Tricker. Classical electromagnetism and relativity. *Contemporary Physics*, 10(2):187–189, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1969:BRc

- [512] Anonymous. Book reviews. *Contemporary Physics*, 10(2):191–203, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1969:BRd

- [513] Anonymous. Books received. *Contemporary Physics*, 10(2):204, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Parsons:1969:ESC

- [514] Roger Parsons. Electrolysis and simple cells. *Contemporary Physics*, 10(3):205–220, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hill:1969:ECD

- [515] R. M. Hill. Electrical conduction in discontinuous metal films. *Contemporary Physics*, 10(3):221–240, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Betts:1969:QF

- [516] David S. Betts. Quantum fluids. *Contemporary Physics*, 10(3):241–262, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Davies:1969:FTA

- [517] L. Davies and J. L. Wilson. Flight through the air at very high speeds. *Contemporary Physics*, 10(3):263–276, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Large:1969:IINa

- [518] L. N. Large. Ion implantation: A new method of doping semiconductors — I. *Contemporary Physics*, 10(3):277–298, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1969:BRe

- [519] Anonymous. Book reviews. *Contemporary Physics*, 10(3):299–302, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1969:BRf

- [520] Anonymous. Books received. *Contemporary Physics*, 10(3):303–304, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:1969:CPP

- [521] B. L. Smith. Critical point phenomena. *Contemporary Physics*, 10(4):305–329, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bright:1969:MEG

- [522] A. W. Bright and B. Makin. Modern electrostatic generators. *Contemporary Physics*, 10(4):331–353, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Brandt:1969:SHP

- [523] N. B. Brandt and N. I. Ginzburg. Superconductivity at high pressures. *Contemporary Physics*, 10(4):355–386, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mayne:1969:PEB

- [524] K. I. Mayne. Polarized electron beams. *Contemporary Physics*, 10(4):387–412, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ferrier:1969:ZPR

- [525] W. G. Ferrier. The zone plate and its role in holography. *Contemporary Physics*, 10(4):413–436, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Melville:1969:PE

- [526] D. Melville. The physics exhibition, 1969. *Contemporary Physics*, 10(4):437–442, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:1969:BR

- [527] B. L. Smith. Book reviews. *Contemporary Physics*, 10(4):443–447, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1969:BRg

- [528] Anonymous. Books received. *Contemporary Physics*, 10(4):448, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Scott:1969:PMS

- [529] Ronald F. Scott. The physics and mechanics of soil. *Contemporary Physics*, 10(5):449–472, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Turnbull:1969:UWC

- [530] David Turnbull. Under what conditions can a glass be formed? *Contemporary Physics*, 10(5):473–488, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Walton:1969:BST

- [531] Alan J. Walton. Bulk and surface transport in liquids — an introductory treatment. *Contemporary Physics*, 10(5):489–504, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Large:1969:IINb

- [532] L. N. Large. Ion implantation: A new method of doping semiconductors — II. *Contemporary Physics*, 10(5):505–531, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1969:BRh

- [533] Anonymous. Book reviews. *Contemporary Physics*, 10(5):533–534, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1969:BRi

- [534] Anonymous. Books received. *Contemporary Physics*, 10(5):535–536, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Khaikin:1969:MSL

- [535] M. S. Khaikin and M. Kumar. Magnetic surface levels. *Contemporary Physics*, 10(6):537–557, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Webster:1969:HA

- [536] Peter J. Webster. Heusler alloys. *Contemporary Physics*, 10(6):559–577, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Powell:1969:TCR

- [537] R. W. Powell. Thermal conductivity: A review of some important developments. *Contemporary Physics*, 10(6):579–600, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Trevena:1969:UWL

- [538] D. H. Trevena. Ultrasonic waves in liquids. *Contemporary Physics*, 10(6):601–614, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Odier:1969:NTM

- [539] Marc Odier. Neoncinigraphy in the teaching of mechanics. *Contemporary Physics*, 10(6):615–626, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stedman:1969:BR

- [540] G. E. Stedman. Book reviews. *Contemporary Physics*, 10(6):627–634, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1969:BRj

- [541] Anonymous. Books received. *Contemporary Physics*, 10(6):635–636, 1969. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pamplin:1970:NDC

- [542] Brian R. Pamplin. Negative differential conductivity effects in semiconductors. *Contemporary Physics*, 11(1):1–19, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Simmons:1970:AAS

- [543] J. G. Simmons. Applications of amorphous semiconductors in electronic devices. *Contemporary Physics*, 11(1):21–41, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Meredith:1970:FP

- [544] R. Meredith. Fibrous polymers. *Contemporary Physics*, 11(1):43–58, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Strnad:1970:NTN

- [545] J. Strnad. A note on the Trouton–Noble experiment. *Contemporary Physics*, 11(1):59–64, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Craik:1970:MDS

- [546] D. J. Craik. The magnetic domain structures of small crystals. *Contemporary Physics*, 11(1):65–97, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Loudon:1970:BR

- [547] R. Loudon. Book reviews. *Contemporary Physics*, 11(1):99–103, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1970:BRa

- [548] Anonymous. Books received. *Contemporary Physics*, 11(1):104, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bates:1970:RI

- [549] D. R. Bates. Reactions in the ionosphere. *Contemporary Physics*, 11(2):105–124, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:1970:IGC

- [550] B. L. Smith. Inert gas crystals. *Contemporary Physics*, 11(2):125–149, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Markland:1970:F

- [551] E. Markland. Fluidics. *Contemporary Physics*, 11(2):151–172, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Morgan:1970:CPT

- [552] D. Vernon Morgan and Dirck Van Vliet. Charged particle tracks in solids. *Contemporary Physics*, 11(2):173–193, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Edwards:1970:RTX

- [553] S. J. Edwards. A review of the theories of X-ray satellite lines. *Contemporary Physics*, 11(2):195–200, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bates:1970:NDC

- [554] Professor L. F. Bates. A new departure in conference reports. Conference Booklet No. 1. *High Magnetic Fields and their Applications: Nottingham 1969*. (The Institute of Physics and The Physical Society, 1969.) [Pp. vi + 168] 441, 5s.Od. *Contemporary Physics*, 11(2):201–203, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Popplewell:1970:EVS

- [555] Richard J. L. Popplewell. *Electronic and vibrational spectra of molecules*. Edited by V. Skobel'tsyn. (Consultants Bureau (Plenum Press), 1968.)

[Pp. vii + 217.] \$22.50. Scope: Library. Level: Specialist/postgraduate. *Contemporary Physics*, 11(2):205–207, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1970:BRb

- [556] Anonymous. Book received. *Contemporary Physics*, 11(2):208, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Southworth:1970:FIM

- [557] H. N. Southworth. Field-ion microscopy. *Contemporary Physics*, 11(3):209–226, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Owen:1970:SGPa

- [558] A. E. Owen. Semiconducting glasses part 1: Glass as an electronic conductor. *Contemporary Physics*, 11(3):227–255, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Owen:1970:SGPb

- [559] A. E. Owen. Semiconducting glasses part II: Properties and interpretation. *Contemporary Physics*, 11(3):257–286, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:1970:EMU

- [560] D. H. Smith. Electrical and magnetic units in the système international. *Contemporary Physics*, 11(3):287–300, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bates:1970:ISM

- [561] L. F. Bates. The introduction of SI in magnetism. *Contemporary Physics*, 11(3):301–306, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1970:BRc

- [562] Anonymous. Book reviews. *Contemporary Physics*, 11(3):307–310, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1970:BRd

- [563] Anonymous. Books received. *Contemporary Physics*, 11(3):311–312, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gee:1970:GSP

- [564] Geoffrey Gee. The glassy state in polymers. *Contemporary Physics*, 11(4):313–334, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Burhop:1970:EA

- [565] E. H. S. Burhop. Exotic atoms. *Contemporary Physics*, 11(4):335–358, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Byrne:1970:RFN

- [566] J. Byrne. The radioactivity of free neutrons. *Contemporary Physics*, 11(4):359–386, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gechele:1970:FPA

- [567] G. B. Gechele and F. Coccioli. Future polymer applications. *Contemporary Physics*, 11(4):387–402, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Melville:1970:PE

- [568] D. Melville. The physics exhibition, 1970. *Contemporary Physics*, 11(4):403–407, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1970:BRe

- [569] Anonymous. Book reviews. *Contemporary Physics*, 11(4):409–422, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:1970:REM

- [570] K. N. R. Taylor. The rare-earth metals. *Contemporary Physics*, 11(5):423–454, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Austin:1970:MS

- [571] I. G. Austin and D. Elwell. Magnetic semiconductors. *Contemporary Physics*, 11(5):455–476, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:1970:RSO

- [572] B. J. Mason. The role of satellites in observing and forecasting the weather. *Contemporary Physics*, 11(5):477–496, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Joep:1970:AXR

- [573] J. A. Joep. The absorption of X-rays. *Contemporary Physics*, 11(5):497–508, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Atkinson:1970:DOI

- [574] P. A. Atkinson and S. J. Edwards. Doppler observations of ionospheric disturbances. *Contemporary Physics*, 11(5):509–515, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1970:BRf

- [575] Anonymous. Book reviews. *Contemporary Physics*, 11(5):517–520, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1970:BRg

- [576] Anonymous. Books received. *Contemporary Physics*, 11(5):521–522, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tite:1970:INS

- [577] M. S. Tite. The impact of the natural sciences on archaeology. *Contemporary Physics*, 11(6):523–539, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gilbody:1970:ACP

- [578] H. B. Gilbody. Atomic collision phenomena in gases—come modern aspects. *Contemporary Physics*, 11(6):541–558, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Winterton:1970:VWF

- [579] R. H. S. Winterton. Van der Waals forces. *Contemporary Physics*, 11(6):559–574, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lawson:1970:SAR

- [580] J. D. Lawson. Some attributes of real and virtual photons. *Contemporary Physics*, 11(6):575–580, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wright:1970:ED

- [581] P. G. Wright. Entropy and disorder. *Contemporary Physics*, 11(6):581–588, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cade:1970:TIF

- [582] C. Maxwell Cade and Boris V. Barlow. Thermography: Imaging in the far infrared. *Contemporary Physics*, 11(6):589–608, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lipson:1970:NRP

- [583] H. Lipson. Notes on recent progress. X-ray and electron crystallography. *Contemporary Physics*, 11(6):609–612, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bates:1970:MGP

- [584] L. F. Bates. *Magnetism as a growth-point subject. An essay review of magnetism and metallurgy*. Edited by A. Berkowitz and Kneller (Academic Press, 1970). *Contemporary Physics*, 11(6):613–618, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1970:BRh

- [585] Anonymous. Book reviews. *Contemporary Physics*, 11(6):619–624, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1970:BRi

- [586] Anonymous. Books received. *Contemporary Physics*, 11(6):625, 1970. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Field:1971:BFS

- [587] J. E. Field. Brittle fracture: Its study and application. *Contemporary Physics*, 12(1):1–31, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Treloar:1971:RE

- [588] L. R. G. Treloar. Rubber elasticity. *Contemporary Physics*, 12(1):33–56, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Knott:1971:PD

- [589] R. G. A. Knott. Plasma diagnostics. *Contemporary Physics*, 12(1):57–74, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Crawford:1971:PVV

- [590] B. H. Crawford and H. Ikeda. The physics of vision in vertebrates. *Contemporary Physics*, 12(1):75–97, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1971:BRa

- [591] Anonymous. Book reviews. *Contemporary Physics*, 12(1):99–103, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1971:BRb

- [592] Anonymous. Books received. *Contemporary Physics*, 12(1):104, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:1971:AIG

- [593] B. L. Smith. Applications of the inert gases. *Contemporary Physics*, 12(2):105–132, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hasted:1971:WP

- [594] J. B. Hasted. Water and ‘polywater’. *Contemporary Physics*, 12(2):133–152, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Betts:1971:HIQ

- [595] D. S. Betts. Helium isotope quantum fluid mixtures. *Contemporary Physics*, 12(2):153–178, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:1971:GL

- [596] E. A. Mason and P. G. Wright. Graham’s laws. *Contemporary Physics*, 12(2):179–186, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Strnad:1971:GIE

- [597] J. Strnad. The gravity-induced electric field. *Contemporary Physics*, 12(2):187–191, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1971:BRc

- [598] Anonymous. Books received. *Contemporary Physics*, 12(2):192, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1971:BRd

- [599] Anonymous. Book reviews. *Contemporary Physics*, 12(2):193–208, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:1971:SPH

- [600] T. L. Blundell, E. Dodson, G. Dodson, and M. Vijayan. The structure of a protein hormone, insulin. *Contemporary Physics*, 12(3):209–228, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ruddock:1971:PCV

- [601] K. H. Ruddock. The physics of colour vision. *Contemporary Physics*, 12(3):229–256, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hughes:1971:ESF

- [602] A. E. Hughes. Exploring solids with far infrared radiation. *Contemporary Physics*, 12(3):257–282, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Figgins:1971:ILS

- [603] R. Figgins. Inelastic light scattering in liquids: Brillouin scattering. *Contemporary Physics*, 12(3):283–297, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Beer:1971:PPA

- [604] Tom Beer. Particle precipitation at auroral heights: Ground-based observations. *Contemporary Physics*, 12(3):299–310, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Noakes:1971:BMP

- [605] G. R. Noakes. The Bragg Medal and Prize of the Institute of Physics and the Physical Society, 1971. *Contemporary Physics*, 12(3):311, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1971:BRe

- [606] Anonymous. Books received. *Contemporary Physics*, 12(3):312, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Meaden:1971:CES

- [607] G. T. Meaden. Conduction electron scattering and the resistance of the magnetic elements. *Contemporary Physics*, 12(4):313–337, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hoover:1971:STM

- [608] W. G. Hoover and M. Rossj. Statistical theories of melting. *Contemporary Physics*, 12(4):339–356, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Brown:1971:MAD

- [609] R. H. Brown. Measuring the angular diameters of stars. *Contemporary Physics*, 12(4):357–377, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Penston:1971:SF

- [610] M. V. Penston. Star formation. *Contemporary Physics*, 12(4):379–394, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Woolley:1971:SM

- [611] S. R. Woolley. Stellar movement. *Contemporary Physics*, 12(4):395–409, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1971:BRf

- [612] Anonymous. Book reviews. *Contemporary Physics*, 12(4):411–416, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1971:BRg

- [613] Anonymous. Books received. *Contemporary Physics*, 12(4):417, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barlow:1971:HBW

- [614] Boris V. Barlow. Hydrostatic bearings for the World's great telescopes. *Contemporary Physics*, 12(5):419–436, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

DeRosier:1971:RTD

- [615] David J. De Rosier. The reconstruction of three-dimensional images from electron micrographs. *Contemporary Physics*, 12(5):437–452, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Petley:1971:TQV

- [616] B. W. Petley. Towards a quantum voltage standard. *Contemporary Physics*, 12(5):453–470, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Adams:1971:CXR

- [617] D. J. Adams. Cosmic X-ray astronomy. *Contemporary Physics*, 12(5):471–493, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Catterall:1971:SMT

- [618] J. A. Catterall. Superconducting materials and their engineering applications. *Contemporary Physics*, 12(5):495–514, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Melville:1971:PE

- [619] D. Melville. The physics exhibition, 1971. *Contemporary Physics*, 12(5):515–520, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1971:BRh

- [620] Anonymous. Book reviews. *Contemporary Physics*, 12(5):521, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1971:BRi

- [621] Anonymous. Books received. *Contemporary Physics*, 12(5):522, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:1971:LLS

- [622] R. A. Smith. Lasers and light scattering. *Contemporary Physics*, 12(6):523–536, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Massey:1971:AAA

- [623] Sir Harrie Massey. Atom-atom and atom-ion collisions: I. Collisions between neutral atoms in which no excitation occurs. *Contemporary*

Physics, 12(6):537–558, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Crossland:1971:FW

- [624] B. Crossland. Friction welding. *Contemporary Physics*, 12(6):559–574, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lisgarten:1971:VPC

- [625] N. D. Lisgarten, J. R. Sambles, and L. M. Skinner. Vapour pressure over curved surfaces — the Kelvin equation. *Contemporary Physics*, 12(6):575–593, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Present:1971:NAI

- [626] R. D. Present. Non-additive interactions. *Contemporary Physics*, 12(6):595–602, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1971:BRj

- [627] Anonymous. Book reviews. *Contemporary Physics*, 12(6):603–613, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1971:BRk

- [628] Anonymous. Books received. *Contemporary Physics*, 12(6):614, 1971. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Finch:1972:SVS

- [629] J. T. Finch. The study of virus structures by X-ray diffraction. *Contemporary Physics*, 13(1):1–21, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Diamond:1972:SCD

- [630] R. Diamond. Some contemporary developments in the techniques of protein crystallography. *Contemporary Physics*, 13(1):23–43, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Baker:1972:DMA

- [631] J. M. Baker, E. R. Davies, and T. Rs. Reddy. Detailed mapping of atomic positions using electron nuclear double resonance (endor). *Contemporary Physics*, 13(1):45–59, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chechev:1972:FCC

- [632] V. P. Chechev and Ya M. Kramarovskiy. Are the fundamental constants constant? *Contemporary Physics*, 13(1):61–74, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kenyon:1972:BCF

- [633] I. R. Kenyon. Bubble chamber film analysis. *Contemporary Physics*, 13(1):75–104, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1972:BRa

- [634] Anonymous. Book reviews. *Contemporary Physics*, 13(1):105–111, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1972:BRb

- [635] Anonymous. Books received. *Contemporary Physics*, 13(1):112, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lee:1972:RPA

- [636] J. A. Lee and M. B. Waldron. Recent progress in actinide research. *Contemporary Physics*, 13(2):113–133, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Massey:1972:AAAa

- [637] Sir Harrie Massey. Atom-atom and atom-ion collisions: II. Collisions between atoms and ions in which no excitation occurs-symmetrical charge transfer. *Contemporary Physics*, 13(2):135–158, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Powell:1972:RDU

- [638] R. F. Powell. Recent developments in the use of the thermoelectric power of metals and alloys as a research tool. *Contemporary Physics*, 13(2):159–177, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chamberlain:1972:APP

- [639] A. C. Chamberlain and S. A. Penkett. Atmospheric pollution—present trends and future problems. *Contemporary Physics*, 13(2):179–198, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Christov:1972:ECT

- [640] S. G. Christov. Electron currents through barriers between two metals. *Contemporary Physics*, 13(2):199–222, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1972:BRc

- [641] Anonymous. Book reviews. *Contemporary Physics*, 13(2):223, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1972:BRd

- [642] Anonymous. Books received. *Contemporary Physics*, 13(2):224, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bates:1972:UES

- [643] B. Bates and C. D. McKeith. Ultraviolet emission from the stars. *Contemporary Physics*, 13(3):225–246, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Beer:1972:AWI

- [644] Tom Beer. Atmospheric waves and the ionosphere. *Contemporary Physics*, 13(3):247–271, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hawking:1972:GRT

- [645] S. W. Hawking. Gravitational radiation: The theoretical aspect. *Contemporary Physics*, 13(3):273–282, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Aplin:1972:GRE

- [646] Peter S. Aplin. Gravitational radiation experiments. *Contemporary Physics*, 13(3):283–293, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lenihan:1972:WBE

- [647] J. M. A. Lenihan. What is bio-engineering? *Contemporary Physics*, 13(3):295–309, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1972:SJC

- [648] Anonymous. Sir James Chadwick, C.H., LL.D., F.R.S.: 80th birthday. *Contemporary Physics*, 13(3):310, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1972:BRe

- [649] Anonymous. Book reviews. *Contemporary Physics*, 13(3):311–319, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1972:BRf

- [650] Anonymous. Books received. *Contemporary Physics*, 13(3):320, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shoenberg:1972:MEM

- [651] D. Shoenberg. Metallic electrons in magnetic fields: Part I. Electronic structure and electron dynamics. *Contemporary Physics*, 13(4):321–354, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barlow:1972:HSR

- [652] Boris V. Barlow and R. S. Read. High-speed rotating devices. *Contemporary Physics*, 13(4):355–374, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Massey:1972:AAAb

- [653] Sir Harrie Massey. Atom-atom and atom-ion collisions. III. Collisions involving excitation transfer, spin exchange or depolarization, without internal energy change. *Contemporary Physics*, 13(4):375–392, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Paine:1972:MFS

- [654] Thomas O. Paine. Man's future in space. *Contemporary Physics*, 13(4):393–401, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1972:BRg

- [655] Anonymous. Books received. *Contemporary Physics*, 13(4):402, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1972:BRh

- [656] Anonymous. Book review. *Contemporary Physics*, 13(4):403–418, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:1972:UFP

- [657] W. J. Jones. On the use of a Fabry–Pérot interferometer for the study of Raman spectra of gases under high resolution. *Contemporary Physics*,

13(5):419–439, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hayes:1972:SSL

- [658] W. Hayes. Spectroscopy with a synchrotron light source. *Contemporary Physics*, 13(5):441–456, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Canter:1972:SPR

- [659] K. F. Canter. Slow positrons in rare gases. *Contemporary Physics*, 13(5):457–478, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Henderson:1972:MS

- [660] C. Henderson. Molecules in space. *Contemporary Physics*, 13(5):479–499, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1972:BRi

- [661] Anonymous. Books received. *Contemporary Physics*, 13(5):500, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bates:1972:GMW

- [662] L. F. Bates. “A great man who did good things” [review of *Rutherford: Recollections of the Cambridge Days*, by Mark Oliphant (Elsevier, 1972). [Pp. xii + 158] Dfl 22.50; \$7.00]. *Contemporary Physics*, 13(5):501–502, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1972:BRj

- [663] Anonymous. Book reviews. *Contemporary Physics*, 13(5):503–518, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Golub:1972:EDM

- [664] R. Golub and J. M. Pendlebury. The electric dipole moment of the neutron. *Contemporary Physics*, 13(6):519–558, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Irani:1972:TMO

- [665] R. S. Irani. The thermodynamics and mechanisms of ordering systems. *Contemporary Physics*, 13(6):559–583, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cole:1972:ISP

- [666] G. H. A. Cole. The internal structure of planetary bodies. *Contemporary Physics*, 13(6):585–600, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bates:1972:LBP

- [667] L. F. Bates. A link between past and present in European magnetism. *Contemporary Physics*, 13(6):601–614, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1972:BRk

- [668] Anonymous. Book reviews. *Contemporary Physics*, 13(6):615–617, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1972:BRl

- [669] Anonymous. Books received. *Contemporary Physics*, 13(6):618, 1972. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Groves:1973:SAK

- [670] G. V. Groves. The structure of the atmosphere up to 150 kilometre. *Contemporary Physics*, 14(1):1–24, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bright:1973:EPS

- [671] A. W. Bright and B. Makin. The electrical propulsion of space vehicles. *Contemporary Physics*, 14(1):25–38, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fielder:1973:GM

- [672] G. Fielder. The geology of the moon. *Contemporary Physics*, 14(1):39–54, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:1973:PIT

- [673] R. G. F. Taylor and H. A. H. Boot. Pyroelectric image tubes. *Contemporary Physics*, 14(1):55–87, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1973:BRa

- [674] Anonymous. Books received. *Contemporary Physics*, 14(1):88, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bates:1973:ERA

- [675] L. F. Bates. Essay review: An American study of research expenditure and support for physics. *Atomic and Molecular Physics. Contemporary Physics*, 14(1):89–90, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1973:BRb

- [676] Anonymous. Book reviews. *Contemporary Physics*, 14(1):91–100, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Berman:1973:HCN

- [677] R. Berman. Heat conductivity of non-metallic crystals. *Contemporary Physics*, 14(2):101–117, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Eagland:1973:CS

- [678] D. Eagland. The colloidal state. *Contemporary Physics*, 14(2):119–148, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saunders:1973:SNG

- [679] G. A. Saunders. Semimetals and narrow gap semiconductors. *Contemporary Physics*, 14(2):149–166, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cocconi:1973:CIS

- [680] G. Cocconi. The CERN intersecting storage rings and strong interactions at high energies. *Contemporary Physics*, 14(2):167–186, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1973:BRc

- [681] Anonymous. Book reviews. *Contemporary Physics*, 14(2):187–199, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1973:BRd

- [682] Anonymous. Books received. *Contemporary Physics*, 14(2):200, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pearson:1973:AMO

- [683] R. F. Pearson. Application of magneto-optic effects in magnetic materials. *Contemporary Physics*, 14(3):201–211, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Frazer:1973:DPG

- [684] M. C. Frazer. The dynamo problem and the geomagnetic field. *Contemporary Physics*, 14(3):213–228, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rishbeth:1973:PCI

- [685] H. Rishbeth. Physics and chemistry of the ionosphere. *Contemporary Physics*, 14(3):229–249, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mitchell:1973:LEE

- [686] K. A. R. Mitchell. Low-energy electron diffraction. *Contemporary Physics*, 14(3):251–271, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bates:1973:SMP

- [687] L. F. Bates. The study and maintenance of physical standards. *Contemporary Physics*, 14(3):273–277, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1973:BRe

- [688] Anonymous. Book reviews. *Contemporary Physics*, 14(3):278–286, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1973:BRf

- [689] Anonymous. Books received. *Contemporary Physics*, 14(3):287–288, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kim:1973:SQT

- [690] Young S. Kim. The search for quarks in terrestrial matter. *Contemporary Physics*, 14(4):289–318, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Beer:1973:EI

- [691] Tom Beer. The equatorial ionosphere. *Contemporary Physics*, 14(4):319–327, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bahr:1973:PS

- [692] John L. Bahr. Photoelectron spectroscopy. *Contemporary Physics*, 14(4):329–355, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hasted:1973:ESS

- [693] J. B. Hasted. Electron scattering spectroscopy. *Contemporary Physics*, 14(4):357–387, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chandrasekhar:1973:PMD

- [694] S. Chandrasekhar. P. A. M. Dirac on his seventieth birthday. *Contemporary Physics*, 14(4):389–394, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1973:BRg

- [695] Anonymous. Book reviews. *Contemporary Physics*, 14(4):395–398, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1973:BRh

- [696] Anonymous. Books received. *Contemporary Physics*, 14(4):399–400, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mott:1973:MIT

- [697] N. F. Mott. Metal-insulator transitions. *Contemporary Physics*, 14(5):401–413, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Valkovic:1973:XREa

- [698] V. Valković. X-ray emission spectroscopy — Part I. *Contemporary Physics*, 14(5):415–438, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Valkovic:1973:XREb

- [699] V. Valković. X-ray emission spectroscopy — part II. *Contemporary Physics*, 14(5):439–462, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lemmon:1973:PS

- [700] R. M. Lemmon. Prebiological synthesis. *Contemporary Physics*, 14(5):463–477, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bates:1973:NAC

- [701] L. F. Bates. A new American compilation of physics data. *Contemporary Physics*, 14(5):479–481, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1973:BRi

- [702] Anonymous. Book reviews. *Contemporary Physics*, 14(5):482–495, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1973:BRj

- [703] Anonymous. Books received. *Contemporary Physics*, 14(5):496, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Massey:1973:IC

- [704] Sir Harrie Massey. Inelastic collisions. *Contemporary Physics*, 14(6):497–512, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Riviere:1973:AES

- [705] J. C. Rivière. Auger electron spectroscopy. *Contemporary Physics*, 14(6):513–539, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Megaw:1973:BAA

- [706] W. J. Megaw. The background atmospheric aerosol. *Contemporary Physics*, 14(6):541–557, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hamberger:1973:DHT

- [707] S. M. Hamberger. The development of high temperature plasma physics in the last decade. *Contemporary Physics*, 14(6):559–573, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1973:BRk

- [708] Anonymous. Book reviews. *Contemporary Physics*, 14(6):575–587, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1973:BRl

- [709] Anonymous. Books received. *Contemporary Physics*, 14(6):588, 1973. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chandrasekhar:1974:BHA

- [710] S. Chandrasekhar. The black hole in astrophysics: The origin of the concept and its role. *Contemporary Physics*, 15(1):1–24, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jackson:1974:CMC

- [711] D. P. Jackson and D. V. Morgan. Computer modelling of collision processes in solids. *Contemporary Physics*, 15(1):25–48, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Series:1974:RC

- [712] G. W. Series. The Rydberg constant. *Contemporary Physics*, 15(1):49–68, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shott:1974:POU

- [713] M. Shott. Physics in the open university. *Contemporary Physics*, 15(1):69–85, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1974:BRa

- [714] Anonymous. Books received. *Contemporary Physics*, 15(1):86, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1974:BRb

- [715] Anonymous. Book reviews. *Contemporary Physics*, 15(1):87–96, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Quenby:1974:RPC

- [716] J. J. Quenby. Recent progress in cosmic ray physics. *Contemporary Physics*, 15(2):97–120, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Geake:1974:PLP

- [717] J. E. Geake. The physics of lunar and planetary surfaces. *Contemporary Physics*, 15(2):121–158, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Israelachvili:1974:NVW

- [718] Jacob N. Israelachvili. The nature of van der Waals forces. *Contemporary Physics*, 15(2):159–178, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pease:1974:ICR

- [719] R. S. Pease and D. R. Willson. International collaboration in research on controlled thermonuclear fusion. *Contemporary Physics*, 15(2):179–192, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1974:BRc

- [720] Anonymous. Book reviews. *Contemporary Physics*, 15(2):193–195, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1974:BRd

- [721] Anonymous. Books received. *Contemporary Physics*, 15(2):196, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Backenstoss:1974:EBS

- [722] G. Backenstoss and J. Zakrzewski. Exotic bound states of strange hadrons. *Contemporary Physics*, 15(3):197–225, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Betts:1974:PCA

- [723] David S. Betts. Pomeranchuk cooling by adiabatic solidification of helium-3. *Contemporary Physics*, 15(3):227–247, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Swithenby:1974:MLH

- [724] S. J. Swithenby. Magnetometry at liquid helium temperatures. *Contemporary Physics*, 15(3):249–269, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Little:1974:SLL

- [725] V. I. Little, M. A. Cutter, P. Y. Key, and R. G. Harrison. Scattering of light from light induced periodic structures. *Contemporary Physics*, 15(3):271–298, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1974:BRe

- [726] Anonymous. Book reviews. *Contemporary Physics*, 15(3):299, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1974:BRf

- [727] Anonymous. Books received. *Contemporary Physics*, 15(3):300, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Brown:1974:STL

- [728] R. C. Brown. The surface tension of liquids. *Contemporary Physics*, 15(4):301–327, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Beynon:1974:ISS

- [729] W. J. G. Beynon. Incoherent scatter sounding of the ionosphere. *Contemporary Physics*, 15(4):329–352, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lounasmaa:1974:SPL

- [730] O. V. Lounasmaa. The superfluid phases of liquid³ He. *Contemporary Physics*, 15(4):353–374, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jordan:1974:ESM

- [731] R. G. Jordan. Electrotransport in solid metal systems. *Contemporary Physics*, 15(4):375–400, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Charap:1974:PCN

- [732] J. M. Charap. The physicist's conception of nature. *Contemporary Physics*, 15(4):401–404, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1974:BRg

- [733] Anonymous. Book reviews. *Contemporary Physics*, 15(4):405–407, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1974:BRh

- [734] Anonymous. Books received. *Contemporary Physics*, 15(4):408, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Powles:1974:LAB

- [735] J. G. Powles. Liquids — the awkward in-between. *Contemporary Physics*, 15(5):409–425, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Twiddy:1974:SSF

- [736] N. D. Twiddy. The steady-state flowing afterglow method. *Contemporary Physics*, 15(5):427–444, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shaw:1974:PI

- [737] M. J. Shaw. Penning ionization. *Contemporary Physics*, 15(5):445–464, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rotherham:1974:NPS

- [738] L. Rotherham. Nuclear power systems — some principles. *Contemporary Physics*, 15(5):465–478, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lipson:1974:SPA

- [739] H. S. Lipson. Scientific papers of Arthur Holly Compton. *Contemporary Physics*, 15(5):479–480, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bishop:1974:SPC

- [740] G. R. Bishop. Science policy and co-operative research in Europe. *Contemporary Physics*, 15(5):481–482, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1974:BRi

- [741] Anonymous. Book reviews. *Contemporary Physics*, 15(5):483–499, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1974:BRj

- [742] Anonymous. Books received. *Contemporary Physics*, 15(5):500, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chesterman:1974:OF

- [743] W. Deryck Chesterman. The ocean floor. *Contemporary Physics*, 15(6):501–516, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hardman:1974:SPC

- [744] J. S. Hardman and B. A. Lilley. The study of powder compaction mechanisms. *Contemporary Physics*, 15(6):517–536, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Williams:1974:CFT

- [745] R. P. Williams. A convolution and Fourier-transform approach to paraxial optics. *Contemporary Physics*, 15(6):537–552, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ruddock:1974:TPB

- [746] K. H. Ruddock. From theoretical physics to biology. *Contemporary Physics*, 15(6):553–558, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McCrea:1974:PD

- [747] W. H. McCrea. Physics in debate. *Contemporary Physics*, 15(6):559–561, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bates:1974:DWP

- [748] L. F. Bates. Domain wall pinning. *Contemporary Physics*, 15(6):562–564, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Feather:1974:CN

- [749] N. Feather. Chadwick’s neutron. *Contemporary Physics*, 15(6):565–572, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1974:BRk

- [750] Anonymous. Book reviews. *Contemporary Physics*, 15(6):573–597, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1974:BRl

- [751] Anonymous. Books received. *Contemporary Physics*, 15(6):598, 1974. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blandford:1975:EDR

- [752] R. D. Blandford and M. J. Rees. Extragalactic double radio sources — the current observational and theoretical position. *Contemporary*

Physics, 16(1):1–16, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peach:1975:WSL

- [753] G. Peach. The width of spectral lines. *Contemporary Physics*, 16(1):17–34, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Allen:1975:PM

- [754] Geoffrey Allen. Polymeric materials. *Contemporary Physics*, 16(1):35–49, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Browne:1975:ASE

- [755] P. F. Browne. Aspects of stellar evolution reappraised. *Contemporary Physics*, 16(1):51–68, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hayes:1975:SLS

- [756] W. Hayes. Scattering of light by solids. *Contemporary Physics*, 16(1):69–91, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1975:BRa

- [757] Anonymous. Books received. *Contemporary Physics*, 16(1):92, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1975:BRb

- [758] Anonymous. Book review. *Contemporary Physics*, 16(1):93–100, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Putley:1975:HEA

- [759] E. H. Putley. The hall effect and its applications. *Contemporary Physics*, 16(2):101–126, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dale:1975:MS

- [760] B. W. Dale. Mössbauer spectroscopy. *Contemporary Physics*, 16(2):127–146, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fluendy:1975:RSM

- [761] Malcolm A. D. Fluendy. Reactive scattering of molecular beams. *Contemporary Physics*, 16(2):147–172, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Perkins:1975:NNS

- [762] D. H. Perkins. Neutrinos and nucleon structure. *Contemporary Physics*, 16(2):173–205, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McCrea:1975:TD

- [763] W. H. McCrea. Trigger for disaster. *Contemporary Physics*, 16(2):207–208, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hunt:1975:TAH

- [764] S. E. Hunt. Technology arising from high energy physics. *Contemporary Physics*, 16(2):209–210, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Feather:1975:CLA

- [765] Norman Feather. The Cavendish Laboratory — aristocrat's playground to people's workshop. *Contemporary Physics*, 16(2):211–213, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1975:BRR

- [766] Anonymous. Book reviews: Reviews by Professor John Lenihan, Glasgow University. *Contemporary Physics*, 16(2):215–218, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1975:BRc

- [767] Anonymous. Books received. *Contemporary Physics*, 16(2):219–220, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Morgan:1975:RAS

- [768] D. Vernon Morgan. Recent advances in surface studies: Ion beam analysis. *Contemporary Physics*, 16(3):221–241, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

TerHaar:1975:P

- [769] D. Ter Haar. Pulsars. *Contemporary Physics*, 16(3):243–256, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Beer:1975:WG

- [770] Tom Beer. Whispering galleries. *Contemporary Physics*, 16(3):257–262, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bradley:1975:SRA

- [771] D. J. Bradley. Some recent advances in lasers and opto-electronics. *Contemporary Physics*, 16(3):263–286, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:1975:ORS

- [772] O. C. Jones. Optical radiation scales. *Contemporary Physics*, 16(3):287–310, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1975:BRd

- [773] Anonymous. Book reviews. *Contemporary Physics*, 16(3):311–315, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1975:BRe

- [774] Anonymous. Books received. *Contemporary Physics*, 16(3):316, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ruddock:1975:VFP

- [775] K. H. Ruddock. Visual form perception. *Contemporary Physics*, 16(4):317–348, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:1975:SPR

- [776] Denzil Taylor Smith. The sea: A physical resource bonanza? *Contemporary Physics*, 16(4):349–374, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bell:1975:DTM

- [777] A. E. Bell and A. D. Caplin. Dilute transition metal alloys and the Kondo problem. *Contemporary Physics*, 16(4):375–394, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cook:1975:IPM

- [778] A. H. Cook. The importance of precise measurement in physics. *Contemporary Physics*, 16(4):395–408, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1975:BRf

- [779] Anonymous. Book reviews. *Contemporary Physics*, 16(4):409–411, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1975:BRg

- [780] Anonymous. Books received. *Contemporary Physics*, 16(4):412, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Parley:1975:AMM

- [781] F. J. M. Parley. The anomalous magnetic moment of the muon. *Contemporary Physics*, 16(5):413–441, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anderson:1975:SLR

- [782] J. S. Anderson and J. L. Hutchison. The study of long range order in hexagonal barium ferrite layer structures. *Contemporary Physics*, 16(5):443–467, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Briggs:1975:IIR

- [783] B. H. Briggs. Ionospheric irregularities and radio scintillations. *Contemporary Physics*, 16(5):469–488, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Feather:1975:TTY

- [784] Norman Feather. Twice thirty years of physics. *Contemporary Physics*, 16(5):489–498, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bowers:1975:CWE

- [785] Brian Bowers. Charles Wheatstone — experimental philosopher. *Contemporary Physics*, 16(5):499–512, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1975:BRh

- [786] Anonymous. Book reviews. *Contemporary Physics*, 16(5):513–515, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1975:BRi

- [787] Anonymous. Book received. *Contemporary Physics*, 16(5):516, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hurd:1975:ASE

- [788] C. M. Hurd. Asymmetric scattering of electrons in metals. *Contemporary Physics*, 16(6):517–532, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:1975:GAT

- [789] B. J. Mason. The GARP Atlantic tropical experiment. *Contemporary Physics*, 16(6):533–546, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bates:1975:MMT

- [790] C. A. Bates and P. H. Wood. Magnetic moments and their interaction in insulating crystals. *Contemporary Physics*, 16(6):547–560, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Enoch:1975:MDS

- [791] R. D. Enoch. Magnetic domain studies on yttrium iron garnet using an infrared image converter. *Contemporary Physics*, 16(6):561–573, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stratton:1975:ORO

- [792] A. Stratton. Operational research: (i) its origins and development in government service. *Contemporary Physics*, 16(6):575–588, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McCrea:1975:GO

- [793] W. H. McCrea, F.R.S. Greenwich Observatory. *Contemporary Physics*, 16(6):589–590, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1975:BRj

- [794] Anonymous. Book reviews. *Contemporary Physics*, 16(6):591–610, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1975:BRk

- [795] Anonymous. Books received. *Contemporary Physics*, 16(6):611, 1975. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1976:OSG

- [796] Anonymous. Obituary: Sir George Paget Thomson, F.R.S. (1892–1975). *Contemporary Physics*, 17(1):i–iii, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mayneord:1976:SUM

- [797] W. V. Mayneord. SI units in medical physics. *Contemporary Physics*, 17(1):1–12, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cracknell:1976:AU

- [798] Margaret F. Cracknell and Arthur P. Cracknell. Applications of ultrasonics. *Contemporary Physics*, 17(1):13–44, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Evans:1976:D

- [799] T. Evans. Diamonds. *Contemporary Physics*, 17(1):45–70, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Grimes:1976:CSA

- [800] N. W. Grimes. Crystal structures with asymmetric and off-centre atoms. *Contemporary Physics*, 17(1):71–93, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rivett:1976:ORP

- [801] B. H. P. Rivett. Operational research: (2) perspective and prologue. *Contemporary Physics*, 17(1):95–102, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bragg:1976:DXR

- [802] Sir Lawrence Bragg. The development of X-ray analysis. *Contemporary Physics*, 17(1):103–104, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1976:BRa

- [803] Anonymous. Book reviews. *Contemporary Physics*, 17(1):105–107, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1976:BRb

- [804] Anonymous. Book received. *Contemporary Physics*, 17(1):108, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Trevena:1976:SSL

- [805] D. H. Trevena. The stretching and superheating of liquids. *Contemporary Physics*, 17(2):109–126, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Garlick:1976:IVL

- [806] G. F. J. Garlick. Infrared to visible light conversion. *Contemporary Physics*, 17(2):127–144, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Killingbeck:1976:UPE

- [807] J. P. Killingbeck. The use of pocket electronic calculators in scientific work. *Contemporary Physics*, 17(2):145–168, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kent:1976:OBB

- [808] Sir Peter Kent. Oil from beneath Britain's seas. *Contemporary Physics*, 17(2):169–172, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Weaire:1976:SAS

- [809] D. Weaire. The structure of amorphous solids. *Contemporary Physics*, 17(2):173–191, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bates:1976:BAO

- [810] L. F. Bates. The bases of authority for our symbols and units. *Contemporary Physics*, 17(2):193–196, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Feather:1976:BMF

- [811] Noman Feather. Biographical memoirs of Fellows of the Royal Society. *Contemporary Physics*, 17(2):197–198, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Enoch:1976:MB

- [812] R. D. Enoch. Magnetic bubbles. *Contemporary Physics*, 17(2):199–202, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1976:BRc

- [813] Anonymous. Books received. *Contemporary Physics*, 17(2):203–204, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1976:BRd

- [814] Anonymous. Book reviews. *Contemporary Physics*, 17(2):205–208, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Coleman:1976:II

- [815] C. I. Coleman and A. Boksenberg. Image intensifiers. *Contemporary Physics*, 17(3):209–236, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dolder:1976:CBE

- [816] K. T. Dolder. Crossed beam experiments. *Contemporary Physics*, 17(3):237–248, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Durao:1976:IVT

- [817] D. F. G. Durão and J. H. Whitelaw. Instantaneous velocity and temperature measurements in oscillating diffusion flames. *Contemporary Physics*, 17(3):249–274, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Davies:1976:ODM

- [818] J. J. Davies. Optically-detected magnetic resonance and its applications. *Contemporary Physics*, 17(3):275–294, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cook:1976:QGO

- [819] A. H. Cook. Quantum gravity: An Oxford symposium. *Contemporary Physics*, 17(3):295–296, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Parker:1976:PNE

- [820] K. Parker. Peaceful nuclear explosions — the state of the art. *Contemporary Physics*, 17(3):297–300, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1976:BRe

- [821] Anonymous. Book reviews. *Contemporary Physics*, 17(3):301–305, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1976:BRf

- [822] Anonymous. Book received. *Contemporary Physics*, 17(3):306, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shaw:1976:PPD

- [823] Dennis Shaw. Physics in the prevention and detection of crime. *Contemporary Physics*, 17(4):307–330, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Berlinsky:1976:OM

- [824] A. J. Berlinsky. Organic metals. *Contemporary Physics*, 17(4):331–354, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Komarek:1976:ST

- [825] P. Komarek. Superconductivity in technology. *Contemporary Physics*, 17(4):355–386, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Allen:1976:IHF

- [826] P. S. Allen. Internal hyperfine fields in magnetic solids. *Contemporary Physics*, 17(4):387–402, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wilson:1976:NTS

- [827] J. G. Wilson. Nuclear tracks in solids. *Contemporary Physics*, 17(4):403–404, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1976:BRg

- [828] Anonymous. Book reviews. *Contemporary Physics*, 17(4):405–409, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1976:BRh

- [829] Anonymous. Books received. *Contemporary Physics*, 17(4):410, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Squires:1976:STN

- [830] G. L. Squires. The scattering of thermal neutrons by crystals. *Contemporary Physics*, 17(5):411–441, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Heddle:1976:ROE

- [831] D. W. O. Heddle. Resonances in optical excitation functions. *Contemporary Physics*, 17(5):443–460, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bowlt:1976:TSE

- [832] C. Bowlt. Thermally stimulated effects in dielectrics and their application to radiation dosimetry. *Contemporary Physics*, 17(5):461–482, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rishbeth:1976:ENP

- [833] H. Rishbeth. EISCAT: A new project for studying the high latitude ionosphere. *Contemporary Physics*, 17(5):483–489, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Yapp:1976:ERN

- [834] W. Brunsdon Yapp. Essay review: Nuclear energy and the environment. *Combined Effects of Radioactive, Chemical and Thermal Rebases to the Environment. Proceedings of a Symposium held in Stockholm, 2–5 June 1975*. Vienna, 1975. International Atomic Energy Agency. London, H.M.S.O., pp. 358. £10.00. *Impacts of Nuclear Releases into the Aquatic Environment. Proceedings of an International Symposium held at Otaniemi, Finland, 30 June–4 July 1975*. Vienna, 1975. International Atomic Energy Agency. London, H.M.S.O., pp. 524. £14.60. *Contemporary Physics*, 17(5):491–494, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1976:BRi

- [835] Anonymous. Book review. *Contemporary Physics*, 17(5):495–505, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1976:BRj

- [836] Anonymous. Books received. *Contemporary Physics*, 17(5):506, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Clarke:1976:RET

- [837] M. E. Clarke and J. B. Gardner. Refrigeration with expansion turbines. *Contemporary Physics*, 17(6):507–528, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Heavens:1976:SRD

- [838] O. S. Heavens. Some recent developments in gas lasers. *Contemporary Physics*, 17(6):529–552, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mansfield:1976:PSI

- [839] P. Mansfield. Proton spin imaging by nuclear magnetic resonance. *Contemporary Physics*, 17(6):553–576, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cook:1976:MDM

- [840] A. H. Cook. Measurement of distances to the Moon and artificial satellites. *Contemporary Physics*, 17(6):577–598, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1976:BRk

- [841] Anonymous. Book reviews. *Contemporary Physics*, 17(6):599–609, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1976:BRl

- [842] Anonymous. Book received. *Contemporary Physics*, 17(6):610, 1976. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Morrell:1977:ZGP

- [843] R. Morrell. ‘Zero-gravity’ physics — the Spacelab project. *Contemporary Physics*, 18(1):1–22, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barlow:1977:GBL

- [844] B. V. Barlow. Ground based low light astronomy. *Contemporary Physics*, 18(1):23–46, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Grundy:1977:MBT

- [845] P. J. Grundy. Magnetic bubbles and their observation in the electron microscope. *Contemporary Physics*, 18(1):47–72, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Croft:1977:SAB

- [846] A. J. Croft. Scientific aids for the blind. *Contemporary Physics*, 18(1):73–80, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Martin:1977:PSLa

- [847] D. H. Martin. Probing solids and liquids (part 1). *Contemporary Physics*, 18(1):81–98, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bates:1977:ERN

- [848] L. F. Bates. Essay review: New growth points in magnetism: a review of *Magnetism: Selected Topics*, edited by Simon Foner. *Contemporary Physics*, 18(1):99–103, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1977:BRa

- [849] Anonymous. Book reviews. *Contemporary Physics*, 18(1):104, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lambert:1977:ERI

- [850] B. E. Lambert. Essay review: The insoluble plutonium hazard. *The Diagnosis and Treatment of Radionuclides. Contemporary Physics*, 18(1):105–107, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1977:BRb

- [851] Anonymous. Book reviews. *Contemporary Physics*, 18(1):108–110, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1977:BRc

- [852] Anonymous. Books received. *Contemporary Physics*, 18(1):111–112, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pease:1977:PCN

- [853] R. S. Pease. The potential of controlled nuclear fusion. *Contemporary Physics*, 18(2):113–135, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pitt:1977:DHP

- [854] G. D. Pitt. Developments in high pressure physics. *Contemporary Physics*, 18(2):137–164, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ratcliffe:1977:M

- [855] J. A. Ratcliffe. The magnetosphere. *Contemporary Physics*, 18(2):165–182, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Warren:1977:SB

- [856] C. H. E. Warren. Sonic bangs. *Contemporary Physics*, 18(2):183–192, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Martin:1977:PSLb

- [857] D. H. Martin. Probing solids and liquids (part 2). *Contemporary Physics*, 18(2):193–218, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1977:BRd

- [858] Anonymous. Book reviews. *Contemporary Physics*, 18(2):219–222, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1977:BRe

- [859] Anonymous. Books received. *Contemporary Physics*, 18(2):223–224, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mott:1977:EG

- [860] N. F. Mott. Electrons in glass. *Contemporary Physics*, 18(3):225–245, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Brochard:1977:NFS

- [861] L. F. Brochard. Nematic fluids: Some easy demonstration experiments. *Contemporary Physics*, 18(3):247–264, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Killingbeck:1977:SAP

- [862] J. P. Killingbeck. Some applications of programmable calculators. *Contemporary Physics*, 18(3):265–278, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Parker:1977:PMS

- [863] Martin R. Parker. The physics of magnetic separation. *Contemporary Physics*, 18(3):279–306, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Beer:1977:TM

- [864] Tom Beer. Tropical meteorology. *Contemporary Physics*, 18(3):307–314, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bondi:1977:NCK

- [865] H. Bondi. Nigel Calder: ‘the key to the universe’. *Contemporary Physics*, 18(3):315–316, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rowlinson:1977:HB

- [866] J. S. Rowlinson. The hydrogen bond. *Contemporary Physics*, 18(3):317–318, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Leslie:1977:PFR

- [867] D. C. Leslie. Pulsed fusion reactors. *Contemporary Physics*, 18(3):319, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Yapp:1977:SVP

- [868] W. Brunsdon Yapp. Science versus pollution. *Contemporary Physics*, 18(3):320, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Williams:1977:RJP

- [869] Professor M. M. R. Williams. A review of: “The JET project: Design proposal for the Joint European Torus, Commission of the European Communities, Brussels 1976. [Pp. xxx + 615.] £9.80., Scope: Report/Survey. Level: Specialist”. *Contemporary Physics*, 18(3):321, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1977:BRf

- [870] Anonymous. Books received. *Contemporary Physics*, 18(3):322, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bray:1977:TSA

- [871] W. J. Bray. Telecommunications — the state of the art. *Contemporary Physics*, 18(4):323–349, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gadian:1977:NMR

- [872] D. G. Gadian. Nuclear magnetic resonance in living tissue. *Contemporary Physics*, 18(4):351–372, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Haasen:1977:PHM

- [873] P. Haasen. Precipitation hardening for mechanical strength, magnetic hardness and hardness of superconductors. *Contemporary Physics*, 18(4):373–392, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cook:1977:SMS

- [874] A. H. Cook. Standards of measurement and the structure of physical knowledge. *Contemporary Physics*, 18(4):393–409, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hiley:1977:ERF

- [875] B. J. Hiley. Essay review: Foundations of quantum mechanics. *Conceptual Foundations of Quantum Mechanics*, by Bernard D’Espagnat. *Contemporary Physics*, 18(4):411–414, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1977:BRg

- [876] Anonymous. Book reviews. *Contemporary Physics*, 18(4):415–420, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1977:BRh

- [877] Anonymous. Books received. *Contemporary Physics*, 18(4):421, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pepper:1977:ISI

- [878] M. Pepper. An introduction to silicon inversion layers. *Contemporary Physics*, 18(5):423–454, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Skinner:1977:RGS

- [879] N. J. Skinner. Recent geophysical studies of the Kenya Rift Valley. *Contemporary Physics*, 18(5):455–470, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Haselden:1977:LNG

- [880] G. G. Haselden. The liquefaction of natural gas. *Contemporary Physics*, 18(5):471–488, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cooper:1977:CSE

- [881] Malcolm J. Cooper. Compton scattering and electron momentum. *Contemporary Physics*, 18(5):489–517, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1977:BRi

- [882] Anonymous. Book reviews. *Contemporary Physics*, 18(5):519–524, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1977:BRj

- [883] Anonymous. Books received. *Contemporary Physics*, 18(5):525–526, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ansaldo:1977:USR

- [884] E. J. Ansaldo. Uses of synchrotron radiation. *Contemporary Physics*, 18(6):527–546, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Edwards:1977:ACS

- [885] S. J. Edwards. Applications of colour science. *Contemporary Physics*, 18(6):547–554, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hurley:1977:UMD

- [886] G. D. Hurley and J. F. Malone. Ultrasound in medical diagnosis. *Contemporary Physics*, 18(6):555–570, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Matthews:1977:BMF

- [887] J. R. Matthews. The behaviour of materials in fast reactors. *Contemporary Physics*, 18(6):571–591, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1977:BRk

- [888] Anonymous. Book reviews. *Contemporary Physics*, 18(6):593–603, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1977:BRI

- [889] Anonymous. Books received. *Contemporary Physics*, 18(6):604, 1977. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Williams:1978:EE

- [890] P. M. Williams. The evolution of the elements. *Contemporary Physics*, 19(1):1–24, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Debney:1978:TSC

- [891] B. T. Debney and J. R. Knight. Terrestrial solar cells — present and future. *Contemporary Physics*, 19(1):25–45, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barlow:1978:HPA

- [892] B. V. Barlow. Hypersensitizing processes in astrophotography. *Contemporary Physics*, 19(1):47–64, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stwalley:1978:LRM

- [893] William C. Stwalley. Long-range molecules. *Contemporary Physics*, 19(1):65–80, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McCrea:1978:FU

- [894] W. H. McCrea. Faces of the universe. *Contemporary Physics*, 19(1):81–82, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Burhop:1978:SI

- [895] E. H. S. Burhop. The strong interaction. *Contemporary Physics*, 19(1):83–84, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barlow:1978:RSE

- [896] Boris v. Barlow. Remote sensing of the environment. *Contemporary Physics*, 19(1):85–86, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1978:BRa

- [897] Anonymous. Book reviews. *Contemporary Physics*, 19(1):87–94, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1978:BRb

- [898] Anonymous. Books received. *Contemporary Physics*, 19(1):95–96, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1978:OPF

- [899] Anonymous. Obituary Professor L. F. Bates. *Contemporary Physics*, 19(2):97–98, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Malinowski:1978:PSS

- [900] J. Malinowski and A. Buroff. Photostimulated solid state reactions. *Contemporary Physics*, 19(2):99–108, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ovshinsky:1978:LSB

- [901] Stanford R. Ovshinsky and David Adler. Local structure, bonding, and electronic properties of covalent amorphous semiconductors. *Contemporary Physics*, 19(2):109–126, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jakeman:1978:TS

- [902] E. Jakeman, G. Parry, E. R. Pike, and P. N. Pusey. The twinkling of stars. *Contemporary Physics*, 19(2):127–145, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hooper:1978:FIC

- [903] A. Hooper. Fast ionic conductors. *Contemporary Physics*, 19(2):147–168, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1978:BRc

- [904] Anonymous. Books received. *Contemporary Physics*, 19(2):169–175, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1978:BRd

- [905] Anonymous. Books received. *Contemporary Physics*, 19(2):176, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Solomon:1978:CT

- [906] Ian Solomon and Robert Golub. Climatic trends. *Contemporary Physics*, 19(3):177–201, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Thompson:1978:SMP

- [907] Colin J. Thompson. The statistical mechanics of phase transitions. *Contemporary Physics*, 19(3):203–224, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Henderson:1978:CSI

- [908] B. Henderson. Colour, symmetry and imperfect crystals. *Contemporary Physics*, 19(3):225–267, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mapps:1978:MDD

- [909] D. J. Mapps. Magnetic domain demonstrations using the Kerr magneto-optic effect. *Contemporary Physics*, 19(3):269–281, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1978:BRe

- [910] Anonymous. Books reviews. *Contemporary Physics*, 19(3):283–286, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stern:1978:SDX

- [911] E. A. Stern. Structure determination by X-ray absorption. *Contemporary Physics*, 19(4):289–310, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Borovik-Romanov:1978:SWA

- [912] A. S. Borovik-Romanov and L. A. Prozorova. Spin waves in antiferromagnetics. *Contemporary Physics*, 19(4):311–326, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Coqblin:1978:SFM

- [913] B. Coqblin, J. R. Iglesias-Sicardi, and R. Jullien. Spin fluctuations in metals: Application to the actinides. *Contemporary Physics*, 19(4):327–354, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dawe:1978:ROP

- [914] R. A. Dawe and E. O. Egbogah. The recovery of oil from petroleum reservoirs. *Contemporary Physics*, 19(4):355–376, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Williams:1978:ESS

- [915] R. H. Williams. Electron spectroscopy of surfaces. *Contemporary Physics*, 19(5):389–413, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Connerade:1978:NRS

- [916] J. P. Connerade. The non-Rydberg spectroscopy of atoms. *Contemporary Physics*, 19(5):415–447, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lehmann:1978:ITM

- [917] J. C. Lehmann. Iodine, a test molecule in modern spectroscopy. *Contemporary Physics*, 19(5):449–467, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hayes:1978:SC

- [918] W. Hayes. Superionic conductors. *Contemporary Physics*, 19(5):469–486, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bondi:1978:MCP

- [919] Hermann Bondi. As much of cosmology as is possible. *Contemporary Physics*, 19(5):487–488, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1978:BRf

- [920] Anonymous. Book reviews. *Contemporary Physics*, 19(5):489–492, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1978:BRg

- [921] Anonymous. Books received. *Contemporary Physics*, 19(5):493–494, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1978:E

- [922] Anonymous. Editorial. *Contemporary Physics*, 19(6):i, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ratcliffe:1978:WUA

- [923] J. A. Ratcliffe. Wireless and the upper atmosphere 1900–1935. *Contemporary Physics*, 19(6):495–504, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Manning:1978:SNS

- [924] G. Manning. Spallation neutron sources for neutron beam research. *Contemporary Physics*, 19(6):505–529, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Feates:1978:NPR

- [925] F. S. Feates. Nuclear power and radioactive waste management. *Contemporary Physics*, 19(6):531–542, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nelson:1978:UIB

- [926] R. S. Nelson. The use of ion beams to study radiation effects in metals. *Contemporary Physics*, 19(6):543–569, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Burcham:1978:NP

- [927] W. E. Burcham. Nuclei and particles. *Contemporary Physics*, 19(6):571–572, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barlow:1978:HR

- [928] B. V. Barlow. Hologram recording. *Contemporary Physics*, 19(6):573–574, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McCrea:1978:AC

- [929] W. H. McCrea. Astronomy and cosmology. *Contemporary Physics*, 19(6):575–577, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1978:BRh

- [930] Anonymous. Book reviews. *Contemporary Physics*, 19(6):579–582, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1978:BRi

- [931] Anonymous. Books received. *Contemporary Physics*, 19(6):583–584, 1978. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cottrell:1979:NPE

- [932] Alan Cottrell. The natural philosophy of engines. *Contemporary Physics*, 20(1):1–10, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Colles:1979:OE

- [933] M. J. Colles, N. R. Geddes, and E. Mehdizadeh. The optoacoustic effect. *Contemporary Physics*, 20(1):11–36, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:1979:LIM

- [934] Stig Stenholm. Laser-induced multiphoton transitions. *Contemporary Physics*, 20(1):37–54, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cracknell:1979:SHM

- [935] A. P. Cracknell and A. O. Tooke. The specific heats of magnetically-ordered materials. *Contemporary Physics*, 20(1):55–82, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Yapp:1979:CP

- [936] W. Brunsdon Yapp. Contemporary pollution. *Contemporary Physics*, 20(1):83–84, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barlow:1979:OID

- [937] B. V. Barlow. Optical and infrared detectors. *Contemporary Physics*, 20(1):85–86, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lipson:1979:EXR

- [938] H. Lipson. Elements of X-ray diffraction. *Contemporary Physics*, 20(1):87–88, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1979:BRa

- [939] Anonymous. Book reviews. *Contemporary Physics*, 20(1):89–118, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1979:BRb

- [940] Anonymous. Books received. *Contemporary Physics*, 20(1):119, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Migdal:1979:PSC

- [941] A. B. Migdal. On the psychology of scientific creativity. *Contemporary Physics*, 20(2):121–148, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hockney:1979:LPC

- [942] Roger W. Hockney. The large parallel computer and university research. *Contemporary Physics*, 20(2):149–185, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tanner:1979:AD

- [943] B. K. Tanner. Antiferromagnetic domains. *Contemporary Physics*, 20(2):187–210, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Murray:1979:AVP

- [944] C. A. Murray. An astronomer's view of the pole. *Contemporary Physics*, 20(2):211–226, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mott:1979:NPS

- [945] Sir Nevill Mott. Nobel prizes in science. *Contemporary Physics*, 20(2):227–228, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Noakes:1979:ECV

- [946] G. R. Noakes. Einstein. a centenary volume. *Contemporary Physics*, 20(2):229–230, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1979:SNBa

- [947] Anonymous. Short notices of books. *Contemporary Physics*, 20(2):231–232, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1979:BRc

- [948] Anonymous. Book reviews. *Contemporary Physics*, 20(2):233–238, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rice:1979:EHL

- [949] T. M. Rice. The electron-hole liquid. *Contemporary Physics*, 20(3):241–255, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Morley:1979:CMD

- [950] J. G. Morley. Composite materials: Designing for structural integrity. *Contemporary Physics*, 20(3):257–292, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Close:1979:NPT

- [951] F. E. Close. The new particles and their significance. *Contemporary Physics*, 20(3):293–313, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:1979:WFP

- [952] B. J. Mason. Weather forecasting as a problem in fluid dynamics. *Contemporary Physics*, 20(3):315–335, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mott:1979:EHL

- [953] Sir Nevill Mott. The electron-hole liquid. *Contemporary Physics*, 20(3):337–338, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McCrea:1979:OTA

- [954] W. H. McCrea. Observational and theoretical astronomy. *Contemporary Physics*, 20(3):339–341, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:1979:PV

- [955] C. A. Taylor. The physics of vibration. *Contemporary Physics*, 20(3):343–344, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1979:BRd

- [956] Anonymous. Book reviews. *Contemporary Physics*, 20(3):345–368, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1979:SNBb

- [957] Anonymous. Short notices of books. *Contemporary Physics*, 20(3):369–371, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1979:BRe

- [958] Anonymous. Books received. *Contemporary Physics*, 20(3):373–374, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blin-Stoyle:1979:NL

- [959] R. J. Blin-Stoyle. The nucleus as a laboratory. *Contemporary Physics*, 20(4):377–399, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Leck:1979:UHV

- [960] J. H. Leck. Ultra-high vacuum measurement. *Contemporary Physics*, 20(4):401–415, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kulcinski:1979:FRT

- [961] G. L. Kulcinski. Fusion reactors: Their challenge to materials scientists. *Contemporary Physics*, 20(4):417–447, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pfister:1979:NAE

- [962] G. Pfister. New aspects of electronic properties of amorphous selenium and its use in xerography. *Contemporary Physics*, 20(4):449–479, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Motz:1979:SRA

- [963] M. Motz. Some recent advances in optics. *Contemporary Physics*, 20(4):481–482, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pepper:1979:SP

- [964] Michael Pepper. Semiconductor physics. *Contemporary Physics*, 20(4):483–485, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gowing:1979:ERM

- [965] Margaret Gowing. Essay review: *My life: Recollections of a Nobel laureate*, by Max Born. *Contemporary Physics*, 20(4):485–486, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1979:BRf

- [966] Anonymous. Book reviews. *Contemporary Physics*, 20(4):487–498, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1979:BRg

- [967] Anonymous. Books received. *Contemporary Physics*, 20(4):499–500, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Garcia-Moliner:1979:PS

- [968] F. García-Moliner. Physics in Spain. *Contemporary Physics*, 20(5):503–513, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:1979:MA

- [969] C. A. Taylor. Musical acoustics. *Contemporary Physics*, 20(5):515–534, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stoneham:1979:TDS

- [970] A. M. Stoneham. The theory of defects in solids. *Contemporary Physics*, 20(5):535–545, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Motz:1979:UFE

- [971] H. Motz. Undulators and ‘free-electron lasers’. *Contemporary Physics*, 20(5):547–568, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nelson:1979:NPT

- [972] R. L. Nelson. Nuclear power at a turning point. *Contemporary Physics*, 20(5):569–571, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1979:BRh

- [973] Anonymous. Book reviews. *Contemporary Physics*, 20(5):573–576, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1979:SNBc

- [974] Anonymous. Short notices of books. *Contemporary Physics*, 20(5):577–578, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1979:BRi

- [975] Anonymous. Books received. *Contemporary Physics*, 20(5):579–580, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Frisch:1979:O

- [976] O. R. Frisch and Nevill Mott. Obituary. *Contemporary Physics*, 20(6):583, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bondi:1979:GC

- [977] H. Bondi. Gravitational capture. *Contemporary Physics*, 20(6):585–591, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nagpal:1979:SAG

- [978] O. P. Nagpal. The sources of atmospheric gravity waves. *Contemporary Physics*, 20(6):593–609, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Klein:1979:SDP

- [979] J. Klein. The self-diffusion of polymers. *Contemporary Physics*, 20(6):611–629, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Latimer:1979:REI

- [980] C. J. Latimer. Recent experiments involving highly excited atoms. *Contemporary Physics*, 20(6):631–653, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gowing:1979:LAL

- [981] Margaret Gowing. “. . . I have always lived very much in the present . . .”. *Contemporary Physics*, 20(6):655–657, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tanner:1979:EM

- [982] B. K. Tanner. Experimental magnetism. *Contemporary Physics*, 20(6):657–659, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Goldsmith:1979:THL

- [983] Maurice Goldsmith. Is there hope . . .? *Contemporary Physics*, 20(6):659–660, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McCrea:1979:TRS

- [984] W. H. McCrea. The theory of rotating stars. *Contemporary Physics*, 20(6):660–661, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1979:BRj

- [985] Anonymous. Books reviews. *Contemporary Physics*, 20(6):663–675, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1979:SNBd

- [986] Anonymous. Short notices of books. *Contemporary Physics*, 20(6):677–678, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1979:BRk

- [987] Anonymous. Books received. *Contemporary Physics*, 20(6):679–680, 1979. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peierls:1980:MMP

- [988] Sir Rudolf Peierls. Model-making in physics. *Contemporary Physics*, 21(1):3–17, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harrison:1980:MPI

- [989] R. G. Harrison and S. R. Butcher. Multiple photon infrared processes in polyatomic molecules. *Contemporary Physics*, 21(1):19–41, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cahn:1980:MG

- [990] R. W. Cahn. Metallic glasses. *Contemporary Physics*, 21(1):43–75, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Araujo:1980:PGC

- [991] R. J. Araujo. Photochromism in glasses containing silver halides. *Contemporary Physics*, 21(1):77–84, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cottrell:1980:SSP

- [992] Sir Alan Cottrell, F.R.S. Structural stability in physics. *Contemporary Physics*, 21(1):85–86, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Burcham:1980:FN

- [993] W. E. Burcham, F.R.S. The forces of nature. *Contemporary Physics*, 21(1):86–87, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Caplin:1980:CC

- [994] A. D. Caplin. Clear as crystal. *Contemporary Physics*, 21(1):87–90, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1980:BRa

- [995] Anonymous. Book reviews. *Contemporary Physics*, 21(1):91–93, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1980:SNBa

- [996] Anonymous. Short notices of books. *Contemporary Physics*, 21(1):94, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1980:BRb

- [997] Anonymous. Books received. *Contemporary Physics*, 21(1):95–96, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rees:1980:GCC

- [998] Martin J. Rees. Gravitational collapse and cosmology. *Contemporary Physics*, 21(2):99–120, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gutzow:1980:ICGa

- [999] I. Gutzow. Induced crystallization of glass-forming systems: A case of transient heterogeneous nucleation, part 1. *Contemporary Physics*, 21(2):121–137, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:1980:AA

- [1000] C. A. Taylor. Architectural acoustics. *Contemporary Physics*, 21(2):139–158, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Iliopoulos:1980:UTE

- [1001] J. Iliopoulos. Unified theories of elementary particle interactions. *Contemporary Physics*, 21(2):159–183, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cole:1980:NST

- [1002] G. H. A. Cole. Notions of space and time. *Contemporary Physics*, 21(2):185–186, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1980:BRc

- [1003] Anonymous. Book reviews. *Contemporary Physics*, 21(2):187–191, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1980:SNBb

- [1004] Anonymous. Short notices of books. *Contemporary Physics*, 21(2):191–193, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1980:BRd

- [1005] Anonymous. Books received. *Contemporary Physics*, 21(2):195, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vorreiter:1980:CSS

- [1006] John W. Vorreiter. Cryogenic systems for spacecraft. *Contemporary Physics*, 21(3):201–217, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bhandari:1980:SGA

- [1007] C. M. Bhandari and D. M. Rowe. Silicon–germanium alloys as high-temperature thermoelectric materials. *Contemporary Physics*, 21(3):219–242, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gutzow:1980:ICGb

- [1008] I. Gutzow. Induced crystallization of glass-forming systems: A case of transient heterogeneous nucleation (part II). *Contemporary Physics*, 21(3):243–263, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:1980:SLI

- [1009] T. F. Smith and T. R. Finlayson. Superconductivity and lattice instability. *Contemporary Physics*, 21(3):265–275, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kendall:1980:SS

- [1010] K. Kendall. Sticky solids. *Contemporary Physics*, 21(3):277–297, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Burcham:1980:MP

- [1011] W. E. Burcham, F.R.S. The matter of physics. *Contemporary Physics*, 21(3):299–301, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cottrell:1980:EHS

- [1012] Sir Alan Cottrell, F.R.S. Effects of high-speed strain. *Contemporary Physics*, 21(3):301–302, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McCrea:1980:GW

- [1013] W. H. McCrea, F.R.S. Gravitation in waves. *Contemporary Physics*, 21(3):302–305, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vick:1980:NCP

- [1014] Sir Arthur Vick. Need for contemporary physics. *Contemporary Physics*, 21(3):305–308, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Saslaw:1980:LGN

- [1015] William C. Saslaw. A layman's guide to the new universe. *Contemporary Physics*, 21(3):308–310, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1980:BRe

- [1016] Anonymous. Book reviews. *Contemporary Physics*, 21(3):311–322, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1980:SNBc

- [1017] Anonymous. Short notices of books. *Contemporary Physics*, 21(3):323–325, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1980:LBRa

- [1018] Anonymous. List of books received. *Contemporary Physics*, 21(3):327–328, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

French:1980:ICP

- [1019] A. P. French. The international commission on physics education. *Contemporary Physics*, 21(4):331–344, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hall:1980:ACD

- [1020] E. T. Hall. Advances in carbon dating using high energy mass spectrometers. *Contemporary Physics*, 21(4):345–358, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kopal:1980:PES

- [1021] Zdeněk Kopal. Planetary exploration by spacecraft. *Contemporary Physics*, 21(4):359–380, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:1980:AVJ

- [1022] B. J. Mason. The atmospheres of Venus and Jupiter. *Contemporary Physics*, 21(4):381–399, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Welford:1980:LSS

- [1023] W. T. Welford. Laser speckle and surface roughness. *Contemporary Physics*, 21(4):401–412, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1980:BRf

- [1024] Anonymous. Book reviews. *Contemporary Physics*, 21(4):413–424, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1980:LBRb

- [1025] Anonymous. List of books received. *Contemporary Physics*, 21(4):425–426, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chandrasekhar:1980:GTR

- [1026] S. Chandrasekhar. The general theory of relativity: The first thirty years. *Contemporary Physics*, 21(5):429–449, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hayes:1980:STE

- [1027] W. Hayes. Self-trapping of electronic excitations and radiolysis of ionic solids. *Contemporary Physics*, 21(5):451–461, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Schuurmans:1980:FAN

- [1028] M. F. H. Schuurmans. The fluorescence of atoms near a glass surface. *Contemporary Physics*, 21(5):463–482, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lynn:1980:HNH

- [1029] J. E. Lynn. Helios: The new Harwell electron linear accelerator, and its scientific programme. *Contemporary Physics*, 21(5):483–500, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nicholas:1980:QTS

- [1030] R. J. Nicholas. Quantum transport in semiconductors. *Contemporary Physics*, 21(5):501–521, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1980:BRg

- [1031] Anonymous. Book reviews. *Contemporary Physics*, 21(5):523–533, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1980:SNBd

- [1032] Anonymous. Short notices of books. *Contemporary Physics*, 21(5):533–535, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1980:BRh

- [1033] Anonymous. Books received. *Contemporary Physics*, 21(5):536, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vick:1980:DKM

- [1034] Arthur Vick. Dr. Kurt Mendelssohn, F.R.S. *Contemporary Physics*, 21(6):539–540, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Svanberg:1980:LPA

- [1035] S. Svanberg. Lasers as probes for air and sea. *Contemporary Physics*, 21(6):541–576, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Domb:1980:PC

- [1036] C. Domb, E. Stoll, and T. Schneider. Percolation clusters. *Contemporary Physics*, 21(6):577–592, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hammersley:1980:PTR

- [1037] J. M. Hammersley and D. J. A. Welsh. Percolation theory and its ramifications. *Contemporary Physics*, 21(6):593–605, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Petley:1980:US

- [1038] B. W. Petley. The ubiquitous SQUID. *Contemporary Physics*, 21(6):607–630, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:1980:ERU

- [1039] K. F. Smith. Essay review: Ultra-cold neutrons. *Contemporary Physics*, 21(6):631–650, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Casimir:1980:ERP

- [1040] H. B. G. Casimir. Essay review: *Peter Kapitza*, by H. B. G. Casimir. *Contemporary Physics*, 21(6):651–653, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gowing:1980:AW

- [1041] Margaret Gowing. Atoms of war. *Contemporary Physics*, 21(6):653–656, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:1980:LD

- [1042] Charles A. Taylor. Light delight. *Contemporary Physics*, 21(6):656–657, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1980:BRi

- [1043] Anonymous. Book reviews. *Contemporary Physics*, 21(6):659–665, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1980:BRj

- [1044] Anonymous. Books received. *Contemporary Physics*, 21(6):667–668, 1980. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cosslett:1981:DEMa

- [1045] V. E. Cosslett. The development of electron microscopy and related techniques at the Cavendish Laboratory, Cambridge, 1946–79 part 1 1946–

60. *Contemporary Physics*, 22(1):3–36, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Swift:1981:ED

- [1046] D. A. Swift. The electrical discharge. *Contemporary Physics*, 22(1):37–60, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Carroll:1981:LPP

- [1047] P. K. Carroll and E. T. Kennedy. Laser-produced plasmas. *Contemporary Physics*, 22(1):61–96, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bowlit:1981:URM

- [1048] C. Bowlit. The use of radioisotopes in medical diagnosis. *Contemporary Physics*, 22(1):97–115, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bhattacharyya:1981:TSM

- [1049] Anjan Bhattacharyya. A tunnelling-state model for the specific heat capacity and thermal conductivity of amorphous materials at low temperatures. *Contemporary Physics*, 22(1):117–127, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Penkett:1981:SA

- [1050] Dr. S. A. Penkett. Something in the air. *Contemporary Physics*, 22(1):129–130, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1981:BRa

- [1051] Anonymous. Book reviews. *Contemporary Physics*, 22(1):131–141, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1981:BRb

- [1052] Anonymous. Books received. *Contemporary Physics*, 22(1):143, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cosslett:1981:DEMb

- [1053] V. E. Cosslett. The development of electron microscopy and related techniques at the Cavendish Laboratory, Cambridge, 1946–79 (part II). *Contemporary Physics*, 22(2):147–182, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wilson:1981:DCL

- [1054] E. J. N. Wilson. The design and commissioning of large particle accelerators. *Contemporary Physics*, 22(2):183–213, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tabor:1981:SST

- [1055] David Tabor. Solid surfaces: Their atomic, electronic and macroscopic properties. *Contemporary Physics*, 22(2):215–234, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Goldsmith:1981:OS

- [1056] J. E. M. Goldsmith and J. E. Lawler. Optogalvanic spectroscopy. *Contemporary Physics*, 22(2):235–248, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mott:1981:ERE

- [1057] Sir Nevill Mott. Essay review: *Electrons at the Fermi surface*. *A Festschrift to honour Professor David Shoenberg*, edited by M. Springford. *Contemporary Physics*, 22(2):249–250, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barlow:1981:AS

- [1058] Boris V. Barlow. The art of sensorship. *Contemporary Physics*, 22(2):250–252, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Carr:1981:WWG

- [1059] B. J. Carr. A weight-watcher's guide to the galaxy. *Contemporary Physics*, 22(2):252–254, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1981:BRc

- [1060] Anonymous. Book reviews. *Contemporary Physics*, 22(2):255–258, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1981:SNBa

- [1061] Anonymous. Short notices of books. *Contemporary Physics*, 22(2):259, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1981:BRd

- [1062] Anonymous. Books received. *Contemporary Physics*, 22(2):261, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pease:1981:EBL

- [1063] R. F. W. Pease. Electron beam lithography. *Contemporary Physics*, 22(3):265–290, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Landshoff:1981:LEP

- [1064] Peter Landshoff. The large electron positron collider (LEP) for particle physics. *Contemporary Physics*, 22(3):291–298, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Macgillivray:1981:SAM

- [1065] J. C. Macgillivray and M. S. Feld. Superradiance in atoms and molecules. *Contemporary Physics*, 22(3):299–310, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lightenrerg:1981:QC

- [1066] D. B. Lightenrerg. Quantum chromodynamics. *Contemporary Physics*, 22(3):311–334, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blutndell:1981:EHR

- [1067] D. J. Blutndell. Earthquake hazard and risk mitigation. *Contemporary Physics*, 22(3):335–347, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Farmer:1981:ARR

- [1068] F. R. Farmer. The assessment of risk in relation to major hazards, with particular reference to nuclear reactors. *Contemporary Physics*, 22(3):349–360, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hodgson:1981:ERH

- [1069] P. E. Hodgson. Essay review: Heavy ions. *Nuclear Reactions with Heavy Ions*, by Reiner Bass. *Heavy Ion Collisions*, edited by R. Bock. *Deep Inelastic and Fusion Reactions with Heavy Ions*, edited by W. von Oertzen. *Contemporary Physics*, 22(3):361–363, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Davies:1981:CC

- [1070] P. C. W. Davies. On clusters and conferences. *Contemporary Physics*, 22(3):364–366, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1981:BRe

- [1071] Anonymous. Book reviews. *Contemporary Physics*, 22(3):367–370, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1981:BRf

- [1072] Anonymous. Books received. *Contemporary Physics*, 22(3):371–372, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Weisskopf:1981:FCP

- [1073] Victor F. Weisskopf. The formation of Cooper pairs and the nature of superconducting currents. *Contemporary Physics*, 22(4):375–395, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cole:1981:APP

- [1074] G. H. A. Cole. Aspects of the physics of planetary interiors. *Contemporary Physics*, 22(4):397–424, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rochester:1981:CRU

- [1075] G. D. Rochester and K. E. Turver. Cosmic rays of ultra-high energy. *Contemporary Physics*, 22(4):425–450, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nicholson:1981:NSE

- [1076] L. Kay Nicholson. The neutron spin-echo spectrometer: A new high resolution technique in neutron scattering. *Contemporary Physics*, 22(4):451–475, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1981:BRg

- [1077] Anonymous. Book reviews. *Contemporary Physics*, 22(4):477–482, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1981:BRh

- [1078] Anonymous. Books received. *Contemporary Physics*, 22(4):483–484, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Series:1981:TYO

- [1079] G. W. Series. Thirty years of optical pumping. *Contemporary Physics*, 22(5):487–509, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hodgson:1981:NCM

- [1080] P. E. Hodgson. Nuclear charge and matter distributions. *Contemporary Physics*, 22(5):511–532, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:1981:NPA

- [1081] F. Graham Smith. New prospects for astronomy. *Contemporary Physics*, 22(5):533–544, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Allibone:1981:PYS

- [1082] T. E. Allibone. Power in the year 2000. Some reminiscences and forecasts. *Contemporary Physics*, 22(5):545–558, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cole:1981:ERI

- [1083] G. H. A. Cole. Essay review: Inside information. *The Interiors of the Planets*, by A. H. Cook. *Contemporary Physics*, 22(5):559–560, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:1981:SF

- [1084] Dr. B. J. T. Jones. The spacious firmament. *Contemporary Physics*, 22(5):560–562, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gilchrist:1981:WS

- [1085] Dr. A. Gilchrist. A wind in season. *Contemporary Physics*, 22(5):562–564, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1981:BRi

- [1086] Anonymous. Book reviews. *Contemporary Physics*, 22(5):565–589, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1981:SNBb

- [1087] Anonymous. Short notices of books. *Contemporary Physics*, 22(5):590–591, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1981:BRj

- [1088] Anonymous. Books received. *Contemporary Physics*, 22(5):593–594, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Huang:1981:LRM

- [1089] Kun Huang. Lattice relaxation and multiphonon transitions. *Contemporary Physics*, 22(6):599–612, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Johari:1981:SI

- [1090] U. P. Johari. The spectrum of ice. *Contemporary Physics*, 22(6):613–642, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anthes:1981:TCS

- [1091] Richard A. Anthes. Tropical cyclones: Structure, computer simulation models, and operational prediction. *Contemporary Physics*, 22(6):643–680, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gowing:1981:ERO

- [1092] Margaret Gowing. Essay review: Oppenheimer and Los Alamos. *Robert Oppenheimer: Letters and Recollections*, edited by Alice Kimball Smith and Charles Weiner. *J. Robert Oppenheimer, "Shatterer of Worlds"*, by Peter Goodchild. *Reminiscences of Los Alamos, 1943–1945*, edited by Lawrence Badash, Joseph O. Hirschfelder and Herbert P. Broida. *Contemporary Physics*, 22(6):681–686, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Noakes:1981:IR

- [1093] G. R. Noakes. Interpretation and review. *Contemporary Physics*, 22(6):687–689, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1981:BRk

- [1094] Anonymous. Book reviews. *Contemporary Physics*, 22(6):691–703, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1981:BRl

- [1095] Anonymous. Books received. *Contemporary Physics*, 22(6):705–706, 1981. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Frank:1982:SC

- [1096] F. C. Frank. Snow crystals. *Contemporary Physics*, 23(1):3–22, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Panofsky:1982:PSC

- [1097] W. K. H. Panofsky. Particle substructure. A common theme of discovery in this century. *Contemporary Physics*, 23(1):23–44, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barlow:1982:STA

- [1098] Boris V. Barlow. Space for the telescope. An account of NASA's projected space telescope. *Contemporary Physics*, 23(1):45–63, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shanks:1982:PDA

- [1099] Ian A. Shanks. The physics and display applications of liquid crystals. *Contemporary Physics*, 23(1):65–91, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McCrea:1982:ERU

- [1100] W. H. McCrea. Essay review: The universe in a nutshell. *Cosmology*, by Edward R. Harrison. *Contemporary Physics*, 23(1):93–94, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cole:1982:VED

- [1101] G. H. A. Cole. The very earth did shake. *Contemporary Physics*, 23(1):95–96, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1982:BRa

- [1102] Anonymous. Book reviews. *Contemporary Physics*, 23(1):97–107, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1982:BRb

- [1103] Anonymous. Books received. *Contemporary Physics*, 23(1):109–110, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kinchin:1982:NRS

- [1104] G. H. Kinchin. Nuclear reactor safety: Physics and engineering aspects. *Contemporary Physics*, 23(2):113–128, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dose:1982:MH

- [1105] V. Dose. Metastable hydrogen. *Contemporary Physics*, 23(2):129–140, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ford:1982:SG

- [1106] Peter J. Ford. Spin glasses. *Contemporary Physics*, 23(2):141–168, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salomaa:1982:MNI

- [1107] M. Salomaa. The mobility of negative ions in superfluid ^3He . *Contemporary Physics*, 23(2):169–188, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Llewellyn-smith:1982:PPT

- [1108] C. H. Llewellyn-smith. Particle physics theory. *Contemporary Physics*, 23(2):189–190, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1982:BRc

- [1109] Anonymous. Book reviews. *Contemporary Physics*, 23(2):191–202, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1982:BRd

- [1110] Anonymous. Books received. *Contemporary Physics*, 23(2):203–204, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Radhakrishnan:1982:NP

- [1111] V. Radhakrishnan. On the nature of pulsars. *Contemporary Physics*, 23(3):207–231, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Geddes:1982:CRA

- [1112] J. Geddes. Chemical reactions of atoms with molecules in colliding beams. *Contemporary Physics*, 23(3):233–255, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hughes:1982:C

- [1113] David W. Hughes. Comets. *Contemporary Physics*, 23(3):257–283, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gibson:1982:LCF

- [1114] A. F. Gibson. Lasers for compression and fusion. *Contemporary Physics*, 23(3):285–297, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1982:BRe

- [1115] Anonymous. Book reviews. *Contemporary Physics*, 23(3):299–306, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1982:BRf

- [1116] Anonymous. Books received. *Contemporary Physics*, 23(3):307–308, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:1982:PRY

- [1117] B. J. Mason. Personal reflections on 35 years of cloud seeding. *Contemporary Physics*, 23(4):311–327, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Williams:1982:SBP

- [1118] R. H. Williams. The Schottky barrier problem. *Contemporary Physics*, 23(4):329–351, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Conlon:1982:DSR

- [1119] T. W. Conlon. Doping surfaces with radioactive atoms — for research and industry. *Contemporary Physics*, 23(4):353–369, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pennycook:1982:HRE

- [1120] S. J. Pennycook. High resolution electron microscopy and microanalysis. *Contemporary Physics*, 23(4):371–400, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1982:ERI

- [1121] Anonymous. Essay review: *The Isotropic Universe*, by D. R. Raine. *Contemporary Physics*, 23(4):401–402, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Davies:1982:TT

- [1122] P. C. W. Davies. Testing the theory. *Contemporary Physics*, 23(4):402–403, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Paton:1982:PN

- [1123] J. E. Paton. The permissiveness of nature. *Contemporary Physics*, 23(4):403–405, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kibble:1982:UU

- [1124] T. W. B. Kibble. The underlying unity. *Contemporary Physics*, 23(4):406–408, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1982:BRg

- [1125] Anonymous. Book reviews. *Contemporary Physics*, 23(4):409–414, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1982:BRh

- [1126] Anonymous. Books received. *Contemporary Physics*, 23(4):415–416, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Webb:1982:TTE

- [1127] D. J. Webb. Tides and tidal energy. *Contemporary Physics*, 23(5):419–442, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishikawa:1982:CMS

- [1128] M. Ishikawa. Can magnetism and superconductivity coexist? *Contemporary Physics*, 23(5):443–468, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hurd:1982:VMO

- [1129] C. M. Hurd. Varieties of magnetic order in solids. *Contemporary Physics*, 23(5):469–493, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hodgson:1982:HIR

- [1130] P. E. Hodgson. Heavy ion reactions. *Contemporary Physics*, 23(5):495–512, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cosslett:1982:ERT

- [1131] V. E. Cosslett. Essay review: Thirty-five years on. *Electron Microscopy and Analysis, 1981*, edited by M. J. Goringe. *Contemporary Physics*, 23(5):513–514, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McCrea:1982:ECG

- [1132] W. H. McCrea. Ether its comings and goings. *Contemporary Physics*, 23(5):515–516, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Joffe:1982:FI

- [1133] A. D. Joffe. Foreign invaders. *Contemporary Physics*, 23(5):517–519, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1982:BRi

- [1134] Anonymous. Book reviews. *Contemporary Physics*, 23(5):521–526, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1982:BRj

- [1135] Anonymous. Books received. *Contemporary Physics*, 23(5):527–528, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McCrea:1982:RSA

- [1136] W. H. McCrea. Recollections of Sir Arthur Eddington O.M., F.R.S., 28 December 1882–22 November 1944. *Contemporary Physics*, 23(6): 531–540, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bacon:1982:NBS

- [1137] G. E. Bacon. Neutron beams for the study of condensed matter: A view of the first half-century. *Contemporary Physics*, 23(6):541–552, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Moriyasu:1982:RGT

- [1138] K. Moriyasu. The renaissance of gauge theory. *Contemporary Physics*, 23(6):553–581, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Friedel:1982:OST

- [1139] J. Friedel and D. Jérôme. Organic superconductors: The $(\text{TMTSF})_2 \text{x}$ family. *Contemporary Physics*, 23(6):583–624, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Series:1982:ERR

- [1140] G. W. Series. Essay review: Recycling radiation. *Dissipative Systems in Quantum Optics*, edited by R. Bonifacio. *Contemporary Physics*, 23(6): 625–626, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1982:BRk

- [1141] Anonymous. Book review. *Contemporary Physics*, 23(6):627–654, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1982:BRl

- [1142] Anonymous. Books received. *Contemporary Physics*, 23(6):655–656, 1982. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hoch:1983:KCE

- [1143] P. K. Hoch. A key concept from the electron theory of metals: history of the Fermi surface 1933–60. *Contemporary Physics*, 24(1):3–23, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pieranski:1983:CC

- [1144] Pawel Pieranski. Colloidal crystals. *Contemporary Physics*, 24(1):25–73, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hill:1983:DBC

- [1145] R. M. Hill and A. K. Jonscher. The dielectric behaviour of condensed matter and its many-body interpretation. *Contemporary Physics*, 24(1):75–110, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wohlfarth:1983:ERH

- [1146] E. P. Wohlfarth. Essay review: High pressure physics. *Physics of Solids under High Pressure*, edited by J. S. Schilling and R. N. Shelton. *Contemporary Physics*, 24(1):111–114, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1983:BRa

- [1147] Anonymous. Book review. *Contemporary Physics*, 24(1):115–123, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1983:BRb

- [1148] Anonymous. Books received. *Contemporary Physics*, 24(1):125–126, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Robson:1983:ESB

- [1149] J. M. Robson. Experimental studies of the beta decay of the neutron: a historical review. *Contemporary Physics*, 24(2):129–141, ??? 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic). URL <http://www.tandfonline.com/doi/abs/10.1080/00107518308210669>.

Spetser:1983:NP

- [1150] D. Spetser. Newton's *Principia*. *Contemporary Physics*, 24(2):143–162, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McCarthy:1983:OME

- [1151] I. E. McCarthy and E. Weigold. Observing the motion of electrons in atoms and molecules. *Contemporary Physics*, 24(2):163–184, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hamzeht:1983:NMO

- [1152] F. M. Hamzeht. Neutrino masses and oscillations. *Contemporary Physics*, 24(2):185–194, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mott:1983:KPP

- [1153] Sir Nevill Mott, F.R.S. From Karl Popper’s ‘postscript’. *Contemporary Physics*, 24(2):195–197, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Paton:1983:AD

- [1154] J. E. Paton. Accident or design? *Contemporary Physics*, 24(2):198–199, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Burcham:1983:NBD

- [1155] W. E. Burcham, F.R.S. Nuclear beta-decay. *Contemporary Physics*, 24(2):199–203, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hoch:1983:BDY

- [1156] Paul Hoch. Bohr’s decisive years. *Contemporary Physics*, 24(2):203–204, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cole:1983:CP

- [1157] G. H. A. Cole. Comparative planetology. *Contemporary Physics*, 24(2):205–206, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1983:BRc

- [1158] Anonymous. Book reviews. *Contemporary Physics*, 24(2):207–216, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1983:BRd

- [1159] Anonymous. Books received. *Contemporary Physics*, 24(2):217–218, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peierls:1983:EDN

- [1160] Rudolf Peierls. The early days of neutrino physics. *Contemporary Physics*, 24(3):221–228, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Challis:1983:PS

- [1161] L. J. Challis. Phonon spectroscopy. *Contemporary Physics*, 24(3):229–250, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hannaford:1983:SSA

- [1162] P. Hannaford. Spectroscopy with sputtered atoms. *Contemporary Physics*, 24(3):251–270, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Forty:1983:SCC

- [1163] A. J. Forty. The structure and chemistry of crystal surfaces. *Contemporary Physics*, 24(3):271–299, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barlow:1983:SF

- [1164] Boris V. Barlow. Space flight. *Contemporary Physics*, 24(3):301–302, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Polkinghorne:1983:ERS

- [1165] Revd. Dr. J. C. Polkinghorne, F.R.S. Essay review: The science and the life of Albert Einstein: *Subtle Is The Lord: the Science and the Life of Albert Einstein*, by A. Pais. *Contemporary Physics*, 24(3):302–305, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishikawa:1983:STC

- [1166] M. Ishikawa. Superconductivity in ternary compounds. *Contemporary Physics*, 24(3):305–307, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1983:BR

- [1167] Anonymous. Book reviews. *Contemporary Physics*, 24(3):309–314, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1983:BRf

- [1168] Anonymous. Books received. *Contemporary Physics*, 24(3):315–316, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blackman:1983:LSH

- [1169] M. Blackman. The lodestone: A survey of the history and the physics. *Contemporary Physics*, 24(4):319–331, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lugiato:1983:OB

- [1170] Luigi A. Lugiato. Optical bistability. *Contemporary Physics*, 24(4):333–371, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

March:1983:QMA

- [1171] N. H. March. Quantum mechanics has accounted for a large part of physics and the whole of chemistry. True or false? *Contemporary Physics*, 24(4):373–387, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobbs:1983:SHT

- [1172] E. Roland Dobbs. Superfluid helium three. *Contemporary Physics*, 24(4):389–413, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1983:BRg

- [1173] Anonymous. Book reviews. *Contemporary Physics*, 24(4):415–422, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1983:BRh

- [1174] Anonymous. Books received. *Contemporary Physics*, 24(4):423–424, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Irvine:1983:CLP

- [1175] J. M. Irvine. The constancy of the laws of physics in the light of prehistoric nuclear reactors. *Contemporary Physics*, 24(5):427–437, September 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic). URL <http://www.tandfonline.com/doi/full/10.1080/00107518308210695>.

Field:1983:HSP

- [1176] J. E. Field. High-speed photography. *Contemporary Physics*, 24(5): 439–459, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Boyd:1983:RLB

- [1177] Ian W. Boyd. A review of laser beam applications for processing silicon. *Contemporary Physics*, 24(5):461–490, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hodgson:1983:EMN

- [1178] P. E. Hodgson. Effective mass in nuclei. *Contemporary Physics*, 24(5): 491–503, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Doust:1983:UP

- [1179] T. A. M. Doust. Ultrafast phenomena. *Contemporary Physics*, 24(5): 505–507, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mott:1983:HR

- [1180] Sir Nevill Mott, F.R.S. Haphazard reality. *Contemporary Physics*, 24(5): 508–509, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mott:1983:MKP

- [1181] Sir Nevill Mott, F.R.S. More from Karl Popper's 'postscript'. *Contemporary Physics*, 24(5):509–510, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Heavens:1983:LTR

- [1182] O. S. Heavens. Longer than red. *Contemporary Physics*, 24(5):510–511, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McCrea:1983:OFU

- [1183] W. H. McCrea, F.R.S. The once and future universe. *Contemporary Physics*, 24(5):511–512, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1983:BRi

- [1184] Anonymous. Book reviews. *Contemporary Physics*, 24(5):513–529, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1983:BRj

- [1185] Anonymous. Books received. *Contemporary Physics*, 24(5):531–532, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rhead:1983:MM

- [1186] G. E. Rhead. Metal monolayers. *Contemporary Physics*, 24(6):535–559, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Enderby:1983:NSS

- [1187] J. E. Enderby. Neutron scattering and the structure of liquids. *Contemporary Physics*, 24(6):561–575, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Potter:1983:DTC

- [1188] A. R. Potter. Digital techniques in communications. *Contemporary Physics*, 24(6):577–589, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Halzen:1983:SMQ

- [1189] Francis Halzen. The search for matter in its quark-gluon phase. *Contemporary Physics*, 24(6):591–622, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Weinstock:1983:NPI

- [1190] Robert Weinstock. Newton's *Principia* and inverse-square orbits. *Contemporary Physics*, 24(6):623–625, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barlow:1983:ERO

- [1191] B. V. Barlow. Essay review: Optical rotation sensors. *Fiber-Optic Rotation Sensors and Related Technologies*, edited by S. Ezekiel and H. J. Arditty. *Contemporary Physics*, 24(6):627–628, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kilmister:1983:TCM

- [1192] C. W. Kilmister. “too complex to model?”. *Contemporary Physics*, 24(6):628–629, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:1983:IO

- [1193] C. A. Taylor. Integrated optics. *Contemporary Physics*, 24(6):629–631, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Casimir:1983:HDQ

- [1194] H. B. G. Casimir. The historical development of quantum theory. *Contemporary Physics*, 24(6):631–634, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1983:BRk

- [1195] Anonymous. Book reviews. *Contemporary Physics*, 24(6):635–638, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1983:BRl

- [1196] Anonymous. Books received. *Contemporary Physics*, 24(6):639–641, 1983. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Series:1984:LS

- [1197] G. W. Series. Laser spectroscopy. *Contemporary Physics*, 25(1):3–29, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kennedy:1984:PIL

- [1198] E. T. Kennedy. Plasmas and intense laser light. *Contemporary Physics*, 25(1):31–58, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Weaire:1984:SCS

- [1199] D. Weaire and N. Rivier. Soap, cells and statistics — random patterns in two dimensions. *Contemporary Physics*, 25(1):59–99, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1984:BRa

- [1200] Anonymous. Book reviews. *Contemporary Physics*, 25(1):101–104, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1984:BRb

- [1201] Anonymous. Books received. *Contemporary Physics*, 25(1):105–106, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Roberts:1984:LBF

- [1202] G. G. Roberts. Langmuir–Blodgett films. *Contemporary Physics*, 25(2):109–128, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nikoonahad:1984:RAH

- [1203] Mehrdad Nikoonahad. Recent advances in high resolution acoustic microscopy. *Contemporary Physics*, 25(2):129–158, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Banna:1984:ESE

- [1204] M. Salim Banna. The electronic structure of the elements from gas-phase X-ray photoelectron spectroscopy. *Contemporary Physics*, 25(2):159–176, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mott:1984:PSH

- [1205] Nevill Mott. Professor Sir Harrie Massey. *Contemporary Physics*, 25(2):177–178, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Burcham:1984:DNR

- [1206] W. E. Burcham, F.R.S. Direct nuclear reactions. *Contemporary Physics*, 25(2):179–183, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Paton:1984:IC

- [1207] J. E. Paton. Initial conditions. *Contemporary Physics*, 25(2):183–186, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1984:BRc

- [1208] Anonymous. Book reviews. *Contemporary Physics*, 25(2):187–206, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1984:BRd

- [1209] Anonymous. Books received. *Contemporary Physics*, 25(2):207–208, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wiser:1984:ERS

- [1210] Nathan Wiser. The electrical resistivity of the simple metals. *Contemporary Physics*, 25(3):211–249, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ourmazd:1984:EPD

- [1211] A. Ourmazd. The electrical properties of dislocations in semiconductors. *Contemporary Physics*, 25(3):251–268, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gubbins:1984:EMF

- [1212] David Gubbins. The Earth's magnetic field. *Contemporary Physics*, 25(3):269–290, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wohlfarth:1984:HFM

- [1213] Professor E. P. Wohlfarth. High field magnetism. *Contemporary Physics*, 25(3):291–294, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rochester:1984:EPP

- [1214] G. D. Rochester. Early particle physics. *Contemporary Physics*, 25(3):294–300, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hammersley:1984:RS

- [1215] J. M. Hammersley, F.R.S. The rough with the smooth. *Contemporary Physics*, 25(3):300–302, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1984:BRe

- [1216] Anonymous. Book reviews. *Contemporary Physics*, 25(3):303–307, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bleaney:1984:MSOa

- [1217] B. Bleaney. Microwave spectroscopy in Oxford: The first decade. Part I: Microwave gas spectroscopy. *Contemporary Physics*, 25(4):315–329,

1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Haines:1984:TP

- [1218] M. G. Haines. Tokamak physics. *Contemporary Physics*, 25(4):331–353, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vessot:1984:TGR

- [1219] Robert F. C. Vessot. Tests of gravitation and relativity. *Contemporary Physics*, 25(4):355–380, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

North:1984:EBM

- [1220] A. C. T. North and J. E. Lydon. The evolution of biological macromolecules. *Contemporary Physics*, 25(4):381–393, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vick:1984:CA

- [1221] Sir Arthur Vick. Cockcroft and the atom. *Contemporary Physics*, 25(4):395–399, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1984:BRf

- [1222] Anonymous. Book reviews. *Contemporary Physics*, 25(4):401–412, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1984:BRg

- [1223] Anonymous. Books received. *Contemporary Physics*, 25(4):413–414, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1984:E

- [1224] Anonymous. Erratum. *Contemporary Physics*, 25(4):415, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bleaney:1984:MSOb

- [1225] B. Bleaney. Microwave spectroscopy in Oxford: The first decade. Part II. Electron magnetic resonance. *Contemporary Physics*, 25(5):419–440, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailes:1984:NI

- [1226] D. R. Bailes and D. I. Bryant. NMR imaging. *Contemporary Physics*, 25(5):441–475, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Foster:1984:CV

- [1227] David H. Foster. Colour vision. *Contemporary Physics*, 25(5):477–497, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Noakes:1984:DS

- [1228] G. R. Noakes. Into the depths of space. *Contemporary Physics*, 25(5):499, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Frs:1984:NSG

- [1229] G. D. Rochester Frs. A non-specialist's guide to particle physics. *Contemporary Physics*, 25(5):500–501, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1984:BRh

- [1230] Anonymous. Book reviews. *Contemporary Physics*, 25(5):503–511, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1984:BRi

- [1231] Anonymous. Books received. *Contemporary Physics*, 25(5):513–514, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Noakes:1984:GE

- [1232] G. R. Noakes. Guest editorial. *Contemporary Physics*, 25(6):517, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Webster:1984:MSM

- [1233] A. S. Webster and M. S. Longair. Millimetre and sub-millimetre astronomy. *Contemporary Physics*, 25(6):519–534, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Berge:1984:RBC

- [1234] P. Bergé and M. Dubois. Rayleigh–Bénard convection. *Contemporary Physics*, 25(6):535–582, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Leggett:1984:SCH

- [1235] A. J. Leggett. Schrödinger's cat and her laboratory cousins. *Contemporary Physics*, 25(6):583–598, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bowden:1984:OP

- [1236] K. F. Bowden. Ocean physics. *Contemporary Physics*, 25(6):599–602, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Yapp:1984:SL

- [1237] W. Brunsdon Yapp. On size and life. *Contemporary Physics*, 25(6):603–606, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1984:BRj

- [1238] Anonymous. Book reviews. *Contemporary Physics*, 25(6):607–616, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1984:BRk

- [1239] Anonymous. Books received. *Contemporary Physics*, 25(6):617–618, 1984. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Eisner:1985:IPB

- [1240] D. A. Eisner and S. C. Wray. Ion pumping in biological membranes. *Contemporary Physics*, 26(1):3–21, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Callaway:1985:LLNa

- [1241] David J. E. Callaway. Lattices for laymen: A non-specialist's introduction to lattice gauge theory part 1. *Contemporary Physics*, 26(1):23–48, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Domb:1985:CPB

- [1242] C. Domb. Critical phenomena: A brief historical survey. *Contemporary Physics*, 26(1):49–72, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Paton:1985:QSF

- [1243] J. E. Paton. From QED to sci-fi solid crud. *Contemporary Physics*, 26(1):73–75, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Woodruff:1985:DIE

- [1244] D. P. Woodruff. Desorption induced by electronic transitions. *Contemporary Physics*, 26(1):76–78, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1985:BRa

- [1245] Anonymous. Book reviews. *Contemporary Physics*, 26(1):79–91, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1985:BRb

- [1246] Anonymous. Books received. *Contemporary Physics*, 26(1):92, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Callaway:1985:LLNb

- [1247] David J. E. Callaway. Lattices for laymen: A non-specialist's introduction to lattice gauge theory part II. *Contemporary Physics*, 26(2):95–123, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Scofield:1985:DPN

- [1248] Christopher L. Scofield and Leon N. Cooper. Development and properties of neural networks. *Contemporary Physics*, 26(2):125–145, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kessler:1985:COC

- [1249] John O. Kessler. Co-operative and concentrative phenomena of swimming micro-organisms. *Contemporary Physics*, 26(2):147–166, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Charap:1985:QTG

- [1250] Professor J. M. Charap. Quantum theory of gravity. *Contemporary Physics*, 26(2):167–168, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Webster:1985:CW

- [1251] Charles Webster. Christopher Wren. *Contemporary Physics*, 26(2):169–170, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1985:BRc

- [1252] Anonymous. Book reviews. *Contemporary Physics*, 26(2):171–197, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1985:BRd

- [1253] Anonymous. Books received. *Contemporary Physics*, 26(2):199–200, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Matt:1985:ENC

- [1254] Nevill Matt. Electrons in non-crystalline materials. The last twenty five years. *Contemporary Physics*, 26(3):203–215, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kalmus:1985:ETP

- [1255] P. I. P. Kalmus. Experimental techniques in particle physics. *Contemporary Physics*, 26(3):217–239, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Werth:1985:TI

- [1256] G. Werth. Trapped ions. *Contemporary Physics*, 26(3):241–256, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pepper:1985:LQS

- [1257] M. Pepper. Localization and quantization in silicon inversion layers. *Contemporary Physics*, 26(3):257–293, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gough:1985:PV

- [1258] Dr. W. Gough. The physics of vibration. *Contemporary Physics*, 26(3):295–296, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McCrea:1985:ME

- [1259] W. H. McCrea. Maxwell's equations. *Contemporary Physics*, 26(3):297, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1985:BRe

- [1260] Anonymous. Book reviews. *Contemporary Physics*, 26(3):299–306, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1985:BRf

- [1261] Anonymous. Books received. *Contemporary Physics*, 26(3):307–308, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stedman:1985:RIT

- [1262] G. E. Stedman. Ring interferometric tests of classical and quantum gravity. *Contemporary Physics*, 26(4):311–332, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Aitchison:1985:NPV

- [1263] I. J. R. Aitchison. Nothing's plenty the vacuum in modern quantum field theory. *Contemporary Physics*, 26(4):333–391, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mccrea:1985:CEB

- [1264] W. H. Mccrea. Chandrasekhar on Eddington and on black holes. *Contemporary Physics*, 26(4):393–396, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barbour:1985:ERG

- [1265] Dr. Julian Barbour. Essay review: Galileo, free fall, and the law of inertia. *From Falling Bodies to Radio Waves: Classical Physicists and their Discoveries*, by Emilio Segrè. *Contemporary Physics*, 26(4):397–405, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1985:BRg

- [1266] Anonymous. Book reviews. *Contemporary Physics*, 26(4):407–414, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1985:BRh

- [1267] Anonymous. Books received. *Contemporary Physics*, 26(4):415–417, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1985:CP

- [1268] Anonymous. Conducting polymers. *Contemporary Physics*, 26(5):419–420, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hayes:1985:CP

- [1269] W. Hayes. Conducting polymers. *Contemporary Physics*, 26(5):421–441, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Camparo:1985:DLA

- [1270] J. C. Camparo. The diode laser in atomic physics. *Contemporary Physics*, 26(5):443–477, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pappu:1985:ISU

- [1271] S. V. Pappu. Information storage using alkali halide crystals. *Contemporary Physics*, 26(5):479–497, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:1985:OPI

- [1272] Professor Charles Taylor. The optical papers of Isaac Newton. *Contemporary Physics*, 26(5):499–501, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McCrea:1985:UNS

- [1273] Sir William McCrea. Under Newton's shadow. *Contemporary Physics*, 26(5):503–504, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1985:BRi

- [1274] Anonymous. Book reviews. *Contemporary Physics*, 26(5):505–515, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1985:BRj

- [1275] Anonymous. Books received. *Contemporary Physics*, 26(5):517–518, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Conlon:1985:NPM

- [1276] T. W. Conlon. Nuclear physics for materials technology accelerator based methods? *Contemporary Physics*, 26(6):521–558, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rieder:1985:SIA

- [1277] K. H. Rieder. Surface investigations with atomic beams. *Contemporary Physics*, 26(6):559–578, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Venkataraman:1985:CSA

- [1278] G. Venkataraman and Debendranath Sahoo. Curved space and amorphous structures. Part I. Geometric models. *Contemporary Physics*, 26(6):579–615, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Irvine:1985:KPP

- [1279] Professor J. M. Irvine. Key problems in physics and astrophysics. *Contemporary Physics*, 26(6):617–620, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1985:BRk

- [1280] Anonymous. Book reviews. *Contemporary Physics*, 26(6):621–630, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1985:BRl

- [1281] Anonymous. Books received. *Contemporary Physics*, 26(6):631–632, 1985. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Venkataraman:1986:CSA

- [1282] G. Venkataraman and Debendranath Sahoo. Curved space and amorphous structures. Part II. Gauge theories. *Contemporary Physics*, 27(1):3–35, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gill:1986:CDW

- [1283] J. C. Gill and H. H. Wills. Charge-density wave transport. *Contemporary Physics*, 27(1):37–59, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Woodhouse:1986:PV

- [1284] J. Woodhouse. The physics of the violin. *Contemporary Physics*, 27(1):61–62, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kelly:1986:HES

- [1285] Dr. M. J. Kelly. Hot electrons in semiconductors. *Contemporary Physics*, 27(1):63–67, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1986:BRa

- [1286] Anonymous. Book reviews. *Contemporary Physics*, 27(1):68–86, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1986:BRb

- [1287] Anonymous. Book received. *Contemporary Physics*, 27(1):87–88, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Davis:1986:H

- [1288] D. H. Davis. Hypernuclei. *Contemporary Physics*, 27(2):91–116, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vandersande:1986:TCI

- [1289] J. W. Vandersande and C. Wood. The thermal conductivity of insulators and semiconductors. *Contemporary Physics*, 27(2):117–144, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Duesbery:1986:MPD

- [1290] M. S. Duesbery. The mechanical properties of the dislocation core. *Contemporary Physics*, 27(2):145–168, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Irvine:1986:PDM

- [1291] Professor J. M. Irvine. Physics of dense matter. *Contemporary Physics*, 27(2):169–172, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Yoffe:1986:ODC

- [1292] Dr. A. D. Yoffe. One-dimensional compounds. *Contemporary Physics*, 27(2):173–175, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1986:BRc

- [1293] Anonymous. Book reviews. *Contemporary Physics*, 27(2):176–196, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1986:BRd

- [1294] Anonymous. Books received. *Contemporary Physics*, 27(2):197–200, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Margoninski:1986:PDS

- [1295] Y. Margoninski. Photoelectron diffraction and surface science. *Contemporary Physics*, 27(3):203–240, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Townsend:1986:III

- [1296] P. D. Townsend. Ion implantation — an introduction. *Contemporary Physics*, 27(3):241–256, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Atkins:1986:ERC

- [1297] Dr. P. W. Atkins. Entropy in relation to complete knowledge. *Contemporary Physics*, 27(3):257–259, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tuck:1986:DCS

- [1298] Dr. Brian Tuck. Diffusion in crystalline solids. *Contemporary Physics*, 27(3):261–263, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1986:BRe

- [1299] Anonymous. Book reviews. *Contemporary Physics*, 27(3):265–284, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1986:BRf

- [1300] Anonymous. Books received. *Contemporary Physics*, 27(3):285–288, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Watkins:1986:DWB

- [1301] Peter M. Watkins. Discovery of the w and 2 bosons. *Contemporary Physics*, 27(4):291–324, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Longair:1986:UPP

- [1302] M. S. Longair. The universe — present, past and future. *Contemporary Physics*, 27(4):325–343, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rauch:1986:NIT

- [1303] H. Rauch. Neutron interferometric tests of quantum mechanics. *Contemporary Physics*, 27(4):345–360, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:1986:DS

- [1304] Dr. R. C. Smith. Distances in space. *Contemporary Physics*, 27(4):361–362, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:1986:GUT

- [1305] Professor J. C. Taylor. Grand unified theories. *Contemporary Physics*, 27(4):363–365, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1986:BRg

- [1306] Anonymous. Book reviews. *Contemporary Physics*, 27(4):367–388, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1986:BRh

- [1307] Anonymous. Books received. *Contemporary Physics*, 27(4):389–392, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Keldysh:1986:EHL

- [1308] L. V. Keldysh. The electron-hole liquid in semiconductors. *Contemporary Physics*, 27(5):395–428, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Exerowa:1986:HMS

- [1309] D. Exerowa and D. Kashchiev. Hole-mediated stability and permeability of bilayers. *Contemporary Physics*, 27(5):429–461, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:1986:NWP

- [1310] B. J. Mason. Numerical weather prediction. *Contemporary Physics*, 27(5):463–472, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Russell:1986:PS

- [1311] Dr. G. J. Russell. Polycrystalline semiconductors. *Contemporary Physics*, 27(5):473–477, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1986:BRi

- [1312] Anonymous. Book reviews. *Contemporary Physics*, 27(5):479–491, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1986:BRj

- [1313] Anonymous. Books received. *Contemporary Physics*, 27(5):493–496, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Browning:1986:URM

- [1314] K. A. Browning. Uses of radar in meteorology. *Contemporary Physics*, 27(6):499–517, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hayes:1986:P

- [1315] W. Hayes. Premelting. *Contemporary Physics*, 27(6):519–532, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Maher:1986:DFN

- [1316] K. P. Maher and J. F. Malone. Digital fluoroscopy: A new development in medical imaging. *Contemporary Physics*, 27(6):533–552, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bishop:1986:QTF

- [1317] Dr. R. F. Bishop. Quantum theory of finite systems. *Contemporary Physics*, 27(6):553–555, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Colley:1986:QLN

- [1318] Professor D. C. Colley. Quarks and leptons: The new elementary particles? *Contemporary Physics*, 27(6):557–559, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1986:BRk

- [1319] Anonymous. Book reviews. *Contemporary Physics*, 27(6):561–586, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1986:SN

- [1320] Anonymous. Short notices. *Contemporary Physics*, 27(6):587–590, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1986:E

- [1321] Anonymous. Erratum. *Contemporary Physics*, 27(6):591, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1986:BRl

- [1322] Anonymous. Books received. *Contemporary Physics*, 27(6):593–597, 1986. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pendlebury:1987:MB

- [1323] J. M. Pendlebury and K. I. Smith. Molecular beams. *Contemporary Physics*, 28(1):3–32, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Seaborg:1987:SE

- [1324] G. T. Seaborg. Superheavy elements. *Contemporary Physics*, 28(1):33–48, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:1987:WCR

- [1325] B. J. Mason. The world climate research programme. *Contemporary Physics*, 28(1):49–57, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Horan:1987:ONN

- [1326] Paul Horan and Werner Blau. Optical nonlinearity near the bandgap in semiconductors. *Contemporary Physics*, 28(1):59–68, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vick:1987:LS

- [1327] Sir Arthur Vick. A life in science. *Contemporary Physics*, 28(1):69–70, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Riley:1987:WIF

- [1328] Professor N. Riley. Wave interactions and fluid flows. *Contemporary Physics*, 28(1):71–73, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1987:BRa

- [1329] Anonymous. Book reviews. *Contemporary Physics*, 28(1):75–104, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1987:SNa

- [1330] Anonymous. Short notices. *Contemporary Physics*, 28(1):105–108, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1987:BRb

- [1331] Anonymous. Books received. *Contemporary Physics*, 28(1):109–113, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lipson:1987:HC

- [1332] S. G. Lipson. Helium crystals. *Contemporary Physics*, 28(2):117–142, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Coles:1987:HFI

- [1333] B. R. Coles. Heavy-fermion intermetallic compounds. *Contemporary Physics*, 28(2):143–157, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cook:1987:ISL

- [1334] A. H. Cook. The inverse square law of gravitation. *Contemporary Physics*, 28(2):159–175, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:1987:ERS

- [1335] David Bailin. Essay reviews supersymmetry and supergravity. *Contemporary Physics*, 28(2):177–181, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wilson:1987:NPT

- [1336] Professor H. W. Wilson. Nuclear power technology. *Contemporary Physics*, 28(2):183–185, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1987:BRc

- [1337] Anonymous. Book reviews. *Contemporary Physics*, 28(2):187–211, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1987:BRd

- [1338] Anonymous. Books received. *Contemporary Physics*, 28(2):213–216, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gratias:1987:Q

- [1339] Denis Gratias. Quasicrystals. *Contemporary Physics*, 28(3):219–239, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Beling:1987:LEP

- [1340] C. D. Beling and M. Charlton. Low-energy positron beams—origins, developments and applications. *Contemporary Physics*, 28(3):241–266, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Markov:1987:MEG

- [1341] I. Markov and S. Stoyanov. Mechanisms of epitaxial growth. *Contemporary Physics*, 28(3):267–320, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barbour:1987:MPT

- [1342] Dr. Julian B. Barbour. Mach on the principles of the theory of heat. *Contemporary Physics*, 28(3):321–322, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Learner:1987:HDC

- [1343] Dr. R. Learner. Horace Darwin and the Cambridge Scientific Instrument Company. *Contemporary Physics*, 28(3):323–324, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1987:BRe

- [1344] Anonymous. Book reviews. *Contemporary Physics*, 28(3):325–336, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1987:SNb

- [1345] Anonymous. Short notices. *Contemporary Physics*, 28(3):337–341, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1987:BRf

- [1346] Anonymous. Books received. *Contemporary Physics*, 28(3):343–345, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cazabat:1987:HDD

- [1347] Anne-Marie Cazabat. How does a droplet spread? *Contemporary Physics*, 28(4):347–364, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hodgson:1987:SN

- [1348] P. E. Hodgson. Superdeformed nuclei. *Contemporary Physics*, 28(4):365–382, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ferguson:1987:LSA

- [1349] A. I. Ferguson and J. M. Tolchard. Laser spectroscopy of atomic hydrogen. *Contemporary Physics*, 28(4):383–405, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Joanny:1987:PD

- [1350] Dr. Jean François Joanny. Polymer dynamics. *Contemporary Physics*, 28(4):407–410, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barrow:1987:AP

- [1351] Dr. John D. Barrow. An astrophysical primer. *Contemporary Physics*, 28(4):411–412, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1987:BRg

- [1352] Anonymous. Book reviews. *Contemporary Physics*, 28(4):413–434, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1987:SNc

- [1353] Anonymous. Short notices. *Contemporary Physics*, 28(4):433–434, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1987:BRh

- [1354] Anonymous. Books received. *Contemporary Physics*, 28(4):435–438, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Murdin:1987:SLM

- [1355] Paul Murdin. The supernova in the Large Magellanic Cloud. *Contemporary Physics*, 28(5):441–455, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blair:1987:RBG

- [1356] D. G. Blair. Resonant-bar gravitational radiation antennas. *Contemporary Physics*, 28(5):457–475, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jullien:1987:APF

- [1357] R. Jullien. Aggregation phenomena and fractal aggregates. *Contemporary Physics*, 28(5):477–493, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:1987:LSM

- [1358] Dr. David Bailin. The large, the small and the miniscule. *Contemporary Physics*, 28(5):495–499, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jaynes:1987:CRP

- [1359] Professor E. T. Jaynes. Comment on a review by P. W. Atkins. *Contemporary Physics*, 28(5):501–502, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1987:BRi

- [1360] Anonymous. Book reviews. *Contemporary Physics*, 28(5):503–515, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1987:SNd

- [1361] Anonymous. Short notices. *Contemporary Physics*, 28(5):515–516, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1987:BRj

- [1362] Anonymous. Books received. *Contemporary Physics*, 28(5):517–519, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Spain:1987:SHP

- [1363] Ian L. Spain. Semiconductors at high pressure: New physics with the diamond-anvil cell. *Contemporary Physics*, 28(6):523–546, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dugdale:1987:ETM

- [1364] J. S. Dugdale. Electron transport in metallic glasses. *Contemporary Physics*, 28(6):547–572, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bowler:1987:PPC

- [1365] K. C. Bowler and R. D. Kenway. Physics on parallel computers part 1: The new technology. *Contemporary Physics*, 28(6):573–598, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lawrie:1987:PT

- [1366] Dr. I. D. Lawrie. Phase transitions. *Contemporary Physics*, 28(6):599–601, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1987:BRk

- [1367] Anonymous. Book reviews. *Contemporary Physics*, 28(6):603–612, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1987:SNe

- [1368] Anonymous. Short notices. *Contemporary Physics*, 28(6):613, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1987:BRl

- [1369] Anonymous. Books received. *Contemporary Physics*, 28(6):615–616, 1987. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Batchelder:1988:CCC

- [1370] D. N. Batchelder. Colour and chromism of conjugated polymers. *Contemporary Physics*, 29(1):3–31, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bowler:1988:PPC

- [1371] K. C. Bowler and R. D. Kenway. Physics on parallel computers part 2: Applications. *Contemporary Physics*, 29(1):33–55, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Agostini:1988:PEU

- [1372] P. Agostini and G. Petite. Photoelectric effect under strong irradiation. *Contemporary Physics*, 29(1):57–77, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:1988:LDT

- [1373] Professor R. J. Taylor. Light from the depths of time. *Contemporary Physics*, 29(1):79–82, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Olive:1988:US

- [1374] Professor D. Olive. Unravelling superstrings. *Contemporary Physics*, 29(1):83–85, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1988:BRa

- [1375] Anonymous. Book reviews. *Contemporary Physics*, 29(1):87–96, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1988:SNa

- [1376] Anonymous. Short notices. *Contemporary Physics*, 29(1):96–98, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1988:BRb

- [1377] Anonymous. Books received. *Contemporary Physics*, 29(1):99–102, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:1988:LFP

- [1378] Stig Stenholm. Light forces put a handle on the atom: To cool and trap atoms by laser light. *Contemporary Physics*, 29(2):105–123, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashfold:1988:MPM

- [1379] M. N. R. Ashfold and J. D. Prince. Multiphoton processes in molecular gases. *Contemporary Physics*, 29(2):125–157, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:1988:TSN

- [1380] P. F. Smith. Terrestrial searches for new stable particles. *Contemporary Physics*, 29(2):159–186, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hodgson:1988:NP

- [1381] Dr. P. E. Hodgson. Nuclear physics. *Contemporary Physics*, 29(2):187–191, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1988:BRc

- [1382] Anonymous. Book reviews. *Contemporary Physics*, 29(2):193–223, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1988:SNb

- [1383] Anonymous. Short notices. *Contemporary Physics*, 29(2):224–228, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1988:BRd

- [1384] Anonymous. Books received. *Contemporary Physics*, 29(2):229–231, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Henderson:1988:OPT

- [1385] B. Henderson and G. F. Imbusch. Optical processes in tunable transition-metal-ion lasers. *Contemporary Physics*, 29(3):235–272, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Djabourov:1988:AGG

- [1386] Madeleine Djabourov. Architecture of gelatin gels. *Contemporary Physics*, 29(3):273–297, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Leuchs:1988:SQF

- [1387] Gerd Leuchs. Squeezing the quantum fluctuations of light. *Contemporary Physics*, 29(3):299–314, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Aitchison:1988:EB

- [1388] Dr. I. J. R. Aitchison. Either ‘and’ or ‘or’ but not both. *Contemporary Physics*, 29(3):315–320, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1988:BRe

- [1389] Anonymous. Book reviews. *Contemporary Physics*, 29(3):321–334, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1988:BRf

- [1390] Anonymous. Books received. *Contemporary Physics*, 29(3):335–337, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harrison:1988:DIC

- [1391] Robert G. Harrison. Dynamical instabilities and chaos in lasers. *Contemporary Physics*, 29(4):341–371, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Trimble:1988:DMU

- [1392] Virginia Trimble. Dark matter in the universe: Where, what, and why? *Contemporary Physics*, 29(4):373–392, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pippard:1988:IIS

- [1393] A. B. Pippard. The invincible ignorance of science. *Contemporary Physics*, 29(4):393–405, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:1988:QC

- [1394] Professor C. H. Llewellyn Smith. Quantum chromodynamics. *Contemporary Physics*, 29(4):407–409, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Yofe:1988:PS

- [1395] Dr. A. D. Yofe. Physics at surfaces. *Contemporary Physics*, 29(4):411–414, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1988:BRg

- [1396] Anonymous. Book reviews. *Contemporary Physics*, 29(4):415–426, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1988:SNc

- [1397] Anonymous. Short notices. *Contemporary Physics*, 29(4):426–427, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1988:BRh

- [1398] Anonymous. Books received. *Contemporary Physics*, 29(4):429–431, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Land:1988:OAE

- [1399] Michael F. Land. The optics of animal eyes. *Contemporary Physics*, 29(5):435–455, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hodgson:1988:MPN

- [1400] P. E. Hodgson. Multistep processes in nuclear reactions. *Contemporary Physics*, 29(5):457–476, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hartland:1988:QSE

- [1401] A. Hartland. Quantum standards for electrical units. *Contemporary Physics*, 29(5):477–498, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bishop:1988:PIC

- [1402] Dr. R. F. Bishop. Path integrals and condensed matter physics. *Contemporary Physics*, 29(5):499–502, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1988:BRi

- [1403] Anonymous. Book reviews. *Contemporary Physics*, 29(5):503–521, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1988:BRj

- [1404] Anonymous. Books received. *Contemporary Physics*, 29(5):523–524, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chandrasekhar:1988:RDP

- [1405] S. Chandrasekhar. Recent developments in the physics of liquid crystals. *Contemporary Physics*, 29(6):527–558, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Adams:1988:IRA

- [1406] Nigel G. Adams and David Smith. Ionic reactions in atmospheric, interstellar and laboratory plasmas. *Contemporary Physics*, 29(6):559–578, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Leger:1988:EP

- [1407] L. Léger and J. L. Viovy. Entangled polymers. *Contemporary Physics*, 29(6):579–595, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pickering:1988:AC

- [1408] Dr. John Pickering. An anthropic cosmogeny? *Contemporary Physics*, 29(6):597–599, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barton:1988:SMN

- [1409] Dr. G. Barton. Statistical mechanics need not be dull. *Contemporary Physics*, 29(6):601–602, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1988:BRk

- [1410] Anonymous. Book reviews. *Contemporary Physics*, 29(6):603–610, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1988:BRl

- [1411] Anonymous. Books received. *Contemporary Physics*, 29(6):611–612, 1988. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Berry:1989:HGN

- [1412] R. Stephen Berry. How good is Niels Bohr's atomic model? *Contemporary Physics*, 30(1):1–19, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hamilton:1989:ISL

- [1413] M. W. Hamilton. An introduction to stabilized lasers. *Contemporary Physics*, 30(1):21–33, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Williams:1989:PNS

- [1414] W. G. Williams and S. W. Lovesey. Pulsed neutron sources and condensed matter research. *Contemporary Physics*, 30(1):35–53, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lattimer:1989:GCS

- [1415] James M. Lattimer. Gravitational collapse and supernovae. *Contemporary Physics*, 30(1):55–64, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gilmore:1989:GD

- [1416] Gerry Gilmore. Galactic dynamics. *Contemporary Physics*, 30(1):65–67, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1989:BRa

- [1417] Anonymous. Book reviews. *Contemporary Physics*, 30(1):69–74, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1989:BRb

- [1418] Anonymous. Books received. *Contemporary Physics*, 30(1):75–76, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Patchett:1989:XRA

- [1419] B. E. Patchett. X-ray astronomy. *Contemporary Physics*, 30(2):77–88, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dash:1989:SM

- [1420] J. G. Dash. Surface melting. *Contemporary Physics*, 30(2):89–100, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pegg:1989:SNT

- [1421] D. T. Pegg. Some new techniques in nuclear magnetic resonance. *Contemporary Physics*, 30(2):101–112, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Croquette:1989:CPDa

- [1422] Vincent Croquette. Convective pattern dynamics at low Prandtl number: Part I. *Contemporary Physics*, 30(2):113–133, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Davies:1989:BHT

- [1423] P. C. W. Davies. A brief history of time. *Contemporary Physics*, 30(2):135–136, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bishop:1989:SFT

- [1424] R. F. Bishop. Statistical field theory. *Contemporary Physics*, 30(2):137–140, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1989:BRc

- [1425] Anonymous. Book reviews. *Contemporary Physics*, 30(2):141–150, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1989:BRd

- [1426] Anonymous. Books received. *Contemporary Physics*, 30(2):151–152, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Croquette:1989:CPDb

- [1427] Vincent Croquette. Convective pattern dynamics at low Prandtl number: Part II. *Contemporary Physics*, 30(3):153–171, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Martinson:1989:SSS

- [1428] I. Martinson and L. J. Curtis. Spectroscopic studies of the structure of highly ionised atoms. *Contemporary Physics*, 30(3):173–185, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Naumovets:1989:PTT

- [1429] A. G. Naumovets. Phase transitions in two dimensions. *Contemporary Physics*, 30(3):187–201, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Adam:1989:PTG

- [1430] M. Adam and M. Delsanti. Percolation-type growth of branched polymers near gelation threshold. *Contemporary Physics*, 30(3):203–218, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sutton:1989:MTM

- [1431] A. P. Sutton. Modern theory of metals. *Contemporary Physics*, 30(3):219–222, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1989:BRe

- [1432] Anonymous. Book reviews. *Contemporary Physics*, 30(3):223–234, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1989:BRf

- [1433] Anonymous. Books received. *Contemporary Physics*, 30(3):235–236, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:1989:WS

- [1434] D. Bailin. Why superstrings? *Contemporary Physics*, 30(4):237–250, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chernov:1989:FCS

- [1435] A. A. Chernov. Formation of crystals in solutions. *Contemporary Physics*, 30(4):251–276, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Newton:1989:SN

- [1436] J. O. Newton. Spinning nuclei. *Contemporary Physics*, 30(4):277–299, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barton:1989:FSM

- [1437] G. Barton. Foundations of statistical mechanics. *Contemporary Physics*, 30(4):301–302, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Parries:1989:OF

- [1438] M. C. Parries. Optical fibre. *Contemporary Physics*, 30(4):303–304, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1989:BRg

- [1439] Anonymous. Book reviews. *Contemporary Physics*, 30(4):305–317, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1989:BRh

- [1440] Anonymous. Books received. *Contemporary Physics*, 30(4):318–320, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Brock:1989:HOL

- [1441] Joel D. Brock, Robert J. Birgeneau, David Litster, and Amnon Aharony. Hexatic ordering in liquid crystal films. *Contemporary Physics*, 30(5):

321–335, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Townsend:1989:SMD

- [1442] P. D. Townsend and Y. Kirsh. Spectral measurement during thermoluminescence — an essential requirement. *Contemporary Physics*, 30(5):337–354, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hutchinson:1989:TL

- [1443] M. H. R. Hutchinson. Terawatt lasers. *Contemporary Physics*, 30(5):355–365, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gifford:1989:DLI

- [1444] D. Gifford. Dose limits for ionising radiation. *Contemporary Physics*, 30(5):367–376, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:1989:CPR

- [1445] David Bailin. Of conservatives, pragmatists, revolutionaries and cranks. *Contemporary Physics*, 30(5):377–380, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1989:BRi

- [1446] Anonymous. Book reviews. *Contemporary Physics*, 30(5):381–397, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1989:SN

- [1447] Anonymous. Short notices. *Contemporary Physics*, 30(5):397–399, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1989:BRj

- [1448] Anonymous. Books received. *Contemporary Physics*, 30(5):400–402, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salaneck:1989:CDC

- [1449] W. R. Salaneck. Conformational defects in a conducting polymer. *Contemporary Physics*, 30(6):403–416, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:1989:GE

- [1450] B. J. Mason. The greenhouse effect. *Contemporary Physics*, 30(6):417–432, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Backenstoss:1989:AA

- [1451] G. Backenstoss. Antiprotonic atoms. *Contemporary Physics*, 30(6):433–448, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:1989:LAE

- [1452] N. J. Mason. Laser-assisted electron-atom collisions. *Contemporary Physics*, 30(6):449–463, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Burnett:1989:NP

- [1453] K. Burnett. The new physics. *Contemporary Physics*, 30(6):465–466, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barbour:1989:UT

- [1454] J. B. Barbour. Unrolling time. *Contemporary Physics*, 30(6):467–468, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1989:BRk

- [1455] Anonymous. Book reviews. *Contemporary Physics*, 30(6):469–482, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1989:BRl

- [1456] Anonymous. Books received. *Contemporary Physics*, 30(6):483–484, 1989. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Charvolin:1990:CFF

- [1457] Jean Charvolin. Crystals of fluid films. *Contemporary Physics*, 31(1):1–17, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bransden:1990:CEI

- [1458] B. H. Bransden. Charge exchange in ion-atom collisions. *Contemporary Physics*, 31(1):19–33, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bagguley:1990:FRC

- [1459] D. M. S. Bagguley and B. Bleaney. Ferromagnetic resonance at the Clarendon Laboratory, Oxford. A tribute to J. H. E. Griffiths (1908–1981). *Contemporary Physics*, 31(1):35–42, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McCrea:1990:OWM

- [1460] Sir William McCrea. Origin of wave mechanics. *Contemporary Physics*, 31(1):43–48, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Series:1990:JLL

- [1461] G. W. Series. Journey into light. Life and science of C. V. Raman. *Contemporary Physics*, 31(1):49–51, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1990:BRa

- [1462] Anonymous. Book reviews. *Contemporary Physics*, 31(1):53–70, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1990:BRb

- [1463] Anonymous. Books received. *Contemporary Physics*, 31(1):71–72, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vvedensky:1990:QMM

- [1464] D. D. Vvedensky, S. Crampin, M. E. Eberhart, and J. M. Maclaren. Quantum mechanics and mechanical properties: Towards twenty-first century materials. *Contemporary Physics*, 31(2):73–97, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hodgson:1990:ACN

- [1465] P. E. Hodgson. Alpha clustering in nuclei. *Contemporary Physics*, 31(2):99–111, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kaiser:1990:BFUa

- [1466] Nick Kaiser. Bulk flows in the universe: Part 1 — current cosmological theories. *Contemporary Physics*, 31(2):113–125, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rivers:1990:FTF

- [1467] R. J. Rivers. Finite-temperature field theory. *Contemporary Physics*, 31(2):127–128, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Power:1990:DW

- [1468] E. A. Power. Diffusion and waves. *Contemporary Physics*, 31(2):129–130, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bishop:1990:QMP

- [1469] R. F. Bishop. Quantum many-particle systems. *Contemporary Physics*, 31(2):131–134, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1990:BRc

- [1470] Anonymous. Book reviews. *Contemporary Physics*, 31(2):135–145, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1990:BRd

- [1471] Anonymous. Books received. *Contemporary Physics*, 31(2):147–148, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kaiser:1990:BFUb

- [1472] Nick Kaiser. Bulk flows in the universe: Part 2 — observations and implications. *Contemporary Physics*, 31(3):149–163, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milborrow:1990:EW

- [1473] D. J. Milborrow. Energy from the wind. *Contemporary Physics*, 31(3):165–178, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mannella:1990:NND

- [1474] R. Mannella and P. V. E. McClintock. Noise in nonlinear dynamical systems. *Contemporary Physics*, 31(3):179–194, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Joyce:1990:MBE

- [1475] B. A. Joyce. Molecular beam epitaxy-fundamentals and current status. *Contemporary Physics*, 31(3):195–197, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kilmister:1990:ARM

- [1476] C. W. Kilmister. Absolute or relative motion? *Contemporary Physics*, 31(3):199–202, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1990:BRe

- [1477] Anonymous. Book reviews. *Contemporary Physics*, 31(3):203–215, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1990:BRf

- [1478] Anonymous. Books received. *Contemporary Physics*, 31(3):217–218, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ponomarev:1990:MCF

- [1479] L. I. Ponomarev. Muon catalysed fusion. *Contemporary Physics*, 31(4):219–245, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

She:1990:RMA

- [1480] C. Y. She. Remote measurement of atmospheric parameters: New applications of physics with lasers. *Contemporary Physics*, 31(4):247–260, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Weise:1990:PCP

- [1481] W. Weise. The pion as a composite particle. *Contemporary Physics*, 31(4):261–270, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:1990:HST

- [1482] Sir Francis Graham Smith. The Hubble Space Telescope. *Contemporary Physics*, 31(4):271–272, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wallace:1990:SFT

- [1483] D. J. Wallace. Statistical field theory. Volumes 1 and 2. *Contemporary Physics*, 31(4):273–274, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1990:BRg

- [1484] Anonymous. Book reviews. *Contemporary Physics*, 31(4):275–290, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1990:BRh

- [1485] Anonymous. Books received. *Contemporary Physics*, 31(4):291–293, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hodgson:1990:UNO

- [1486] P. E. Hodgson. The unification of the nuclear optical potential. *Contemporary Physics*, 31(5):295–308, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bjornholm:1990:CCM

- [1487] S. Bjørnholm. Clusters, condensed matter in embryonic form. *Contemporary Physics*, 31(5):309–324, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kenway:1990:PSH

- [1488] R. D. Kenway. Particles from scratch: The hadron spectrum from lattice gauge theory. *Contemporary Physics*, 31(5):325–333, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Parker:1990:DFT

- [1489] T. J. Parker. Dispersive Fourier transform spectroscopy. *Contemporary Physics*, 31(5):335–353, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lawrie:1990:UU

- [1490] I. D. Lawrie. Unification and universality. *Contemporary Physics*, 31(5):355–359, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1990:BRi

- [1491] Anonymous. Book reviews. *Contemporary Physics*, 31(5):361–368, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1990:SNa

- [1492] Anonymous. Short notices. *Contemporary Physics*, 31(5):368–369, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1990:BRj

- [1493] Anonymous. Books received. *Contemporary Physics*, 31(5):371–372, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mott:1990:HTS

- [1494] N. F. Mott. High temperature superconductivity; the spin polaron theory. *Contemporary Physics*, 31(6):373–385, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myers:1990:DCC

- [1495] S. Myers and E. Picasso. The design, construction and commissioning of the CERN large electron–positron collider. *Contemporary Physics*, 31(6):387–403, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Greenland:1990:LIS

- [1496] P. T. Greenland. Laser isotope separation. *Contemporary Physics*, 31(6):405–424, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vick:1990:GRN

- [1497] Arthur Vick. G. R. Noakes (1906–1990). *Contemporary Physics*, 31(6):425, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1990:BRk

- [1498] Anonymous. Book reviews. *Contemporary Physics*, 31(6):427–436, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1990:SNb

- [1499] Anonymous. Short notices. *Contemporary Physics*, 31(6):436–437, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1990:BRl

- [1500] Anonymous. Books received. *Contemporary Physics*, 31(6):439–440, 1990. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chua:1991:NRH

- [1501] Christopher Chua and Kosta Tsipis. Nuclear reactor high-level waste: Origin and safe disposal. *Contemporary Physics*, 32(1):1–9, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shen:1991:STM

- [1502] J. Shen, R. G. Pritchard, and R. E. Thurstans. Scanning tunnelling microscopy. *Contemporary Physics*, 32(1):11–20, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Joyce:1991:MBE

- [1503] B. A. Joyce. Molecular beam epitaxy of semiconductor films — atomic dimension control and the evaluation of crystal growth dynamics. *Contemporary Physics*, 32(1):21–34, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Copeland:1991:FE

- [1504] Ed Copeland. The fifth essence. *Contemporary Physics*, 32(1):35–38, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tayler:1991:U

- [1505] R. J. Tayler. Universe. *Contemporary Physics*, 32(1):39–41, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barton:1991:CYG

- [1506] G. Barton. Can you go there from here? *Contemporary Physics*, 32(1):42–43, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hochheimer:1991:IS

- [1507] H. D. Hochheimer. Ian L. Spain (1940–1990). *Contemporary Physics*, 32(1):45–46, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1991:BRa

- [1508] Anonymous. Book reviews. *Contemporary Physics*, 32(1):47–70, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1991:BRb

- [1509] Anonymous. Books received. *Contemporary Physics*, 32(1):71–72, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Celnikier:1991:PMGa

- [1510] L. M. Celnikier and N. Meyer. A plain man's guide to the cometary environment. *Contemporary Physics*, 32(2):73–88, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smilauer:1991:TMF

- [1511] Pavel Šmilauer. Thin metal films and percolation theory. *Contemporary Physics*, 32(2):89–102, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Trimble:1991:NSB

- [1512] Virginia Trimble. Neutron stars and black holes in binary systems. *Contemporary Physics*, 32(2):103–119, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1991:BRc

- [1513] Anonymous. Book reviews. *Contemporary Physics*, 32(2):121–139, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1991:BRd

- [1514] Anonymous. Books received. *Contemporary Physics*, 32(2):140–142, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mathon:1991:EIG

- [1515] J. Mathon. Exchange interactions and giant magnetoresistance in magnetic multilayers. *Contemporary Physics*, 32(3):143–156, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wilson:1991:AON

- [1516] R. N. Wilson. Active optics and the new technology telescope (NTT): The key to improved optical quality at lower cost in large astronomical telescopes. *Contemporary Physics*, 32(3):157–172, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sambles:1991:OES

- [1517] J. R. Sambles, G. W. Bradbery, and Fuzi Yang. Optical excitation of surface plasmons: An introduction. *Contemporary Physics*, 32(3):173–183, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Alber:1991:LIEa

- [1518] G. Alber and P. Zoller. Laser-induced excitation of electronic Rydberg wave packets. *Contemporary Physics*, 32(3):185–189, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1991:BRe

- [1519] Anonymous. Book reviews. *Contemporary Physics*, 32(3):191–215, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1991:BRf

- [1520] Anonymous. Books received. *Contemporary Physics*, 32(3):216–218, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Aitchison:1991:A

- [1521] I. J. R. Aitchison and N. E. Mavromatos. Anyons. *Contemporary Physics*, 32(4):219–233, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cowley:1991:PEE

- [1522] S. W. H. Cowley. The plasma environment of the Earth. *Contemporary Physics*, 32(4):235–250, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Elliott:1991:DNS

- [1523] S. R. Elliott and R. G. H. Robertson. Detecting neutrinos from the sun. *Contemporary Physics*, 32(4):251–263, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rae:1991:QR

- [1524] Dr. A. I. M. Rae. Quantics rudiments. *Contemporary Physics*, 32(4):265–266, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1991:BRg

- [1525] Anonymous. Book reviews. *Contemporary Physics*, 32(4):267–286, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1991:BRh

- [1526] Anonymous. Books received. *Contemporary Physics*, 32(4):287–289, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wambach:1991:NS

- [1527] J. Wambach. Nuclear sound. *Contemporary Physics*, 32(5):291–303, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Malcolm:1991:DPS

- [1528] G. P. A. Malcolm and A. I. Ferguson. Diode-pumped solid-state lasers. *Contemporary Physics*, 32(5):305–319, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milchev:1991:EPF

- [1529] Alexander Milchev. Electrochemical phase formation on a foreign substrate — basic theoretical concepts and some experimental results. *Contemporary Physics*, 32(5):321–332, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mestel:1991:NSM

- [1530] L. Mestel. Neutron star magnetospheres. *Contemporary Physics*, 32(5):333–334, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barnett:1991:EA

- [1531] S. M. Barnett. Exciting atoms. *Contemporary Physics*, 32(5):335–337, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tilley:1991:SH

- [1532] John Tilley. Superfluid helium 3. *Contemporary Physics*, 32(5):339–340, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1991:BRi

- [1533] Anonymous. Book reviews. *Contemporary Physics*, 32(5):341–362, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1991:BRj

- [1534] Anonymous. Books received. *Contemporary Physics*, 32(5):363–365, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Celnikier:1991:PMGb

- [1535] L. M. Celnikier and N. Meyer. A plain man's guide to the cometary environment. *Contemporary Physics*, 32(5):367, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Foot:1991:LCT

- [1536] C. J. Foot. Laser cooling and trapping of atoms. *Contemporary Physics*, 32(6):369–381, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bauer:1991:MS

- [1537] Günther Bauer and Heinz Krenn. Multilayered superstructures. *Contemporary Physics*, 32(6):383–402, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Keyes:1991:LCE

- [1538] Robert W. Keyes. Limits and challenges in electronics. *Contemporary Physics*, 32(6):403–419, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1991:BRk

- [1539] Anonymous. Book reviews. *Contemporary Physics*, 32(6):421–442, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1991:BRl

- [1540] Anonymous. Books received. *Contemporary Physics*, 32(6):443–444, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Alber:1991:LIEb

- [1541] G. Alber and P. Zoller. Laser-induced excitation of electronic Rydberg wave packets. *Contemporary Physics*, 32(6):445, 1991. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hall:1992:MCP

- [1542] G. Hall. Modern charged particle detectors. *Contemporary Physics*, 33(1):1–14, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ginzburg:1992:OAA

- [1543] V. L. Ginzburg. Once again about high-temperature superconductivity. *Contemporary Physics*, 33(1):15–23, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Viovy:1992:PDE

- [1544] Jean Louis Viovy, Thomas Duke, and François Caron. The physics of DNA electrophoresis. *Contemporary Physics*, 33(1):25–40, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lebon:1992:QAA

- [1545] G. Lebon, D. Jou, and J. Casas-Vazquez. Questions and answers about a thermodynamic theory of the third type. *Contemporary Physics*, 33(1):41–51, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Richards:1992:C

- [1546] D. Richards. Chaos. *Contemporary Physics*, 33(1):53–54, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Banks:1992:GS

- [1547] R. Banks. Geological structures. *Contemporary Physics*, 33(1):55–56, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1992:BRa

- [1548] Anonymous. Book reviews. *Contemporary Physics*, 33(1):57–78, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1992:BRb

- [1549] Anonymous. Books received. *Contemporary Physics*, 33(1):79–80, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hewett:1992:GLN

- [1550] P. C. Hewett. Gravitational lensing as a new cosmological tool. *Contemporary Physics*, 33(2):81–90, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dogiel:1992:GRA

- [1551] V. A. Dogiel. Gamma-ray astronomy. *Contemporary Physics*, 33(2):91–109, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Challis:1992:PLT

- [1552] L. J. Challis. Physics in less than three dimensions. *Contemporary Physics*, 33(2):111–127, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Richards:1992:M

- [1553] D. Richards. Mechanics. *Contemporary Physics*, 33(2):129–130, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Thompson:1992:TNS

- [1554] R. C. Thompson. Time for new standards? *Contemporary Physics*, 33(2):131–134, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Copeland:1992:MC

- [1555] E. Copeland. Modern cosmology. *Contemporary Physics*, 33(2):135–136, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1992:BRc

- [1556] Anonymous. Book reviews. *Contemporary Physics*, 33(2):137–159, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1992:BRd

- [1557] Anonymous. Books received. *Contemporary Physics*, 33(2):160–161, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1992:E

- [1558] Anonymous. Editorial. *Contemporary Physics*, 33(3):163, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Graham-Smith:1992:BMP

- [1559] Francis Graham-Smith. The binary and millisecond pulsars. *Contemporary Physics*, 33(3):165–173, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lucas:1992:TRH

- [1560] J. S. Lucas. Technology review: High hopes carried in orbit. *Contemporary Physics*, 33(3):175–176, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:1992:SS

- [1561] F. W. Taylor. Of seaweed and sunsets. *Contemporary Physics*, 33(3):177–179, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Squires:1992:ERC

- [1562] E. Squires. Essay review: *Cosmogenesis — The Growth of Order in the Universe*, by D. Lazer. ISBN 0-19-506908-0. *Contemporary Physics*, 33(3):181–184, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Steer:1992:SM

- [1563] W. S. Steer. Scanning microscopy. *Contemporary Physics*, 33(3):185–186, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gibbons:1992:TT

- [1564] G. W. Gibbons. Twistor theory. *Contemporary Physics*, 33(3):187–188, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lucas:1992:PA

- [1565] J. S. Lucas. Physics for all. *Contemporary Physics*, 33(3):189–190, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Paton:1992:UFT

- [1566] J. Paton. Unifying field theory. *Contemporary Physics*, 33(3):191–195, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1992:BRe

- [1567] Anonymous. Book reviews. *Contemporary Physics*, 33(3):197–218, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1992:BRf

- [1568] Anonymous. Books received. *Contemporary Physics*, 33(3):219–220, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peierls:1992:BSD

- [1569] R. Peierls. Broken symmetries: (Dirac memorial lecture, Cambridge, 15 June 1992). *Contemporary Physics*, 33(4):221–226, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:1992:SCN

- [1570] B. J. Mason. Snow crystals, natural and man made. *Contemporary Physics*, 33(4):227–243, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Evesque:1992:SDP

- [1571] P. Evesque. Shaking dry powders and grains. *Contemporary Physics*, 33(4):245–261, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:1992:RSS

- [1572] F. W. Taylor. Remote sensing of the solar system. *Contemporary Physics*, 33(4):263–266, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hodgson:1992:NP

- [1573] P. E. Hodgson. Nuclear physics. *Contemporary Physics*, 33(4):267–270, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Garrett:1992:E

- [1574] A. J. M. Garrett. Entropy. *Contemporary Physics*, 33(4):271–274, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Farid:1992:GB

- [1575] B. Farid. From groups to bands. *Contemporary Physics*, 33(4):275–277, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1992:BRg

- [1576] Anonymous. Book reviews. *Contemporary Physics*, 33(4):279–301, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1992:BRh

- [1577] Anonymous. Books received. *Contemporary Physics*, 33(4):303–304, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Abragam:1992:NFA

- [1578] Anatole Abragam. Nuclear ferromagnetism and ant ferromagnetism. *Contemporary Physics*, 33(5):305–312, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milonni:1992:CF

- [1579] Peter W. Milonni and Mei-Li Shih. Casimir forces. *Contemporary Physics*, 33(5):313–322, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Caplin:1992:HC

- [1580] D. Caplin. High T_c chemistry. *Contemporary Physics*, 33(5):323, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Richards:1992:MM

- [1581] D. Richards. Motion and mechanics. *Contemporary Physics*, 33(5):325, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Guy:1992:BMF

- [1582] C. Guy. Biology and magnetic fields. *Contemporary Physics*, 33(5):327–328, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jordan:1992:SP

- [1583] C. Jordan. Solar physics. *Contemporary Physics*, 33(5):329–330, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Russell:1992:W

- [1584] P. St. J. Russell. Waveguides. *Contemporary Physics*, 33(5):331–333, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1992:BRi

- [1585] Anonymous. Book reviews. *Contemporary Physics*, 33(5):335–353, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1992:BRj

- [1586] Anonymous. Books received. *Contemporary Physics*, 33(5):355–356, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Davies:1992:IAU

- [1587] J. K. Davies. Infrared astronomy from the UK infrared telescope. *Contemporary Physics*, 33(6):357–368, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Whall:1992:PMG

- [1588] T. E. Whall. A plain man's guide to delta-doped semiconductors. *Contemporary Physics*, 33(6):369–381, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cowley:1992:SPP

- [1589] S. W. H. Cowley. Space plasma physics. *Contemporary Physics*, 33(6):383–384, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Firth:1992:EM

- [1590] I. M. Firth. Exploring music. *Contemporary Physics*, 33(6):385–387, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lucas:1992:MP

- [1591] J. S. Lucas. Massively parallel. *Contemporary Physics*, 33(6):389–392, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1992:BRk

- [1592] Anonymous. Book reviews. *Contemporary Physics*, 33(6):393–408, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1992:BRl

- [1593] Anonymous. Books received. *Contemporary Physics*, 33(6):409–410, 1992. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ironside:1993:UFA

- [1594] C. N. Ironside. Ultra-fast all-optical switching. *Contemporary Physics*, 34(1):1–18, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:1993:ROG

- [1595] B. J. Mason. Role of the oceans in global climate. *Contemporary Physics*, 34(1):19–30, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Henshaw:1993:REH

- [1596] D. L. Henshaw. Radon exposure in the home: Its occurrence and possible health effects. *Contemporary Physics*, 34(1):31–48, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

New:1993:CP

- [1597] G. H. C. New. Is creation purposeless. *Contemporary Physics*, 34(1):49–51, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1993:BRa

- [1598] Anonymous. Book reviews. *Contemporary Physics*, 34(1):53–65, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1993:BRb

- [1599] Anonymous. Books received. *Contemporary Physics*, 34(1):67–68, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kane:1993:PGS

- [1600] G. L. Kane. Physics goals of the superconducting supercollider (SSC). *Contemporary Physics*, 34(2):69–78, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ross:1993:TE

- [1601] G. G. Ross. A ‘theory of everything’? *Contemporary Physics*, 34(2):79–88, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Matthew:1993:SQA

- [1602] J. A. D. Matthew. Some quasi-atomic effects in the solid state. *Contemporary Physics*, 34(2):89–98, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kibble:1993:FT

- [1603] Tom Kibble. The final theory. *Contemporary Physics*, 34(2):99–101, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1993:BRc

- [1604] Anonymous. Book reviews. *Contemporary Physics*, 34(2):103–115, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1993:BRd

- [1605] Anonymous. Books received. *Contemporary Physics*, 34(2):117–118, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rempe:1993:AOC

- [1606] Gerhard Rempe. Atoms in an optical cavity: Quantum electrodynamics in confined space. *Contemporary Physics*, 34(3):119–129, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Beskin:1993:SRP

- [1607] V. S. Beskin. Spin-down of radio pulsars. *Contemporary Physics*, 34(3):131–145, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Satterthwaite:1993:AD

- [1608] G. E. Satterthwaite. Astronomical discovery. *Contemporary Physics*, 34(3):147–150, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Caplin:1993:S

- [1609] A. D. Caplin. Superconductivity. *Contemporary Physics*, 34(3):151–152, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Thompson:1993:MM

- [1610] R. C. Thompson. Modern metrology. *Contemporary Physics*, 34(3):153–155, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1993:BRe

- [1611] Anonymous. Book reviews. *Contemporary Physics*, 34(3):157–173, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1993:SN

- [1612] Anonymous. Short notices. *Contemporary Physics*, 34(3):173–174, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1993:BRf

- [1613] Anonymous. Book received. *Contemporary Physics*, 34(3):175–176, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hughes:1993:EP

- [1614] R. J. Hughes. The equivalence principle. *Contemporary Physics*, 34(4):177–191, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

White:1993:STE

- [1615] G. K. White. Solids: Thermal expansion and contraction. *Contemporary Physics*, 34(4):193–204, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:1993:HS

- [1616] F. W. Taylor. A history of science. *Contemporary Physics*, 34(4):205–207, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Liddle:1993:MC

- [1617] A. R. Liddle. Modern cosmology. *Contemporary Physics*, 34(4):209–211, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:1993:CB

- [1618] P. V. E. McClintock. Chaos for beginners. *Contemporary Physics*, 34(4):213–214, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1993:BRg

- [1619] Anonymous. Book reviews. *Contemporary Physics*, 34(4):215–232, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1993:BRh

- [1620] Anonymous. Books received. *Contemporary Physics*, 34(4):233–234, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mandel:1993:LIU

- [1621] Paul Mandel. Lasing without inversion: A useful concept? *Contemporary Physics*, 34(5):235–246, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ben-Jacob:1993:SFG

- [1622] Eshel Ben-Jacob. From snowflake formation to growth of bacterial colonies Part I. Diffusive patterning in azoic systems. *Contemporary Physics*, 34(5):247–273, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Elitzur:1993:OL

- [1623] A. C. Elitzur. The origin of life. *Contemporary Physics*, 34(5):275–278, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hassard:1993:NF

- [1624] J. Hassard. Nuclear fixes. *Contemporary Physics*, 34(5):279–280, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1993:BRi

- [1625] Anonymous. Book review. *Contemporary Physics*, 34(5):281–294, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1993:BRj

- [1626] Anonymous. Books received. *Contemporary Physics*, 34(5):295–296, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smilansky:1993:HSD

- [1627] U. Smilansky. On hearing the shape of a drum, and related problems. *Contemporary Physics*, 34(6):297–302, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Copeland:1993:IAC

- [1628] Edmund J. Copeland. Inflation after the cosmic background explorer (COBE). *Contemporary Physics*, 34(6):303–316, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Thompson:1993:AIE

- [1629] S. P. Thompson. The 2175 Å interstellar extinction feature. *Contemporary Physics*, 34(6):317–327, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Squires:1993:CQW

- [1630] E. J. Squires. Consciousness in the quantum world. *Contemporary Physics*, 34(6):329–331, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ryder:1993:GRC

- [1631] L. H. Ryder. General relativity comes of age. *Contemporary Physics*, 34(6):333–336, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1993:BRk

- [1632] Anonymous. Book reviews. *Contemporary Physics*, 34(6):337–358, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1993:BRl

- [1633] Anonymous. Books received. *Contemporary Physics*, 34(6):359–360, 1993. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Adams:1994:AO

- [1634] C. S. Adams. Atom optics. *Contemporary Physics*, 35(1):1–19, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shi:1994:MSM

- [1635] Shu Shi. Molecular structures, macroscopic nonlinear optical effects, and photonic devices. *Contemporary Physics*, 35(1):21–36, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kenway:1994:VRS

- [1636] R. D. Kenway. Virtual-reality science. *Contemporary Physics*, 35(1):37–39, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Copeland:1994:DMU

- [1637] E. Copeland. Dark matter in the universe. *Contemporary Physics*, 35(1):41–43, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1994:BRa

- [1638] Anonymous. Book reviews. *Contemporary Physics*, 35(1):45–72, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1994:BRb

- [1639] Anonymous. Books received. *Contemporary Physics*, 35(1):73–74, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hughes:1994:CA

- [1640] David W. Hughes. Comets and asteroids. *Contemporary Physics*, 35(2):75–93, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Broglia:1994:CMC

- [1641] R. A. Broglia. The colour of metal clusters and of atomic nuclei. *Contemporary Physics*, 35(2):95–104, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tennyson:1994:HFP

- [1642] Jonathan Tennyson and Steven Miller. H_3^+ : from first principles to Jupiter. *Contemporary Physics*, 35(2):105–116, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Keesing:1994:NC

- [1643] R. G. Keesing. Newton in context. *Contemporary Physics*, 35(2):117–118, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wallis:1994:FCS

- [1644] Max K. Wallis. Fallible cometary scientists. *Contemporary Physics*, 35(2):119–122, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1994:BRc

- [1645] Anonymous. Book reviews. *Contemporary Physics*, 35(2):123–147, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1994:BRd

- [1646] Anonymous. Books received. *Contemporary Physics*, 35(2):149–150, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ryder:1994:MAA

- [1647] Lewis H. Ryder. Matter-antimatter asymmetry in the early universe and violation of time reversal symmetry. *Contemporary Physics*, 35(3):151–163, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bryant:1994:EAA

- [1648] Duncan A. Bryant. Electron acceleration in the aurora. *Contemporary Physics*, 35(3):165–179, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mingos:1994:CVC

- [1649] D. Michael P. Mingos. A chemist's view of clusters. *Contemporary Physics*, 35(3):181–189, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Yerozolimsky:1994:FND

- [1650] B. G. Yerozolimsky. Free neutron decay. *Contemporary Physics*, 35(3):191–208, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Greenland:1994:SCF

- [1651] P. T. Greenland. The story of cold fusion. *Contemporary Physics*, 35(3):209–211, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:1994:SC

- [1652] R. C. Smith. The significance of COBE. *Contemporary Physics*, 35(3):213–215, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Power:1994:ERI

- [1653] E. A. Power. Essay review: The insights of John Wheeler. *Contemporary Physics*, 35(3):217–219, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1994:BR

- [1654] Anonymous. Book reviews. *Contemporary Physics*, 35(3):221–228, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1994:BRf

- [1655] Anonymous. Books received. *Contemporary Physics*, 35(3):229–230, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Drury:1994:ACR

- [1656] L. O’C. Drury. Acceleration of cosmic rays. *Contemporary Physics*, 35(4):231–242, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Codling:1994:CES

- [1657] K. Codling and L. J. Frasinski. Coulomb explosion of simple molecules in intense laser fields. *Contemporary Physics*, 35(4):243–255, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Thomas:1994:MPM

- [1658] J. E. Thomas. Measuring the position of moving atoms with uncertainty-principle-limited precision. *Contemporary Physics*, 35(4):257–267, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Williams:1994:CCM

- [1659] David A. Williams. Cosmic chemistry: Molecules in space. *Contemporary Physics*, 35(4):269–283, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:1994:AP

- [1660] D. J. Miller. Accelerator physics. *Contemporary Physics*, 35(4):285–287, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Thompson:1994:CA

- [1661] M. J. Thompson. Conceptual astronomy. *Contemporary Physics*, 35(4):289–290, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1994:BRg

- [1662] Anonymous. Book reviews. *Contemporary Physics*, 35(4):291–308, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1994:BRh

- [1663] Anonymous. Books received. *Contemporary Physics*, 35(4):309–310, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Monteiro:1994:CAP

- [1664] T. S. Monteiro. Chaos in atomic physics. *Contemporary Physics*, 35(5):311–327, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hodgson:1994:NS

- [1665] P. E. Hodgson. Nuclear structure. *Contemporary Physics*, 35(5):329–346, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howson:1994:MTF

- [1666] Mark A. Howson. Magnetism of thin films and multilayers. *Contemporary Physics*, 35(5):347–359, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wherrett:1994:PG

- [1667] B. S. Wherrett. The physics of golf. *Contemporary Physics*, 35(5):361–362, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1994:BRi

- [1668] Anonymous. Book reviews. *Contemporary Physics*, 35(5):363–374, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1994:BRj

- [1669] Anonymous. Books received. *Contemporary Physics*, 35(5):375–376, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McCarthy:1994:EMS

- [1670] I. E. McCarthy and E. Weigold. Electron momentum spectroscopy of solid surfaces. *Contemporary Physics*, 35(6):377–384, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bowlt:1994:ERM

- [1671] C. Bowlt. Environmental radioactivity: Measurements and their meaning. *Contemporary Physics*, 35(6):385–398, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:1994:OMM

- [1672] D. Bailin. One man's myth. *Contemporary Physics*, 35(6):399–405, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

March:1994:LS

- [1673] N. H. March. The liquid state. *Contemporary Physics*, 35(6):407–408, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barnett:1994:BLF

- [1674] Stephen M. Barnett. A backward look at the future. *Contemporary Physics*, 35(6):409–411, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1994:BRk

- [1675] Anonymous. Book reviews. *Contemporary Physics*, 35(6):413–431, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1994:BRl

- [1676] Anonymous. Books received. *Contemporary Physics*, 35(6):433–434, 1994. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Macgillivray:1995:RRL

- [1677] W. R. Macgillivray. The role of resonant laser radiation in completely determining electron-atom collision parameters. *Contemporary Physics*, 36(1):1–14, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:1995:ECI

- [1678] B. W. Shore. Examples of counter-intuitive physics. *Contemporary Physics*, 36(1):15–28, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Albrow:1995:TQ

- [1679] Michael G. Albrow. The top quark. *Contemporary Physics*, 36(1):29–36, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tayler:1995:HU

- [1680] Roger J. Tayler. Helium in the universe. *Contemporary Physics*, 36(1):37–48, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Maartens:1995:SBH

- [1681] R. Maartens. The story of black holes. *Contemporary Physics*, 36(1):49–51, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1995:BRa

- [1682] Anonymous. Book reviews. *Contemporary Physics*, 36(1):53–76, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1995:BRb

- [1683] Anonymous. Books received. *Contemporary Physics*, 36(1):77–78, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Schumacher:1995:CMV

- [1684] R. T. Schumacher and J. Woodhouse. Computer modelling of violin playing. *Contemporary Physics*, 36(2):79–92, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Holstein:1995:ABE

- [1685] Barry R. Holstein. The Aharonov–Bohm effect and variations. *Contemporary Physics*, 36(2):93–102, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hammond:1995:NFG

- [1686] Richard T. Hammond. New fields in general relativity. *Contemporary Physics*, 36(2):103–114, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Griffin:1995:SL

- [1687] M. J. Griffin. Science for the layman. *Contemporary Physics*, 36(2):115–116, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Keesing:1995:NA

- [1688] R. G. Keesing. Newton's alchemy. *Contemporary Physics*, 36(2):117–119, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1995:BRc

- [1689] Anonymous. Book reviews. *Contemporary Physics*, 36(2):121–136, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1995:BRd

- [1690] Anonymous. Books received. *Contemporary Physics*, 36(2):137–138, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wodkiewicz:1995:NLL

- [1691] Krzysztof Wódkiewicz. Non-local and local ghost fields in quantum correlations. *Contemporary Physics*, 36(3):139–147, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hughes:1995:QC

- [1692] Richard J. Hughes, D. M. Alde, P. Dyer, G. G. Luther, G. L. Morgan, and M. Schauer. Quantum cryptography. *Contemporary Physics*, 36(3):149–163, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Phoenix:1995:QCH

- [1693] Simon J. D. Phoenix and Paul D. Townsend. Quantum cryptography: How to beat the code breakers using quantum mechanics. *Contemporary Physics*, 36(3):165–195, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hodgson:1995:UTF

- [1694] P. E. Hodgson. The ultimate technological fix? *Contemporary Physics*, 36(3):197–200, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1995:BRe

- [1695] Anonymous. Book reviews. *Contemporary Physics*, 36(3):201–212, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1995:BRf

- [1696] Anonymous. Books received. *Contemporary Physics*, 36(3):213–214, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harris:1995:LFF

- [1697] Michael Harris. Light-field fluctuations in space and time. *Contemporary Physics*, 36(4):215–233, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Letokhov:1995:LMD

- [1698] V. S. Letokhov. Laser Maxwell's demon. *Contemporary Physics*, 36(4):235–243, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anderson:1995:TOG

- [1699] David L. T. Anderson. The tropical ocean global atmosphere programme. *Contemporary Physics*, 36(4):245–265, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jacobs:1995:EMF

- [1700] J. A. Jacobs. The Earth's magnetic field. *Contemporary Physics*, 36(4):267–277, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1995:BRg

- [1701] Anonymous. Book reviews. *Contemporary Physics*, 36(4):279–295, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1995:BRh

- [1702] Anonymous. Books received. *Contemporary Physics*, 36(4):297–298, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:1995:PCC

- [1703] B. J. Mason. Predictions of climate changes caused by man-made emissions of greenhouse gases: A critical assessment. *Contemporary Physics*, 36(5):299–319, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Waxman:1995:ICA

- [1704] D. Waxman. Impact of computer algebra on physics. *Contemporary Physics*, 36(5):321–327, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kerner:1995:HCU

- [1705] Edward H. Kerner. How certain is the uncertainty principle? *Contemporary Physics*, 36(5):329–334, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Martin:1995:SP

- [1706] A. D. Martin. The structure of the proton. *Contemporary Physics*, 36(5):335–353, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gibbons:1995:KQG

- [1707] G. W. Gibbons. Knots and quantum gravity. *Contemporary Physics*, 36(5):355–356, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ellis:1995:BBB

- [1708] R. S. Ellis. The big bang for beginners. *Contemporary Physics*, 36(5):357, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1995:BRi

- [1709] Anonymous. Book reviews. *Contemporary Physics*, 36(5):359–372, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1995:BRj

- [1710] Anonymous. Books received. *Contemporary Physics*, 36(5):373–374, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Knight:1995:RP

- [1711] Professor P. L. Knight. Rudolf Peierls (1907–1995). *Contemporary Physics*, 36(6):375, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Johnson:1995:ECM

- [1712] Neil F. Johnson. Electron correlations in mesoscopic structures. *Contemporary Physics*, 36(6):377–387, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Willstrop:1995:NDT

- [1713] R. V. Willstrop. New developments in telescope design. *Contemporary Physics*, 36(6):389–410, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ellis:1995:HST

- [1714] R. S. Ellis. Hubble Space Telescope observations of distant galaxies. *Contemporary Physics*, 36(6):411–421, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Annett:1995:US

- [1715] James F. Annett. Unconventional superconductivity. *Contemporary Physics*, 36(6):423–437, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Quenby:1995:RHE

- [1716] J. J. Quenby. The review of high-energy astrophysics. *Contemporary Physics*, 36(6):439–442, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Isenberg:1995:PB

- [1717] Cyril Isenberg. The physics of bubbles. *Contemporary Physics*, 36(6):443–444, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1995:BRk

- [1718] Anonymous. Book reviews. *Contemporary Physics*, 36(6):445–456, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1995:BRl

- [1719] Anonymous. Books received. *Contemporary Physics*, 36(6):457–458, 1995. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Burnett:1996:BEC

- [1720] Keith Burnett. Bose–Einstein condensation with evaporatively cooled atoms. *Contemporary Physics*, 37(1):1–14, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Guy:1996:SRM

- [1721] C. N. Guy. The second revolution in medical imaging. *Contemporary Physics*, 37(1):15–45, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Yerozolimsky:1996:EPN

- [1722] B. G. Yerozolimsky. Electromagnetic properties of the neutron. *Contemporary Physics*, 37(1):47–69, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Close:1996:RNG

- [1723] F. E. Close. Releasing the nuclear genie. *Contemporary Physics*, 37(1):71–73, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1996:BRa

- [1724] Anonymous. Book reviews. *Contemporary Physics*, 37(1):75–91, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1996:BRb

- [1725] Anonymous. Books received. *Contemporary Physics*, 37(1):93–94, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fink:1996:TRA

- [1726] M. Fink. Time reversal in acoustics. *Contemporary Physics*, 37(2):95–109, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fox:1996:OQW

- [1727] A. M. Fox. Optoelectronics in quantum well structures. *Contemporary Physics*, 37(2):111–125, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Watson:1996:HCT

- [1728] Greg Watson. Hall conductance as a topological invariant. *Contemporary Physics*, 37(2):127–143, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Coley:1996:GA

- [1729] D. A. Coley. Genetic algorithms. *Contemporary Physics*, 37(2):145–154, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:1996:CA

- [1730] A. H. Harker. Computer algebra. *Contemporary Physics*, 37(2):155–157, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Copeland:1996:OCD

- [1731] E. J. Copeland. Observing cosmic distances. *Contemporary Physics*, 37(2):159–161, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1996:BRc

- [1732] Anonymous. Book reviews. *Contemporary Physics*, 37(2):163–171, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1996:BRd

- [1733] Anonymous. Books received. *Contemporary Physics*, 37(2):173–174, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wolfenstein:1996:NMP

- [1734] L. Wolfenstein. Neutrino mass in particle physics and astrophysics. *Contemporary Physics*, 37(3):175–182, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bracco:1996:NR

- [1735] A. Bracco, F. Alasia, S. Leoni, E. Vigezz, and R. A. Broglia. Nuclear rotations. *Contemporary Physics*, 37(3):183–204, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wark:1996:TRX

- [1736] Justin Wark. Time-resolved X-ray diffraction. *Contemporary Physics*, 37(3):205–218, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zlmmerrmann:1996:FST

- [1737] W. Zlmmerrmann. The flow of superfluid⁴ he through submicron apertures: Phase slip and critical velocities due to quantum vortex motion.

Contemporary Physics, 37(3):219–234, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fowler:1996:FSS

- [1738] Patrick W. Fowler. Fullerene stability and structure. *Contemporary Physics*, 37(3):235–247, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1996:BRe

- [1739] Anonymous. Book reviews. *Contemporary Physics*, 37(3):249–260, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1996:BRf

- [1740] Anonymous. Books received. *Contemporary Physics*, 37(3):261–262, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hendry:1996:AU

- [1741] Martin A. Hendry and Roger J. Tayler. The age of the universe. *Contemporary Physics*, 37(4):263–281, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

French:1996:USS

- [1742] P. M. W. French. Ultrafast solid-state lasers. *Contemporary Physics*, 37(4):283–301, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Schenzle:1996:IRM

- [1743] Axel Schenzle. Illusion or reality: The measurement process in quantum optics. *Contemporary Physics*, 37(4):303–320, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mousseau:1996:GL

- [1744] Normand Mousseau. The ‘game of life’. *Contemporary Physics*, 37(4):321–323, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Celnikier:1996:SHC

- [1745] L. M. Celnikier. Space and the human condition. *Contemporary Physics*, 37(4):325–328, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1996:BRg

- [1746] Anonymous. Book reviews. *Contemporary Physics*, 37(4):329–341, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1996:BRh

- [1747] Anonymous. Books received. *Contemporary Physics*, 37(4):343–344, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Prior:1996:DIV

- [1748] K. Prior. The development of II–VI semiconductors for blue diode lasers. *Contemporary Physics*, 37(5):345–358, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barstow:1996:HWD

- [1749] M. A. Barstow. Hot white dwarfs: An observational viewpoint. *Contemporary Physics*, 37(5):359–374, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barenco:1996:QPC

- [1750] Adriano Barenco. Quantum physics and computers. *Contemporary Physics*, 37(5):375–389, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:1996:RSE

- [1751] F. W. Taylor. Remote sensing of the earth from space. *Contemporary Physics*, 37(5):391–405, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ledingham:1996:DDU

- [1752] K. W. D. Ledingham. The development of detectors for use at low light levels. *Contemporary Physics*, 37(5):407–408, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McMurry:1996:BM

- [1753] S. M. McMurry. The beauty of mathematics. *Contemporary Physics*, 37(5):409–411, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bat:1996:PNS

- [1754] D. J. Bat. Physics for non-scientists. *Contemporary Physics*, 37(5):413–415, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1996:BRi

- [1755] Anonymous. Book reviews. *Contemporary Physics*, 37(5):417–424, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1996:BRj

- [1756] Anonymous. Book received. *Contemporary Physics*, 37(5):425–426, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Coles:1996:PSN

- [1757] Professor B. R. Coles. Professor Sir Nevill Mott (1905–1996). *Contemporary Physics*, 37(6):427, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Coles:1996:LSS

- [1758] Peter Coles. The large-scale structure of the universe. *Contemporary Physics*, 37(6):429–440, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Midgley:1996:QED

- [1759] P. A. Midgley and M. Saunders. Quantitative electron diffraction: From atoms to bonds. *Contemporary Physics*, 37(6):441–456, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hellings:1996:GWD

- [1760] Ronald W. Hellings. Gravitational wave detectors in space. *Contemporary Physics*, 37(6):457–469, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Phoenix:1996:SR

- [1761] S. J. D. Phoenix. Science and religion. *Contemporary Physics*, 37(6):471–473, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dholakia:1996:LSC

- [1762] K. Dholakia. Laser spectroscopy comes of age. *Contemporary Physics*, 37(6):475–477, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1996:BRk

- [1763] Anonymous. Book reviews. *Contemporary Physics*, 37(6):479–499, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1996:BRl

- [1764] Anonymous. Book reviews. *Contemporary Physics*, 37(6):501–502, 1996. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Close:1997:GHN

- [1765] F. E. Close. Glueballs and hybrids: New states of matter. *Contemporary Physics*, 38(1):1–12, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Morrison:1997:CGB

- [1766] L. V. Morrison and F. R. Stephenson. Contemporary geophysics from Babylonian clay tablets. *Contemporary Physics*, 38(1):13–23, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Horvath:1997:FPT

- [1767] G. Zs. K. Horvath, R. C. Thompson, and P. L. Knight. Fundamental physics with trapped ions. *Contemporary Physics*, 38(1):25–48, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Moss:1997:DGC

- [1768] David Moss. Dynamo generation of cosmic magnetic fields. *Contemporary Physics*, 38(1):49–62, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ford:1997:HTS

- [1769] P. J. Ford and G. A. Saunders. High-temperature superconductivity-ten years on. *Contemporary Physics*, 38(1):63–81, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hobson:1997:ERP

- [1770] P. R. Hobson. Essay review popular particle physics. *Contemporary Physics*, 38(1):83–85, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1997:BRa

- [1771] Anonymous. Book reviews. *Contemporary Physics*, 38(1):87–99, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1997:BRb

- [1772] Anonymous. Books received. *Contemporary Physics*, 38(1):101, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Halliday:1997:RDT

- [1773] Alex N. Halliday. Radioactivity, the discovery of time and the earliest history of the Earth. *Contemporary Physics*, 38(2):103–114, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gillan:1997:VML

- [1774] M. J. Gillan. The virtual matter laboratory. *Contemporary Physics*, 38(2):115–130, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Maher:1997:CSC

- [1775] K. P. Maher and J. F. Malone. Computerized scatter correction in diagnostic radiology. *Contemporary Physics*, 38(2):131–148, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Makdisi:1997:PSD

- [1776] Y. Y. Makdisi, K. S. Bhatia, and J. P. Connerade. Probing the spatial distribution of excited atomic states. *Contemporary Physics*, 38(2):149–155, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cook:1997:ERS

- [1777] A. H. Cook. Essay review the state of gravity. *Contemporary Physics*, 38(2):157–160, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barbour:1997:ERR

- [1778] J. B. Barbour. Essay review reflections on the aims, methods, and criteria of the history of science. *Contemporary Physics*, 38(2):161–166, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1997:BRc

- [1779] Anonymous. Book reviews. *Contemporary Physics*, 38(2):167–177, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1997:BRd

- [1780] Anonymous. Books received. *Contemporary Physics*, 38(2):179, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Greenland:1997:A

- [1781] P. T. Greenland. Antimatter. *Contemporary Physics*, 38(3):181–203, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ben-Jacob:1997:SFG

- [1782] Eshel Ben-Jacob. From snowflake formation to growth of bacterial colonies II: Cooperative formation of complex colonial patterns. *Contemporary Physics*, 38(3):205–241, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Drolias:1997:ERI

- [1783] B. F. Drolias. Essay review interesting times for astronomy. *Contemporary Physics*, 38(3):243–245, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1997:BRe

- [1784] Anonymous. Book reviews. *Contemporary Physics*, 38(3):247–253, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1997:BRf

- [1785] Anonymous. Books received. *Contemporary Physics*, 38(3):255–256, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:1997:JQT

- [1786] Stig Stenholm and Martin Wilkens. Jumps in quantum theory. *Contemporary Physics*, 38(4):257–268, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Glatzmaier:1997:SG

- [1787] Gary A. Glatzmaier and Paul H. Roberts. Simulating the geodynamo. *Contemporary Physics*, 38(4):269–288, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:1997:SSO

- [1788] Nigel J. Mason and S. K. Pathak. Spectroscopic studies of ozone- the Earth's UV filter. *Contemporary Physics*, 38(4):289–299, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1997:BRg

- [1789] Anonymous. Book reviews. *Contemporary Physics*, 38(4):301–311, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1997:BRh

- [1790] Anonymous. Books received. *Contemporary Physics*, 38(4):313–314, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ditmire:1997:ACU

- [1791] T. Ditmire. Atomic clusters in ultrahigh intensity light fields. *Contemporary Physics*, 38(5):315–328, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sholtz:1997:SPS

- [1792] Paul Sholtz, Michael Bretz, and Franco Nori. Sound-producing sand avalanches. *Contemporary Physics*, 38(5):329–342, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Raymer:1997:MQM

- [1793] M. G. Raymer. Measuring the quantum mechanical wave function. *Contemporary Physics*, 38(5):343–355, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1997:BRi

- [1794] Anonymous. Book reviews. *Contemporary Physics*, 38(5):357–367, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1997:BRj

- [1795] Anonymous. Books received. *Contemporary Physics*, 38(5):369, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bier:1997:BRP

- [1796] Martin Bier. Brownian ratchets in physics and biology. *Contemporary Physics*, 38(6):371–379, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ross:1997:FEP

- [1797] Marc Ross. Fuel efficiency and the physics of automobiles. *Contemporary Physics*, 38(6):381–394, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jameson:1997:BD

- [1798] R. F. Jameson and S. T. Hodgkin. Brown dwarfs. *Contemporary Physics*, 38(6):395–407, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dunlop:1997:CFI

- [1799] James Dunlop. Cosmic fireworks: Illuminating the history of our universe. *Contemporary Physics*, 38(6):409–427, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barton:1997:ER

- [1800] G. Barton. Essay review. *Contemporary Physics*, 38(6):429–430, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gough:1997:ERS

- [1801] D. O. Gough. Essay review the sun as seen by a stellar physicist. *Contemporary Physics*, 38(6):431–432, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1997:BRk

- [1802] Anonymous. Book reviews. *Contemporary Physics*, 38(6):433–446, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1997:BRl

- [1803] Anonymous. Books received. *Contemporary Physics*, 38(6):447, 1997. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Riles:1998:TSM

- [1804] Keith Riles. Testing the Standard Model. *Contemporary Physics*, 39(1):1–11, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gill:1998:DDP

- [1805] Alasdair J. Gill. Defects and the dynamics of phase transitions. *Contemporary Physics*, 39(1):13–47, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fearn:1998:SCT

- [1806] H. Fearn and A. M. Arroyo. Seeing clearly through the atmosphere. *Contemporary Physics*, 39(1):49–66, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milburn:1998:CQN

- [1807] G. J. Milburn and He Bi Sun. Classical and quantum noise in electronic systems. *Contemporary Physics*, 39(1):67–79, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barnett:1998:ERR

- [1808] S. M. Barnett. Essay review reflections on the EPR paradox. *Contemporary Physics*, 39(1):81–82, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1998:BRa

- [1809] Anonymous. Book reviews. *Contemporary Physics*, 39(1):83–92, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1998:BRb

- [1810] Anonymous. Books received. *Contemporary Physics*, 39(1):93–94, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Liddle:1998:FUF

- [1811] Andrew R. Liddle. Fingerprinting the universe- future cosmic microwave background experiments. *Contemporary Physics*, 39(2):95–105, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ricci:1998:SGW

- [1812] Fulvio Ricci. The search for gravitational waves: An experimental physics challenge. *Contemporary Physics*, 39(2):107–135, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Plenio:1998:ERQ

- [1813] Martin Plenio. Essay review quantum optics. *Contemporary Physics*, 39(2):137–139, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Thurstans:1998:ERE

- [1814] R. Thurstans. Essay review electron microscopy for beginners. *Contemporary Physics*, 39(2):141–143, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1998:BRc

- [1815] Anonymous. Book reviews. *Contemporary Physics*, 39(2):145–160, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1998:BRd

- [1816] Anonymous. Books received. *Contemporary Physics*, 39(2):161–162, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wilets:1998:FMD

- [1817] Lawrence Wilets and James S. Cohen. Fermion molecular dynamics in atomic, molecular, and optical physics. *Contemporary Physics*, 39(3):163–175, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shaposhnikov:1998:EB

- [1818] M. E. Shaposhnikov. Electroweak baryogenesis. *Contemporary Physics*, 39(3):177–194, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pegg:1998:ERR

- [1819] David T. Pegg. Essay review reflections on time. *Contemporary Physics*, 39(3):195–198, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bennion:1998:ERO

- [1820] Ian Bennion. Essay review optical fibre sensors. *Contemporary Physics*, 39(3):199–202, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1998:BRe

- [1821] Anonymous. Book reviews. *Contemporary Physics*, 39(3):203–222, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1998:BRf

- [1822] Anonymous. Books received. *Contemporary Physics*, 39(3):223–224, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vachaspati:1998:TDC

- [1823] Tanmay Vachaspati. Topological defects in the cosmos and lab. *Contemporary Physics*, 39(4):225–237, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gleiser:1998:PTU

- [1824] Marcelo Gleiser. Phase transitions in the universe. *Contemporary Physics*, 39(4):239–253, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Todd:1998:PMC

- [1825] T. N. Todd and C. G. Windsor. Progress in magnetic confinement fusion research. *Contemporary Physics*, 39(4):255–282, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tennyson:1998:WSS

- [1826] Jonathan Tennyson and Oleg L. Polyansky. Water on the sun: The sun yields more secrets to spectroscopy. *Contemporary Physics*, 39(4):283–294, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Weaire:1998:ERP

- [1827] D. Weaire. Essay review: Pride and precedence in Victorian science. *Contemporary Physics*, 39(4):295–297, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1998:BRg

- [1828] Anonymous. Book reviews. *Contemporary Physics*, 39(4):299–314, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1998:BRh

- [1829] Anonymous. Books received. *Contemporary Physics*, 39(4):315–316, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gauntlett:1998:MTS

- [1830] Jerome P. Gauntlett. M-theory: Strings, duality and branes. *Contemporary Physics*, 39(5):317–328, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Meacher:1998:OLC

- [1831] David R. Meacher. Optical lattices-crystalline structures bound by light. *Contemporary Physics*, 39(5):329–350, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dholakia:1998:AH

- [1832] K. Dholakia. Atom hosepipes. *Contemporary Physics*, 39(5):351–369, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Broglia:1998:WSA

- [1833] Ricardo A. Broglia. Wires of seven atoms — Feynman’s very, very small world. *Contemporary Physics*, 39(5):371–376, September/October 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Keesing:1998:HNA

- [1834] R. G. Keesing. The history of Newton’s apple tree. *Contemporary Physics*, 39(5):377–391, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zetie:1998:ERT

- [1835] Ken Zetie. Essay review time’s quantum arrow revisited. *Contemporary Physics*, 39(5):393–395, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Binney:1998:ERC

- [1836] J. J. Binney. Essay review conflicting views of spiral galaxies. *Contemporary Physics*, 39(5):397–398, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1998:BRi

- [1837] Anonymous. Book reviews. *Contemporary Physics*, 39(5):399–413, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1998:BRj

- [1838] Anonymous. Books received. *Contemporary Physics*, 39(5):415–417, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hardy:1998:SAD

- [1839] Lucien Hardy. Spooky action at a distance in quantum mechanics. *Contemporary Physics*, 39(6):419–429, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Plenio:1998:TET

- [1840] Martin B. Plenio and Vlatko Vedral. Teleportation, entanglement and thermodynamics in the quantum world. *Contemporary Physics*, 39(6):

431–446, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Eisenberg:1998:ICB

- [1841] Bob Eisenberg. Ionic channels in biological membranes- electrostatic analysis of a natural nanotube. *Contemporary Physics*, 39(6):447–466, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Povey:1998:UF

- [1842] Malcolm J. W. Povey. Ultrasonics of food. *Contemporary Physics*, 39(6):467–478, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:1998:ERM

- [1843] Harry Jones. Essay review magnets at work and play. *Contemporary Physics*, 39(6):479–482, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wallis:1998:ERF

- [1844] M. K. Wallis. Essay review: Field theorists strike back — stochastic electrodynamics. *The Quantum Dice*, by Luis de la Peña Ana-Maria Cetto. ISBN 0-7923-3818-9. *Contemporary Physics*, 39(6):483–486, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1998:BRk

- [1845] Anonymous. Book reviews. *Contemporary Physics*, 39(6):487–508, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1998:BRl

- [1846] Anonymous. Books received. *Contemporary Physics*, 39(6):509–510, 1998. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Collins:1999:SPG

- [1847] C. A. Collins. Searches for primeval galaxies. *Contemporary Physics*, 40(1):1–10, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Greenland:1999:S

- [1848] P. T. Greenland. Sonoluminescence. *Contemporary Physics*, 40(1):11–30, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stefanovska:1999:PHC

- [1849] Aneta Stefanovska. Physics of the human cardiovascular system. *Contemporary Physics*, 40(1):31–55, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fort:1999:ITB

- [1850] J. Fort. Information theory and blackbody radiation. *Contemporary Physics*, 40(1):57–70, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mcclintock:1999:ERP

- [1851] P. V. E. Mcclintock. Essay review puzzles of evolution. *Contemporary Physics*, 40(1):71–72, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cook:1999:ERU

- [1852] A. Cook. Essay review understanding the flow of time. *Contemporary Physics*, 40(1):73–76, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1999:BRa

- [1853] Anonymous. Book reviews. *Contemporary Physics*, 40(1):77–91, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1999:BRb

- [1854] Anonymous. Books received. *Contemporary Physics*, 40(1):93–94, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Schofield:1999:NFL

- [1855] A. J. Schofield. Non-Fermi liquids. *Contemporary Physics*, 40(2):95–115, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ward:1999:LL

- [1856] A. J. Ward. Light on a lattice. *Contemporary Physics*, 40(2):117–137, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Freyberger:1999:ERV

- [1857] M. Freyberger. Essay review visions. *Contemporary Physics*, 40(2):139–141, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rivers:1999:ERA

- [1858] R. Rivers. Essay review artful dodging. *Contemporary Physics*, 40(2):143–145, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1999:BRc

- [1859] Anonymous. Book reviews. *Contemporary Physics*, 40(2):147–168, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1999:SNa

- [1860] Anonymous. Short notices. *Contemporary Physics*, 40(2):169–171, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1999:BRd

- [1861] Anonymous. Books received. *Contemporary Physics*, 40(2):173, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:1999:SPM

- [1862] S. J. Blundell. Spin-polarized muons in condensed matter physics. *Contemporary Physics*, 40(3):175–192, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Reid:1999:FCE

- [1863] Derryck T. Reid. Few cycle EM pulses. *Contemporary Physics*, 40(3):193–204, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Winterton:1999:NLC

- [1864] R. H. S. Winterton. Newton's law of cooling. *Contemporary Physics*, 40(3):205–212, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barbour:1999:SH

- [1865] J. Barbour. Science and history. *Contemporary Physics*, 40(3):213–218, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hassard:1999:NS

- [1866] John Hassard. Nuclear safety? *Contemporary Physics*, 40(3):219–221, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1999:BRe

- [1867] Anonymous. Book reviews. *Contemporary Physics*, 40(3):223–231, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1999:SNb

- [1868] Anonymous. Short notices. *Contemporary Physics*, 40(3):233–234, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1999:BRf

- [1869] Anonymous. Books received. *Contemporary Physics*, 40(3):235, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chandrasekhar:1999:RDD

- [1870] S. Chandrasekhar and S. Krishna Prasad. Recent developments in discotic liquid crystals. *Contemporary Physics*, 40(4):237–245, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mesquita:1999:CBS

- [1871] Marcus V. Mesquita, Aurea R. Vasconcelos, and Roberto Luzzi. Complexity in biological systems. *Contemporary Physics*, 40(4):247–256, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hey:1999:RFC

- [1872] Tony Hey. Richard Feynman and computation. *Contemporary Physics*, 40(4):257–265, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pegg:1999:TR

- [1873] D. T. Pegg. Time as a river. *Contemporary Physics*, 40(4):267–269, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Davies:1999:OHS

- [1874] John K. Davies. Observing with the Hubble Space Telescope. *Contemporary Physics*, 40(4):271–274, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bullock:1999:THP

- [1875] F. W. Bullock. Tracing the history of particle physics. *Contemporary Physics*, 40(4):275–278, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1999:BRg

- [1876] Anonymous. Book reviews. *Contemporary Physics*, 40(4):279–293, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1999:SNc

- [1877] Anonymous. Short notices. *Contemporary Physics*, 40(4):295–296, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1999:BRh

- [1878] Anonymous. Books received. *Contemporary Physics*, 40(4):297–298, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fulton:1999:CNN

- [1879] B. R. Fulton. Clustering in nuclei: Nuclear chains, nuclear molecules and other exotic states of nuclear matter. *Contemporary Physics*, 40(5):299–311, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Calogeracos:1999:HPK

- [1880] A. Calogeracos and N. Dombey. History and physics of the Klein paradox. *Contemporary Physics*, 40(5):313–321, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fujita:1999:RDM

- [1881] F. E. Fujita. Recent developments in Mössbauer spectroscopy. *Contemporary Physics*, 40(5):323–337, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Liddle:1999:FSL

- [1882] Andrew R. Liddle. It's full of stars *Contemporary Physics*, 40(5):339–341, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Polkinghorne:1999:SCM

- [1883] J. C. Polkinghorne. Science for the common man. *Contemporary Physics*, 40(5):343–345, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1999:BRi

- [1884] Anonymous. Book reviews. *Contemporary Physics*, 40(5):347–365, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ledingham:1999:NPM

- [1885] K. W. D. Ledingham and P. A. Norreys. Nuclear physics merely using a light source. *Contemporary Physics*, 40(6):367–383, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lieb:1999:TFA

- [1886] Klaus-Peter Lieb. Thin film analysis with nuclear methods. *Contemporary Physics*, 40(6):385–413, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Campbell:1999:NDM

- [1887] D. M. Campbell. Nonlinear dynamics of musical reed and brass wind instruments. *Contemporary Physics*, 40(6):415–431, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Garraway:1999:QSC

- [1888] B. M. Garraway. Quantum state conclusion? *Contemporary Physics*, 40(6):433–435, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1999:BRj

- [1889] Anonymous. Book reviews. *Contemporary Physics*, 40(6):437–459, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1999:SNd

- [1890] Anonymous. Short notices. *Contemporary Physics*, 40(6):461–463, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:1999:BRk

- [1891] Anonymous. Books received. *Contemporary Physics*, 40(6):465, 1999. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Uzer:2000:SCA

- [1892] T. Uzer, Ernestine A. Lee, David Farrelly, and Andrea F. Brunello. Synthesis of a classical atom: Wavepacket analogues of the Trojan asteroids. *Contemporary Physics*, 41(1):1–14, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lunkenheimer:2000:GD

- [1893] P. Lunkenheimer, U. Schneider, R. Brand, and A. Loid. Glassy dynamics. *Contemporary Physics*, 41(1):15–36, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sluckin:2000:LCP

- [1894] T. J. Sluckin. The liquid crystal phases: Physics and technology. *Contemporary Physics*, 41(1):37–56, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2000:BRa

- [1895] Anonymous. Books received. *Contemporary Physics*, 41(1):57–59, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kirk:2000:NSD

- [1896] K. J. Kirk. Nanomagnets for sensors and data storage. *Contemporary Physics*, 41(2):61–78, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salje:2000:F

- [1897] Ekhard K. H. Salje. Ferroelasticity. *Contemporary Physics*, 41(2):79–91, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Herr:2000:MPI

- [1898] Ulrich Herr. Metastable phases in interface controlled materials. *Contemporary Physics*, 41(2):93–104, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hodgson:2000:QP

- [1899] P. E. Hodgson. Quantum philosophy. *Contemporary Physics*, 41(2):105–108, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2000:BRb

- [1900] Anonymous. Books received. *Contemporary Physics*, 41(2):109–110, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2000:BRc

- [1901] Anonymous. Book reviews. *Contemporary Physics*, 41(2):111–127, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kalmus:2000:PPT

- [1902] P. I. P. Kalmus. Particle physics at the turn of the century. *Contemporary Physics*, 41(3):129–142, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Caves:2000:PFD

- [1903] Carlton M. Caves. Predicting future duration from present age: A critical assessment. *Contemporary Physics*, 41(3):143–153, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Drolias:2000:ERB

- [1904] B. Drolias. Essay reviews: Not with a bang but a whimper. *Contemporary Physics*, 41(3):155–157, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2000:NOM

- [1905] P. J. Dobson. Nanotechnology: Opportunities missed. *Contemporary Physics*, 41(3):159–161, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Charap:2000:RG

- [1906] J. M. Charap. Relativistic gravitation. *Contemporary Physics*, 41(3):163–165, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barnett:2000:SRP

- [1907] S. M. Barnett. Scientific revolutions, paradoxes and paradigms. *Contemporary Physics*, 41(3):167–169, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2000:BRd

- [1908] Anonymous. Book reviews. *Contemporary Physics*, 41(3):171–185, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2000:SNa

- [1909] Anonymous. Short notices. *Contemporary Physics*, 41(3):187–188, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2000:BRe

- [1910] Anonymous. Books received. *Contemporary Physics*, 41(3):189–190, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Millar:2000:ESS

- [1911] T. J. Millar. The evolution of solar systems. *Contemporary Physics*, 41(4):191–202, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sander:2000:DLA

- [1912] Leonard M. Sander. Diffusion-limited aggregation: A kinetic critical phenomenon? *Contemporary Physics*, 41(4):203–218, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Amusia:2000:ANL

- [1913] M. Ya. Amusia and Y. Korniyushin. Application of the nuclear liquid drop model to atomic and molecular physics problems. *Contemporary Physics*, 41(4):219–229, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2000:YIM

- [1914] D. Bailin. And yet it moves. *Contemporary Physics*, 41(4):231–233, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Goodlad:2000:CS

- [1915] S. Goodlad. Communicating science. *Contemporary Physics*, 41(4):235–237, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:2000:SGS

- [1916] F. W. Taylor. The second greatest story ever told. *Contemporary Physics*, 41(4):239–241, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Thurstans:2000:ROS

- [1917] R. Thurstans. Retelling the old story. *Contemporary Physics*, 41(4):243–245, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Syroka:2000:MMP

- [1918] J. Syroka and R. Toumi. Making money out of physics. *Contemporary Physics*, 41(4):247–250, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2000:BRf

- [1919] Anonymous. Book reviews. *Contemporary Physics*, 41(4):251–271, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2000:BRg

- [1920] Anonymous. Books received. *Contemporary Physics*, 41(4):273–274, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Padgett:2000:LTT

- [1921] Miles Padgett and L. Allen. Light with a twist in its tail. *Contemporary Physics*, 41(5):275–285, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barnes:2000:SEE

- [1922] W. L. Barnes. Spontaneous emission and energy transfer in the optical microcavity. *Contemporary Physics*, 41(5):287–300, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Leonhardt:2000:LMM

- [1923] U. Leonhardt and P. Piwnicki. Light in moving media. *Contemporary Physics*, 41(5):301–308, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harries:2000:PER

- [1924] J. E. Harries. Physics of the Earth’s radiative energy balance. *Contemporary Physics*, 41(5):309–322, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:2000:MU

- [1925] F. W. Taylor. Measuring the universe. *Contemporary Physics*, 41(5):323–325, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hodgson:2000:DSN

- [1926] P. E. Hodgson. The deep symmetries of nature. *Contemporary Physics*, 41(5):327–330, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sillitto:2000:TE

- [1927] R. M. Sillitto. In a tradition of excellence. *Contemporary Physics*, 41(5):331–333, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Brown:2000:AT

- [1928] H. R. Brown. The arrow of time. *Contemporary Physics*, 41(5):335–336, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2000:BRh

- [1929] Anonymous. Book reviews. *Contemporary Physics*, 41(5):337–350, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2000:SNb

- [1930] Anonymous. Short notices. *Contemporary Physics*, 41(5):351–353, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2000:BRi

- [1931] Anonymous. Books received. *Contemporary Physics*, 41(5):355–357, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kane:2000:SWW

- [1932] Gordon L. Kane. Supersymmetry: What? why? when? *Contemporary Physics*, 41(6):359–367, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Batelaan:2000:KDE

- [1933] H. Batelaan. The Kapitza–Dirac effect. *Contemporary Physics*, 41(6):369–381, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cummins:2000:NMR

- [1934] H. K. Cummins and A. Jones. Nuclear magnetic resonance: A quantum technology for computation and spectroscopy. *Contemporary Physics*, 41(6):383–399, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chefles:2000:QSD

- [1935] Anthony Chefles. Quantum state discrimination. *Contemporary Physics*, 41(6):401–424, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zetie:2000:ERS

- [1936] K. Zetie. Essay review: Still seeking the ultimate in physics. *Contemporary Physics*, 41(6):425–427, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rutter:2000:ERC

- [1937] George H. Rutter. Essay review: Count Rumford — a forgotten genius. *Contemporary Physics*, 41(6):429–431, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gilmore:2000:ERS

- [1938] R. Gilmore. Essay review: Symmetry not so super. *Contemporary Physics*, 41(6):433–435, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2000:BRj

- [1939] Anonymous. Book reviews. *Contemporary Physics*, 41(6):437–452, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2000:SNc

- [1940] Anonymous. Short notices. *Contemporary Physics*, 41(6):455–457, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2000:BRk

- [1941] Anonymous. Books received. *Contemporary Physics*, 41(6):459–460, 2000. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Timmermans:2001:SSM

- [1942] Eddy Timmermans. Superfluids and superfluid mixtures in atom traps. *Contemporary Physics*, 42(1):1–24, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Plenio:2001:PFL

- [1943] M. B. Plenio and V. Vitelli. The physics of forgetting: Landauer’s erasure principle and information theory. *Contemporary Physics*, 42(1):25–60, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kibble:2001:WM

- [1944] B. P. Kibble. What is mass? *Contemporary Physics*, 42(1):61–63, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2001:BRa

- [1945] Anonymous. Book reviews. *Contemporary Physics*, 42(1):65–74, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2001:BRb

- [1946] Anonymous. Books received. *Contemporary Physics*, 42(1):75, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Godun:2001:PAI

- [1947] R. M. Godun, M. B. D’Arcy, G. S. Summy, and K. Burnett. Prospects for atom interferometry. *Contemporary Physics*, 42(2):77–95, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sandars:2001:EDM

- [1948] P. G. H. Sandars. Electric dipole moments of charged particles. *Contemporary Physics*, 42(2):97–111, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bugg:2001:TM

- [1949] David Bugg. Thinking machines. *Contemporary Physics*, 42(2):113–115, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hodgson:2001:ER

- [1950] P. E. Hodgson. Einstein’s religion. *Contemporary Physics*, 42(2):117–119, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Davies:2001:TKA

- [1951] E. R. Davies. Telepistemology — knowledge in the age of the Internet. *Contemporary Physics*, 42(2):121–124, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Clarke:2001:SSH

- [1952] N. M. Clarke. Science as social history. *Contemporary Physics*, 42(2):125–127, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2001:BRc

- [1953] Anonymous. Book reviews. *Contemporary Physics*, 42(2):129–146, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2001:BRd

- [1954] Anonymous. Books received. *Contemporary Physics*, 42(2):147–150, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanders:2001:SMR

- [1955] T. M. Sanders, Jr. Semiclassical mechanics of rotons. *Contemporary Physics*, 42(3):151–157, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kornyushin:2001:FCE

- [1956] Y. Kornyushin and M. Ya. Amusia. On the frequencies of collective electron oscillations in nanotubes. *Contemporary Physics*, 42(3):159–165, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Satterthwaite:2001:LMG

- [1957] G. E. Satterthwaite. A large man in a grand time. *Contemporary Physics*, 42(3):167–170, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2001:UDN

- [1958] E. Sheldon. Understanding the decay of nuclei. *Contemporary Physics*, 42(3):171–173, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Poole:2001:PBO

- [1959] M. W. Poole. Particle beam optics and the physics of accelerators. *Contemporary Physics*, 42(3):175–178, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Poon:2001:PGS

- [1960] W. C. K. Poon and P. B. Warren. Physics going soft: The emergence of soft condensed matter physics. *Contemporary Physics*, 42(3):179–183, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2001:BRe

- [1961] Anonymous. Book reviews. *Contemporary Physics*, 42(3):185–203, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2001:SNa

- [1962] Anonymous. Short notice. *Contemporary Physics*, 42(3):205, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2001:BRf

- [1963] Anonymous. Books received. *Contemporary Physics*, 42(3):207, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hands:2001:PDQ

- [1964] Simon Hands. The phase diagram of QCD. *Contemporary Physics*, 42(4):209–225, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

James:2001:PF

- [1965] Jessica James. Physics in finance. *Contemporary Physics*, 42(4):227–238, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Greenland:2001:QC

- [1966] P. T. Greenland. Quantum computing. *Contemporary Physics*, 42(4):239–241, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cullerne:2001:FWR

- [1967] J. P. Cullerne. Free will and the resolution of time travel paradoxes. *Contemporary Physics*, 42(4):243–245, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Steel:2001:CSP

- [1968] Duncan Steel. Carl Sagan: Practitioner, popularizer and proponent of science. *Contemporary Physics*, 42(4):247–249, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Plenio:2001:PI

- [1969] M. B. Plenio. The physics of information. *Contemporary Physics*, 42(4):251–253, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2001:BRg

- [1970] Anonymous. Book reviews. *Contemporary Physics*, 42(4):255–271, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2001:BRh

- [1971] Anonymous. Books received. *Contemporary Physics*, 42(4):273–274, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gelletly:2001:SRB

- [1972] W. Gelletly. Science with radioactive beams: The alchemist's dream. *Contemporary Physics*, 42(5):285–314, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Thurstans:2001:LIP

- [1973] R. Thurstans. Looking inside people: The physics of medical imaging. *Contemporary Physics*, 42(5):315–317, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Balogh:2001:FSE

- [1974] André Balogh. The future of space exploration: Is it asking for the moon? *Contemporary Physics*, 42(5):319–321, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Galbraith:2001:BC

- [1975] S. Galbraith. Beauty from complexity. *Contemporary Physics*, 42(5):323–325, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2001:BRi

- [1976] Anonymous. Book reviews. *Contemporary Physics*, 42(5):327–336, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2001:BRj

- [1977] Anonymous. Books received. *Contemporary Physics*, 42(5):337, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Green:2001:CVB

- [1978] M. G. Green and T. R. McMahon. CP violation in b meson decays. *Contemporary Physics*, 42(6):339–351, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Keitel:2001:RQO

- [1979] Christoph H. Keitel. Relativistic quantum optics. *Contemporary Physics*, 42(6):353–363, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cahn:2001:INP

- [1980] Robert W. Cahn. Intermetallics: New physics. *Contemporary Physics*, 42(6):365–375, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Coleman:2001:TYG

- [1981] P. G. Coleman. Thirty years of gaseous positronics. *Contemporary Physics*, 42(6):377–379, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Duxbury:2001:WS

- [1982] Geoffrey Duxbury. The workings of science. *Contemporary Physics*, 42(6):381–382, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hodgson:2001:SR

- [1983] P. E. Hodgson. Science and religion. *Contemporary Physics*, 42(6):383–386, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Garrett:2001:RC

- [1984] Anthony Garrett. Reality cheque. *Contemporary Physics*, 42(6):387–389, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2001:BRk

- [1985] Anonymous. Book reviews. *Contemporary Physics*, 42(6):391–403, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2001:SNb

- [1986] Anonymous. Short notices. *Contemporary Physics*, 42(6):405–407, 2001. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:2002:RCR

- [1987] B. J. Mason. The role of clouds in the radiative balance of the atmosphere and their effects on climate. *Contemporary Physics*, 43(1):1–11, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Waxman:2002:MPG

- [1988] David Waxman. A model of population genetics and its mathematical relation to quantum theory. *Contemporary Physics*, 43(1):13–20, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

James:2002:PCP

- [1989] Jessica James. Politically correct, but physically confusing. *Contemporary Physics*, 43(1):21–23, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2002:BRa

- [1990] Anonymous. Book reviews. *Contemporary Physics*, 43(1):25–45, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2002:BRb

- [1991] Anonymous. Books received. *Contemporary Physics*, 43(1):47–49, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Khalil:2002:EDM

- [1992] Shaaban Khalil and Carlos Muñoz. The enigma of the dark matter. *Contemporary Physics*, 43(2):51–61, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Singleton:2002:QTD

- [1993] John Singleton and Charles Mielke. Quasi-two-dimensional organic superconductors: A review. *Contemporary Physics*, 43(2):63–96, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Garraway:2002:WPD

- [1994] Barry M. Garraway and Kalle-Antti Suominen. Wave packet dynamics in molecules. *Contemporary Physics*, 43(2):97–114, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2002:MMC

- [1995] E. Sheldon. The mystique of mesons and cosmic radiation. *Contemporary Physics*, 43(2):115–120, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2002:BRc

- [1996] Anonymous. Book review. *Contemporary Physics*, 43(2):121–142, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2002:BRd

- [1997] Anonymous. Books received. *Contemporary Physics*, 43(2):143–145, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Garraway:2002:DFE

- [1998] B. M. Garraway and S. Stenholm. Does a flying electron spin? *Contemporary Physics*, 43(3):147–160, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sirohi:2002:SI

- [1999] Rajpal S. Sirohi. Speckle interferometry. *Contemporary Physics*, 43(3):161–180, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Watson:2002:CRH

- [2000] A. A. Watson. Cosmic rays of the highest energies. *Contemporary Physics*, 43(3):181–195, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pinkerton:2002:TEM

- [2001] Harry Pinkerton, Lionel Wilson, and Ray MacDonald. The transport and eruption of magma from volcanoes: A review. *Contemporary Physics*, 43(3):197–210, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gilmore:2002:WCB

- [2002] R. Gilmore. The wily colonial boy. *Contemporary Physics*, 43(3):211–213, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hatherly:2002:LA

- [2003] P. A. Hatherly. The legacy of Apollo. *Contemporary Physics*, 43(3):215–217, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2002:BRe

- [2004] Anonymous. Book reviews. *Contemporary Physics*, 43(3):219–240, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Molloy:2002:LAO

- [2005] Justin E. Molloy and Miles J. Padgett. Lights, action: Optical tweezers. *Contemporary Physics*, 43(4):241–258, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ralph:2002:SII

- [2006] J. F. Ralph and M. Bernhardt. Smart imaging in the infrared. *Contemporary Physics*, 43(4):259–272, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Henderson:2002:SED

- [2007] Brian Henderson. Spectroscopic effects of disorder in laser materials. *Contemporary Physics*, 43(4):273–300, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2002:OUT

- [2008] D. Bailin. Once upon a time, in the Soviet Union *Contemporary Physics*, 43(4):301–302, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pert:2002:FP

- [2009] G. J. Pert. Fusion in prospect. *Contemporary Physics*, 43(4):303–306, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Altmann:2002:SW

- [2010] S. L. Altmann. The science wars. *Contemporary Physics*, 43(4):307–310, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2002:BRf

- [2011] Anonymous. Book reviews. *Contemporary Physics*, 43(4):311–324, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blair:2002:FLC

- [2012] Grahame A. Blair. The future linear collider. *Contemporary Physics*, 43(5):325–338, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barger:2002:TAD

- [2013] A. J. Barger. Tracing activity in distant supermassive black holes with X-rays. *Contemporary Physics*, 43(5):339–349, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Warburton:2002:SAS

- [2014] Richard J. Warburton. Self-assembled semiconductor quantum dots. *Contemporary Physics*, 43(5):351–364, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zheludev:2002:NON

- [2015] N. I. Zheludev. Nonlinear optics on the nanoscale. *Contemporary Physics*, 43(5):365–377, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Luchinsky:2002:DPN

- [2016] D. G. Luchinsky. Deterministic patterns of noise and the control of chaos. *Contemporary Physics*, 43(5):379–395, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Byrne:2002:IRQ

- [2017] J. Byrne. Illusion and reality in the quantum world. *Contemporary Physics*, 43(5):397–400, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanders:2002:HGB

- [2018] T. M. Sanders. Heisenberg and the German bomb. *Contemporary Physics*, 43(5):401–403, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jacobs:2002:HWG

- [2019] D. J. Jacobs. How we got here. *Contemporary Physics*, 43(5):405–407, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2002:BRg

- [2020] Anonymous. Book reviews. *Contemporary Physics*, 43(5):409–425, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dash:2002:MOT

- [2021] J. G. Dash. Melting from one to two to three dimensions. *Contemporary Physics*, 43(6):427–436, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Loveday:2002:SDS

- [2022] Jon Loveday. The Sloan Digital Sky Survey. *Contemporary Physics*, 43(6):437–449, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McKay:2002:WLG

- [2023] Timothy A. McKay. When light goes astray: Gravitational lensing in astrophysics. *Contemporary Physics*, 43(6):451–460, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hodgson:2002:APC

- [2024] P. E. Hodgson. Alpha-particle clustering in nuclear reactions. *Contemporary Physics*, 43(6):461–472, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Arruda-Neto:2002:POP

- [2025] J. D. T. Arruda-Neto, S. S. Dutra, J. Arrais, and J. Mesa. Physics in organizations: A percolating approach. *Contemporary Physics*, 43(6):473–479, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2002:TLA

- [2026] D. G. C. Jones. Time to leave the alchemist’s cave? *Contemporary Physics*, 43(6):481–484, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:2002:LNF

- [2027] John Mason. From lightning to nuclear fusion. *Contemporary Physics*, 43(6):485–491, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2002:BRh

- [2028] Anonymous. Book reviews. *Contemporary Physics*, 43(6):493–505, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2002:BRi

- [2029] Anonymous. Books received. *Contemporary Physics*, 43(6):507–510, 2002. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ott:2003:PET

- [2030] Bob Ott. Positron emission tomography: A view of the body's function. *Contemporary Physics*, 44(1):1–15, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Townsend:2003:PPP

- [2031] Peter D. Townsend. Photocathodes — past performance and future potential. *Contemporary Physics*, 44(1):17–34, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Arnold:2003:MFL

- [2032] Kam S. Arnold and C. Y. She. Metal fluorescence lidar (light detection and ranging) and the middle atmosphere. *Contemporary Physics*, 44(1):35–49, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kieu:2003:CNC

- [2033] Tien D. Kieu. Computing the non-computable. *Contemporary Physics*, 44(1):51–71, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Benson:2003:ERF

- [2034] Andrew J. Benson. Essay review — a few of my favourite things. *Contemporary Physics*, 44(1):73–75, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2003:ERN

- [2035] Derry W. Jones. Essay review — nuclear radiation, radioactivity and safety. *Contemporary Physics*, 44(1):77–79, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2003:BRa

- [2036] Anonymous. Book reviews. *Contemporary Physics*, 44(1):81–95, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2003:BRb

- [2037] Anonymous. Books received. *Contemporary Physics*, 44(1):97, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Conroy:2003:FSM

- [2038] R. S. Conroy. Frequency standards, metrology and fundamental constants. *Contemporary Physics*, 44(2):99–135, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Leach:2003:FPV

- [2039] Jonathan Leach, Miles Padgett, and Johannes Courtial. Fractals in pixelated video feedback. *Contemporary Physics*, 44(2):137–143, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Polturak:2003:IQS

- [2040] Emil Polturak and Nir Gov. Inside a quantum solid. *Contemporary Physics*, 44(2):145–151, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wilson:2003:ERS

- [2041] J. I. B. Wilson. Essay review — scholarly froth and engineering skeletons. *The Physics of Foams*, by D. Weaire and S. Hutzler. ISBN 0-19-851097-7 (paperback), 0-19-850551-5 (hardback). *Contemporary Physics*, 44(2):153–155, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2003:BRc

- [2042] Anonymous. Book reviews. *Contemporary Physics*, 44(2):157–190, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2003:BRd

- [2043] Anonymous. Books received. *Contemporary Physics*, 44(2):191–192, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Khalil:2003:SSL

- [2044] Shaaban Khalil. Search for supersymmetry at LHC. *Contemporary Physics*, 44(3):193–201, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Samm:2003:CTF

- [2045] Ulrich Samm. Controlled thermonuclear fusion at the beginning of a new era. *Contemporary Physics*, 44(3):203–217, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Morgan:2003:DDW

- [2046] Ben Morgan. Direct detection of WIMP dark matter. *Contemporary Physics*, 44(3):219–235, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Farhadi:2003:RRC

- [2047] Alessio Farhadi and Dimitri Vvedensky. Risk, randomness, crashes and quants. *Contemporary Physics*, 44(3):237–257, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vourdas:2003:IMJ

- [2048] A. Vourdas. Interaction of mesoscopic Josephson devices with non-classical microwaves. *Contemporary Physics*, 44(3):259–264, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Linton:2003:SL

- [2049] Cm Linton. Signs of life. *Contemporary Physics*, 44(3):265–267, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2003:FR1a

- [2050] Dw Jones. Fusion research and international scientific collaboration. *Contemporary Physics*, 44(3):269–272, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2003:BRe

- [2051] Anonymous. Book reviews. *Contemporary Physics*, 44(3):273–284, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2003:BRf

- [2052] Anonymous. Book received. *Contemporary Physics*, 44(3):285–287, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Squires:2003:DSD

- [2053] G1 Squires. The discovery of the structure of DNA. *Contemporary Physics*, 44(4):289–305, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kempe:2003:QRW

- [2054] J. Kempe. Quantum random walks: An introductory overview. *Contemporary Physics*, 44(4):307–327, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sergienko:2003:QIP

- [2055] Av Sergienko and Gs Jaeger. Quantum information processing and precise optical measurement with entangled-photon pairs. *Contemporary Physics*, 44(4):341–356, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2003:NAW

- [2056] Peter Bussey. Nature in all its wonders. *Contemporary Physics*, 44(4):357–360, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cook:2003:ERT

- [2057] Alan Cook. Essay review: The times of their lives, Pauli and company [*No Time to Be Brief. A Scientific Biography of Wolfgang Pauli*. By C. P. Enz. (Oxford University Press, 2002.). Pp. viii + 573. £35.00 (hardback). ISBN 0-19-856479-1. Scope: biography. Level: non-specialist]. *Contemporary Physics*, 44(4):361–364, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2003:BRg

- [2058] Anonymous. Book reviews. *Contemporary Physics*, 44(4):365–387, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jm:2003:MGM

- [2059] Valverde Jm, Castellanos A., and Quintanilla Mas. The memory of granular materials. *Contemporary Physics*, 44(5):389–399, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rosenblum:2003:SPC

- [2060] Michael Rosenblum and Arkady Pikovsky. Synchronization: From pendulum clocks to chaotic lasers and chemical oscillators. *Contemporary Physics*, 44(5):401–416, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chin:2003:SCS

- [2061] J. Chin, J. Harting, S. Jha, Pv Coveney, Ar Porter, and Sm Pickles. Steering in computational science: Mesoscale modelling and simulation. *Contemporary Physics*, 44(5):417–434, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mij:2003:MDS

- [2062] Probert Mij. Molecular dynamics studies of liquids using a Beowulf computer. *Contemporary Physics*, 44(5):435–450, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fletcher:2003:CBS

- [2063] Lyndsay Fletcher. The costs and benefits of space weather. *Contemporary Physics*, 44(5):451–453, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2003:FR1b

- [2064] Derry Jones. Fusion research and international scientific collaboration. *Contemporary Physics*, 44(5):455–458, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2003:BRh

- [2065] Anonymous. Book reviews. *Contemporary Physics*, 44(5):459–467, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2003:BRi

- [2066] Anonymous. Book received. *Contemporary Physics*, 44(5):469–471, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anderson:2003:NAO

- [2067] Brian P. Anderson and Pierre Meystre. Nonlinear atom optics. *Contemporary Physics*, 44(6):473–483, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rajantie:2003:DFE

- [2068] Arttu Rajantie. Defect formation in the early universe. *Contemporary Physics*, 44(6):485–502, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2003:QGO

- [2069] Graham M. Shore. Quantum gravitational optics. *Contemporary Physics*, 44(6):503–521, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Engel:2003:GRB

- [2070] Ar Engel. Have gamma-ray bursts kept their secrets? *Contemporary Physics*, 44(6):523–526, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hartley:2003:EM

- [2071] J. Hartley. Entanglement for the masses. *Contemporary Physics*, 44(6):527–528, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2003:BRj

- [2072] Anonymous. Book reviews. *Contemporary Physics*, 44(6):529–545, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2003:BRk

- [2073] Anonymous. Books received. *Contemporary Physics*, 44(6):547–548, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2003:BRaA

- [2074] Anonymous. Books reviewed: author index. *Contemporary Physics*, 44(6):549–552, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2003:BRT

- [2075] Anonymous. Books reviewed: title index. *Contemporary Physics*, 44(6):553–555, 2003. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Durkan:2004:DSE

- [2076] C. Durkan. Detection of single electronic spins by scanning tunnelling microscopy. *Contemporary Physics*, 45(1):1–10, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harris:2004:PDS

- [2077] Sarah Anne Harris. The physics of DNA stretching. *Contemporary Physics*, 45(1):11–30, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bekenstein:2004:BHI

- [2078] Jacob D. Bekenstein. Black holes and information theory. *Contemporary Physics*, 45(1):31–43, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertram:2004:FPF

- [2079] Cd Bertram. Flow phenomena in floppy tubes. *Contemporary Physics*, 45(1):45–60, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dr:2004:WE

- [2080] Pa Hatherly Dr. Where is everybody? *Contemporary Physics*, 45(1):61–64, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barbour:2004:NS

- [2081] Julian Barbour. Is nature supernatural? *Contemporary Physics*, 45(1):65–69, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cahn:2004:NIR

- [2082] Robert W. Cahn. Nobel idiosyncracies: a review of *Nobel Lectures: Physics (1996–2000)*. Edited by Gösta Ekspong. (World Scientific, 2002). Pp. ix + 485. ISBN 981-238-004-3. *Contemporary Physics*, 45(1):71–73, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Maxwell:2004:HM

- [2083] C. J. Maxwell. The heart of the matter. *Contemporary Physics*, 45(1):75–77, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2004:BRa

- [2084] Anonymous. Book reviews. *Contemporary Physics*, 45(1):79–92, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fantz:2004:OPO

- [2085] U. Fantz. Optical phenomena in the open air. *Contemporary Physics*, 45(2):93–108, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rose:2004:SCH

- [2086] Sj Rose. Set the controls for the heart of the sun. *Contemporary Physics*, 45(2):109–121, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Flowers:2004:HSF

- [2087] JI Flowers, Ha Klein, and Hs Margolis. Hydrogenic systems, frequency standards and fundamental constants. *Contemporary Physics*, 45(2):123–145, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Parrondo:2004:BMG

- [2088] Jmr Parrondo and Luis Dinís. Brownian motion and gambling: from ratchets to paradoxical games. *Contemporary Physics*, 45(2):147–157, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ellis:2004:ARN

- [2089] Richard S. Ellis. Astrobiology: a respectable new science. *Contemporary Physics*, 45(2):159–162, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Garrett:2004:QMC

- [2090] Anthony Jm Garrett. Quantum mechanics: cleaning up metaphysical baggage. *Contemporary Physics*, 45(2):163–165, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2004:SNa

- [2091] Anonymous. Short notices. *Contemporary Physics*, 45(2):167–168, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2004:BRb

- [2092] Anonymous. Book reviews. *Contemporary Physics*, 45(2):169–189, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pendry:2004:NR

- [2093] Jb Pendry. Negative refraction. *Contemporary Physics*, 45(3):191–202, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bakule:2004:GAS

- [2094] Pavel Bakule and Elvezio Morenzoni. Generation and applications of slow polarized muons. *Contemporary Physics*, 45(3):203–225, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Brax:2004:CCP

- [2095] Ph Brax. The cosmological constant problem. *Contemporary Physics*, 45(3):227–236, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kusmartsev:2004:EMS

- [2096] Fv Kusmartsev. Electronic molecules in semiconductors and other novel materials. *Contemporary Physics*, 45(3):237–250, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Matravers:2004:DUM

- [2097] Dr. Matravers. Does the universe have a mask? *Contemporary Physics*, 45(3):251–254, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Freyberger:2004:NF

- [2098] M. Freyberger. The new *Fundamentals*. *Contemporary Physics*, 45(3):255–256, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Altmann:2004:CER

- [2099] Simon L. Altmann. Comments on ‘essay review is nature supernatural?’. *Contemporary Physics*, 45(3):257–258, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2004:BRc

- [2100] Anonymous. Book reviews. *Contemporary Physics*, 45(3):259–276, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Conroy:2004:UD

- [2101] Rs Conroy and C. Danilowicz. Unravelling DNA. *Contemporary Physics*, 45(4):277–302, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Angelakis:2004:PCI

- [2102] Dg Angelakis, Pl Knight, and E. Paspalakis. Photonic crystals and inhibition of spontaneous emission: an introduction. *Contemporary Physics*, 45(4):303–318, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McCubbin:2004:BPL

- [2103] Norman McCubbin. Beauty in physics: the legacy of Paul Dirac. *Contemporary Physics*, 45(4):319–333, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2004:PGA

- [2104] E. Sheldon. Per gravitas ad astra. *Contemporary Physics*, 45(4):335–339, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2004:SNb

- [2105] Anonymous. Short notices. *Contemporary Physics*, 45(4):341–342, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2004:BRd

- [2106] Anonymous. Book reviews. *Contemporary Physics*, 45(4):343–366, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jaksch:2004:OLU

- [2107] D. Jaksch. Optical lattices, ultracold atoms and quantum information processing. *Contemporary Physics*, 45(5):367–381, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Charvin:2004:TDS

- [2108] G. Charvin, J.-F. Allemand, Tr Strick, D. Bensimon, and V. Croquette. Twisting DNA: single molecule studies. *Contemporary Physics*, 45(5):383–403, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Helbing:2004:PTR

- [2109] Dirk Helbing and Kai Nagel. The physics of traffic and regional development. *Contemporary Physics*, 45(5):405–426, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2004:PE

- [2110] Peter J. Bussey. Pressing to the extremes. *Contemporary Physics*, 45(5):427–430, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2004:SNc

- [2111] Anonymous. Short notice. *Contemporary Physics*, 45(5):431, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2004:BRe

- [2112] Anonymous. Book reviews. *Contemporary Physics*, 45(5):433–454, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Evans:2004:CN

- [2113] Ts Evans. Complex networks. *Contemporary Physics*, 45(6):455–474, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2004:FM

- [2114] Randall Peters. Friction at the mesoscale. *Contemporary Physics*, 45(6):475–490, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zuber:2004:DBD

- [2115] K. Zuber. Double beta decay. *Contemporary Physics*, 45(6):491–502, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sagues:2004:PN

- [2116] F. Sagués and Jm Sancho. Patterns out of noise. *Contemporary Physics*, 45(6):503–514, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wilkins:2004:PCA

- [2117] D. R. Wilkins. A problem-centred approach to the history of mathematics. *Contemporary Physics*, 45(6):515–517, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2004:SNd

- [2118] Anonymous. Short notices. *Contemporary Physics*, 45(6):519–520, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2004:BRf

- [2119] Anonymous. Book reviews. *Contemporary Physics*, 45(6):521–541, 2004. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Maricic:2005:KAN

- [2120] Jelena Maricic and John Learned. The KamLAND anti-neutrino oscillation experiment. *Contemporary Physics*, 46(1):1–14, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McGloin:2005:BBD

- [2121] D. McGloin and K. Dholakia. Bessel beams: Diffraction in a new light. *Contemporary Physics*, 46(1):15–28, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chrysostomou:2005:FS

- [2122] Antonio Chrysostomou and Phil Lucas. The formation of stars. *Contemporary Physics*, 46(1):29–40, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bier:2005:MPM

- [2123] Martin Bier. Modelling processive motor proteins: Moving on two legs in the microscopic realm. *Contemporary Physics*, 46(1):41–51, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Altmann:2005:CE

- [2124] SI Altmann. Complexity in everything. *Contemporary Physics*, 46(1):53–56, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2005:BRa

- [2125] Anonymous. Book reviews. *Contemporary Physics*, 46(1):57–75, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peiris:2005:FYW

- [2126] Hiranya Peiris. First year *Wilkinson Microwave Anisotropy Probe* results: Implications for cosmology and inflation. *Contemporary Physics*, 46(2):77–91, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Halliwell:2005:HQU

- [2127] Jj Halliwell. How the quantum universe became classical. *Contemporary Physics*, 46(2):93–104, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Baldwin:2005:MHA

- [2128] Kenneth Baldwin. Metastable helium: Atom optics with nano-grenades. *Contemporary Physics*, 46(2):105–120, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Janev:2005:AMP

- [2129] Rk Janev. Atomic and molecular physics issues in current thermonuclear fusion research. *Contemporary Physics*, 46(2):121–140, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2005:BRb

- [2130] Anonymous. Book reviews. *Contemporary Physics*, 46(2):141–159, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Renzoni:2005:CAR

- [2131] Ferruccio Renzoni. Cold atom realizations of Brownian motors. *Contemporary Physics*, 46(3):161–171, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Oxborrow:2005:SPS

- [2132] Mark Oxborrow and Alastair G. Sinclair. Single-photon sources. *Contemporary Physics*, 46(3):173–206, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Isham:2005:ITI

- [2133] Cj Isham. Is it true; or is it false; or somewhere in between? the logic of quantum theory. *Contemporary Physics*, 46(3):207–219, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2005:RPG

- [2134] Derry W. Jones. Remarkable physicists: from Galileo to Yukawa. *Contemporary Physics*, 46(3):221–224, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2005:BRc

- [2135] Anonymous. Book reviews. *Contemporary Physics*, 46(3):225–247, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blencowe:2005:NS

- [2136] Mp Blencowe. Nanoelectromechanical systems. *Contemporary Physics*, 46(4):249–264, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Arrayas:2005:IPB

- [2137] Manuel Arrayás and José L. Trueba. Investigations of pre-breakdown phenomena: streamer discharges. *Contemporary Physics*, 46(4):265–276,

2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bender:2005:ISQ

- [2138] Carl M. Bender. Introduction to \mathcal{PT} -symmetric quantum theory. *Contemporary Physics*, 46(4):277–292, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2005:SNa

- [2139] Anonymous. Short notice. *Contemporary Physics*, 46(4):293, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2005:BRd

- [2140] Anonymous. Book reviews. *Contemporary Physics*, 46(4):295–312, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Davis:2005:FCS

- [2141] A.-C. Davis and Twb Kibble. Fundamental cosmic strings. *Contemporary Physics*, 46(5):313–322, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Newman:2005:PLP

- [2142] M. E. J. Newman. Power laws, Pareto distributions and Zipf's law. *Contemporary Physics*, 46(5):323–351, September 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2005:CRP

- [2143] Lawrence W. Jones. Cosmic-ray physics in the space age. *Contemporary Physics*, 46(5):353–371, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2005:SNb

- [2144] Anonymous. Short notices. *Contemporary Physics*, 46(5):373, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2005:BRe

- [2145] Anonymous. Book reviews. *Contemporary Physics*, 46(5):375–393, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bachor:2005:TLB

- [2146] Hans-A. Bachor, Claude Fabre, Ping Koy Lam, and Nicolas Treps. Teaching a laser beam to go straight. *Contemporary Physics*, 46(6):395–405,

2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Spiller:2005:IQI

- [2147] Timothy P. Spiller, William J. Munro, Sean D. Barrett, and Pieter Kok. An introduction to quantum information processing: applications and realizations. *Contemporary Physics*, 46(6):407–436, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Omar:2005:IPQ

- [2148] Yasser Omar. Indistinguishable particles in quantum mechanics: an introduction. *Contemporary Physics*, 46(6):437–448, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2005:RGR

- [2149] E. Sheldon. The regimen of general relativity. *Contemporary Physics*, 46(6):449–452, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2005:BRf

- [2150] Anonymous. Book reviews. *Contemporary Physics*, 46(6):453–470, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2005:BRaA

- [2151] Anonymous. Books reviewed: author index. *Contemporary Physics*, 46(6):471–476, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2005:BRT

- [2152] Anonymous. Books reviewed: title index. *Contemporary Physics*, 46(6):477–480, 2005. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dowker:2006:CSD

- [2153] Fay Dowker. Causal sets as discrete spacetime. *Contemporary Physics*, 47(1):1–9, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pilkuhn:2006:KGE

- [2154] Hartmut Pilkuhn. Klein–Gordon equation for atoms. *Contemporary Physics*, 47(1):11–24, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Varcoe:2006:TSR

- [2155] B. T. H. Varcoe. Testing special relativity using slow light. *Contemporary Physics*, 47(1):25–32, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Berera:2006:WIU

- [2156] Arjun Berera. The warm inflationary universe. *Contemporary Physics*, 47(1):33–49, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2006:WDP

- [2157] E. Sheldon. We delight in physics. *Contemporary Physics*, 47(1):51–56, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2006:BRa

- [2158] Anonymous. Book reviews. *Contemporary Physics*, 47(1):57–65, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Close:2006:QDT

- [2159] F. E. Close. Quarks, diquarks, tetraquarks, and pentaquarks. *Contemporary Physics*, 47(2):67–78, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wiseman:2006:ETB

- [2160] H. M. Wiseman. From Einstein’s theorem to Bell’s theorem: a history of quantum non-locality. *Contemporary Physics*, 47(2):79–88, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hartmann:2006:MLS

- [2161] Michael Hartmann. Minimal length scales for the existence of local temperature. *Contemporary Physics*, 47(2):89–102, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ambjorn:2006:US

- [2162] J. Ambjørn, J. Jurkiewicz, and R. Loll. The universe from scratch. *Contemporary Physics*, 47(2):103–117, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Conlon:2006:STL

- [2163] Joseph P. Conlon. The string theory landscape: a tale of two hydras. *Contemporary Physics*, 47(2):119–129, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Klimchitskaya:2006:ETC

- [2164] G. L. Klimchitskaya and V. M. Mostepanenko. Experiment and theory in the Casimir effect. *Contemporary Physics*, 47(3):131–144, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tout:2006:TPO

- [2165] Christopher A. Tout. The triple- α process and the origin of the elements. *Contemporary Physics*, 47(3):145–155, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanchez-Lavega:2006:PVP

- [2166] Agustín Sánchez-Lavega. ‘Planetodiversity’: the variety of planets and planetary systems in the Universe. *Contemporary Physics*, 47(3):157–165, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Matravers:2006:HSP

- [2167] D. R. Matravers. A history skirmish in physics. *Contemporary Physics*, 47(3):167–170, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2006:BRb

- [2168] Anonymous. Book reviews. *Contemporary Physics*, 47(3):171–180, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rahman:2006:SDA

- [2169] F. Rahman. Superconducting detectors in astronomy. *Contemporary Physics*, 47(4):181–194, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Battaglia:2006:OTQ

- [2170] D. A. Battaglia and L. Stella. Optimization through quantum annealing: theory and some applications. *Contemporary Physics*, 47(4):195–208, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Haan:2006:PF

- [2171] Patrick Voss-De Haan. Physics and fingerprints. *Contemporary Physics*, 47(4):209–230, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2006:BRc

- [2172] Anonymous. Book reviews. *Contemporary Physics*, 47(4):231–238, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wouters:2006:PBF

- [2173] Fred S. Wouters. The physics and biology of fluorescence microscopy in the life sciences. *Contemporary Physics*, 47(5):239–255, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dunningham:2006:UQT

- [2174] Jacob A. Dunningham. Using quantum theory to improve measurement precision. *Contemporary Physics*, 47(5):257–267, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Compagno:2006:EPB

- [2175] G. Compagno, R. Passante, and F. Persico. Edwin Power and the birth of dressed atoms. *Contemporary Physics*, 47(5):269–278, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jacobs:2006:SIC

- [2176] Kurt Jacobs and Daniel A. Steck. A straightforward introduction to continuous quantum measurement. *Contemporary Physics*, 47(5):279–303, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lieb:2006:LII

- [2177] Klaus-Peter Lieb and Juhani Keinonen. Luminescence of ion-irradiated α -quartz. *Contemporary Physics*, 47(5):305–331, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2006:BRd

- [2178] Anonymous. Book reviews. *Contemporary Physics*, 47(5):333–337, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2006:OCD

- [2179] B. W. Shore and N. V. Vitanov. Overdamping of coherently driven quantum systems. *Contemporary Physics*, 47(6):341–362, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:2006:CV

- [2180] Robert Cannon Smith. Cataclysmic variables. *Contemporary Physics*, 47(6):363–386, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bekenstein:2006:MND

- [2181] Jacob D. Bekenstein. The modified Newtonian dynamics — MOND and its implications for new physics. *Contemporary Physics*, 47(6):387–403, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2006:BRe

- [2182] Anonymous. Book reviews. *Contemporary Physics*, 47(6):405–411, 2006. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Quigg:2007:HBE

- [2183] Chris Quigg. Higgs bosons, electroweak symmetry breaking, and the physics of the Large Hadron Collider. *Contemporary Physics*, 48(1):1–11, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bose:2007:QCT

- [2184] Sougato Bose. Quantum communication through spin chain dynamics: an introductory overview. *Contemporary Physics*, 48(1):13–30, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Balibar:2007:SS

- [2185] Sébastien Balibar. Supersolidity and superfluidity. *Contemporary Physics*, 48(1):31–39, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nieto:2007:SSP

- [2186] Michael Martin Nieto and John D. Anderson. Search for a solution of the Pioneer anomaly. *Contemporary Physics*, 48(1):41–54, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2007:BRa

- [2187] Anonymous. Book reviews. *Contemporary Physics*, 48(1):55–61, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Alfe:2007:TCE

- [2188] D. Alfe, M. J. Gillan, and G. D. Price. Temperature and composition of the Earth's core. *Contemporary Physics*, 48(2):63–80, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Echenique:2007:IPF

- [2189] Pablo Echenique. Introduction to protein folding for physicists. *Contemporary Physics*, 48(2):81–108, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cochran:2007:HNS

- [2190] William D. Cochran and Michael Endl. Hot Neptunes and super Earths. *Contemporary Physics*, 48(2):109–117, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Guy:2007:ERT

- [2191] Christopher Guy. Essay review: A tragic intellect or a tragedian? [review of *Oppenheimer: The Tragic Intellect*, by C. Thorpe, The University of Chicago Press, Chicago & London, 2006, pp. 384, £24.00, hardback (ISBN 0-226-79845-3). Scope: sociological biography. Level: nonspecialist]. *Contemporary Physics*, 48(2):119–121, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2007:BRb

- [2192] Anonymous. Book reviews. *Contemporary Physics*, 48(2):123–130, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Brandhuber:2007:TIM

- [2193] Andreas Brandhuber, Bill Spence, and Gabriele Travaglini. Twistor inspired methods in gauge theory and gravity. *Contemporary Physics*, 48(3):131–142, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Silberhorn:2007:DQL

- [2194] Christine Silberhorn. Detecting quantum light. *Contemporary Physics*, 48(3):143–156, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Banerji:2007:EFR

- [2195] J. Banerji. Exploring fractional revivals and sub-Planck structures: a walk in phase space with Wigner and Kirkwood. *Contemporary Physics*, 48(3):157–171, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2007:VTP

- [2196] Peter Bussey. Views over the terrain of physics. *Contemporary Physics*, 48(3):173–176, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2007:BRc

- [2197] Anonymous. Book reviews. *Contemporary Physics*, 48(3):177–182, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Greffet:2007:CTR

- [2198] Jean-Jacques Greffet and Carsten Henkel. Coherent thermal radiation. *Contemporary Physics*, 48(4):183–194, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

King:2007:NM

- [2199] S. F. King. Neutrino mass. *Contemporary Physics*, 48(4):195–211, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Thomas:2007:M

- [2200] J. Thomas and P. Vahle. Minos. *Contemporary Physics*, 48(4):213–226, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2007:BMP

- [2201] D. G. C. Jones. The birth of modern physics. *Contemporary Physics*, 48(4):227–229, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Matravers:2007:TTH

- [2202] David Matravers. Is there a theory of how to construct theories? *Contemporary Physics*, 48(4):231–234, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2007:BRd

- [2203] Anonymous. Book reviews. *Contemporary Physics*, 48(4):235–246, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Maher:2007:EMC

- [2204] Barbara A. Maher. Environmental magnetism and climate change. *Contemporary Physics*, 48(5):247–274, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2007:MM

- [2205] Stephen J. Blundell. Molecular magnets. *Contemporary Physics*, 48(5):275–290, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Melia:2007:BFS

- [2206] Tom Melia. Beethoven’s fifth ‘sine’-phony: the science of harmony and discord. *Contemporary Physics*, 48(5):291–295, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2007:BRe

- [2207] Anonymous. Book reviews. *Contemporary Physics*, 48(5):297–306, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Palus:2007:NCS

- [2208] Milan Paluš. From nonlinearity to causality: statistical testing and inference of physical mechanisms underlying complex dynamics. *Contemporary Physics*, 48(6):307–348, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sudheendra:2007:MIT

- [2209] L. Sudheendra, V. Moshnyaga, and K. Samwer. Metal–insulator transition and colossal magnetoresistance: relevance of electron–lattice coupling and electronic phase separation. *Contemporary Physics*, 48(6):349–364, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2007:BRf

- [2210] Anonymous. Book reviews. *Contemporary Physics*, 48(6):365–374, 2007. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Georgiou:2008:PSO

- [2211] Savas Georgiou, Demetrios Anglos, and Costas Fotakis. Photons in the service of our past: lasers in the preservation of cultural heritage. *Contemporary Physics*, 49(1):1–27, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Charlton:2008:APT

- [2212] M. Charlton, S. Jonsell, L. V. Jørgensen, N. Madsen, and D. P. van der Werf. Antihydrogen for precision tests in physics. *Contemporary Physics*, 49(1):29–41, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Siewert:2008:MEF

- [2213] Jens Siewert and Carmelo Ferlito. Mechanical erosion by flowing lava. *Contemporary Physics*, 49(1):43–54, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2008:BRa

- [2214] Anonymous. Book reviews. *Contemporary Physics*, 49(1):55–69, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Trotta:2008:BSB

- [2215] Roberto Trotta. Bayes in the sky: Bayesian inference and model selection in cosmology. *Contemporary Physics*, 49(2):71–104, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Godin:2008:STT

- [2216] Oleg A. Godin. Sound transmission through water–air interfaces: new insights into an old problem. *Contemporary Physics*, 49(2):105–123, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dowling:2008:QOM

- [2217] Jonathan P. Dowling. Quantum optical metrology — the lowdown on high-N00N states. *Contemporary Physics*, 49(2):125–143, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2008:BRb

- [2218] Anonymous. Book reviews. *Contemporary Physics*, 49(2):145–156, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

VanderWeele:2008:GGD

- [2219] Ko Van der Weele. Granular gas dynamics: how Maxwell’s demon rules in a non-equilibrium system. *Contemporary Physics*, 49(3):157–178, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Agostini:2008:AHl

- [2220] P. Agostini and L. F. DiMauro. Atoms in high intensity mid-infrared pulses. *Contemporary Physics*, 49(3):179–197, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Becker:2008:MES

- [2221] W. Becker and H. Rottke. Many-electron strong-field physics. *Contemporary Physics*, 49(3):199–223, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2008:BRc

- [2222] Anonymous. Book reviews. *Contemporary Physics*, 49(3):225–235, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Roussev:2008:EES

- [2223] Iliia I. Roussev. Eruptive events in the solar atmosphere: new insights from theory and 3-D numerical modelling. *Contemporary Physics*, 49(4):237–254, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Townsend:2008:LDP

- [2224] P. D. Townsend, B. Yang, and Y. Wang. Luminescence detection of phase transitions, local environment and nanoparticle inclusions. *Contemporary Physics*, 49(4):255–280, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Carosi:2008:SA

- [2225] G. Carosi, K. van Bibber, and M. Pivovarov. The search for axions. *Contemporary Physics*, 49(4):281–297, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2008:BRd

- [2226] Anonymous. Book reviews. *Contemporary Physics*, 49(4):299–311, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Berman:2008:LS

- [2227] Paul R. Berman. Light scattering. *Contemporary Physics*, 49(5):313–330, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cowburn:2008:LSA

- [2228] Russell Cowburn. Laser surface authentication — reading nature's own security code. *Contemporary Physics*, 49(5):331–342, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Close:2008:RH

- [2229] F. E. Close. Rumsfeld hadrons. *Contemporary Physics*, 49(5):343–350, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Whitehouse:2008:N

- [2230] D. J. Whitehouse. Nanometrology. *Contemporary Physics*, 49(5):351–374, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2008:OAY

- [2231] E. Sheldon. An overview of almost 20 years' research on cold fusion. *Contemporary Physics*, 49(5):375–378, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2008:BRe

- [2232] Anonymous. Book reviews. *Contemporary Physics*, 49(5):379–390, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gabel:2008:FLB

- [2233] Christopher V. Gabel. Femtosecond lasers in biology: nanoscale surgery with ultrafast optics. *Contemporary Physics*, 49(6):391–411, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milburn:2008:QN

- [2234] G. J. Milburn and M. J. Woolley. Quantum nanoscience. *Contemporary Physics*, 49(6):413–433, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jacobs:2008:QFC

- [2235] Kurt Jacobs and Alireza Shabani. Quantum feedback control: how to use verification theorems and viscosity solutions to find optimal protocols. *Contemporary Physics*, 49(6):435–448, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2008:SRN

- [2236] Eric Sheldon. A starring role for nuclear physics. *Contemporary Physics*, 49(6):449–453, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2008:BRf

- [2237] Anonymous. Book reviews. *Contemporary Physics*, 49(6):455–467, 2008. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Editor:2009:IAI

- [2238] Peter Knight Editor. Introduction to the 50th anniversary issue of *Contemporary Physics*. *Contemporary Physics*, 50(1):1, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Close:2009:EPA

- [2239] Professor F. Close. *Elementary particles* (1960) by Abdus Salam. *Contemporary Physics*, 50(1):3, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salam:2009:EP

- [2240] Abdus Salam. Elementary particles. *Contemporary Physics*, 50(1):5–22, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Greenland:2009:DQT

- [2241] Dr. P. T. Greenland. *The development of quantum theory. Part 1. Formulation and interpretation* (1964) by R. E. Peierls. *Contemporary Physics*, 50(1):23, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peierls:2009:DQT

- [2242] R. E. Peierls. The development of quantum theory. *Contemporary Physics*, 50(1):25–35, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Leggett:2009:EPS

- [2243] Professor A. J. Leggett. *Elementary particle symmetries* (1965) by T. W. B. Kibble. *Contemporary Physics*, 50(1):37, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kibble:2009:EPS

- [2244] T. W. B. Kibble. Elementary particle symmetries. *Contemporary Physics*, 50(1):39–55, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milonni:2009:TPL

- [2245] Dr. P. W. Milonni. *Take a photon ...* (1965) by O. R. Frisch. *Contemporary Physics*, 50(1):57, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Frisch:2009:TPL

- [2246] O. R. Frisch. Take a photon *Contemporary Physics*, 50(1):59–67, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2009:JEB

- [2247] Professor P. V. E. McClintock. *The Josephson effects* (1969) by B. W. Petley. *Contemporary Physics*, 50(1):69, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Petley:2009:JE

- [2248] B. W. Petley. The Josephson effects. *Contemporary Physics*, 50(1):71–90, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Joseph:2009:GRT

- [2249] Professor R. Joseph. *Gravitational radiation: the theoretical aspect* (1972) by S. W. Hawking. *Contemporary Physics*, 50(1):91, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hawking:2009:GRT

- [2250] S. W. Hawking. Gravitational radiation: the theoretical aspect. *Contemporary Physics*, 50(1):93–102, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Joseph:2009:BHA

- [2251] Professor R. Joseph. *The black hole in astrophysics: the origin of the concept and its role* (1974) by S. Chandrasekhar. *Contemporary Physics*, 50(1):103, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chandrasekhar:2009:BHA

- [2252] S. Chandrasekhar. The black hole in astrophysics: the origin of the concept and its role. *Contemporary Physics*, 50(1):105–128, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Thompson:2009:RCG

- [2253] Professor R. Thompson. *The Rydberg constant* (1974) by G. W. Series. *Contemporary Physics*, 50(1):129, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Series:2009:RC

- [2254] G. W. Series. The Rydberg constant. *Contemporary Physics*, 50(1):131–150, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fisher:2009:SCF

- [2255] Professor A. Fisher. *Snow crystals* (1982) by F. C. Frank. *Contemporary Physics*, 50(1):151, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Frank:2009:SC

- [2256] F. C. Frank. Snow crystals. *Contemporary Physics*, 50(1):153–172, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Close:2009:PSC

- [2257] Professor F. Close. *Particle substructure. A common theme of discovery in this century* (1982) by W. K. H. Panofsky. *Contemporary Physics*, 50(1):173, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Panofsky:2009:PSC

- [2258] W. K. H. Panofsky. Particle substructure. A common theme of discovery in this century. *Contemporary Physics*, 50(1):175–196, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stefanovska:2009:SCS

- [2259] Professor A. Stefanovska. *Soap, cells and statistics — random patterns in two dimensions* (1984) by D. Weaire and N. Rivier. *Contemporary Physics*, 50(1):197, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Weaire:2009:SCS

- [2260] D. Weaire and N. Rivier. Soap, cells and statistics — random patterns in two dimensions. *Contemporary Physics*, 50(1):199–239, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Eberly:2009:SCH

- [2261] Professor J. H. Eberly. *Schrödinger's cat and her laboratory cousins* (1984) by A. J. Leggett. *Contemporary Physics*, 50(1):241, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Leggett:2009:SCH

- [2262] A. J. Leggett. Schrödinger's cat and her laboratory cousins. *Contemporary Physics*, 50(1):243–258, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milonni:2009:NPV

- [2263] Dr. P. W. Milonni. *Nothing's plenty. The vacuum in modern quantum field theory* (1985) by I. J. R. Aitchison. *Contemporary Physics*, 50(1):259, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Aitchison:2009:NPV

- [2264] I. J. R. Aitchison. Nothing's plenty. The vacuum in modern quantum field theory. *Contemporary Physics*, 50(1):261–319, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Thompson:2009:MQM

- [2265] Professor R. Thompson. *Measuring the quantum mechanical wave function*, by M. G. Raymer (1997). *Contemporary Physics*, 50(1):321, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Raymer:2009:MQM

- [2266] M. G. Raymer. Measuring the quantum mechanical wave function. *Contemporary Physics*, 50(1):323–335, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Plenio:2009:QRW

- [2267] Professor Martin Plenio. *Quantum random walks: an introductory overview* (2003) by J. Kempe. *Contemporary Physics*, 50(1):337, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kempe:2009:QRW

- [2268] J. Kempe. Quantum random walks: an introductory overview. *Contemporary Physics*, 50(1):339–359, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milonni:2009:NRJ

- [2269] Dr. P. W. Milonni. *Negative refraction (2004)* by J. B. Pendry. *Contemporary Physics*, 50(1):361, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pendry:2009:NR

- [2270] J. B. Pendry. Negative refraction. *Contemporary Physics*, 50(1):363–374, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pachos:2009:MTE

- [2271] Jiannis K. Pachos. Manifestations of topological effects in graphene. *Contemporary Physics*, 50(2):375–389, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Murdin:2009:FIF

- [2272] B. N. Murdin. Far-infrared free-electron lasers and their applications. *Contemporary Physics*, 50(2):391–406, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Park:2009:OAP

- [2273] Q-Han Park. Optical antennas and plasmonics. *Contemporary Physics*, 50(2):407–423, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2009:BRa

- [2274] Anonymous. Book reviews. *Contemporary Physics*, 50(2):425–435, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2009:AMM

- [2275] M. Vogel. The anomalous magnetic moment of the electron. *Contemporary Physics*, 50(3):437–452, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Roberts:2009:WSD

- [2276] David C. Roberts. When superfluids are a drag. *Contemporary Physics*, 50(3):453–461, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tsubota:2009:QTS

- [2277] Makoto Tsubota. Quantum turbulence: from superfluid helium to atomic Bose–Einstein condensates. *Contemporary Physics*, 50(3):463–475, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2009:THM

- [2278] Eric Sheldon. Two-and-a-half millennia of scientific endeavour and enlightenment. *Contemporary Physics*, 50(3):477–478, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2009:BP

- [2279] Peter J. Bussey. Beauty and physics. *Contemporary Physics*, 50(3):479–482, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2009:BRb

- [2280] Anonymous. Book reviews. *Contemporary Physics*, 50(3):483–494, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Beck:2009:GIE

- [2281] Christian Beck. Generalised information and entropy measures in physics. *Contemporary Physics*, 50(4):495–510, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ditlevsen:2009:CTL

- [2282] Peter D. Ditlevsen. Climate transitions on long timescales. *Contemporary Physics*, 50(4):511–532, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Normand:2009:FFM

- [2283] B. Normand. Frontiers in frustrated magnetism. *Contemporary Physics*, 50(4):533–552, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2009:BRc

- [2284] Anonymous. Book reviews. *Contemporary Physics*, 50(4):553–561, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ward:2009:PNS

- [2285] Lawrence M. Ward. Physics of neural synchronisation mediated by stochastic resonance. *Contemporary Physics*, 50(5):563–574, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hillery:2009:QM

- [2286] Mark Hillery and Vladimír Bužek. Quantum machines. *Contemporary Physics*, 50(5):575–586, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Havey:2009:FLC

- [2287] Mark D. Havey. Freezing light with cold atoms. *Contemporary Physics*, 50(5):587–599, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milonni:2009:LRR

- [2288] Dr. Peter W. Milonni. *Lidar. Range-Resolved Optical Remote Sensing of the Atmosphere*, in the Springer Series in Optical Sciences, Vol. 102, edited by Claus Weitkamp, Scope: review. Level: specialist. *Contemporary Physics*, 50(5):601–602, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

James:2009:BEI

- [2289] Dr. B. W. James. *Bright Earth — The Invention of Colour*, by P. Ball, Scope: monograph. Level: general reader. *Contemporary Physics*, 50(5):602, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Benedict:2009:QFT

- [2290] Dr. Keith Benedict. *Quantum Field Theory of Non-Equilibrium States*, by J. Rammer, Scope: textbook. Level: students. *Contemporary Physics*, 50(5):602–603, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Virmani:2009:FTP

- [2291] Dr. Shashank Virmani. *Field Theory — A Path Integral Approach*, by A. Das, Scope: textbook. Level: graduate. *Contemporary Physics*, 50(5):604, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Matravers:2009:CMB

- [2292] Professor David Matravers. *The Cosmic Microwave Background*, by R. Durrer, Scope: textbook/reference text. Level: advanced. *Contemporary Physics*, 50(5):604–605, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cairns:2009:PPF

- [2293] Professor R. A. Cairns. *Plasma Physics and Fusion Energy*, by J. Freidberg, Scope: monograph. Level: senior undergraduates, beginning post-graduates and researchers. *Contemporary Physics*, 50(5):605–606, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hall:2009:PLP

- [2294] Professor Geoff Hall. *Perspectives on LHC Physics*, edited by G. Kane and A. Pierce, Scope: survey of possible discoveries at the LHC, the detectors and experimental challenges. Level: graduate students and scientists interested in the LHC. *Contemporary Physics*, 50(5):606–607, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pounds:2009:UXR

- [2295] Professor Ken Pounds. *Ultraviolet and X-ray Spectroscopy of the Solar Atmosphere*, in Cambridge Astrophysics Series, by K. J. H. Phillips, U. Feldman and E. Landi, Scope: monograph. Level: students and senior researchers. *Contemporary Physics*, 50(5):607–608, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barnett:2009:EQI

- [2296] Professor Stephen M. Barnett. *Elements of Quantum Information*, edited by W. P. Schleich and H. Walther, Scope: overview and progress report. Level: specialist and non-specialist. *Contemporary Physics*, 50(5):608–609, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barnett:2009:LQI

- [2297] Professor Stephen M. Barnett. *Lectures on Quantum Information*, edited by D. Bruß and G. Leuchs, Scope: lectures. Level: students and undergraduates. *Contemporary Physics*, 50(5):609–610, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:2009:QGC

- [2298] Professor S. Stenholm. *Quantum Gravity*, by C. Rovelli, Scope: report. Level: advanced graduate. *Contemporary Physics*, 50(5):610–611, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McFarland:2009:OMM

- [2299] John McFarland. *Observing the Moon: The Modern Astronomer's Guide*, 2nd edition, by G. North, Scope: reference guide. Level: general. *Contemporary Physics*, 50(5):611, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Linton:2009:WPE

- [2300] Professor Chris Linton. *Wave Propagation. From Electrons to Photonic Crystals and Left-Handed Materials*, by P. Markoš and C. M. Soukoulis, Scope: textbook. Level: final year undergraduates and first year post-graduates. *Contemporary Physics*, 50(5):611–612, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gibbons:2009:FIA

- [2301] Professor G. W. Gibbons. *Functional Integration: Action and Symmetries*, by P. Cartier and C. DeWitt-Morette, Scope: supplement. Level: graduate level and above. *Contemporary Physics*, 50(5):612–613, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hobson:2009:OSC

- [2302] Professor Peter R. Hobson. *Observing the Sun with CoronadoTM Telescopes*, by P. Pugh, Scope: introductory guide. Level: general. *Contemporary Physics*, 50(5):613, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Knight:2009:YFP

- [2303] Peter Knight. 50 years at the forefront of physics. *Contemporary Physics*, 50(6):615–616, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Baker:2009:IPB

- [2304] Matthew A. B. Baker and Richard M. Berry. An introduction to the physics of the bacterial flagellar motor: a nanoscale rotary electric motor. *Contemporary Physics*, 50(6):617–632, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dimopoulos:2009:WGR

- [2305] Konstantinos Dimopoulos. Where galaxies really come from. *Contemporary Physics*, 50(6):633–646, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Keyes:2009:PTC

- [2306] Robert W. Keyes. Physics, and transistors in computers. *Contemporary Physics*, 50(6):647–651, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2009:LTW

- [2307] Derry W. Jones. Locating targets with waves: radar and sonar. *Contemporary Physics*, 50(6):653–655, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tennyson:2009:TAT

- [2308] Jonathan Tennyson. Is there anybody out there? *Contemporary Physics*, 50(6):657–659, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Munro:2009:ITC

- [2309] Dr. Peter R. T. Munro. *Introduction to the Theory of Coherence and Polarization of Light*, by E. Wolf, Scope: textbook and reference. Level: graduate and practising scientist/engineer. *Contemporary Physics*, 50(6):661–662, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2009:INA

- [2310] Professor Eric Sheldon. *An Introduction to Nuclear Astrophysics*, by R. N. Boyd, Scope: textbook. Level: advanced undergraduate, postgraduate and specialist. *Contemporary Physics*, 50(6):662–663, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2009:QRE

- [2311] Dr. P. J. Bussey. *Quantum Reflections*, edited by J. Ellis and D. Amati, Scope: essays. Level: graduate and general academic physicist. *Contemporary Physics*, 50(6):663–664, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Altmann:2009:ETY

- [2312] Dr. Simon Altmann. *100 Essential Things You Didn't Know You Didn't Know*, by J. D. Barrow, Scope: general knowledge. Level: general reader.

Contemporary Physics, 50(6):664, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jamil:2009:QGP

- [2313] Dr. M. Jamil and Professor J. T. Rhee. *Quark–Gluon Plasma*, by K. Yagi, T. Hatsuda and Y. Miake, Scope: monograph. Level: postgraduate and specialist. *Contemporary Physics*, 50(6):665–666, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2009:SPE

- [2314] Eric Sheldon. *Subatomic Physics*, 3rd edition, by E. M. Henley and A. García, Scope: textbook. Level: advanced undergraduate, postgraduate and specialist. *Contemporary Physics*, 50(6):666–667, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2009:DSE

- [2315] Professor K. Alan Shore. *Dynamical Systems*, edited by A. Fathi and J.-C. Yoccoz, Scope: monograph. Level: specialist. *Contemporary Physics*, 50(6):667, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2009:MTO

- [2316] Professor K. Alan Shore. *Mathematical Tools for One-Dimensional Dynamics*, E. de Faria and W. de Melo, Scope: monograph. Level: specialist. *Contemporary Physics*, 50(6):667–668, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2009:QCC

- [2317] Professor K. Alan Shore. *Quantum Computing for Computer Scientists*, N. S. Yanofsky and M. A. Manucci, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 50(6):668–669, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2009:TSU

- [2318] Dr. D. G. C. Jones. *Three Steps to the Universe*, D. Garfinkle and R. Garfinkle, Scope: introductory. Level: general reader and undergraduate. *Contemporary Physics*, 50(6):669, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ward:2009:PCP

- [2319] Professor Ian M. Ward. *Polymers: Chemistry and Physics of Modern Materials*, 3rd edition, by J. M. G. Cowie and V. Arrighi, Scope: text-

book. Level: undergraduate. *Contemporary Physics*, 50(6):670, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Carroll:2009:EPE

- [2320] Professor John Carroll. *Essentials of Photonics*, 2nd edition, by A. Rogers, Scope: textbook covering classical photonic devices and systems. Level: undergraduate or introductory postgraduate courses. *Contemporary Physics*, 50(6):670–671, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:2009:MMM

- [2321] Professor F. W. Taylor. *Mars: From Myth and Mystery to Recent Discoveries*, by M. Hotakainen, Scope: monograph. Level: general reader. *Contemporary Physics*, 50(6):671, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2009:CNW

- [2322] Professor Eric Sheldon. *Colliders and Neutrinos: The Window into Physics beyond the Standard Model. Proceedings of the 2006 Theoretical Advanced Summer Institute (TASI-2006) Lectures*, edited by S. Dawson and R. N. Mohapatra, Scope: advanced summer school proceedings. Level: postgraduate and specialist. *Contemporary Physics*, 50(6):671–673, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Foreman:2009:SN

- [2323] Matthew Foreman. Short notices. *Contemporary Physics*, 50(6):673, 2009. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Knight:2010:ONV

- [2324] Peter Knight. Obituary notice of Vitaly Ginzburg. *Contemporary Physics*, 51(1):1, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hutt:2010:OAE

- [2325] Axel Hutt. Oscillatory activity in excitable neural systems. *Contemporary Physics*, 51(1):3–16, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vamivakas:2010:PAA

- [2326] A. N. Vamivakas and M. Atatüre. Photons and (artificial) atoms: an overview of optical spectroscopy techniques on quantum dots. *Contem-*

porary Physics, 51(1):17–36, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Margolis:2010:OFS

- [2327] H. S. Margolis. Optical frequency standards and clocks. *Contemporary Physics*, 51(1):37–58, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Coecke:2010:QP

- [2328] Bob Coecke. Quantum picturalism. *Contemporary Physics*, 51(1):59–83, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dombey:2010:ERF

- [2329] Norman Dombey. Essay review: The first war of physics: *Atomic: the First War of Physics and the Secret History of the Atomic Bomb, 1939–49*, by J. Baggott. ISBN 978-1-84831-044-5. *Contemporary Physics*, 51(1):85–90, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Johnson:2010:NSP

- [2330] Professor R. C. Johnson and Dr M. Oi. *Nuclear Superfluidity. Pairing in Finite Systems*, by D. M. Brink and R. A. Broglia, Scope: textbook. Level: specialist, postdoctoral and postgraduate. *Contemporary Physics*, 51(1):91–92, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2010:NPM

- [2331] Professor K. Alan Shore. *The Noisy Pendulum*, by M. Gitterman, Scope: monograph. Level: undergraduate, graduate and general reader. *Contemporary Physics*, 51(1):92, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2010:CPC

- [2332] Dr. Matt Probert. *Computational Physics of Carbon Nanotubes*, by H. Rafii-Tabar, Scope: introduction/reference. Level: researchers and postgraduate. *Contemporary Physics*, 51(1):92–93, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Juel:2010:MFD

- [2333] Dr. Anne Juel. *Magneto-Fluid Dynamics. Fundamentals and Case Studies of Natural Phenomena*, by P. Lorrain, F. Lorrain and S. Houle, Scope:

introduction. Level: advanced undergraduates and postgraduates. *Contemporary Physics*, 51(1):93–94, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2010:PPP

- [2334] Professor S. J. Blundell. *The Pursuit of Perfect Packing*, by T. Aste and D. Weaire, Scope: monograph. Level: general reader, postgraduate and specialist. *Contemporary Physics*, 51(1):94–95, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2010:EOH

- [2335] Professor S. J. Blundell. *The Earth: Its Origin, History and Physical Constitution*, 6th edition, by Sir Harold Jeffreys, Scope: monograph. Level: specialist. *Contemporary Physics*, 51(1):95–96, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Farmelo:2010:DDP

- [2336] Graham Farmelo. Did Dirac predict the positron? *Contemporary Physics*, 51(2):97–101, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cohen:2010:SLR

- [2337] Netta Cohen and Jordan H. Boyle. Swimming at low Reynolds number: a beginners guide to undulatory locomotion. *Contemporary Physics*, 51(2):103–123, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jordan:2010:UWU

- [2338] Andrew N. Jordan and Alexander N. Korotkov. Uncollapsing the wavefunction by undoing quantum measurements. *Contemporary Physics*, 51(2):125–147, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blaum:2010:PTV

- [2339] K. Blaum, Yu. N. Novikov, and G. Werth. Penning traps as a versatile tool for precise experiments in fundamental physics. *Contemporary Physics*, 51(2):149–175, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Juel:2010:FSF

- [2340] Dr. Anne Juel. *Free Surface Flows Under Gravity Compensated Conditions*, by M. E. Dreyer, Scope: review. Level: postgraduates, researchers

and specialists. *Contemporary Physics*, 51(2):177, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fox:2010:FPC

- [2341] Professor Mark Fox. *Fundamentals of Photonic Crystal Guiding*, by M. Skorobogatiy and J. Yang, Scope: text. Level: graduate students and researchers. *Contemporary Physics*, 51(2):177–178, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fox:2010:SLS

- [2342] Professor Mark Fox. *Slow Light. Science and Applications*, edited by J. B. Khurgin and R. S. Tucker, Scope: research monograph. Level: graduate students and researchers. *Contemporary Physics*, 51(2):178, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

MacKay:2010:FSC

- [2343] Professor R. S. MacKay. *Facts and Speculations in Cosmology*, by J. V. Narlikar and G. Burbidge, Scope: interplay between observation and cosmological models. Level: generally accessible. *Contemporary Physics*, 51(2):178–180, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ward:2010:EMP

- [2344] Professor Ian M. Ward. *Electron Microscopy of Polymers*, in the series Springer Laboratory, by G. H. Michler, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 51(2):180–181, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wickramasinghe:2010:DUS

- [2345] Professor N. C. Wickramasinghe. *Dust in the Universe — Similarities and Differences*, by K. S. Krishna Swamy, Scope: introduction. Level: graduate students. *Contemporary Physics*, 51(2):181–182, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2010:MQF

- [2346] Professor D. Bailin. *Modern Quantum Field Theory: A Concise Introduction*, by T. Banks, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 51(2):182–183, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Carter:2010:MME

- [2347] Professor Richard Carter. *The Method of Moments in Electromagnetics*, by W. C. Gibson, Scope: modelling of electromagnetic radiation and

scattering problems. Level: postgraduate and professional. *Contemporary Physics*, 51(2):183–184, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2010:CQM

- [2348] Dr. D. G. C. Jones. *Concepts in Quantum Mechanics*, by V. Swarup Mathur and S. Singh, Scope: comprehensive textbook. Level: advanced undergraduate and postgraduate. *Contemporary Physics*, 51(2):184, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Solomon:2010:BBS

- [2349] Professor Allan Solomon. *Boulevard of Broken Symmetries: Effective Field Theories of Condensed Matter*, by A. M. J. Schakel, Scope: textbook and reference. Level: postgraduate and specialist. *Contemporary Physics*, 51(2):184–185, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2010:QLD

- [2350] Dr. P. J. Bussey. *Quantum Leap: From Dirac and Feynman, Across the Universe to Human Body and Mind*, by V. Ivancevic and T. Ivancevic, Scope: monograph collection. Level: graduate student and professional research worker. *Contemporary Physics*, 51(2):185–186, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2010:CCG

- [2351] Professor Peter V. E. McClintock. *Chaos and Coarse Graining in Statistical Mechanics*, by P. Castiglione, M. Falcioni, A. Lesne and A. Vulpiani, Scope: monograph. Level: professional physicists, researchers and Ph.D. students. *Contemporary Physics*, 51(2):186–187, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Evans:2010:DPC

- [2352] Dr. Tim Evans. *Dynamical Processes on Complex Networks*, by A. Barrat, M. Barthélemy and A. Vespignani, Scope: textbook. Level: graduate students in any scientific disciplines. *Contemporary Physics*, 51(2):187–188, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Linton:2010:HPT

- [2353] Professor Chris Linton. *A History of Physical Theories of Comets*, From Aristotle to Whipple, by T. Heidarzadeh, Scope: monograph. Level: educated lay person and science historians. *Contemporary Physics*, 51(2):

188, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2010:MDL

- [2354] Professor Peter V. E. McClintock. *Missing Data in Longitudinal Studies: Strategies for Bayesian Modeling and Sensitivity Analysis*, by M. J. Daniels and J. W. Hogan. Scope: research monograph. Level: professional statisticians and Ph.D. students. *Contemporary Physics*, 51(2):188–189, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Michette:2010:IPN

- [2355] Professor Alan Michette. *Interactions of Photons and Neutrons with Matter*, by S.-H. Chen and M. Kotlarchyk, Scope: textbook. Level: beginning graduates and above, scientists working at synchrotron and neutron facilities. *Contemporary Physics*, 51(2):189, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2010:FPF

- [2356] Dr. P. J. Bussey. *Fermilab: Physics, The Frontier and Megascience*, by L. Hoddeson, A. Kolb and C. Westfall, Scope: historical. Level: general reader. *Contemporary Physics*, 51(2):190, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barnett:2010:HTF

- [2357] Professor Stephen M. Barnett. *Hilbert Transforms*, by F. W. King, Scope: reference/textbook. Level: specialist. *Contemporary Physics*, 51(2):190–191, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zetie:2010:LPF

- [2358] Dr. Ken Zetie. *The Language of Physics: A Foundation for University Study*, by J. P. Cullerne and A. Machacek, Scope: undergraduate/pre-university textbook. Level: physics and engineering students. *Contemporary Physics*, 51(2):191–192, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2010:DEM

- [2359] Salvatore Esposito. The disappearance of Ettore Majorana: an analytic examination. *Contemporary Physics*, 51(3):193–209, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic). URL <http://adsabs.harvard.edu/abs/2010ConPh..51..193E>; <http://www.tandfonline.com/doi/abs/10.1080/00107510903510196>.

Mangano:2010:SL

- [2360] Michelangelo L. Mangano. The super-LHC. *Contemporary Physics*, 51(3):211–231, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Soskin:2010:SWQ

- [2361] S. M. Soskin, P. V. E. McClintock, T. M. Fromhold, I. A. Khovanov, and R. Mannella. Stochastic webs and quantum transport in superlattices: an introductory review. *Contemporary Physics*, 51(3):233–248, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Palima:2010:GPC

- [2362] Darwin Palima and Jesper Glückstad. Generalised phase contrast: microscopy, manipulation and more. *Contemporary Physics*, 51(3):249–265, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2010:THR

- [2363] Derry W. Jones. Titanic Hungarian refugee physicists. *Contemporary Physics*, 51(3):267–271, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2010:LSL

- [2364] Derry W. Jones. Lovelock: a sustaining life. *Contemporary Physics*, 51(3):273–276, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Linton:2010:FCC

- [2365] Professor Chris Linton. *A First Course in Continuum Mechanics*, by O. Gonzalez and A. Stuart, Scope: textbook. Level: graduate and advanced undergraduate. *Contemporary Physics*, 51(3):277, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hobson:2010:EIH

- [2366] Professor Peter R. Hobson. *Electromagnetic Interactions and Hadronic Structure*, edited by F. Close, S. Donnachie and G. Shore, Scope: reference. Level: graduate students and researchers in the field of particle physics. *Contemporary Physics*, 51(3):277–278, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Matthewman:2010:HSP

- [2367] J. Matthewman. *A History of the Science and Politics of Climate Change*, by B. Bolin, Scope: documentary. Level: general reader. *Contemporary Physics*, 51(3):278–279, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:2010:JTS

- [2368] Professor Stig Stenholm. *A Journey through Statistical Physics. Selecta of Jürg Fröhlich*, edited by G. Felder, G. M. Graf and K. Hepp, Scope: monograph. Level: research. *Contemporary Physics*, 51(3):279–280, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:2010:QFT

- [2369] Professor Stig Stenholm. *Quantum Field Theory of Non-equilibrium States*, by J. Rammer, Scope: monograph. Level: graduate research. *Contemporary Physics*, 51(3):280, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:2010:HSO

- [2370] Professor Stig Stenholm. *Hilbert Space Operators in Quantum Physics*, 2nd edition, by J. Blank, P. Exner and M. Havlicek, Scope: textbook. Level: graduate. *Contemporary Physics*, 51(3):281, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Matravers:2010:EWF

- [2371] Professor David Matravers. *Entangled World — The Fascination of Quantum Information and Computation*, edited by J. Audretsch (translator R. Ehrlich), Scope: popular science. Level: undergraduate with many parts for a general reader. *Contemporary Physics*, 51(3):281–282, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2010:CIH

- [2372] Professor D. G. C. Jones. *Cambridge Illustrated Handbook of Optoelectronics and Photonics*, by S. Kasap, H. Ruda and Y. Boucher, Scope: comprehensive reference. Level: undergraduate and above. *Contemporary Physics*, 51(3):282–283, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2010:ITN

- [2373] Dr. Manuel Vogel. *An Introduction to the Theory of Numbers*, 6th edition, by G. H. Hardy and E. M. Wright, Scope: textbook. Level: advanced undergraduate and above. *Contemporary Physics*, 51(3):283, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barton:2010:AMQ

- [2374] Dr. G. Barton. *Angular Momentum in Quantum Physics*, by L. C. Biedenharn and J. D. Louck, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 51(3):283–284, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2010:QTE

- [2375] Professor S. J. Blundell. *Quantum Theory of the Electron Liquid*, by G. F. Giuliani and G. Vignale, Scope: textbook. Level: graduate. *Contemporary Physics*, 51(3):284–285, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2010:MDE

- [2376] Professor K. Alan Shore. *Monsoon Dynamics*, edited by J. Lighthill and R. Pearce, Scope: monograph. Level: specialist. *Contemporary Physics*, 51(3):285, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2010:INV

- [2377] Professor K. Alan Shore. *Introduction to Nanoelectronics*, by V. V. Mitin, V. A. Kochelap and M. A. Strosio, Scope: textbook. Level: undergraduate and graduate. *Contemporary Physics*, 51(3):285–286, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2010:PNE

- [2378] Professor K. Alan Shore. *Progress in Nano-Electro-Optics VI*, Springer Series in Optical Sciences, edited by M. Ohtsu, Scope: monograph. Level: specialist. *Contemporary Physics*, 51(3):286–287, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2010:CPE

- [2379] Peter V. E. McClintock. *Cosmic Perspectives*, edited by S. K. Biswas, D. C. V. Mallik and C. V. Vishveshwara, Scope: review. Level: general

reader. *Contemporary Physics*, 51(3):287, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2010:SUM

- [2380] Dr. J. Rogel-Salazar. *The Sun: A User's Manual*, By C. Vita-Finzi, Scope: popular science. Level: general public. *Contemporary Physics*, 51(3):287–288, May/June 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kuhn:2010:CBS

- [2381] Axel Kuhn and Daniel Ljunggren. Cavity-based single-photon sources. *Contemporary Physics*, 51(4):289–313, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cheng:2010:IRQ

- [2382] T. Cheng, Q. Su, and R. Grobe. Introductory review on quantum field theory with space–time resolution. *Contemporary Physics*, 51(4):315–330, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Heckman:2010:FTE

- [2383] Jonathan J. Heckman. F-theory and experiment. *Contemporary Physics*, 51(4):331–348, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ion:2010:WNF

- [2384] Sue Ion. The world's nuclear future — built on material success. *Contemporary Physics*, 51(4):349–364, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2010:GTO

- [2385] Professor Mario Bertolotti. *Geometrical and Trigonometric Optics*, by E. L. Dereniak and T. D. Dereniak, Scope: textbook. Level: students. *Contemporary Physics*, 51(4):365, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2010:TSP

- [2386] Professor Mario Bertolotti. *Terahertz Spectroscopy: Principles and Applications*, edited by S. L. Dexheimer, Scope: textbook. Level: beginners. *Contemporary Physics*, 51(4):366, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2010:SLD

- [2387] Professor Barrie W. Jones. *Strategies of Life Detection*, edited by O. Botta, J. L. Bada, J. Gómez-Elvira, E. Javaux, F. Selsis and R. Summons, Scope: workshop papers. Level: postgraduates/specialists/advanced hobbyists. *Contemporary Physics*, 51(4):366–367, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2010:HCP

- [2388] Dr. Manuel Vogel. *Handbook of Charged Particle Optics*, 2nd edition, edited by J. Orloff, Scope: handbook/reference. Level: experts/advanced students. *Contemporary Physics*, 51(4):367, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sambles:2010:ASC

- [2389] Professor J. R. Sambles. *Aperiodic Structures in Condensed Matter*, by E. M. Barber, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 51(4):367–369, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2010:NPP

- [2390] Professor Eric Sheldon. *Nuclear and Particle Physics: An Introduction*, 2nd edition, by B. R. Martin, Scope: textbook. Level: advanced undergraduate, postgraduate and specialist. *Contemporary Physics*, 51(4):369–370, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2010:CMR

- [2391] Dr. J. Rogel-Salazar. *Classical Mechanics and Relativity*, by H. J. W. Müller-Kirsten, Scope: introductory. Level: undergraduate. *Contemporary Physics*, 51(4):370–371, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gibbons:2010:AFC

- [2392] Professor G. W. Gibbons. *Antimatter*, by F. Close, Scope: popular account. Level: general readership. *Contemporary Physics*, 51(4):371–372, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Riley:2010:DPJ

- [2393] Professor N. Riley. *The Detonation Phenomenon*, by J. H. S. Lee, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 51(4):372–373,

2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2010:PAN

- [2394] Dr. A. H. Harker. *Physics and Applications of Negative Refractive Index Materials*, by S. Anantha Ramakrishna and T. M. Grzegorzczuk, Scope: introduction/reference. Level: newcomer to the field and above. *Contemporary Physics*, 51(4):373–374, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2010:ATM

- [2395] Assistant Professor Nikolaos E. Myridis. *Advanced Tomographic Methods in Materials Research and Engineering*, edited by J. Banhart, Scope: monograph. Level: undergraduate, postgraduate and postdoctoral workers. *Contemporary Physics*, 51(4):374, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kolosov:2010:BBM

- [2396] Dr. Oleg Kolosov. *Biophotonics: Biological and Medical Physics*, Biomedical Engineering, edited by L. Pavesi and P. M. Fauchet, Scope: textbook. Level: graduate students in final year to academics. *Contemporary Physics*, 51(4):375, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kalmus:2010:PPG

- [2397] Professor Peter Kalmus. *Playing with Planets*, by Gerard 't Hooft, Scope: popular science. Level: general reader. *Contemporary Physics*, 51(4):375–376, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:2010:GTA

- [2398] Professor Stig Stenholm. *A Group-Theoretical Approach to Quantum Optics*, by A. B. Klimov and S. M. Chumakov, Scope: monograph. Level: advanced lecturer or researcher. *Contemporary Physics*, 51(4):376–377, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:2010:QCM

- [2399] Professor Stig Stenholm. *Quantum Computing without Magic*, by Zdzislaw Meglicki, Scope: textbook. Level: researchers and advanced students. *Contemporary Physics*, 51(4):377–378, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:2010:IPC

- [2400] Professor Stig Stenholm. *Information, Physics and Computation*, by Marc Mézard and Andrea Montanari, Scope: monograph. Level: specialist researcher. *Contemporary Physics*, 51(4):378, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:2010:ACM

- [2401] Professor Stig Stenholm. *Advanced Condensed Matter Physics*, by L. M. Sander, Scope: textbook. Level: advanced undergraduate and beginning graduate. *Contemporary Physics*, 51(4):378–379, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2010:QTI

- [2402] Professor D. G. C. Jones. *Quantum Transport. Introduction to Nanoscience*, by Y. V. Nazarov and Y. M. Blanter, Scope: general introduction. Level: postgraduate students and physicists. *Contemporary Physics*, 51(4):379–380, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2010:PCM

- [2403] Professor S. J. Blundell. *A Paradigm Called Magnetism*, by S. Dattagupta, Scope: general introduction. Level: postgraduate. *Contemporary Physics*, 51(4):380, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Williams:2010:AES

- [2404] Jonathan P. Williams. The astrophysical environment of the solar birthplace. *Contemporary Physics*, 51(5):381–396, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stoneham:2010:BFA

- [2405] Doreen Stoneham and Marshall Stoneham. Beating the forger: authenticating ceramic antiquities. *Contemporary Physics*, 51(5):397–411, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Evans:2010:SPS

- [2406] R. M. L. Evans. Statistical physics of shear flow: a non-equilibrium problem. *Contemporary Physics*, 51(5):413–427, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2010:SSS

- [2407] Derry W. Jones. Sailing: saga and science. *Contemporary Physics*, 51(5): 429–431, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2010:MMM

- [2408] Derry W. Jones. Magnetic mines, molecular models and the mind. *Contemporary Physics*, 51(5):433–437, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stefanovska:2010:BBE

- [2409] Dr. Aneta Stefanovska. *The Biophysical Basis of Excitability*, by H. G. Ferreira and M. W. Marshall, Scope: research. Level: postgraduate. *Contemporary Physics*, 51(5):439–440, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sambles:2010:MRS

- [2410] Professor J. R. Sambles. *Microstructural Randomness and Scaling in Mechanics of Materials*, by M. Ostoja-Starzewski, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 51(5):440, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Boyd:2010:LTL

- [2411] Professor T. J. M. Boyd. *Let there be Light*, by A. Montwill and A. Breslin, Scope: monograph. Level: general reader, undergraduate, graduate physics students. *Contemporary Physics*, 51(5):440–441, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Carroll:2010:MCA

- [2412] Professor John E. Carroll. *Metamaterials: Critique and Alternatives*, by B. A. Munk, Scope: research monograph. Level: masters degree and above. *Contemporary Physics*, 51(5):441–444, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2010:SVS

- [2413] Dr. Manuel Vogel. *Superconductivity — A very short introduction*, by S. Blundell, Scope: scientific essay. Level: interested reader. *Contemporary Physics*, 51(5):444, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Athorne:2010:ATD

- [2414] Dr. Chris Athorne. *Algebraic Theory of Differential Equations*, edited by M. A. H. MacCallum and A. V. Mikhailov, Scope: workshop proceedings. Level: postgraduate/research level. *Contemporary Physics*, 51(5):444–445, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Quenby:2010:FHE

- [2415] Professor John J. Quenby. *Foundations of High-Energy Astrophysics*, by M. Vietri, Scope: textbook and reference. Level: postgraduate, advanced undergraduate and specialist. *Contemporary Physics*, 51(5):445–446, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2010:MCF

- [2416] Professor Miguel A. F. Sanjuán. *Microscopic Chaos*, Fractals and Transport in Nonequilibrium Statistical Mechanics, Advanced Series in Nonlinear Dynamics, Vol. 24, by R. Klages, Scope: monograph. Level: graduate students and researchers. *Contemporary Physics*, 51(5):446–447, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sudbery:2010:PAD

- [2417] Dr. Tony Sudbery. *Physics and the Art of Dance: Understanding Movement*, by K. Laws and A. Sugano, photographs by M. Swope and G. Schiavone, Scope: monograph. Level: general reader and undergraduate. *Contemporary Physics*, 51(5):447–448, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2010:ILM

- [2418] Professor Miguel A. F. Sanjuán. *An Introduction to Lagrangian Mechanics*, by A. J. Brizard, Scope: textbook. Level: undergraduate and graduate students. *Contemporary Physics*, 51(5):448, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2010:SRS

- [2419] Professor Miguel A. F. Sanjuán. *Stochastic Resonance. From Suprathreshold Stochastic Resonance to Stochastic Signal Quantization*, by M. D. McDonnell, N. G. Stocks, C. E. M. Pearce and D. Abbott, Scope: monograph. Level: graduate students and researchers. *Contemporary Physics*, 51(5):448–449, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zetie:2010:SBG

- [2420] Dr. K. P. Zetie. *Stargazing Basics: Getting Started in Recreational Astronomy*, by P. E. Kinzer, Scope: introductory guide. Level: general reader. *Contemporary Physics*, 51(5):449–450, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fox:2010:SQB

- [2421] Professor Mark Fox. *Semiconductor Quantum Bits*, edited by F. Henneberger and O. Benson, Scope: research monograph. Level: graduate students and researchers. *Contemporary Physics*, 51(5):450, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Solomon:2010:QHE

- [2422] Professor Allan Solomon. *Quantum Hall Effects. Field Theoretical Approach and Related Topics*, 2nd ed., by Z. F. Ezawa, Scope: encyclopedic compendium. Level: student and researcher. *Contemporary Physics*, 51(5):450–451, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:2010:UHD

- [2423] Professor Stig Stenholm. *The Universe in a Helium Droplet*, by G. E. Volovik, Scope: monograph. Level: research level. *Contemporary Physics*, 51(5):451–452, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:2010:ALV

- [2424] Professor Stig Stenholm. *Astrophysical Lasers*, by V. Letokhov and S. Johansson, Scope: monograph. Level: research level. *Contemporary Physics*, 51(5):452–453, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bohmer:2010:IQE

- [2425] Dr. C. Böhmer. *Introduction to Quantum Effects in Gravity*, by V. F. Mukhanov and S. Winitzki, Scope: textbook. Level: undergraduate and graduate students, researchers. *Contemporary Physics*, 51(5):453, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2010:NVS

- [2426] Dr. Manuel Vogel. *Nothing: A Very Short Introduction*, by F. Close. Scope: scientific essay. Level: — interested reader. *Contemporary Physics*, 51(5):453–454, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2010:RBF

- [2427] Assistant Professor Nikolaos E. Myridis. *Radial Basis Functions*, by M. D. Buhmann, Scope: monograph. Level: general audience, mathematics theorists. *Contemporary Physics*, 51(5):454, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Duxbury:2010:JTE

- [2428] Professor Geoffrey Duxbury. *The Jahn–Teller Effect*, by I. B. Bersuker, Scope: monograph. Level: advanced/research. *Contemporary Physics*, 51(5):455, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hobson:2010:PHN

- [2429] Professor Peter Hobson. *Polarization Holography*, by L. Nikolova and P. S. Ramanujam, Scope: monograph. Level: specialist. *Contemporary Physics*, 51(5):455–456, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Martin:2010:YHP

- [2430] Professor Alan Martin. *You are Here: A Portable History of the Universe*, by C. Potter, Scope: plain text. Level: general reader. *Contemporary Physics*, 51(5):456, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lawrie:2010:AQG

- [2431] Professor Ian D. Lawrie. *Approaches to Quantum Gravity*, edited by Daniele Oriti, Scope: monograph. Level: specialist. *Contemporary Physics*, 51(5):457, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2010:SCM

- [2432] Dr. Matt Probert. *Symmetry and Condensed Matter Physics — A Computational Approach*, by M. El-Batanouny and F. Wooten, Scope: textbook. Level: active researcher at postgraduation and above. *Contemporary Physics*, 51(5):457–458, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2010:BCE

- [2433] Dr. Stephen H. Ashworth. *The Behaviour of Chemical Elements in Stars*, by C. Jascheck and M. Jascheck, Scope: reference work. Level: postgraduate/specialist. *Contemporary Physics*, 51(5):458–459, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pounds:2010:GVS

- [2434] Professor Ken Pounds. *Galaxies: A Very Short Introduction*, by J. Gribbin, Scope: monograph. Level: general reader. *Contemporary Physics*, 51(5):459–460, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Matravers:2010:FBB

- [2435] Professor David Matravers. *Finding the Big Bang*, edited by P. J. E. Peebles, L. A. Page, Jr. and R. B. Partridge, Scope: history of science. Level: general reader with an interest in cosmology to specialist in history or philosophy of science. *Contemporary Physics*, 51(5):460–463, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2010:BEC

- [2436] Dr. J. Rogel-Salazar. *Bose–Einstein Condensation in Dilute Gases*, 2nd ed., by C. J. Pethick and H. Smith. Scope: textbook. Level: advanced undergraduate and postgraduate. *Contemporary Physics*, 51(5):463, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

MacKay:2010:CIN

- [2437] Professor R. S. MacKay. *The Correspondence of Isaac Newton*, Volume V, 1709–1713, edited by A. Rupert Hall and L. Tilling, Scope: reference. Level: specialist in history of science. *Contemporary Physics*, 51(5):463–464, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2010:SMB

- [2438] Professor Peter V. E. McClintock. *Sirius Matters*, by N. Brosch, Scope: monograph. Level: undergraduates, graduate students, amateur astronomers, educated public. *Contemporary Physics*, 51(5):464–465, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2010:ONS

- [2439] Professor S. J. Blundell. *Observing the Night Sky with Binoculars*, by S. J. O’Meara, Scope: popular astronomy. Level: general. *Contemporary Physics*, 51(5):465, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Roussev:2010:SSM

- [2440] Professor Ilia I. Roussev. *Solar and Stellar Magnetic Activity*, by C. Schrijver and C. Zwaan, Scope: textbook. Level: specialist, postgraduate, graduate and undergraduate. *Contemporary Physics*, 51(5):466,

2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Roussev:2010:CDH

- [2441] Professor Ilia I. Roussev. *Cool Discs, Hot Flows: The Varying Faces of Accreting Compact Objects*, edited by M. Axelsson, Scope: conference proceedings. Level: specialist, postgraduate and graduate. *Contemporary Physics*, 51(5):466–467, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:2010:APP

- [2442] Dr. Robert C. Smith. *Astrophysics Processes: The Physics of Astronomical Phenomena*, by H. Bradt, Scope: textbook. Level: senior undergraduate/beginning postgraduate. *Contemporary Physics*, 51(5):467, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sangoro:2010:PLC

- [2443] Joshua R. Sangoro. *Polymers, Liquids and Colloids in Electric Fields*, edited by Y. Tsori and U. Steiner, Scope: textbook. Level: specialist and non-specialist. *Contemporary Physics*, 51(5):467–468, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tiwari:2010:QCI

- [2444] Dr. S. C. Tiwari. *From Quantum Cohomology to Integrable Systems*, by M. A. Guest, Scope: textbook. Level: graduate, researchers. *Contemporary Physics*, 51(5):468–469, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pálffy:2010:NEA

- [2445] Adriana Pálffy. Nuclear effects in atomic transitions. *Contemporary Physics*, 51(6):471–496, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gerry:2010:POQ

- [2446] Christopher C. Gerry and Jihane Mimih. The parity operator in quantum optical metrology. *Contemporary Physics*, 51(6):497–511, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zavrtanik:2010:UHE

- [2447] Danilo Zavrtanik. Ultra high energy cosmic rays. *Contemporary Physics*, 51(6):513–529, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2010:QQ

- [2448] P. J. Bussey. Quantum quicksands. *Contemporary Physics*, 51(6):531–534, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pounds:2010:SEL

- [2449] Professor Ken Pounds. *Space Enterprise — Living and Working Offworld in the 21st Century*, by Philip R. Harris, Scope: source book. Level: general reader and specialist. *Contemporary Physics*, 51(6):535, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

vanderWeele:2010:LDU

- [2450] Professor Ko van der Weele. *The Light/Dark Universe. Light from Galaxies*, Dark Matter and Dark Energy, by J. M. Overduin and P. S. Wesson, Scope: monograph. Level: informed reader interested in astronomy. *Contemporary Physics*, 51(6):535–536, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:2010:PMN

- [2451] Professor Stig Stenholm. *Philosophy of Mathematics and Natural Science*, by H. Weyl. Source: monograph. Level: researchers and advanced students. *Contemporary Physics*, 51(6):537–539, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2010:TGF

- [2452] Emeritus Professor Derry W. Jones. *Turbulence*, by Giles Foden, Scope: wartime meteorology and fiction. Level: general reader. *Contemporary Physics*, 51(6):539–540, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2010:FSP

- [2453] Dr. Manuel Vogel. *Future Spacecraft Propulsion Systems*, 2nd ed., by P. A. Czysz and C. Bruno, Scope: electric rockets explained, IAC, propulsion space, spacecraft engines. Level: advanced students and experts on the field. *Contemporary Physics*, 51(6):540–541, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vedral:2010:QSM

- [2454] Professor Vlatko Vedral. *Quantum Statistical Mechanics*, by W. C. Schieve and L. P. Horwitz, Scope: basic theory, with applications from

quantum optics to quantum gravity. Level: researchers and advanced students. *Contemporary Physics*, 51(6):541–542, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2010:QIO

- [2455] Assistant Professor Nikolaos E. Myridis. *Quantum Information*, Oxford Master Series in Physics, by Stephen M. Barnett, Scope: quantum information, quantum computing and the foundations of quantum theory. Level: undergraduate, graduate and postgraduate. *Contemporary Physics*, 51(6):542–543, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wallis:2010:CIK

- [2456] Dr. Max Wallis. *Cosmic Imagery: Key Images in the History of Science*, by John D. Barrow, Scope: key concepts. Level: general reader. *Contemporary Physics*, 51(6):543–544, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jamil:2010:CSP

- [2457] Dr. M. Jamil. *Computer Solutions in Physics: With Applications in Astrophysics, Biophysics, Differential Equations, and Engineering*, by Steve VanWyk, Scope: monograph. Level: undergraduate students. *Contemporary Physics*, 51(6):544–545, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2010:WMS

- [2458] Professor M. Bertolotti. *Waves in Metamaterials*, by L. Solymar and E. Shamonina, Scope: textbook. Level: researchers and advanced students. *Contemporary Physics*, 51(6):545–546, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2010:UMB

- [2459] Dr. Peter J. Bussey. *Universe or Multiverse?*, by Bernard Carr, Scope: review. Level: physicists and philosophers advanced undergraduate and above. *Contemporary Physics*, 51(6):546–550, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pierri-Galvao:2010:NPT

- [2460] Dr. Monica Pierri-Galvao. *The New Physics: For the Twenty-first Century*, by Gordon Fraser, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 51(6):550–551, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2010:DSO

- [2461] Professor Peter V. E. McClintock. *Dynamics of Self-Organized and Self-Assembled Structures*, by Rashmi C. Desai and Raymond Kapral, Scope: monograph. Level: professional physicists, researchers, Ph.D. students, advanced undergraduates. *Contemporary Physics*, 51(6):551–552, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2010:MTI

- [2462] Dr. Stephen H. Ashworth. *Measured Tones: The Interplay of Physics and Music*, 3rd edition, by Ian Johnston, Scope: monograph. Level: general reader. *Contemporary Physics*, 51(6):552, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2010:BSA

- [2463] Dr. Stephen H. Ashworth. *Building Scientific Apparatus*, 4th edition, by John H. Moore, Christopher C. Davis, Michael A. Coplan and Sandra E. Greer, Scope: reference. Level: anyone using, designing, modifying or specifying scientific apparatus. *Contemporary Physics*, 51(6):552–553, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Munro:2010:FMI

- [2464] Dr. Peter R. T. Munro. *Fundamentals of Medical Imaging*, by Paul Suetens, Scope: textbook and reference. Level: undergraduate, graduate and practicing scientist/engineer. *Contemporary Physics*, 51(6):553–554, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Munro:2010:CTP

- [2465] Dr. Peter R. T. Munro. *Computed Tomography: From Photon Statistics to Modern Cone-Beam CT*, by Thorsten M. Buzug, Scope: textbook and reference. Level: graduate and practising scientist/engineer. *Contemporary Physics*, 51(6):554–555, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milonni:2010:ENF

- [2466] Dr. Peter W. Milonni. *Electronic Noise and Fluctuations in Solids*, by Sh. Kogan, Scope: general reader, postgraduate and specialist. Level: anyone interested in the theory of fluctuation phenomena. *Contemporary Physics*, 51(6):555, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pounds:2010:FEG

- [2467] Professor Ken Pounds. *Formation and Evolution of Galaxy Bulges (IAU S245)*, *Proceedings of the IAU Symposia and Colloquia*, edited by Martin Bureau, E. Athanassoula, and Beatriz Barbuy. Scope: wide-ranging review. Level: graduate students and active researchers. *Contemporary Physics*, 51(6):556, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:2010:SSC

- [2468] Dr. Robert C. Smith. *Stellar Spectral Classification*, by Richard O. Gray and Christopher J. Corbally. Scope: monograph and reference book. Level: advanced undergraduates, postgraduates and specialists. *Contemporary Physics*, 51(6):556–557, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wickramasinghe:2010:IPI

- [2469] Professor N. C. Wickramasinghe. *An Introduction to the Physics of Interstellar Dust*, by E. Krugel. Scope: textbook. Level: workers in the field of interstellar dust. *Contemporary Physics*, 51(6):557, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2010:VOI

- [2470] Dr. Manuel Vogel. *In Vivo Optical Imaging of Brain Function*, 2nd ed., edited by Ron D. Frostig. Scope: monograph. Level: advanced graduate and postgraduate researchers. *Contemporary Physics*, 51(6):557–558, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2010:QFL

- [2471] Dr. Peter J. Bussey. *The Quantum Frontier: The Large Hadron Collider*, by D. Lincoln. Scope: general interest. Level: general readership, undergraduate. *Contemporary Physics*, 51(6):558–559, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2010:PMM

- [2472] Dr. Matt Probert. *Physics Meets Mineralogy: Condensed-Matter Physics in Geosciences*, edited by Hideo Aoki, Yasuhiko Syono and Russell J. Hemley. Scope: geophysicists, mineralogists, condensed matter physicists. Level: graduate level textbook. *Contemporary Physics*, 51(6):559, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Martin:2010:OLU

- [2473] Professor Alan Martin. *Origins of Life in the Universe*, by R. Jastrow and M. Rampino, Scope: illustrated text for non-science students. Level: general reader. *Contemporary Physics*, 51(6):559–560, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2010:EGT

- [2474] Professor Peter V. E. McClintock. *Engineering the Guitar: Theory and Practice*, by Richard Mark French, Scope: monograph. Level: undergraduate physicists and engineers, musicologists, guitar builders and players. *Contemporary Physics*, 51(6):560–561, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2010:ISP

- [2475] Dr. Manuel Vogel. *Introduction to Statistical Physics*, 2nd ed., by Kerson Huang, Scope: textbook. Level: undergraduate students. *Contemporary Physics*, 51(6):561, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2010:PSD

- [2476] Professor Peter V. E. McClintock. *Planetary Systems: Detection, Formation and Habitability of Extrasolar Planets*, by M. Ollivier, T. Encrenaz, F. Roques, F. Selsis and F. Casoli, Scope: monograph. Level: undergraduate and postgraduate physicists and researchers. *Contemporary Physics*, 51(6):561–562, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Foreman:2010:SN

- [2477] Matthew R. Foreman. Short notices. *Contemporary Physics*, 51(6):562–563, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2010:EB

- [2478] Anonymous. Editorial board. *Contemporary Physics*, 51(6):ebi, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Centrella:2011:MBH

- [2479] Joan Centrella, John Baker, Bernard Kelly, and James van Meter. Merging black holes. *Contemporary Physics*, 52(1):1–14, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Carter:2011:ATC

- [2480] Richard G. Carter. Acceleration technologies for charged particles: an introduction. *Contemporary Physics*, 52(1):15–41, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Eling:2011:GGT

- [2481] Christopher Eling, Itzhak Fouxon, and Yaron Oz. Gravity and a geometrisation of turbulence: an intriguing correspondence. *Contemporary Physics*, 52(1):43–54, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nugent:2011:MPT

- [2482] Keith A. Nugent. The measurement of phase through the propagation of intensity: an introduction. *Contemporary Physics*, 52(1):55–69, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2011:QAL

- [2483] Peter V. E. McClintock. Quantum aspects of life. *Contemporary Physics*, 52(1):71–73, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2011:WOC

- [2484] Dr. Manuel Vogel. *Waves in Oceanic and Coastal Waters*, by Leo H. Holthuijsen, Scope: textbook. Level: advanced undergraduate and above. *Contemporary Physics*, 52(1):75, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2011:OPR

- [2485] Professor Mario Bertolotti. *Optical Pattern Recognition*, edited by F. T. S. Yu and S. Jutamulia, Scope: review. Level: graduate students and researchers. *Contemporary Physics*, 52(1):75–76, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2011:EDW

- [2486] Professor Mario Bertolotti. *The Essence of Dielectric Waveguides*, by C. Yeh and F. Shimabukuro, Scope: overview. Level: researchers and students in optical communications, photonics and applied electromagnetics. *Contemporary Physics*, 52(1):76–77, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2011:ESB

- [2487] Dr. Matt Probert. *Electronic Structure: Basic Theory and Practical Methods*, by Richard M. Martin, Scope: graduate level textbook. Level: theoretical materials scientists/condensed matter physicists/computational chemists. *Contemporary Physics*, 52(1):77, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tarleton:2011:ASM

- [2488] Dr. Edmund Tarleton. *Applied Solid Mechanics*, by P. Howell, G. Kozryeff and J. Ockendon, Scope: textbook. Level: graduate and advanced undergraduate. *Contemporary Physics*, 52(1):77–79, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jamil:2011:IPP

- [2489] Dr. M. Jamil. *An Introduction to the Physics of Particle Accelerators*, by Mario Conte and William W. MacKay, Scope: monograph. Level: graduate students and researchers. *Contemporary Physics*, 52(1):79–80, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2011:QMB

- [2490] Dr. Peter J. Bussey. *Quantum Mechanics with Basic Field Theory*, by Bipin R. Desai, Scope: course book. Level: graduate. *Contemporary Physics*, 52(1):80, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Belsley:2011:MPE

- [2491] Professor Michael Belsley. *Mrs. Perkins's Electric Quilt and Other Intriguing Stories of Mathematical Physics*, by Paul J. Nahin, Scope: general. Level: undergraduate. *Contemporary Physics*, 52(1):80–81, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tiwari:2011:HSM

- [2492] Dr. S. Tiwari. *Hilbert Space Methods in Quantum Mechanics*, by Werner O. Amrein, Scope: handbook. Level: undergraduate. *Contemporary Physics*, 52(1):81–82, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2011:UOD

- [2493] Professor Peter V. E. McClintock. *The Universe — Order Without Design*, by Carlos I. Calle, Scope: monograph. Level: general reader. *Contemporary Physics*, 52(1):82–83, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fox:2011:MMM

- [2494] Dr. A. M. Fox. *Magnetism and Magnetic Materials*, by J. M. D. Coey, Scope: handbook. Level: advanced undergraduates, postgraduates and researchers. *Contemporary Physics*, 52(1):83–84, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2011:DRU

- [2495] Dr. Peter J. Bussey. *Decoding Reality: The Universe as Quantum Information*, by Vlatko Vedral, Scope: monograph. Level: general reader. *Contemporary Physics*, 52(1):84–85, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2011:AAN

- [2496] Professor Eric Sheldon. *Alex's Adventures in Numberland*, by Alex Bellos, Scope: general interest. Level: general readership. *Contemporary Physics*, 52(1):85–86, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milonni:2011:SPP

- [2497] Dr. Peter W. Milonni. *Statistical Physics of Particles*, by Mehran Kardar, Scope: textbook. Level: advanced undergraduate and graduate. *Contemporary Physics*, 52(1):86–87, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2011:QRT

- [2498] Dr. Peter J. Bussey. *Quantum Reality: Theory and Philosophy*, by Jonathan Allday, Scope: general interest. Level: general readership. *Contemporary Physics*, 52(1):87, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2011:PCR

- [2499] Assistant Professor Nikolaos E. Myridis. *Perspectives in Computation*, by Robert Geroch, Scope: theory of computation. Level: graduate and advanced undergraduate students, scientists. *Contemporary Physics*, 52(1):87–88, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salama:2011:GFD

- [2500] Dr. Amgad Salama. *Geological Fluid Dynamics: Sub-Surface Flow and Reactions*, by O. M. Phillips, Scope: textbook. Level: graduate. *Contemporary Physics*, 52(1):88–89, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:2011:RSS

- [2501] Dr. Robert C. Smith. *The Rotation of Sun and Stars*, by J.-P. Rozelot and C. Neiner/*Physics, Formation and Evolution of Rotating Stars*, by A. Maeder, Scope: monograph and reference. Level: postgraduates and specialists/scope: monograph. Level: postgraduates, specialists and advanced undergraduates. *Contemporary Physics*, 52(1):89–91, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2011:MTS

- [2502] Dr. Stephen H. Ashworth. *Modern Thermodynamics with Statistical Mechanics*, by Carl S. Helrich, Scope: textbook. Level: advanced undergraduate/postgraduate. *Contemporary Physics*, 52(1):91–92, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stoneham:2011:CNE

- [2503] Emeritus Massey Professor Marshall Stoneham. *Chirality at the Nanoscale*, edited by David B. Amabilino, Scope: monograph. Level: graduate student/research scientist. *Contemporary Physics*, 52(1):92–93, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ellis:2011:AST

- [2504] Richard Ellis. *Astronomical Spectrographs and Their History*, by John J. Hearnshaw, Scope: monograph. Level: science historians, general scientific, undergraduates. *Contemporary Physics*, 52(1):93, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McFarland:2011:CDS

- [2505] John McFarland. *The Cambridge Double Star Atlas*, by J. Mullaney and W. Tirion, Scope: handbook. Level: general reader and specialists. *Contemporary Physics*, 52(1):93–94, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2011:SFS

- [2506] Emeritus Professor Derry W. Jones. *Seeing Further: The Story of Science and the Royal Society*, edited by Bill Bryson, Scope: articles on history, philosophy and a range of science. Level: general reader. *Contemporary Physics*, 52(1):94–95, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2011:INS

- [2507] Dr. Manuel Vogel. *Introduction to Nuclear Science*, by J. C. Bryan, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 52(1): 95–96, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2011:MWH

- [2508] Dr. Peter J. Bussey. *The Many Worlds of Hugh Everett III*, by Peter Byrne, Scope: biography. Level: undergraduate physicist and philosopher and above. *Contemporary Physics*, 52(1):96–97, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Carroll:2011:SOT

- [2509] Professor John E. Carroll. *Superstrings and Other Things: A Guide to Physics*, 2nd ed., by Carlos I. Calle, Scope: manual. Level: general scientific reader. *Contemporary Physics*, 52(1):97, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2011:BSP

- [2510] Professor Miguel A. F. Sanjuán. *Basics of Statistical Physics*, by Harald J. W. Müller-Kirsten, Scope: textbook, monograph. Level: undergraduate and graduate students. *Contemporary Physics*, 52(1):97–98, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2011:CTP

- [2511] Professor Miguel A. F. Sanjuán. *Concepts in Thermal Physics*, 2nd ed., by Stephen J. Blundell and Katherine M. Blundell, Scope: handbook. Level: undergraduate and graduate students. *Contemporary Physics*, 52(1):98, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2011:SCC

- [2512] Assistant Professor Nikolaos E. Myridis. *Scientific Computing with Case Studies*, by Dianne P. O’Leary, Scope: textbook. Level: undergraduate and early graduate students. *Contemporary Physics*, 52(1):98–99, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salama:2011:UFF

- [2513] Dr. Amgad Salama. *Understanding Fluid Flow*, by Grae Worster, Scope: general interest. Level: undergraduate. *Contemporary Physics*, 52(1): 99–100, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Krucken:2011:ISS

- [2514] Reiner Krücken. Introduction to shell structure in exotic nuclei. *Contemporary Physics*, 52(2):101–120, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pettinelli:2011:RWT

- [2515] Elena Pettinelli, Pier Matteo Barone, Elisabetta Mattei, and Sebastian Emanuel Lauro. Radio wave techniques for non-destructive archaeological investigations. *Contemporary Physics*, 52(2):121–130, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Keeling:2011:EPC

- [2516] Jonathan Keeling and Natalia G. Berloff. Exciton–polariton condensation. *Contemporary Physics*, 52(2):131–151, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2011:DMP

- [2517] Assistant Professor Nikolaos E. Myridis. *Discrete Mathematics: Proof, Structures, and Applications*, 3rd edn., by Rowan Garnier and John Taylor, Scope: text-book. Level: undergraduate computer science students. *Contemporary Physics*, 52(2):153, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2011:MMU

- [2518] Assistant Professor Nikolaos E. Myridis. *The Mathematical Mechanic: Using Physical Reasoning to Solve Problems*, by Mark Levi, Scope: handbook. Level: students, scientists, physicists, mathematicians. *Contemporary Physics*, 52(2):154, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2011:EPD

- [2519] D. G. C. Jones. *The Edge of Physics: Dispatches from the Frontiers of Cosmology*, by Anil Ananthaswamy, Scope: synoptic picture of experimental modern astronomy, cosmology and particle physics. Level: general readers, a level and undergraduate physicists, specialists in other fields. *Contemporary Physics*, 52(2):155, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salama:2011:GVP

- [2520] Dr. Amgad Salama. *Good Vibrations: The Physics of Music*, by Barry Parker, Scope: textbook. Level: general reader. *Contemporary Physics*,

52(2):155–156, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2011:IRC

- [2521] Professor J. Rogel-Salazar. *Interest Rates and Coupon Bonds in Quantum Finance*, by Belal E. Baaquie, Scope: monograph. Level: specialist. *Contemporary Physics*, 52(2):156, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2011:MMF

- [2522] Professor S. J. Blundell. *Micromagnetism and the Microstructure of Ferromagnetic Solids*, by Helmut Kronmüller and Manfred Fähnle, Scope: monograph. Level: researcher. *Contemporary Physics*, 52(2):157, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Linton:2011:AMM

- [2523] Professor Chris Linton. *Applied Mathematical Methods in Theoretical Physics*, 2nd edn., by Michio Masujima, Scope: reference. Level: undergraduates, postgraduates, engineers. *Contemporary Physics*, 52(2):157–158, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lawrie:2011:QFT

- [2524] Professor Ian D. Lawrie. *Quantum Field Theory in Curved Space-time: Quantized Fields and Gravity*, by L. Parker and D. Toms, Scope: monograph. Level: postgraduate, researcher, specialist. *Contemporary Physics*, 52(2):158–159, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2011:UQF

- [2525] Professor Peter V. E. McClintock. *Ultracold Quantum Fields*, by H. T. C. Stoof, K. B. Gubbels and D. B. M. Dickerscheid, Scope: monograph. Level: researchers, postgraduate physicists and senior undergraduates. *Contemporary Physics*, 52(2):159, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McFarland:2011:TOD

- [2526] John McFarland. *Theory of Orbit Determination*, by Andrea Milani and Giovanni F. Gronchi, Scope: reference. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 52(2):160, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Benhamou:2011:PGGa

- [2527] Mabrouk Benhamou. *P. G. de Gennes' Impact on Science: Volume I*, edited by Julien Bok, Jacques Prost and Françoise Brochard-Wyart, Scope: handbook. Level: general readership. *Contemporary Physics*, 52(2):160–161, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jamil:2011:SCG

- [2528] Dr. M. Jamil. *Scientific Computation*, by Gaston H. Gonnet and Ralf Scholl, Scope: monograph. Level: graduate level students. *Contemporary Physics*, 52(2):161–162, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2011:CNL

- [2529] Dr. A. H. Harker. *Concepts of Nanochemistry*, by Ludovico Cademartiri and Geoffrey A. Ozin, Scope: monograph. Level: undergraduate and postgraduate. *Contemporary Physics*, 52(2):162, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Solomon:2011:QMC

- [2530] Professor Allan Solomon. *Quantum Measurement and Control*, by H. M. Wiseman and G. J. Milburn, Scope: monograph. Level: postgraduate and researcher. *Contemporary Physics*, 52(2):162–163, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2011:IRJ

- [2531] Dr. R. S. Shorter. *An Introduction to Relativity*, by Jayant V. Narlikar, Scope: review. Level: undergraduate and postgraduate. *Contemporary Physics*, 52(2):163–164, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2011:CVP

- [2532] Dr. R. S. Shorter. *Cremona Violins: A Physicist's Quest for Secrets of Stradivari*, by Kameshwar C. Wali, Scope: general interest. Level: general readership. *Contemporary Physics*, 52(2):164, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Garrett:2011:IPM

- [2533] Dr. Natalie L. Garrett. *Introduction to Physics in Modern Medicine*, 2nd edn., by Suzanne Amador Kane, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 52(2):164–165, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Volpe:2011:DME

- [2534] Dr. Giovanni Volpe. *Darwin Meets Einstein. On the Meaning of Science*, by Frans W. Saris, Scope: popular account. Level: general reader. *Contemporary Physics*, 52(2):165–166, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sambles:2011:SPP

- [2535] Professor J. R. Sambles. *Symmetries in Physics: Philosophical Reflections*, edited by Katherine Brading and Elena Castellani, Scope: edited volume. Level: postgraduate. *Contemporary Physics*, 52(2):166–168, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vedral:2011:QPS

- [2536] Professor Vlatko Vedral. *Quantum Processes, Systems, and Information*, by Benjamin Schumacher and Michael Westmoreland, Scope: review. Level: undergraduate and postgraduate. *Contemporary Physics*, 52(2):168, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2011:USS

- [2537] Dr. A. H. Harker. *Understanding Solid State Physics*, by Sharon Ann Holgate, Scope: monograph. Level: undergraduate. *Contemporary Physics*, 52(2):169, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2011:SDH

- [2538] Dr. D. G. C. Jones. *Semiconductor Devices for High-Speed Optoelectronics*, by Giovanni Ghione, Scope: monograph and review. Level: undergraduate, postgraduate and early career researcher. *Contemporary Physics*, 52(2):169–170, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Matravers:2011:PDP

- [2539] Professor David Matravers. *The Primordial Density Perturbation: Cosmology, Inflation and the Origin of Structure*, by David H. Lyth and Andrew R. Liddle, Scope: monograph. Level: postgraduate, early career researcher. *Contemporary Physics*, 52(2):170–171, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Solomon:2011:NRQ

- [2540] Professor Allan Solomon. *Non-relativistic Quantum Theory: Dynamics, Symmetry and Geometry*, by Kai S. Lam, Scope: monograph. Level: undergraduate and postgraduate. *Contemporary Physics*, 52(2):171, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Garrett:2011:BAN

- [2541] Dr. Natalie L. Garrett. *Biochemical Applications of Nonlinear Optical Spectroscopy*, edited by Vladislav V. Yakovlev, Scope: edited book. Level: advanced undergraduate, postgraduate and researcher. *Contemporary Physics*, 52(2):171–172, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hobson:2011:LHC

- [2542] Professor Peter R. Hobson. *The Large Hadron Collider: A Marvel of Technology*, edited by Lyndon Evans, Scope: edited book. Level: general reader and non-specialists. *Contemporary Physics*, 52(2):172–173, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2011:LPD

- [2543] Assistant Professor Nikolaos E. Myridis. *Linear Partial Differential Equations and Fourier Theory*, by Marcus Pivato, Scope: monograph. Level: students in mathematics and physics, lecturers. *Contemporary Physics*, 52(2):173–174, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bridges:2011:SIT

- [2544] Professor Thomas J. Bridges. *Solitons, Instantons, and Twistors*, by Maciej Dunajski, Scope: review. Level: undergraduate, postgraduate, early career researcher. *Contemporary Physics*, 52(2):174–175, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2011:CMT

- [2545] Dr. Peter J. Bussey. *Causality, Measurement Theory and the Differentiable Structure of Space–Time*, by R. N. Sen, Scope: monograph. Level: specialist. *Contemporary Physics*, 52(2):175, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sambles:2011:EAB

- [2546] Professor J. R. Sambles. *Electromagnetic Anisotropy and Bianisotropy: A Field Guide*, by Tom G. Mackay and Akhlesh Lakhtakia, Scope: monograph. Level: postgraduate, early career researcher, specialist. *Contem-*

porary Physics, 52(2):176–177, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wilson:2011:SLT

- [2547] Professor J. I. B. Wilson. *Spectroscopy of Low Temperature Plasma*, by V. N. Ochkin translated by S. Kittell, Scope: monograph. Level: researcher. *Contemporary Physics*, 52(2):177, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2011:FFC

- [2548] Emeritus Professor Derry W. Jones. *On Fact and Fraud: Cautionary Tales from the Front Lines of Science*, by David Goodstein, Scope: twentieth century physics history and advice for scientists and administrators. Level: general reader. *Contemporary Physics*, 52(2):178–179, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Banerji:2011:MOL

- [2549] J. Banerji. The method of (not so) ordinary least squares: what can go wrong and how to fix them. *Contemporary Physics*, 52(3):181–195, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gibbons:2011:GSR

- [2550] G. W. Gibbons and C. M. Warnick. The geometry of sound rays in a wind. *Contemporary Physics*, 52(3):197–209, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Redondo:2011:LST

- [2551] Javier Redondo and Andreas Ringwald. Light shining through walls. *Contemporary Physics*, 52(3):211–236, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2011:ERI

- [2552] J. Rogel-Salazar. Essay review: Improving science literacy: from atoms to galaxies. *From Atoms to Galaxies* by Sadri Hassani. *Contemporary Physics*, 52(3):237, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Foreman:2011:OM

- [2553] Matthew R. Foreman. Opus musicum. *Contemporary Physics*, 52(3):239–242, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tiwari:2011:PRB

- [2554] S. C. Tiwari. Physical reality beyond the Standard Models: revolution in fundamental physics? *Contemporary Physics*, 52(3):243–248, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Belsley:2011:TDO

- [2555] Michael Belsley. *Two-dimensional Optical Spectroscopy*, by Minhaeng Cho, Scope: monograph. Level: postgraduate, researcher, specialist. *Contemporary Physics*, 52(3):249–250, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salama:2011:IMT

- [2556] Amgad Salama. *An Introduction to Modeling of Transport Processes*, by Ashim Datta and Vineet Rakesh, Scope: reference. Level: undergraduate. *Contemporary Physics*, 52(3):250–251, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shamir:2011:OMM

- [2557] Joseph Shamir. *Optical Methods of Measurement: Wholefield Techniques*, 2nd edn., by R. S. Sirohi, Scope: monograph and reference. Level: early career researcher and engineers. *Contemporary Physics*, 52(3):251, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sudbery:2011:QEB

- [2558] Tony Sudbery. *Quantum: Einstein, Bohr and the Great Debate About the Nature of Reality*, by Manjit Kumar, Scope: general interest. Level: general readership. *Contemporary Physics*, 52(3):251–254, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2011:PSF

- [2559] Manuel Vogel. *Physics of the Sun: A First Course*, by D. J. Mullan, Scope: monograph. Level: undergraduates. *Contemporary Physics*, 52(3):254, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Belsley:2011:SME

- [2560] Michael Belsley. *Statistical Mechanics: An Elementary Outline*, revised edition, by Lahiri Avijit, Scope: monograph. Level: undergraduate. *Contemporary Physics*, 52(3):254–255, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gotte:2011:IST

- [2561] Jörg Bernhard Götte. *Intermediate Spectral Theory and Quantum Dynamics*, by C. R. de Oliveira, Scope: monograph. Level: undergraduate and postgraduate. *Contemporary Physics*, 52(3):255–256, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Laberge:2011:CEC

- [2562] Yves Laberge. *Cracking the Einstein Code: Relativity and the Birth of Black Hole Physics*, by F. Melia, Scope: monograph. Level: general readership. *Contemporary Physics*, 52(3):256, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fox:2011:INS

- [2563] Mark Fox. *Introduction to Nanophotonics*, Sergey V. Gaponenko, Scope: manual. Level: graduate students and researchers. *Contemporary Physics*, 52(3):257, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2011:MHG

- [2564] Peter J. Bussey. *Massive: The Hunt for the God Particle*, by Ian Sample, Scope: general interest. Level: general readership and postgraduate. *Contemporary Physics*, 52(3):257–258, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2011:KLO

- [2565] Peter J. Bussey. *Kinematics: The Lost Origins of Einstein's Relativity*, by Alberto A. Martínez, Scope: biography and reference. Level: general readership, teacher, specialist. *Contemporary Physics*, 52(3):258, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jamil:2011:NRA

- [2566] M. Jamil. *Nuclear Reactions for Astrophysics: Principles, Calculation and Applications of Low-Energy Reactions*, by Ian J. Thompson and Filomena M. Nunes, Scope: monograph. Level: graduate students and researchers. *Contemporary Physics*, 52(3):259, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hobson:2011:FGW

- [2567] Peter R. Hobson. *Fundamentals of Guided-Wave Optoelectronic Devices*, by William S. C. Chang, Scope: reference. Level: graduate level students studying optoelectronic waveguide devices. *Contemporary Physics*, 52(3):

259–260, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2011:ACA

- [2568] K. Alan Shore. *Algorithmic Cryptanalysis*, by Antoine Joux, Scope: handbook/textbook. Level: undergraduate, graduate. *Contemporary Physics*, 52(3):260–261, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2011:ATC

- [2569] Anonymous. Acceleration technologies for charged particles: an introduction. *Contemporary Physics*, 52(3):263, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Padgett:2011:KTT

- [2570] Miles J. Padgett, Kevin O’Holleran, Robert P. King, and Mark R. Dennis. Knotted and tangled threads of darkness in light beams. *Contemporary Physics*, 52(4):265–279, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

New:2011:NOF

- [2571] G. H. C. New. Nonlinear optics: the first 50 years. *Contemporary Physics*, 52(4):281–292, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Falcone:2011:NDX

- [2572] Roger Falcone, Chris Jacobsen, Janos Kirz, Stefano Marchesini, David Shapiro, and John Spence. New directions in X-ray microscopy. *Contemporary Physics*, 52(4):293–318, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Berman:2011:INP

- [2573] Oleg L. Berman, Roman Ya. Kezerashvili, and German V. Kolmakov. Introduction to nonlinear phenomena in superfluid liquids and Bose–Einstein condensates: helium, semiconductors and graphene. *Contemporary Physics*, 52(4):319–340, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2011:VD

- [2574] D. G. C. Jones. Visions of discovery. *Contemporary Physics*, 52(4):341–343, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:2011:OP

- [2575] F. W. Taylor. Origin of planets. *Contemporary Physics*, 52(4):345–347, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2011:DMU

- [2576] Eric Sheldon. Dark mysteries of the universe. *Contemporary Physics*, 52(4):349–354, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Holland:2011:QH

- [2577] Peter Holland. A quantum of history. *Contemporary Physics*, 52(4):355–358, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2011:PP

- [2578] Peter J. Bussey. Physics and poetry. *Contemporary Physics*, 52(4):359–362, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sivakumar:2011:QMC

- [2579] S. Sivakumar. *Quantum Mechanics: Concepts and Applications*, 2nd edn., by Nouredine Zettili, Scope: textbook. Level: undergraduates and advanced students. *Contemporary Physics*, 52(4):363, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2011:BCG

- [2580] J. Rogel-Salazar. *Bose-Condensed Gases at Finite Temperatures*, by Allan Griffin, Tetsuro Nikuni and Eugene Zaremba, Scope: review. Level: graduate and researcher. *Contemporary Physics*, 52(4):364, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2011:EEA

- [2581] J. Rogel-Salazar. *Everywhere and Everywhen: Adventures in Physics and Philosophy*, by Nick Huggett, Scope: reference. Level: popular science. *Contemporary Physics*, 52(4):364–365, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2011:GMP

- [2582] R. S. Shorter. *Gold Medal Physics: The Science of Sports*, by John Eric Goff, Scope: review. Level: general readership, non-specialists, teachers.

Contemporary Physics, 52(4):365, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bengtsson:2011:FMM

- [2583] Ingemar Bengtsson. *Feynman Motives*, by Matilde Marcolli, Scope: monograph. Level: researcher. *Contemporary Physics*, 52(4):366, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Munro:2011:PAR

- [2584] Peter R. T. Munro. *Polarisation: Applications in Remote Sensing*, by Shane Cloude, Scope: reference. Level: graduate and practising scientist/engineer. *Contemporary Physics*, 52(4):366–367, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Briggs:2011:CQA

- [2585] Andrew Briggs. *Crafting the Quantum: Arnold Sommerfeld and the Practice of Theory, 1890–1926*, by Suman Seth, Scope: general interest. Level: general readership. *Contemporary Physics*, 52(4):367, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zavrtanik:2011:CVE

- [2586] Danilo Zavrtanik. *CP Violation*, 2nd edn., by I. I. Bigi and A. I. Sanda, Scope: monograph. Level: early career researcher. *Contemporary Physics*, 52(4):368, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ogilvie:2011:ISF

- [2587] M. Ogilvie. *Introduction to Statistical Field Theory*, by E. Brézin, Scope: reference. Level: undergraduate. *Contemporary Physics*, 52(4):368–369, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2011:PSJ

- [2588] R. S. Shorter. *Physics of Sailing*, by John Kimball, Scope: review. Level: general readership. *Contemporary Physics*, 52(4):369, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2011:LSA

- [2589] R. S. Shorter. *Lighter Side of Adaptive Optics*, by Robert K. Tyson, Scope: review. Level: general readership. *Contemporary Physics*, 52(4):370, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2011:HSE

- [2590] Manuel Vogel. *Handbook of Space Engineering, Archaeology, and Heritage*, edited by A. G. Darrin and B. L. O’Leary, Scope: handbook. Level: experts. *Contemporary Physics*, 52(4):370–371, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2011:OCS

- [2591] Manuel Vogel. *Observational Cosmology*, by S. Serjeant, Scope: monograph. Level: advanced undergraduate students. *Contemporary Physics*, 52(4):371, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2011:NRA

- [2592] K. Alan Shore. *Nonlinear Resonance Analysis: Theory, Computation, Applications*, by Elena Kartashova, Scope: research monograph. Level: postgraduate and beyond. *Contemporary Physics*, 52(4):371–372, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2011:TAJ

- [2593] Mario Bertolotti. *Turbulence in the Atmosphere*, by John C. Wyngaard, Scope: monograph. Level: postgraduate, early career researcher, researcher, teacher, specialist. *Contemporary Physics*, 52(4):372–373, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milonni:2011:APA

- [2594] Peter W. Milonni. *Astrophysics for Physicists*, by Arnab Rai Choudhuri, Scope: monograph. Level: advanced undergraduate, beginning postgraduate. *Contemporary Physics*, 52(4):373–374, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Quenby:2011:IPP

- [2595] John J. Quenby. *An Introduction to Particle Physics and the Standard Model*, by Robert Mann, Scope: review. Level: undergraduate, postgraduate. *Contemporary Physics*, 52(4):374–377, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Benhamou:2011:PGGb

- [2596] Mabrouk Benhamou. *P. G. de Gennes’ Impact on Science: Volume II*, edited by Julien Bok, Jacques Prost and Françoise Brochard-Wyart, Scope: review. Level: researchers. *Contemporary Physics*, 52(4):377–378, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jamil:2011:HER

- [2597] M. Jamil. *High Energy Radiation from Black Holes: Gamma Rays, Cosmic Rays, and Neutrinos*, by Charles D. Dermer and Govind Menon, Scope: monograph. Level: graduate students and advanced researchers. *Contemporary Physics*, 52(4):378–379, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Volpe:2011:OTM

- [2598] Giovanni Volpe. *Optical Tweezers: Methods and Applications*, edited by Miles J. Padgett, Justin Molloy and David McGloin, Scope: edited book. Level: specialist. *Contemporary Physics*, 52(4):379–380, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Verma:2011:FTP

- [2599] Murli Manohar Verma. *The Future of Theoretical Physics and Cosmology: Celebrating Stephen Hawking's Contributions to Physics*, edited by G. W. Gibbons, E. P. S. Shellard and S. J. Rankin, Scope: monograph. Level: general readership. *Contemporary Physics*, 52(4):380–382, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2011:JET

- [2600] Peter J. Bussey. *Judging Edward Teller*, by Istvan Hargittai, Scope: general interest. Level: general readership. *Contemporary Physics*, 52(4):382–383, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Holland:2011:SMQ

- [2601] Peter Holland. *The Stability of Matter in Quantum Mechanics*, by E. H. Lieb and R. Seiringer, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 52(4):383–384, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Brookes:2011:OPH

- [2602] Jennifer C. Brookes. Olfaction: the physics of how smell works? *Contemporary Physics*, 52(5):385–402, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Haghighipour:2011:SEN

- [2603] Nader Haghighipour. Super-Earths: a new class of planetary bodies. *Contemporary Physics*, 52(5):403–438, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Garcia-Ojalvo:2011:PAD

- [2604] Jordi Garcia-Ojalvo. Physical approaches to the dynamics of genetic circuits: a tutorial. *Contemporary Physics*, 52(5):439–464, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jou:2011:MTE

- [2605] D. Jou and L. Restuccia. Mesoscopic transport equations and contemporary thermodynamics: an introduction. *Contemporary Physics*, 52(5):465–474, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2011:DBD

- [2606] David Bailin. Double beta decay and all that. *Contemporary Physics*, 52(5):475–478, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salama:2011:HPA

- [2607] Amgad Salama. *Hydroclimatology: Perspectives and Applications*, by Marlyn L. Shelton, Scope: reference. Level: undergraduate. *Contemporary Physics*, 52(5):479–480, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2011:EFP

- [2608] Eric Sheldon. *Exploring Fundamental Particles*, by Lincoln Wolfenstein and João P. Silva, Scope: monograph, general interest. Level: undergraduate, advanced undergraduate, scientist. *Contemporary Physics*, 52(5):480–481, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jamil:2011:QCP

- [2609] M. Jamil. *Quantum Chromodynamics: Perturbative and Nonperturbative Aspects*, by B. L. Ioffe, V. S. Fadin and L. N. Lipatov, Scope: monograph. Level: graduate students and researchers. *Contemporary Physics*, 52(5):481–482, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zetie:2011:QAG

- [2610] Ken Zetie. *A Question and Answer Guide to Astronomy*, by Pierre-Yves Bely, Scope: general interest. Level: general readership, non-specialists. *Contemporary Physics*, 52(5):482, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ryder:2011:RGC

- [2611] Lewis Ryder. *Relativity, Gravitation and Cosmology*, by Robert J. A. Lambourne, Scope: review. Level: undergraduate. *Contemporary Physics*, 52(5):482–483, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kalmus:2011:NFC

- [2612] Peter Kalmus. *Neutrino*, by Frank Close, Scope: review. Level: general readership, undergraduate, postgraduate, teacher, scientist. *Contemporary Physics*, 52(5):483–484, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2011:CHM

- [2613] Manuel Vogel. *Cosmochemistry*, by Harry Y. McSween, Jr. and Gary R. Huss, Scope: monograph. Level: advanced undergraduate students. *Contemporary Physics*, 52(5):484, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Belsley:2011:SON

- [2614] Michael Belsley. *Second-Order Nonlinear Optical Characterization Techniques: An Introduction*, by Thierry Verbiest, Koen Clays and Vincent Rodriguez, Scope: review. Level: postgraduate and researcher. *Contemporary Physics*, 52(5):484–485, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2011:AMP

- [2615] Peter J. Bussey. *Advanced Modern Physics: Theoretical Foundations*, by John Dirk Walecka, Scope: manual. Level: postgraduate. *Contemporary Physics*, 52(5):485–486, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2011:ECT

- [2616] Peter V. E. McClintock. *Experimental and Computational Techniques in Soft Condensed Matter Physics*, edited by Jeffrey Olafsen, Scope: monograph. Level: researchers and postgraduate physicists. *Contemporary Physics*, 52(5):486, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dragoman:2011:GFF

- [2617] Mircea Dragoman. *Gravitation: Foundations and Frontiers*, by T. Padmanabhan, Scope: review. Level: early career researcher. *Contempo-*

rary Physics, 52(5):486–487, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:2011:IPA

- [2618] F. W. Taylor. *An Introduction to Planetary Atmospheres*, by A. Sanchez-Lavega, Scope: monograph. Level: undergraduate. *Contemporary Physics*, 52(5):487, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:2011:KVS

- [2619] Stig Stenholm. *A Kinetic View of Statistical Physics*, by Pavel L. Krapivsky, Sidney Redner and Eli Ben-Naim, Scope: monograph. Level: advanced undergraduate, postgraduate, researcher. *Contemporary Physics*, 52(5):488, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2011:SEN

- [2620] Eric Sheldon. *Stellar Evolution and Nucleosynthesis*, by Sean G. Ryan and Andrew J. Norton, Scope: review. Level: undergraduate, advanced undergraduate, scientist. *Contemporary Physics*, 52(5):489, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ellis:2011:ITS

- [2621] R. Ellis. *An Introduction to the Theory of Stellar Structure and Evolution*, 2nd edn., by Dina Prialnik, Scope: monograph. Level: early career researcher, postgraduate, teacher. *Contemporary Physics*, 52(5):490, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ogilvie:2011:NPF

- [2622] M. Ogilvie. *Non-Perturbative Field Theory — From Two Dimensional Conformal Field Theory to QCD in Four Dimensions*, by Yitzhak Frishman and Jacob Sonnenschein, Scope: review. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 52(5):490–491, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Matravers:2011:BLD

- [2623] David Matravers. *Bayesian Logical Data Analysis for the Physical Sciences*, edited by P. C. Gregory, Scope: text book, handbook. Level: postgraduate. *Contemporary Physics*, 52(5):491–492, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2011:NMO

- [2624] Andrew Resnick. *Nanoscopy and Multidimensional Optical Fluorescence Microscopy*, edited by Alberto Diaspro, Scope: edited book, guide, review. Level: postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 52(5):492, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2011:STP

- [2625] A. H. Harker. *Statistical and Thermal Physics with Computer Applications*, by Harvey Gould and Jan Tobochnik, Scope: monograph. Level: undergraduate. *Contemporary Physics*, 52(5):492–493, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ellis:2011:SPP

- [2626] R. Ellis. *Stellar Populations: Planning for the Next Decade*, edited by G. Bruzual and S. Charlot. *Contemporary Physics*, 52(5):493, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2011:HPO

- [2627] K. Alan Shore. *Handbook of Plastic Optics*, edited by Stefan Baumer, Weinheim. *Contemporary Physics*, 52(5):494, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2011:CDP

- [2628] K. Alan Shore. *Current-Driven Phenomena in Nanoelectronics*, edited by Tamar Seideman. *Contemporary Physics*, 52(5):494–495, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2011:TPA

- [2629] K. Alan Shore. *Twisted Photons: Application of Light with Orbital Angular Momentum*, edited by Juan P. Torres and Lluís Torner. *Contemporary Physics*, 52(5):495, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sumner:2011:PDM

- [2630] Timothy J. Sumner. *Particle Dark Matter*, edited by Gianfranco Bertone. *Contemporary Physics*, 52(5):496, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Solomon:2011:GTS

- [2631] Allan I. Solomon. *Group Theory for the Standard Model of Particle Physics and Beyond*, by Ken J. Barnes. *Contemporary Physics*, 52(5):

496–497, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Thompson:2011:NHM

- [2632] Ian Thompson. *NIST Handbook of Mathematical Functions*, edited by Frank W. J. Olver, Daniel W. Lozier, Ronald F. Boisvert, Charles W. Clark. *Contemporary Physics*, 52(5):497–498, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Redfern:2011:EST

- [2633] Simon Redfern. *Elementary Scattering Theory For X-ray and Neutron Users*, by D. S. Sivia. *Contemporary Physics*, 52(5):498, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2011:FPM

- [2634] J. Rogel-Salazar. *Finitary Probabilistic Methods in Econophysics*, by Ubaldo Garibaldi and Enrico Scalas. *Contemporary Physics*, 52(5):499, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Laberge:2011:IGR

- [2635] Yves Laberge. *An Illustrated Guide to Relativity*, by Tatsu Takeuchi. *Contemporary Physics*, 52(5):499–500, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chia:2011:IOQ

- [2636] Andy Chia. *Introduction to Optical Quantum Information Processing*, by Pieter Kok and Brendon W. Lovett. *Contemporary Physics*, 52(5):500–501, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Volpe:2011:IBI

- [2637] Giovanni Volpe. *The Inverted Bowl: Introductory Accounts of the Universe and its Life*, by George H. A. Cole. *Contemporary Physics*, 52(5):501, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2011:PAO

- [2638] R. S. Shorter. *Principles of Adaptive Optics*, 3rd edn., by Robert K. Tyson. *Contemporary Physics*, 52(5):501–502, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2011:PEB

- [2639] Salvatore Esposito. *Physics Over Easy: Breakfasts with Beth and Physics*, 2nd edn., by Leonid V. Azároff. *Contemporary Physics*, 52(5): 502–503, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hughes:2011:MIT

- [2640] Marcus D. Hughes, Bjoern Lekitsch, Jiddu A. Broersma, and Winfried K. Hensinger. Microfabricated ion traps. *Contemporary Physics*, 52(6): 505–529, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ozeri:2011:TIQ

- [2641] Roe Ozeri. The trapped-ion qubit tool box. *Contemporary Physics*, 52(6):531–550, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Marangos:2011:INS

- [2642] J. P. Marangos. Introduction to the new science with X-ray free electron lasers. *Contemporary Physics*, 52(6):551–569, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Slunyaev:2011:RW

- [2643] Alexey Slunyaev, Ira Didenkulova, and Efim Pelinovsky. Rogue waters. *Contemporary Physics*, 52(6):571–590, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2011:ERR

- [2644] Peter V. E. McClintock. Essay review: *Revolutions that made the Earth*, by T. Lenton and A. Watson. ISBN 978-0-19-958704-9, Scope: monograph. Level: general reader with a science education. *Contemporary Physics*, 52(6):591–593, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sudbery:2011:ASQ

- [2645] Tony Sudbery. *The Amazing Story of Quantum Mechanics*, Scope: general interest. Level: general readership. *Contemporary Physics*, 52(6): 595, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2011:FIP

- [2646] Manuel Vogel. *Fusion: An Introduction to the Physics and Technology of Magnetic Confinement Fusion*, 2nd edn., by W. M. Stacey, Scope: textbook. Level: advanced undergraduate students. *Contemporary Physics*, 52(6):595–596, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2011:LEA

- [2647] Nikolaos E. Myridis. *At the Leading Edge: The ATLAS and CMS LHC Experiments*, edited by Dan Green, Scope: reference. Level: physicists, graduates in particle physics, engineers. *Contemporary Physics*, 52(6):596–597, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bengtsson:2011:CMC

- [2648] Ingemar Bengtsson. *Classical Measurements in Curved Space–Times*, by Fernando de Felice, Scope: monograph. Level: early career researcher, researcher. *Contemporary Physics*, 52(6):597, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2011:NRS

- [2649] Nikolaos E. Myridis. *Numerical Relativity: Solving Einstein’s Equations on the Computer*, by Th.W. Baumgarte and S. L. Shapiro, Scope: textbook. Level: advanced undergraduates, researchers, teachers, specialists, scientists. *Contemporary Physics*, 52(6):598–599, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zetie:2011:MFV

- [2650] Ken Zetie. *Michael Faraday: A Very Short Introduction*, by Frank A. J. L. James, Scope: biography, general interest. Level: general readership, non-specialists, teacher. *Contemporary Physics*, 52(6):599, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pounds:2011:CBH

- [2651] K. Pounds. *Coevolution of Black Holes and Galaxies*, edited by Luis C. Ho, Scope: conference proceedings. Level: postgraduate, researcher, specialist. *Contemporary Physics*, 52(6):599–600, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Phelps:2011:CDP

- [2652] Alan Phelps. *Complex and Dusty Plasmas: From Laboratory to Space*, edited by Vladimir E. Fortov and Gregor E. Morfill, Scope: edited

monograph. Level: postgraduate, researcher, specialist. *Contemporary Physics*, 52(6):600–601, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2011:NSH

- [2653] Nikolaos E. Myridis. *Numerical Solution of Hyperbolic Partial Differential Equations*, by John A. Trangenstein, Scope: review. Level: textbook for engineering students; engineering researchers, computer scientists. *Contemporary Physics*, 52(6):601–602, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tennyson:2011:EAP

- [2654] Jonathan Tennyson. *Exoplanet Atmospheres: Physical Processes*, by Sara Seager, Scope: reference. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 52(6):602–603, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gerry:2011:IQP

- [2655] Christopher Gerry. *Introduction to Quantum Physics and Relativity*, by Jacob Dunningham and Vlatko Vedral, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 52(6):603–604, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2011:QCQ

- [2656] Manuel Vogel. *Quantum Computation and Quantum Information*, by M. A. Nielsen and I. L. Chuang, Scope: textbook. Level: advanced undergraduate and above. *Contemporary Physics*, 52(6):604–605, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2011:ECS

- [2657] J. Rogel-Salazar. *Econophysics and Companies: Statistical Life and Death in Complex Business Networks*, by Hideaki Aoyama, Yoshi Fujiwara, Yuichi Ikeda, Hirishi Iyetomi and Wataru Souma, Scope: review. Level: advanced undergraduate and postgraduate. *Contemporary Physics*, 52(6):605–606, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2011:HSG

- [2658] P. J. Bussey. *Higher Speculations: Grand Theories and Failed Revolutions in Physics and Cosmology*, by Helge Kragh, Scope: general interest. Level: general reader. *Contemporary Physics*, 52(6):606, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2011:MWT

- [2659] Mario Bertolotti. *Methods of Wave Theory in Dispersive Media*, by M. V. KuzeleV and A. A. Rukhadze, Scope: monograph. Level: researchers and experts, students and post-graduate. *Contemporary Physics*, 52(6): 607, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hobson:2011:ODD

- [2660] Peter Hobson. *Optoelectronic Devices: Design, Modeling, and Simulation*, by Xun Li, Scope: monograph. Level: postgraduate, early career researcher, researcher, specialist, scientist and engineers. *Contemporary Physics*, 52(6):607–608, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2011:ESC

- [2661] Stephen H. Ashworth. *Energy, the Subtle Concept*, by Jennifer Coopersmith, Scope: monograph. Level: general reader with some scientific background. *Contemporary Physics*, 52(6):608–609, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2011:PPE

- [2662] P. J. Bussey. *Particle Physics Experiments at High Energy Colliders*, by John Hauptman, Scope: review. Level: postgraduate. *Contemporary Physics*, 52(6):609–610, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2011:SCD

- [2663] Manuel Vogel. *Storm and Cloud Dynamics*, 2nd edn., by W. R. Cotton, G. H. Bryan and S. C. van den Heever, Scope: monograph. Level: advanced students and experts. *Contemporary Physics*, 52(6):610–611, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pierri-Galvao:2011:DMP

- [2664] Monica Pierri-Galvao. *The Dark Matter Problem*, by Robert H. Sanders, Scope: review. Level: advanced undergraduate. *Contemporary Physics*, 52(6):611, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Virmani:2011:IQS

- [2665] S. Virmani. *Introduction to Quantum Statistical Mechanics*, 2nd edn., by N. N. Bogolubov and N. N. Bogolubov, Jr., Scope: monograph. Level:

postgraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 52(6):611–612, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Virmani:2011:QFT

- [2666] S. Virmani. *Quantum Field Theory in a Nutshell*, 2nd edn., by A. Zee, Princeton, Scope: edited book. Level: postgraduate, early career researcher, researcher, teacher, specialist, scientist. *Contemporary Physics*, 52(6):612, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barnes:2011:OPS

- [2667] Bill Barnes. *Optical Properties of Solids*, 2nd edn, by Mark Fox, Scope: monograph. Level: undergraduate, postgraduate, early career researcher, researcher. *Contemporary Physics*, 52(6):612–613, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2011:SSF

- [2668] Derry W. Jones. *Soap, Science and Flat-Screen TVs: A History of Liquid Crystals*, by David Dummur and Tim Sluckin, Scope: history of science with biographies. Level: general reader. *Contemporary Physics*, 52(6):613–614, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vedral:2011:QPF

- [2669] Vlatko Vedral. *Quantum Physics: A Fundamental Approach to Modern Physics*, by John S. Townsend, Scope: reference. Level: undergraduate. *Contemporary Physics*, 52(6):614–615, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kibble:2011:RSR

- [2670] B. P. Kibble. *Reliability in Scientific Research: Improving the Dependability of Measurements, Calculations, Equipment, and Software*, by I. R. Walker, Scope: review. Level: postgraduate, early career researcher, researcher, scientist, engineers. *Contemporary Physics*, 52(6):615–616, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Munro:2011:HPB

- [2671] Peter R. T. Munro. *Handbook of Photonics for Biomedical Science*, edited by Valery V. Tuchin, Scope: handbook. Level: graduate and practising scientist/engineer. *Contemporary Physics*, 52(6):616–617, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Counihan:2011:MCI

- [2672] Martin Counihan. *Meteorite Craters and Impact Structures of the Earth*, by Paul Hodge, Scope: reference. Level: general scientific readership. *Contemporary Physics*, 52(6):617, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2011:HBB

- [2673] Peter J. Dobson. *Handbook of Biosensors and Biosensor Kinetics*, by A. Sadana and N. Sadana, Scope: monograph. Level: general readership. *Contemporary Physics*, 52(6):617–618, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jamil:2011:NPN

- [2674] M. Jamil. *Neutron Physics for Nuclear Reactors: Unpublished Writings by Enrico Fermi*, edited by S. Esposito and O. Pisanti, Scope: monograph. Level: nuclear physicists, nuclear engineers and researchers. *Contemporary Physics*, 52(6):618–619, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2011:SSS

- [2675] Derry W. Jones. *Super Structures: The Science of Bridges, Buildings, Dams and Other Feats of Engineering*, by Mark Denny, Scope: review. Level: undergraduate or general reader. *Contemporary Physics*, 52(6):619, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2011:SME

- [2676] J. Rogel-Salazar. *Statistical Mechanics*, 3rd edn., by R. K. Pathria and P. D. Beale, Scope: textbook. Level: postgraduate or advanced undergraduate. *Contemporary Physics*, 52(6):619–620, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2011:HQM

- [2677] J. Rogel-Salazar. *Heisenberg's Quantum Mechanics*, by Mohsen Razavy, Scope: advanced textbook. Level: advanced undergraduate. *Contemporary Physics*, 52(6):620–621, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2011:PLS

- [2678] D. G. C. Jones. *Principles of Laser Spectroscopy and Quantum Optics*, by Paul R. Berman and Vladimir S. Malinovsky, Scope: review. Level:

postgraduate. *Contemporary Physics*, 52(6):621–622, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2011:BIC

- [2679] P. J. Bussey. *The Beautiful Invisible: Creativity, Imagination and Theoretical Physics*, by Giovanni Vignale, Scope: general interest. Level: general readership. *Contemporary Physics*, 52(6):622–623, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Michette:2011:IXP

- [2680] Alan Michette. *Introduction to XAFS. A Practical Guide to X-ray Absorption Fine Structure Spectroscopy*, by Grant Bunker, Scope: monograph. Level: postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 52(6):623, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2011:MAQ

- [2681] Thomas Peters. *Mathematical Aspects of Quantum Field Theory*, by E. de Faria and W. de Melo, Scope: monograph. Level: graduate. *Contemporary Physics*, 52(6):623–624, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McFarland:2011:ATC

- [2682] John McFarland. *Astrophysics and Twentieth-Century Astronomy to 1950: Part A*, edited by O. Gingerich, Scope: edited book. Level: pre-university, undergraduate, postgraduate, researcher. *Contemporary Physics*, 52(6):624–625, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tiwari:2011:ENW

- [2683] S. C. Tiwari. *Emmy Noether's Wonderful Theorem*, by D. E. Neuen-schwander, Scope: monograph. Level: senior undergraduate/graduate physics students. *Contemporary Physics*, 52(6):625–626, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gursoy:2011:SII

- [2684] Doğa Gürsoy. *The Science of Imaging: An Introduction*, 2nd edn., by Graham Saxby, Scope: general interest. Level: general readership, non-specialists, undergraduates, teachers. *Contemporary Physics*, 52(6):626, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2011:PCO

- [2685] Nikolaos E. Myridis. *Paradigms of Combinatorial Optimization: Problems and New Approaches*, edited by Vangelis T. Paschos, Scope: edited book. Level: postgraduate, researcher, teacher, scientist. *Contemporary Physics*, 52(6):626–627, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Andrews:2011:IQO

- [2686] David L. Andrews. *Introduction to Quantum Optics: From the Semi-Classical Approach to Quantized Light*, by Gilbert Grynberg, Alain Aspect and Claude Fabre, Scope: monograph. Level: postgraduate, early career researcher, researcher, teacher, specialist, scientist. *Contemporary Physics*, 52(6):627–628, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gotte:2011:QMQ

- [2687] Jörg Götze. *Quantum Mechanics and Quantum Field Theory: A Mathematical Primer*, by Jonathan Dimock, Scope: reference. Level: postgraduate. *Contemporary Physics*, 52(6):628–629, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2011:WGR

- [2688] D. J. Miller. *What are Gamma-Ray Bursts?*, by Joshua S. Bloom, Scope: review. Level: non-specialists. *Contemporary Physics*, 52(6):629–630, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2011:TSM

- [2689] Thomas Peters. *Turbulence and Shell Models*, by P. D. Ditlevsen, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 52(6):630–631, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Joseph:2011:HOU

- [2690] Robert D. Joseph. *How Old is the Universe?*, by David A. Weintraub, Scope: review. Level: undergraduate. *Contemporary Physics*, 52(6):631–632, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Martin:2011:QPP

- [2691] Alan Martin. *Quantum Physics for Poets*, by Leon M. Lederman and Christopher T. Hill, Scope: general interest. Level: general readership.

Contemporary Physics, 52(6):632, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milburn:2011:CQI

- [2692] Gerard Milburn. *Classical and Quantum Information*, by D. C. Marinescu and G. M. Marinescu, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 52(6):632–633, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hendry:2011:LGA

- [2693] Martin Hendry. *Lectures on Gravitation*, by Ashok Das, Scope: review. Level: postgraduate, early career researcher, researcher, teacher. *Contemporary Physics*, 52(6):633–634, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Palfy:2011:QSH

- [2694] Adriana Pálffy. *The Quantum Story: A History in 40 Moments*, by Jim Baggott, Scope: general interest. Level: general readership. *Contemporary Physics*, 52(6):634–635, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2011:ADS

- [2695] Miguel A. F. Sanjuán. *Adaptation in Dynamical Systems*, by Ivan Tyukin, Scope: monograph, reference. Level: general reader, undergraduate, postgraduate, specialist. *Contemporary Physics*, 52(6):635, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Duxbury:2011:CMI

- [2696] Geoffrey Duxbury. *Concepts and Methods of 2D Infrared Spectroscopy*, by Peter Hamm and Martin Zanni, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 52(6):636, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2011:EB

- [2697] Anonymous. Editorial board. *Contemporary Physics*, 52(6):ebi, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ralph:2012:RQI

- [2698] Timothy C. Ralph and Tony G. Downes. Relativistic quantum information and time machines. *Contemporary Physics*, 53(1):1–16, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Balenzuela:2012:GSR

- [2699] Pablo Balenzuela, Holger Braun, and Dante R. Chialvo. The ghost of stochastic resonance: an introductory review. *Contemporary Physics*, 53(1):17–38, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Raine:2012:PBL

- [2700] Derek Raine and Sarah Symons. Problem-based learning: undergraduate physics by research. *Contemporary Physics*, 53(1):39–51, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2012:ERN

- [2701] Eric Sheldon. Essay review: *Neutrino Physics*, 2nd edn., by K. Zuber. ISN 978-1-4200-6471-1, Scope: textbook, review level: postgraduate, researcher, specialist. *Contemporary Physics*, 53(1):53–54, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harris:2012:WRE

- [2702] David Harris. *Waves and Rays in Elastic Continua*, by Michael A. Slawinski, Scope: monograph. Level: postgraduate, scientist, engineers. *Contemporary Physics*, 53(1):55, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lovesey:2012:OIS

- [2703] S. W. Lovesey. *Optical Interactions in Solids*, 2nd edn, Scope: monograph. Level: researcher. *Contemporary Physics*, 53(1):56, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

delCampo:2012:FNF

- [2704] Adolfo del Campo. *Fundamentals and New Frontiers of Bose–Einstein Condensation*, Scope: monograph. Level: advanced graduate and postgraduate students and researchers. *Contemporary Physics*, 53(1):56–57, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salama:2012:CMI

- [2705] Amgad Salama. *Classical Mechanics Illustrated by Modern Physics: 42 Problems with Solutions*, Scope: reference. Level: undergraduate. *Contemporary Physics*, 53(1):57, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jamil:2012:MAN

- [2706] M. Jamil. *Modern Atomic and Nuclear Physics (Revised Edition): Problems and Solutions Manual*, Scope: manual. Level: graduate students and researchers. *Contemporary Physics*, 53(1):58, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2012:LUS

- [2707] P. J. Bussey. *Lawless Universe: Science and the Hunt for Reality*, Scope: general interest. Level: general reader. *Contemporary Physics*, 53(1):58–59, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cowan:2012:THJ

- [2708] B. Cowan. *Thermodynamics*, by H. J. Kreuzer and Isaac Tamblyn, Scope: manual. Level: undergraduate. *Contemporary Physics*, 53(1):59–60, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2012:FEE

- [2709] Barrie W. Jones. *Formation and Evolution of Exoplanets*, edited by Rory Barnes, Scope: monograph. Level: scientist. *Contemporary Physics*, 53(1):60–61, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2012:PHB

- [2710] Manuel Vogel. *Physics of the Human Body*, by Richard P. McCall, Scope: monograph/essay. Level: undergraduate students. *Contemporary Physics*, 53(1):69, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2012:NWM

- [2711] Miguel A. F. Sanjuán. *Nonlinear Wave Methods for Charge Transport*, by Luis L. Bonilla and Stephen W. Teitworth, Scope: monograph. Level: graduate students and specialists. *Contemporary Physics*, 53(1):61–62, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2012:TPS

- [2712] Matt Probert. *Thermodynamic Properties of Solids: Experiment and Modeling*, edited by Samrath L. Chaplot, Ranjan Mittal and Narayani Choudhury, Scope: review. Level: postgraduate, early career researcher,

researcher. *Contemporary Physics*, 53(1):62–63, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2012:AMG

- [2713] Thomas Peters. *Advanced Mechanics and General Relativity*, by J. Franklin, Scope: textbook. Level: graduate. *Contemporary Physics*, 53(1):63–64, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

MacKay:2012:DUM

- [2714] R. S. MacKay. *The Dark Universe: Matter, Energy, and Gravity*, edited by Mario Livio, Scope: review. Level: general readership. *Contemporary Physics*, 53(1):64–65, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2012:ITC

- [2715] S. J. Blundell. *Introduction to the Theory of Critical Phenomena: Mean Field, Fluctuations and Renormalization*, 2nd edn., by Dimo I. Uzunov, Scope: research monograph. Level: early career researcher, researcher. *Contemporary Physics*, 53(1):65–66, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lawrie:2012:CGA

- [2716] Ian Lawrie. *Canonical Gravity and Applications: Cosmology, Black Holes, and Quantum Gravity*, by M. Bojowald, Scope: monograph. Level: postgraduate, early career researcher. *Contemporary Physics*, 53(1):66–67, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Senekerimyan:2012:OSB

- [2717] Vahan Senekerimyan. *Optical Sensors: Basics and Applications*, by J. Haus, Scope: general interest, monograph. Level: general readership, non-specialists, undergraduates, teachers. *Contemporary Physics*, 53(1):67, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Siklos:2012:EST

- [2718] S. T. C. Siklos. *Exact Space–Times in Einstein’s General Relativity*, by Jerry B. Griffiths and Jiří Podolský, Scope: reference. Level: postgraduate. *Contemporary Physics*, 53(1):67–69, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2012:FOP

- [2719] K. Alan Shore. *Fiber Optics: Physics and Technology*, by Fedor Mitschke, Scope: manual. Level: advanced undergraduate and postgraduate. *Contemporary Physics*, 53(1):69–70, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2012:NEB

- [2720] K. Alan Shore. *Nanoimaging*, edited by Beth A. Goins and William T. Phillips, Scope: research monograph. Level: postgraduate and beyond. *Contemporary Physics*, 53(1):70–71, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2012:HSS

- [2721] Manuel Vogel. *Heliophysics: Space Storms and Radiation: Causes and Effects*, edited by C. J. Schrijver and G. L. Siscoe, Scope: monograph. Level: advanced undergraduate and above. *Contemporary Physics*, 53(1):71, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salama:2012:FEP

- [2722] Amgad Salama. *Foundations of Environmental Physics: Understanding Energy Use and Human Impacts*, by Kyle Forinash, Scope: monograph, reference. Level: undergraduate, teacher, scientist, engineers. *Contemporary Physics*, 53(1):71–72, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sivakumar:2012:IQO

- [2723] S. Sivakumar. *An Introduction to Quantum Optics: Photon and Biphoton Physics*, Scope: monograph. Level: researchers and lecturers. *Contemporary Physics*, 53(1):72–73, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kourkouvelis:2012:RMS

- [2724] Nikolaos Kourkouvelis. *Research Methods for Science*, by Michael P. Marder, Scope: handbook. Level: undergraduate. *Contemporary Physics*, 53(1):73, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Seferyan:2012:SGO

- [2725] Hrant Ye. Seferyan. *Supercontinuum Generation in Optical Fibers*, edited by J. M. Dudley and J. R. Taylor, Scope: edited book, handbook, reference, review. Level: postgraduate, early career researcher, researcher,

specialist, scientist, engineers. *Contemporary Physics*, 53(1):74–75, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Isenberg:2012:CMA

- [2726] C. Isenberg. *Classical Mechanics with Applications*, by Porter Wear Johnson, Scope: general interest. Level: undergraduate and postgraduate. *Contemporary Physics*, 53(1):75–76, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2012:RFA

- [2727] Peter J. Bussey. *Relativity in Fundamental Astronomy: Dynamics, Reference Frames, and Data Analysis*, IAU Symposium 261, edited by S. A. Klioner, P. K. Seidelmann and M. H. Soffel, Scope: conference proceedings. Level: researcher. *Contemporary Physics*, 53(1):76–77, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2012:QPT

- [2728] J. Rogel-Salazar. *Quantum Phase Transitions*, 2nd edn., by S. Sachdev, Scope: textbook. Level: postgraduate or advanced undergraduate. *Contemporary Physics*, 53(1):77, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2012:EPT

- [2729] Thomas Peters. *Elements of Phase Transitions and Critical Phenomena*, by H. Nishimori and G. Ortiz, Scope: textbook. Level: graduate. *Contemporary Physics*, 53(1):78, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Garcia-Morales:2012:CGL

- [2730] Vladimir García-Morales and Katharina Krischer. The complex Ginzburg–Landau equation: an introduction. *Contemporary Physics*, 53(2):79–95, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Faccio:2012:LPA

- [2731] Daniele Faccio. Laser pulse analogues for gravity and analogue Hawking radiation. *Contemporary Physics*, 53(2):97–112, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Learned:2012:CGI

- [2732] John G. Learned, R.-P. Kudritzki, Sandip Pakvasa, and A. Zee. The Cepheid galactic Internet. *Contemporary Physics*, 53(2):113–118, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gammaitoni:2012:TPE

- [2733] Luca Gammaitoni. There's plenty of energy at the bottom (micro and nano scale nonlinear noise harvesting). *Contemporary Physics*, 53(2): 119–135, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Janson:2012:NLD

- [2734] Natalia B. Janson. Non-linear dynamics of biological systems. *Contemporary Physics*, 53(2):137–168, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2012:FHN

- [2735] S. Esposito. *The fisherman and his net: is Physics discovered or invented?*, Scope: monograph. Level: advanced undergraduate, postgraduate, specialist researcher. *Contemporary Physics*, 53(2):169–172, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2012:PLE

- [2736] Manuel Vogel. *Principles of Lasers*, 5th edn., by O. Svelto, Scope: monograph. Level: advanced undergraduate and above. *Contemporary Physics*, 53(2):173, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2012:IBS

- [2737] B. Ishak and J. McFarland. *Icy Bodies of the Solar System (IAU S263)*. *Proceedings of the IAU Symposia and Colloquia*, edited by J. A. Fernández, D. Lazarro, D. Prialnik and R. Schulz. Scope: wide-ranging review. Level: postgraduates and specialists. *Contemporary Physics*, 53(2):173–174, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2012:HEA

- [2738] D. J. Miller. *High Energy Astrophysics*, 3rd edn., by Malcolm S. Longair, Scope: monograph. Level: undergraduate. *Contemporary Physics*, 53(2): 174–175, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2012:CCO

- [2739] Nikolaos E. Myridis. *Concepts of Combinatorial Optimization*, edited by Vangelis Th. Paschos, Scope: edited book. Level: researchers, practitioners, MSc or Ph.D. students. *Contemporary Physics*, 53(2):175–176, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chakraborty:2012:IST

- [2740] Aniruddha Chakraborty. *Introductory Statistical Thermodynamics*, by Nils Dalarsson, Mariana Dalarsson and Leonardo Golubovic, Scope: review. Level: undergraduate. *Contemporary Physics*, 53(2):176, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2012:PCG

- [2741] Eric Sheldon. *Primordial Cosmology*, by Giovanni Montani, Marco Valerio Battisti, Riccardo Benini and Giovanni Imponente, Scope: review, textbook. Level: researcher, specialist, scientist. *Contemporary Physics*, 53(2):176–177, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2012:KHD

- [2742] Peter J. Bussey. *Knocking on Heaven's Door: How Physics and Scientific Thinking Illuminate The Universe and the Modern World*, by Lisa Randall, Scope: general interest. Level: general reader. *Contemporary Physics*, 53(2):178, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2012:ACO

- [2743] Nikolaos E. Myridis. *Applications of Combinatorial Optimization*, edited by Vangelis Th. Paschos, Scope: edited book. Level: researchers, practitioners, MSc or Ph.D. students. *Contemporary Physics*, 53(2):178–179, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2012:APP

- [2744] Thomas Peters. *Advanced Particle Physics, Volume I: Particles, Fields, and Quantum Electrodynamics*, by O. M. Boyarkin. *Advanced Particle Physics, Volume II: The Standard Model and Beyond*, by O. M. Boyarkin. Scope: monograph. Level: graduate, Scope: monograph. Level graduate. *Contemporary Physics*, 53(2):179–180, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2012:STC

- [2745] Miguel A. F. Sanjuán. *Stochastic Transport in Complex Systems: From Molecules to Vehicles*, by Andreas Schadschneider, Scope: review. Level: graduate students and specialists. *Contemporary Physics*, 53(2):180–181, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2012:PFQ

- [2746] D. G. C. Jones. *Physical Foundations of Quantum Electronics*, by David Klyshko, edited by Maria Chekhova and Sergey Kulik, Scope: edited book. Level: postgraduate. *Contemporary Physics*, 53(2):181–182, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dragoman:2012:PUM

- [2747] Mircea Dragoman. *Physics of the Universe*, by Mendel Sachs, Scope: review. Level: scientist. *Contemporary Physics*, 53(2):182, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2012:HDF

- [2748] D. J. Miller. *How did the First Stars and Galaxies Form?*, by Abraham Loeb, Scope: review. Level: non-specialists. *Contemporary Physics*, 53(2):183, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dimakis:2012:CNA

- [2749] Nicholas Dimakis. *Computational Nanoscience: Applications for Molecules, Clusters, and Solids*, by Kálmán Varga and Joseph A. Driscoll, Scope: review. Level: advanced undergraduates and graduate students in computational physics, material science, and engineering. *Contemporary Physics*, 53(2):183–184, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2012:RAS

- [2750] Andrew Resnick. *Recent Advances in Spectroscopy: Theoretical, Astrophysical and Experimental Perspectives*, edited by R. K. Chaudhuri, M. V. Mekkaden, A. V. Raveendran, A. Satya Narayanan, Scope: conference proceedings. Level: postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 53(2):184–185, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2012:PTE

- [2751] Peter J. Bussey. *Physics at the Terascale*, edited by I. Brock and T. Schörner-Sadenius, Scope: reference. Level: researcher. *Contemporary Physics*, 53(2):185, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Whitaker:2012:INO

- [2752] Benjamin J. Whitaker. *Introduction to Nonlinear Optics*, by Geoffrey New, Scope: reference. Level: postgraduate. *Contemporary Physics*, 53

(2):186, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Munro:2012:FFT

- [2753] Peter R. T. Munro. *The Fallacy of Fine-Tuning: Why The Universe is Not Designed for Us*, by Victor J. Stenger, Scope: general interest. Level: general readership. *Contemporary Physics*, 53(2):186–187, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Carroll:2012:FCI

- [2754] J. E. Carroll. *Fractional Calculus: An Introduction For Physicists*, by Richard Herrmann, Scope: review. Level: specialist. *Contemporary Physics*, 53(2):187–188, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2012:YAL

- [2755] Salvatore Esposito. *50 Years of Anderson Localization*, edited by Elihu Abrahams, Scope: edited book. Level: undergraduate, postgraduate, researcher, specialist. *Contemporary Physics*, 53(2):188–189, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2012:QGP

- [2756] David Bailin. *Quark–Gluon Plasma 4*, edited by Rudolph C. Hwa and Xin-Nian Wang, Scope: edited book, monograph. Level: specialist. *Contemporary Physics*, 53(2):189–190, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Carter:2012:FCA

- [2757] R. G. Carter. *Field Computation for Accelerator Magnets: Analytical and Numerical Methods for Electromagnetic Design and Optimization*, by Stephan Russenschuck, Scope: monograph, reference. Level: postgraduate, researcher, specialist. *Contemporary Physics*, 53(2):190–191, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Solomon:2012:SCL

- [2758] Allan Solomon. *Symmetries and Conservation Laws in Particle Physics: An Introduction to Group Theory for Particle Physicists*, by Stephen Haywood, Scope: monograph. Level: undergraduate, postgraduate, early career researcher. *Contemporary Physics*, 53(2):191–192, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Schutz:2012:NHQ

- [2759] G. M. Schütz. *Non-Hermitian Quantum Mechanics*, by Nimrod Moiseyev, Scope: monograph, reference. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 53(2):192, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2012:NTP

- [2760] Andrew Resnick. *New Trends in the Physics and Mechanics of Biological Systems: Lecture Notes of the Les Houches Summer School*, Volume 92, edited by Martine Ben Amar, Alain Goriely, Martin Michael Müller and Leticia Cugliandolo, Scope: conference proceedings. Level: undergraduate, postgraduate, early career researcher, teacher, specialist. *Contemporary Physics*, 53(2):193, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rajantie:2012:IMM

- [2761] Arttu Rajantie. Introduction to magnetic monopoles. *Contemporary Physics*, 53(3):195–211, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

House:2012:MEN

- [2762] Thomas House. Modelling epidemics on networks. *Contemporary Physics*, 53(3):213–225, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chevrollier:2012:RTL

- [2763] Martine Chevrollier. Radiation trapping and lévy flights in atomic vapours: an introductory review. *Contemporary Physics*, 53(3):227–239, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dombey:2012:IPF

- [2764] Norman Dombey. *The Infinity Puzzle*, by F. Close, Scope: reference. Level: general reader. *Contemporary Physics*, 53(3):241–245, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2012:ERP

- [2765] Derry W. Jones. Essay review: Physics letters: the Stokes–Thomson effect. *The Correspondence between Sir George Gabriel Stokes and Sir William Thomson, Baron Kelvin of Largs: Vols. 1 & 2*, edited by D. B.

Wilson, Scope: review. Level: final-year science undergraduate. *Contemporary Physics*, 53(3):247–250, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Foreman:2012:SSP

- [2766] Matthew R. Foreman. *Statistical Signal Processing of Complex-Valued Data: The Theory of Improper and Noncircular Signals*, by Peter J. Schreier and Louis L. Scharf, Scope: textbook. Level: postgraduate, researcher. *Contemporary Physics*, 53(3):251–252, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Benhamou:2012:PPS

- [2767] Mabrouk Benhamou. *Polymer Physics: From Suspension to Nanocomposites and Beyond*, edited by Leszek A. Utracki and Alexander M. Jamieson, Scope: review. Level: researcher. *Contemporary Physics*, 53(3):252–253, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zetie:2012:RQM

- [2768] Ken Zetie. *Relativity for the Questioning Mind*, by Daniel F. Styer, Scope: general interest. Level: undergraduate. *Contemporary Physics*, 53(3):253, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zhu:2012:BEC

- [2769] Xuetao Zhu. *Basic Elements of Crystallography*, by Nevill Gonzalez Szwacki and Teresa Szwacka, Scope: handbook, reference. Level: non-specialists, undergraduate, postgraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 53(3):253–254, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2012:QRB

- [2770] Peter J. Bussey. *The Quest for Reality: Bohr and Wittgenstein — Two Complementary Views*, by S. Stenholm, Scope: general interest. Level: scientist. *Contemporary Physics*, 53(3):254–255, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kourkouvelis:2012:NPB

- [2771] Nikolaos Kourkouvelis. *Nanocomposite Particles for Bio-Applications: Materials and Bio-Interfaces*, by Tito Trindade and Ana L. Daniel da Silva, Scope: edited book. Level: postgraduate, early career researcher,

researcher, specialist, scientist. *Contemporary Physics*, 53(3):255–256, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2012:ERG

- [2772] David Bailin. Essay review: The geese that never cackled. *Secret Days: Codebreaking in Bletchley Park*, by Asa Briggs. ISBN 978-1-84832-615-6, Scope: review. Level: general readership. *Contemporary Physics*, 53(3): 256–262, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milonni:2012:SNI

- [2773] Peter W. Milonni. *Science at the Nanoscale: An Introductory Textbook*, by C. W. Shong, S. C. Haur and A. T. S. Wee, Scope: monograph. Level: undergraduate. *Contemporary Physics*, 53(3):262, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2012:PPO

- [2774] S. J. Blundell. *Properties of Perovskites and Other Oxides*, by K. Alex Müller and Tom W. Kool, Scope: monograph. Level: researcher. *Contemporary Physics*, 53(3):263, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Duxbury:2012:AIP

- [2775] Geoffrey Duxbury. *Advances in Infrared Photodetectors*, edited by Sarath D. Gunapala, David R. Rhiger and Chennupatti Jagadish, Scope: monograph. Level: early career researcher. *Contemporary Physics*, 53(3):263–264, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2012:WRC

- [2776] A. H. Harker. *Wavefronts and Rays as Characteristics and Asymptotics*, by A. Bóna and M. A. Slawinski, Scope: monograph. Level: researcher. *Contemporary Physics*, 53(3):265, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2012:NCP

- [2777] A. H. Harker. *Nanocomputing: Computational Physics for Nanoscience and Nanotechnology*, by James J. Y. Hsu, Scope: monograph. Level: undergraduate, postgraduate. *Contemporary Physics*, 53(3):265–266, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pounds:2012:EUA

- [2778] K. A. Pounds. *The Expanding Universe: Astronomy's 'Great Debate', 1900–1931*, by Robert W. Smith, Scope: general interest, monograph. Level: general readership, non-specialists. *Contemporary Physics*, 53(3):266–267, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Duxbury:2012:SAE

- [2779] Geoffrey Duxbury. *3D Spectroscopy in Astronomy*, edited by E. Mediavilla, S. Arribas, M. Roth, J. Cepa-Nogué and F. Cepa-Nogué, Scope: guide. Level: researcher. *Contemporary Physics*, 53(3):267–268, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Reipurth:2012:SCB

- [2780] Bo Reipurth. *Star Clusters: Basic Galactic Building Blocks Throughout Time and Space*, IAU S266, edited by Richard de Grijs and Jacques Lépine, Scope: conference proceedings. Level: postgraduate, early career researcher, researcher, scientist. *Contemporary Physics*, 53(3):268–269, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Athorne:2012:SPC

- [2781] Chris Athorne. *Solved Problems in Classical Mechanics: Analytical and Numerical Solutions with Comments*, by O. L. de Lange and J. Pierrus, Scope: review. Level: undergraduate. *Contemporary Physics*, 53(3):269, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2012:SCM

- [2782] J. Rogel-Salazar. *Stochastic Control and Mathematical Modeling: Applications in Economics*, by H. Morimoto, Scope: review. Level: advanced postgraduate or scientist. *Contemporary Physics*, 53(3):269–270, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2012:OPA

- [2783] D. G. C. Jones. *Optically Pumped Atoms*, by William Happer, Yuan-Yu Jau and Thad G. Walker, Scope: monograph. Level: undergraduate, postgraduate. *Contemporary Physics*, 53(3):270–271, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2012:EOI

- [2784] Matt Probert. *Engineering Optimisation: An Introduction with Metaheuristic Applications*, by Xin-She Yang, Scope: reference. Level: undergraduate, postgraduate, early career researcher, researcher, specialist, scientist, engineers. *Contemporary Physics*, 53(3):271–272, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2012:SNR

- [2785] Peter J. Dobson. *Superlattice to Nanoelectronics*, by Raphael Tsu, Scope: reference. Level: postgraduate, early career researcher, researcher, teacher, specialist, scientist. *Contemporary Physics*, 53(3):272–273, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2012:IST

- [2786] David Bailin. *An Introduction to String Theory and D-Brane Dynamics: With Problems and Solutions*, 2nd edn., by Richard J. Szabo, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 53(3):273–274, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Volpe:2012:OPM

- [2787] Giovanni Volpe. *Optical Processes in Microparticles and Nanostructures*, A Festschrift, dedicated to Richard Kounai Chang on his Retirement from Yale University, edited by Ali Serpengüzel and Andrew W. Poon, Scope: review. Level: practitioners. *Contemporary Physics*, 53(3):274–275, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2012:ASI

- [2788] Stephen H. Ashworth. *Astronomical Spectroscopy: An Introduction to the Atomic and Molecular Physics of Astronomical Spectra*, 2nd edn., by Jonathan Tennyson. *Atomic Astrophysics and Spectroscopy*, by Anil K. Pradhan and Sultana N. Nahar. Scope: textbook. Level: undergraduate. Scope: textbook. Level: advanced undergraduate/postgraduate. *Contemporary Physics*, 53(3):275–276, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sykes:2012:MCA

- [2789] J. M. Sykes. *The Magnesium Civilisation: An Alternative New Source of Energy to Oil*, by Takashi Yabe and Tatsuya Yamaji, Scope: gen-

eral interest. Level: general readership and non-specialists. *Contemporary Physics*, 53(3):276–277, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2012:FMS

- [2790] Salvatore Esposito. *Fluid Mechanics: A Short Course for Physicists*, by Gregory Falkovich, Scope: handbook. Level: undergraduate and postgraduate. *Contemporary Physics*, 53(3):277–278, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Freise:2012:OMF

- [2791] A. Freise. *Optical Metamaterials: Fundamentals and Applications*, by W. Cai and V. Shalaev, Scope: handbook, review. Level: undergraduate, postgraduate, early career researcher, researcher, specialist, scientist, engineers. *Contemporary Physics*, 53(3):278–279, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fox:2012:FSP

- [2792] A. M. Fox. *Fundamentals of Semiconductors: Physics and Materials Properties*, 4th edn., by Peter Y. Yu and Manuel Cardona, Scope: manual. Level: postgraduate. *Contemporary Physics*, 53(3):279–280, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Solomon:2012:AUS

- [2793] Allan I. Solomon. *Applications of Unitary Symmetry and Combinatorics*, by James D. Louck, Scope: monograph. Level: specialist. *Contemporary Physics*, 53(3):280, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2012:NMM

- [2794] A. H. Harker. *Numerical Modeling in Materials Science and Engineering*, Springer Series in Computational Mathematics, Vol. 32, by M. Rappaz, M. Bellet, and M. Deville, translated by R. Snyder, Scope: monograph. Level: undergraduate, postgraduate. *Contemporary Physics*, 53(3):280–281, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bucknall:2012:FSA

- [2795] D. G. Bucknall. *Functional Supramolecular Architectures: For Organic Electronics and Nanotechnology*, 2 Volume set, edited by P. Samorì and F. Cacialli, Scope: edited book. Level: postgraduate, early career researcher, researcher, specialist. *Contemporary Physics*, 53(3):281–282,

2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pálffy:2012:QEP

- [2796] Adriana Pálffy. *Quantum Enigma: Physics Encounters Consciousness*, 2nd edn., by Bruce Rosenblum and Fred Kuttner, Scope: general interest. Level: general readership. *Contemporary Physics*, 53(3):282–283, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milburn:2012:QET

- [2797] Gerard Milburn. *Quantum Engineering: Theory and Design of Quantum Coherent Structures*, by A. M. Zagoskin, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 53(3):283–284, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2012:ANE

- [2798] Peter J. Dobson. *Advances in Nanotechnology and the Environment*, edited by Juyoung Kim, Scope: review. Level: researcher, specialist and scientist. *Contemporary Physics*, 53(3):284–285, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sykes:2012:ENP

- [2799] John Sykes. *Electrochemical Nanofabrication: Principles and Applications*, edited by Di Wei, Scope: edited book. Level: early career researcher, researcher, specialist and scientist. *Contemporary Physics*, 53(3):285–286, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hobson:2012:ONV

- [2800] Peter R. Hobson. *Optics of Nanomaterials*, by Vladimir I. Gavrilenko, Scope: monograph. Level: postgraduate, early career researcher, scientist and engineers. *Contemporary Physics*, 53(3):286–287, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chakraborty:2012:RQP

- [2801] Aniruddha Chakraborty. *Relativistic Quantum Physics: From Advanced Quantum Mechanics to Introductory Quantum Field Theory*, by Tommy Ohlsson, Scope: review. Level: undergraduate. *Contemporary Physics*, 53(3):287, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2012:EME

- [2802] Manuel Vogel. *Electricity and Magnetism*, 2nd ed., by Edward Purcell, Scope: monograph. Level: undergraduate. *Contemporary Physics*, 53(3): 287–288, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2012:LPC

- [2803] Nikolaos E. Myridis. *Lasers in the Preservation of Cultural Heritage: Principles and Applications*, by C. Fotakis, D. Anglos, V. Zafirooulos, S. Georgiou, and V. Tornari, Scope: edited book. Level: researchers, practitioners, postgraduate students. *Contemporary Physics*, 53(3):288–289, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2012:OMT

- [2804] K. Alan Shore. *Optical Measurement Techniques: Innovations for Industry and the Life Sciences*, Springer Series in Optical Sciences, Vol. 136, by Kai-Erik Peiponen, Risto Mullylä and Alexander V. Priezhev, Scope: monograph. Level: postgraduate and beyond. *Contemporary Physics*, 53(3):289, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2012:SQO

- [2805] K. Alan Shore. *Semiconductor Quantum Optics*, by Mackillo Kira and Stephan W. Koch, Scope: monograph, reference. Level: advanced undergraduate and postgraduate. *Contemporary Physics*, 53(3):289–290, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Greenland:2012:MTP

- [2806] P. T. Greenland. *The Mesoscopic Theory of Polymer Dynamics*, 2nd edn., Springer Series in Chemical Physics, Vol. 95, by V. N. Pokrovskii, Scope: monograph. Level: specialist. *Contemporary Physics*, 53(3):290–291, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:2012:CLB

- [2807] F. W. Taylor. *Collisional Line Broadening and Shifting of Atmospheric Gases: A Practical Guide for Line Shape Modelling by Current Semi-Classical Approaches*, by J. Buldyreva, N. Lavrentiveva and V. Starikov, Scope: reference. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 53(3):291, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

MacKay:2012:PGR

- [2808] R. S. MacKay. *Probability on Graphs: Random Processes on Graphs and Lattices*, by G. Grimmett, Scope: monograph. Level: postgraduate, researcher, specialist. *Contemporary Physics*, 53(3):291–292, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2012:FCP

- [2809] David Bailin. *Fast Car Physics*, by Chuck Edmondson, Scope: general interest. Level: pre-university, undergraduate. *Contemporary Physics*, 53(3):292–293, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Close:2012:HBB

- [2810] Frank Close. Higgs boson: beginning of the end or end of the beginning? *Contemporary Physics*, 53(4):295–300, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

OConnell:2012:RRG

- [2811] R. F. O’Connell. Radiation reaction: general approach and applications, especially to electrodynamics. *Contemporary Physics*, 53(4):301–313, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

DiBari:2012:ILN

- [2812] Pasquale Di Bari. An introduction to leptogenesis and neutrino properties. *Contemporary Physics*, 53(4):315–338, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gomboc:2012:USG

- [2813] Andreja Gomboc. Unveiling the secrets of gamma ray bursts. *Contemporary Physics*, 53(4):339–355, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2012:OSU

- [2814] Eric Sheldon. *Our single UNiverse or a plethora of MULTiverses?*, Scope: general interest. Level: general readership, scientist. *Contemporary Physics*, 53(4):357–360, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Quenby:2012:ITE

- [2815] John Quenby. *Introduction to the Theory of the Early Universe: Cosmological Perturbations and Inflation Theory*, by Dimitry S. Gorbunov and

Valery A. Rubakov, Scope: monograph. Level: postgraduates and early career researchers. *Contemporary Physics*, 53(4):361–362, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jamil:2012:FNM

- [2816] M. Jamil. *Fundamentals of Nuclear Models: Foundational Models*, by David J. Rowe and John L. Wood, Scope: monograph. Level: graduate students and researchers. *Contemporary Physics*, 53(4):363, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Linton:2012:IMW

- [2817] Chris Linton. *An Introduction to Metamaterials and Waves in Composites*, by B. Banerjee, Scope: textbook. Level: graduate and advanced undergraduate. *Contemporary Physics*, 53(4):363–364, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2012:MPP

- [2818] Thomas Peters. *Modern Plasma Physics, Volume 1: Physical Kinetics of Turbulent Plasmas*, by P. H. Diamond, S.-I. Itoh and K. Itoh, Scope: textbook. Level: graduate. *Contemporary Physics*, 53(4):364–365, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Benedict:2012:UQP

- [2819] Keith Benedict. *Understanding Quantum Phase Transitions*, edited by Lincoln Carr, Scope: edited book. Level: postgraduate, early career researcher and researcher. *Contemporary Physics*, 53(4):365–366, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2012:LPG

- [2820] D. G. C. Jones. *Light Propagation in Gain Media Media: Optical Amplifiers*, by Malin Premaratne and Govind P. Agrawal, Scope: textbook. Level: postgraduate and early career researcher. *Contemporary Physics*, 53(4):366, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2012:LDS

- [2821] Thomas Peters. *Lectures on Dynamics of Stochastic Systems*, by V. I. Klyatskin, Scope: textbook. Level: graduate. *Contemporary Physics*, 53(4):366–367, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tiwari:2012:GMV

- [2822] S. C. Tiwari. *Gribov-80 Memorial Volume: Quantum Chromodynamics and Beyond*, edited by Yu. L. Dokshitzer, P. Lévai and J. Nyíri, Scope: conference proceedings. Level: specialist. *Contemporary Physics*, 53(4):367–368, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cole:2012:ISM

- [2823] Milton W. Cole. *Introduction to Statistical Mechanics*, by John Dirk Walecka, Scope: monograph. Level: postgraduate and teacher. *Contemporary Physics*, 53(4):368, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2012:FTN

- [2824] Thomas Peters. *Field Theory of Non-Equilibrium Systems*, by A. Kamenev, Scope: textbook. Level: graduate. *Contemporary Physics*, 53(4):368–369, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2012:FSR

- [2825] J. Rogel-Salazar. *First Steps in Random Walks: From Tools to Applications*, by J. Klafter and I. M. Sokolov, Scope: review. Level: graduate students or scientists. *Contemporary Physics*, 53(4):369–370, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:2012:PCT

- [2826] Fredric W. Taylor. *Planetary Crusts: Their Composition, Origin and Evolution*, by Stuart Ross Taylor and Scott M. McLennan, Scope: monograph. Level: non-specialists, pre-university, undergraduate, postgraduate and early career researcher. *Contemporary Physics*, 53(4):370–371, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2012:QQQ

- [2827] Manuel Vogel. *Quips, Quotes and Quanta: An Anecdotal History of Physics*, 2nd edn, by Anton Z. Capri, Scope: monograph. Level: general reader. *Contemporary Physics*, 53(4):371, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2012:TFO

- [2828] Mario Bertolotti. *Thin-Film Optical Filters*, 4th edition, by H. Angus Macleod, Scope: textbook. Level: researchers, specialists, engineers.

Contemporary Physics, 53(4):371–372, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2012:MQM

- [2829] Stephen H. Ashworth. *Molecular Quantum Mechanics*, 5th edn, by Peter Atkins and Ronald Friedman, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 53(4):372–373, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blamire:2012:HMM

- [2830] M. Blamire. *Handbook of Magnetic Materials*, edited by K. H. J. Buschow, Scope: handbook. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 53(4):373–374, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tiwari:2012:FPQ

- [2831] S. C. Tiwari. *Foundations of Perturbative QCD*, by John Collins, Scope: textbook/monograph. Level: graduate students/researchers in high energy physics. *Contemporary Physics*, 53(4):374–375, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2012:RCM

- [2832] Manuel Vogel. *Relativistic Celestial Mechanics of the Solar System*, by Sergei Kopeikin, Michael Efroimsky and George Kaplan, Scope: monograph. Level: undergraduate, postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 53(4):375–376, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2012:NIP

- [2833] Miguel A. F. Sanjuán. *Noise-Induced Phenomena in the Environmental Sciences*, by Luca Ridolfi, Paolo D’Odorico and Francesco Laio, Scope: monograph. Level: graduate students and specialists, general readers, undergraduates, postgraduates, specialists. *Contemporary Physics*, 53(4):376, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2012:LNA

- [2834] Andrew Resnick. *Life at the Nanoscale: Atomic Force Microscopy of Live Cells*, edited by Yves Dufrène, Scope: guide, handbook. Level: postgraduate, advanced undergraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 53(4):377, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2012:AOE

- [2835] Andrew Resnick. *Astronomical Optics and Elasticity Theory: Active Optics Methods*, by G. R. Lemaitre, Scope: reference. Level: postgraduate, advanced undergraduate, early career researcher, researcher, scientist. *Contemporary Physics*, 53(4):377–378, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2012:NDA

- [2836] Peter J. Dobson. *Nanomedicine: Design and Applications of Magnetic Nanomaterials, Nanosensors and Nanosystems*, by Vijay K. Varadan, Linfeng Chen and Jining Xie, Scope: monograph, reference. Level: postgraduate, advanced undergraduate, early career researcher, researcher, engineers. *Contemporary Physics*, 53(4):378–379, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2012:IEB

- [2837] Andrew Resnick. *Introduction to Experimental Biophysics: Biological Methods for Physical Scientists*, by Jay Nadeau, Scope: handbook, manual, reference. Level: undergraduate, postgraduate, advanced undergraduate, early career researcher, specialist, scientist. *Contemporary Physics*, 53(4):379, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2012:CNG

- [2838] Peter J. Dobson. *Carbon Nanotube and Graphene Device Physics*, by H.-S. Philip Wong and Deji Akinwande, Scope: monograph, reference, textbook. Level: non-specialist, postgraduate, advanced undergraduate, researcher. *Contemporary Physics*, 53(4):379–380, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pearce:2012:ESP

- [2839] Frazer R. Pearce. *Extra-Solar Planets: The Detection, Formation, Evolution and Dynamics of Planetary Systems*, edited by Bonnie Steves, Martin Hendry and Andrew C. Cameron, Scope: edited book. Level: postgraduate, advanced undergraduate, early career researcher, researcher, specialist. *Contemporary Physics*, 53(4):380, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Berkshire:2012:RND

- [2840] Frank Berkshire. *Reviews of Nonlinear Dynamics and Complexity*, Volume 3, edited by Heinz Georg Schuster, Scope: review. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 53(4):

380–381, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gajjar:2012:HCA

- [2841] Jitesh S. B. Gajjar. *Handbook of Compressible Aerodynamics*, by Jean Détery, Scope: handbook. Level: postgraduate, early career researcher, researcher, specialist, engineers. *Contemporary Physics*, 53(4):381–382, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dimakis:2012:IMI

- [2842] Nicholas Dimakis. *Introduction to Medical Imaging — Physics*, Engineering and Clinical Applications, by Nicholas Dimakis, Scope: medical imaging. Level: advanced undergraduates and graduate students in medical imaging and related disciplines. *Contemporary Physics*, 53(4):382–383, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Berkshire:2012:TAW

- [2843] Frank Berkshire. *Their Arrows Will Darken the Sun — The Evolution and Science of Ballistics*, by Mark Denny, Scope: general interest, guide. Level: general readership, non-specialists, undergraduate, teacher, specialist, scientist. *Contemporary Physics*, 53(4):383–384, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kourkouvelis:2012:QUB

- [2844] Nikolaos Kourkouvelis. *Quantitative Understanding of Biosystems: An Introduction to Biophysics*, by Thomas M. Nordlund, Scope: text book. Level: undergraduate, advanced undergraduate. *Contemporary Physics*, 53(4):384, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gotte:2012:AMR

- [2845] Jörg Götte. *Analytical Mechanics for Relativity and Quantum Mechanics*, 2nd edition, by Oliver Davies Johns, Scope: monograph. Level: postgraduate, advanced undergraduate. *Contemporary Physics*, 53(4):385, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2012:UGQ

- [2846] J. Rogel-Salazar. *Ultracold Gases and Quantum Information: Lecture Notes of the Les Houches Summer School in Singapore*, edited by C. Miniatura, L-C. Kwek, M. Ducloy, B. Grémaud, B-G. Englert, L. F.

Cugliandolo, A. Ekert and K. K. Phua, Scope: specialist. Level: postgraduate. *Contemporary Physics*, 53(4):385–386, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fox:2012:MQS

- [2847] A. M. Fox. *Manipulating Quantum Structures Using Laser Pulses*, by Bruce W. Shore, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 53(4):386–387, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tucker:2012:CEC

- [2848] R. Tucker. *Covariant Electrodynamics: A Concise Guide*, by John M. Charap, Scope: review. Level: advanced undergraduates. *Contemporary Physics*, 53(4):387, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2012:DCW

- [2849] Derry W. Jones. *Drive and Curiosity: What Fuels the Passion*, by Istvan Hargittai, Scope: recent history of scientists. Level: general reader and scientists. *Contemporary Physics*, 53(4):387–389, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ironside:2012:MDF

- [2850] Charlie Ironside. *More is Different: Fifty Years of Condensed Matter Physics*, edited by N. Phuan Ong and Ravin N. Bhatt, Scope: review. Level: researcher. *Contemporary Physics*, 53(4):389, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Berkshire:2012:GGP

- [2851] Frank Berkshire. *Gliding for Gold: The Physics of Winter Sports*, by Mark Denny, Scope: general interest, guide, monograph. Level: general readership, non-specialists, undergraduate, teacher, scientist. *Contemporary Physics*, 53(4):389–390, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wykes:2012:IHV

- [2852] Catherine M. Wykes. *Introduction to Holography*, by Vincent Toal, Scope: monograph. Level: postgraduate, advanced undergraduate, researcher. *Contemporary Physics*, 53(4):390–391, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2012:NPC

- [2853] Peter J. Dobson. *Nanosensors: Physical, Chemical, and Biological*, by Vinod Kumar Khanna, Scope: reference, review, text book. Level: general readership, undergraduate, postgraduate, advanced undergraduate, early career researcher, researcher. *Contemporary Physics*, 53(4):391–392, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2012:QME

- [2854] J. Rogel-Salazar. *Quantum Mechanics: Its Early Development and the Road to Entanglement and Beyond*, by E. G. Steward, Scope: general science. Level: undergraduate. *Contemporary Physics*, 53(4):392, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2012:MIP

- [2855] Thomas Peters. *A Modern Introduction to Particle Physics*, 3rd edition, by Fayyazuddin and Riazuddin, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 53(4):393, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2012:QVS

- [2856] Peter J. Bussey. *The Quantum Vacuum: A Scientific and Philosophical Concept, from Electrodynamics to String Theory and the Geometry of the Microscopic World*, by Luciano Boi, Scope: monograph. Level: researcher. *Contemporary Physics*, 53(4):393–394, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2012:BHW

- [2857] Peter J. Bussey. *Black Holes, Wormholes and Time Machines* (2nd edition), by Jim Al-Khalili, Scope: general interest. Level: general readership. *Contemporary Physics*, 53(4):394, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2012:SNM

- [2858] S. J. Blundell. *Superconductivity in New Materials*, Vol. 4, volume edited by Z. Fisk and H. R. Ott, Scope: edited book. Level: researcher. *Contemporary Physics*, 53(4):394–395, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Solomon:2012:DSC

- [2859] Allan I. Solomon. *Dynamical Symmetry*, by Carl E. Wulfman, Scope: textbook. Level: post-graduate. *Contemporary Physics*, 53(4):395–396,

2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salama:2012:EMC

- [2860] Amgad Salama. *Exploring Monte Carlo Methods*, by William L. Dunn and J. Kenneth Shultis, Scope: review. Level: undergraduate. *Contemporary Physics*, 53(4):396, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Messenger:2012:HPP

- [2861] Valérie Messenger, Robert Gilmore, and Christophe Letellier. Henri Poincaré and the principle of relativity. *Contemporary Physics*, 53(5):397–415, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kim:2012:LSE

- [2862] Jeong San Kim, Gilad Gour, and Barry C. Sanders. Limitations to sharing entanglement. *Contemporary Physics*, 53(5):417–432, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2012:WLS

- [2863] Peter V. E. McClintock. *What is life?*, Scope: review. Level: general reader. *Contemporary Physics*, 53(5):433–435, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2012:YWM

- [2864] D. J. Miller. *You are Wrong Mr Einstein! Newton, Einstein, Heisenberg and Feynman Discussing Quantum Mechanics*, by Harald Fritzsch, Scope: general interest. Level: undergraduates and/or general readers. *Contemporary Physics*, 53(5):437–439, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bucknall:2012:SSS

- [2865] David Bucknall. *Solid-State Spectroscopy: An Introduction*, 2nd edn., by Hans Kuzmany, Scope: textbook. Level: postgraduates, advanced undergraduates, early career researchers, researchers, teachers, scientists and engineers. *Contemporary Physics*, 53(5):439–440, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Casazza:2012:TPE

- [2866] Marco Casazza. *Thermal Physics: Entropy and Free Energies*, 2nd edn., by Joon Chang Lee, Scope: review. Level: undergraduates, postgraduates, advanced undergraduates, early career researchers and teachers.

Contemporary Physics, 53(5):440, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chakraborty:2012:PWS

- [2867] Aniruddha Chakraborty. *The Physicist's World: The Story of Motion and the Limits to Knowledge*, by Thomas Grissom, Scope: review. Level: undergraduate. *Contemporary Physics*, 53(5):440–441, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bohmer:2012:GPI

- [2868] Christian G. Böhmer. *The Geometry of Physics: An Introduction*, 3rd edn., by Theodore Frankel, Scope: review. Level: undergraduates and graduate students, researchers. *Contemporary Physics*, 53(5):441–442, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2012:TCS

- [2869] Thomas Peters. *Turbulence, Coherent Structures, Dynamical Systems and Symmetry*, 2nd edn., by P. Holmes, Scope: monograph. Level: researchers. *Contemporary Physics*, 53(5):442, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2012:CAA

- [2870] P. J. Bussey. *Cosmic Anger: Abdus Salam — The First Muslim Nobel Scientist*, by Gordon Fraser, Scope: biography. Level: general readership. *Contemporary Physics*, 53(5):442–443, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2012:ODA

- [2871] Manuel Vogel. *Oxford Dictionary of Astronomy*, by Ian Ridpath, Scope: reference. Level: general readership. *Contemporary Physics*, 53(5):443–444, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2012:SPL

- [2872] Salvatore Esposito. *Statistical Physics of Liquids at Freezing and Beyond*, by S. P. Das, Scope: monograph. Level: postgraduate, researcher and specialist. *Contemporary Physics*, 53(5):444–445, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2012:ASS

- [2873] Thomas Peters. *Advanced Solid State Physics*, 2nd edn., by P. Phillips, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 53(5):

445, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2012:CMT

- [2874] Andrew Resnick. *Continuum Mechanics and Thermodynamics: From Fundamental Concepts to Governing Equations*, by Ellad B. Tadmor, Ronald E. Miller and Ryan S. Elliott, Scope: textbook. Level: postgraduate, advanced undergraduate, early career researcher, teacher, scientist, engineers. *Contemporary Physics*, 53(5):445–446, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2012:ATQ

- [2875] Thomas Peters. *Advanced Topics in Quantum Field Theory: A Lecture Course*, by M. Shifman, Scope: textbook. Level: graduate. *Contemporary Physics*, 53(5):446–447, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2012:PCO

- [2876] Andrew Resnick. *Physics for Clinical Oncology*, edited by Amen Sibtain, Scope: handbook. Level: teacher, specialist. *Contemporary Physics*, 53(5):447, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pierri-Galvao:2012:NFC

- [2877] Monica Pierri-Galvao. *Neutrino*, by Frank Close, Scope: general interest. Level: general reader, undergraduate through professionals. *Contemporary Physics*, 53(5):447–448, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fox:2012:LSS

- [2878] Mark Fox. *Luminescence Spectroscopy of Semiconductors*, Ivan Pelant and Jan Valenta, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 53(5):448, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2012:PNC

- [2879] K. Alan Shore. *Plasmonic Nanoguides and Circuits*, edited by Sergei I. Bozhevolnyi, Scope: monograph. Level: researcher, specialist. *Contemporary Physics*, 53(5):448–449, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2012:VNT

- [2880] Andrew Resnick. *Viral Nanoparticles: Tools for Materials Science and Biomedicine*, by Nicole Steinmetz and Marianne Manchester, Scope: guide, monograph, review. Level: postgraduate, advanced undergraduate, early career researcher, researcher, specialist, scientist, engineers. *Contemporary Physics*, 53(5):449, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2012:CRP

- [2881] D. J. Miller. *Cosmic Rays for Particle and Astroparticle Physics*, by S. Giani, C. Leroy and P. G. Rancoita, Scope: general interest, textbook. Level: pre-university, undergraduate, advanced undergraduate, teacher, scientist. *Contemporary Physics*, 53(5):450, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wilson:2012:TEJ

- [2882] John I. B. Wilson. *Tokamaks*, 4th edn., by John Wesson, Scope: monograph. Level: postgraduate, advanced undergraduate, early career researcher, researcher, specialist, scientist, engineers. *Contemporary Physics*, 53(5):450–451, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Andrews:2012:TMF

- [2883] David L. Andrews. *Theory of Molecular Fluids Volume 2: Applications*, by Christopher G. Gray, Keith E. Gubbins, and Christopher G. Joslin, Scope: monograph. Level: postgraduate, advanced undergraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 53(5):451–452, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2012:SIA

- [2884] Nikolaos E. Myridis. *Science: Image in Action (The Science and Culture Series: Astrophysics)*, edited by Bertrand Zavidovique and Giosuè Lo Bosco, Scope: conference proceedings. Level: students, researchers and academics. *Contemporary Physics*, 53(5):452–453, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2012:APE

- [2885] Manuel Vogel. *Accelerator Physics*, 3rd edn., by S. Y. Lee, Scope: textbook. Level: graduate students. *Contemporary Physics*, 53(5):453–454, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2012:MDN

- [2886] Derry W. Jones. *More and Different: Notes from a Thoughtful Curmudgeon*, by Philip W. Anderson, Scope: biography, edited book, review. Level: general readership but parts need physics background. *Contemporary Physics*, 53(5):454–455, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Holland:2012:HOG

- [2887] Peter Holland. *A History of Optics from Greek Antiquity to the Nineteenth Century*, by Olivier Darrigol, Scope: monograph. Level: Postgraduate, advanced undergraduate, early career researcher, researcher, teacher, specialist. *Contemporary Physics*, 53(5):455–456, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2012:SIO

- [2888] K. Alan Shore. *Statistics for Imaging, Optics, and Photonics*, (Wiley Series in Probability and Statistics), by Peter Bajorski, Scope: monograph. Level: postgraduate and professional. *Contemporary Physics*, 53(5):456, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2012:APS

- [2889] Peter V. E. McClintock. *Astronautics: The Physics of Space Flight*, 2nd edn., by Ulrich Walter, Scope: textbook. Level: space industry professionals, postgraduates, senior undergraduates. *Contemporary Physics*, 53(5):456–457, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2012:PAC

- [2890] Thomas Peters. *Physics of the Atmosphere and Climate*, 2nd edn., by M. L. Salby, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 53(5):457–458, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Leggett:2012:PSC

- [2891] Tony Leggett. *The Physics of Solar Cells*, by Jenny Nelson, Scope: monograph. Level: advanced undergraduate, scientist. *Contemporary Physics*, 53(5):458–459, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Becker:2012:NKD

- [2892] Peter Becker. The new kilogram definition based on counting the atoms in a²⁸ si crystal. *Contemporary Physics*, 53(6):461–479, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2012:ERA

- [2893] David Bailin. Essay review: AdS/CFT goes viral. *String Theory and its Applications: From meV to the Planck Scale*, edited by M. Dine, T. Banks, and S. Sachdev. ISBN 978-981-4350-51-8. *Contemporary Physics*, 53(6):481–483, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tiwari:2012:SGP

- [2894] S. C. Tiwari. *Symmetry and geometry: pursuit of beauty in physics*, Scope: textbook/monograph. level Ph.D. students/researchers. *Contemporary Physics*, 53(6):485–490, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2012:UAD

- [2895] Eric Sheldon. *The Universe in all its dimensions*, Scope: review, textbook. Level: undergraduate and graduate students, scientists, general readership. *Contemporary Physics*, 53(6):491–494, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2012:IGS

- [2896] Eric Sheldon. *The imprint of genius*, Scope: textbook. Level: postgraduate, advanced undergraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 53(6):495–498, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Benedict:2012:BAQ

- [2897] Keith A. Benedict. *Basic Aspects of the Quantum Theory of Solids: Order and Elementary Excitations*, by Daniel I. Khomskii, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 53(6):499–500, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kuhn:2012:SSV

- [2898] Jeff Kuhn. *Solar and Stellar Variability: Impact on Earth and Planets*, IAU S264, by A. G. Kosovichev, A. H. Andrei and J-P Rozelot. Scope: conference proceedings. Level: postgraduate, researcher, specialist. *Contemporary Physics*, 53(6):500–501, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milonni:2012:EQP

- [2899] Peter W. Milonni. *Exploring Quantum Physics through Hands-On Projects*, by D. Prutchi and S. R. Prutchi, Scope: general interest, guide, monograph. Level: pre-university, undergraduates, advanced undergraduates, teachers. *Contemporary Physics*, 53(6):501–502, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2012:MEV

- [2900] Manuel Vogel. *Mechanical and Electromagnetic Vibrations and Waves*, by T. Bécherrawy, Scope: textbook. Level: undergraduate students. *Contemporary Physics*, 53(6):502–503, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Greenland:2012:DAP

- [2901] P. T. Greenland. *Data Analysis for Physical Scientists Featuring Excel(R)*, 2nd edn., by Les Kirkup, Scope: textbook. Level: undergraduates, advanced undergraduates. *Contemporary Physics*, 53(6):503, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2012:GCT

- [2902] Peter V. E. McClintock. *Graphene: Carbon in Two Dimensions*, by Mikhail I. Katsnelson, Scope: monograph. Level: postgraduate students, researchers. *Contemporary Physics*, 53(6):503–504, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2012:RCG

- [2903] Thomas Peters. *Relativistic Cosmology*, by G. F. R. Ellis, R. Maartens and M. A. H. MacCallum, Scope: textbook. Level: graduates. *Contemporary Physics*, 53(6):504–505, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2012:QPI

- [2904] Peter J. Bussey. *Quantum Physics: Illusion or Reality?*, by Alastair M. Rae, Scope: review. Level: general readership. *Contemporary Physics*, 53(6):505–506, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:2012:TAR

- [2905] F. W. Taylor. *Theory of Atmospheric Radiative Transfer: A Comprehensive Introduction*, by Manfred Wendisch and Ping Yang, Scope: textbook. Level: advanced undergraduate. *Contemporary Physics*, 53(6):

506, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Evans:2012:MIA

- [2906] Mike Evans. *Meteorites, Ice and Antarctica: A Personal Account*, by William A. Cassidy, Scope: monograph/general interest. Level: general reader. *Contemporary Physics*, 53(6):506–507, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ellis:2012:SME

- [2907] R. Ellis. *Stellar Magnetism*, 2nd edn., by Leon Mestel, Scope: textbook. Level: postgraduates, advanced undergraduates, early career researchers, researchers, teachers, specialists, scientists. *Contemporary Physics*, 53(6):507–508, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pedder:2012:MTP

- [2908] Chris Pedder. *Mr Tompkins in Paperback*, by George Gamow, Scope: general interest. Level: general readership, non-specialists, pre-university, undergraduate. *Contemporary Physics*, 53(6):508–509, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2012:OLE

- [2909] J. Rogel-Salazar. *Organic Light-Emitting Diodes: The Use of Rare-Earth Transition Metals*, by Luiz Pereira, Scope: review. Level: advanced graduate and postgraduate, researchers, specialists. *Contemporary Physics*, 53(6):509, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2012:PPK

- [2910] R. S. Shorter. *Plant Physics*, by Karl Niklas, Scope: textbook. Level: specialists, engineers. *Contemporary Physics*, 53(6):509–510, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bengtsson:2012:TFG

- [2911] Ingemar Bengtsson. *Topics in the Foundations of General Relativity and Newtonian Gravitation Theory*, by David B. Malament, Scope: monograph, textbook. Level: postgraduates, advanced undergraduates, early career researcher. *Contemporary Physics*, 53(6):510–511, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2012:AEM

- [2912] Peter J. Bussey. *Albert Einstein Memorial Lectures*, by Jacob D. Bekenstein and Raphael Mechoulam. Scope: edited book. Level: non-specialists. *Contemporary Physics*, 53(6):511–512, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2012:WPE

- [2913] R. S. Shorter. *The Wonders of Physics*, 3rd edn., by Andrey Varlamov and Lev Aslamazov, Scope: review. Level: general readership, non-specialists, pre-university, teachers. *Contemporary Physics*, 53(6):512, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2012:IBH

- [2914] Thomas Peters. *Introduction to Black Hole Physics*, by V. P. Frolov and A. Zelnikov, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 53(6):512–513, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wilson:2012:PMJ

- [2915] Lionel Wilson. *The Physics of Microdroplets*, by Jean Berthier and Kenneth A. Brakke, Scope: review. Level: postgraduates, advanced undergraduates, researchers, scientists, engineers. *Contemporary Physics*, 53(6):513–514, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2012:BCB

- [2916] David J. Miller. *From Black Clouds to Black Holes*, 3rd edn., by Jayant V. Narlikar, Scope: general interest. Level: general readership, non-specialists. *Contemporary Physics*, 53(6):514–515, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wickramasinghe:2012:UCM

- [2917] Chandra Wickramasinghe. *The Universe: A Challenge to the Mind*, by Jacques Vanier, Scope: general interest, textbook. Level: undergraduate. *Contemporary Physics*, 53(6):515, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jamil:2012:NMP

- [2918] M. Jamil. *Nuclear Medicine Physics*, edited by J. J. De Lima, Scope: monograph. Level: graduate students and researchers. *Contemporary*

Physics, 53(6):516, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wykes:2012:HSN

- [2919] Catherine M. Wykes. *Handbook of Surface and Nanometrology*, 2nd edn., by David J. Whitehouse, Scope: review. Level: postgraduates, advanced undergraduates, early career researchers, researchers, specialists, engineers. *Contemporary Physics*, 53(6):516–517, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wilson:2012:PRF

- [2920] John I. B. Wilson. *Physics of Radio-Frequency Plasmas*, by Pascal Chabert and Nicholas Braithwaite, Scope: monograph, textbook. Level: postgraduates, early career researchers, researchers, scientists, engineers. *Contemporary Physics*, 53(6):517–519, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Agio:2012:AAP

- [2921] Mario Agio. *Advances in Atomic Physics: An Overview*, by Claude Cohen-Tannoudji and David Guéry-Odelin, Scope: monograph, text book. Level: postgraduates, advanced undergraduates, early career researchers, researchers, teachers, specialists, scientists. *Contemporary Physics*, 53(6):519–520, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wickramasinghe:2012:ACD

- [2922] Chandra Wickramasinghe. *Adventures in Cosmology*, by David Goodstein, Scope: edited book. Level: advanced undergraduates. *Contemporary Physics*, 53(6):520, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2012:NSE

- [2923] David J. Miller. *From Nuclei to Stars*, edited by Sabine Lee, Scope: edited book. Level: specialists. *Contemporary Physics*, 53(6):520–521, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2012:FLM

- [2924] Andrew Resnick. *Femtosecond Laser–Matter Interactions: Theory, Experiments, and Applications*, by Eugene G. Gamaly, Scope: monograph. Level: postgraduates, advanced undergraduates, early career researchers, teachers, scientists, engineers. *Contemporary Physics*, 53(6):521–522,

2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2012:FNT

- [2925] K. Alan Shore. *Fracture Nanomechanics*, by Takayuki Kitamura, Hiroyuki Hirakata, Takashi Sumigawa and Takahiro Shimada, Scope: monograph. Level: researchers, specialists. *Contemporary Physics*, 53(6):522, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2012:PSI

- [2926] David Bailin. *Perspectives on Supersymmetry II, Advanced Series on Directions in High Energy Physics: Volume 21*, edited by Gordon L. Kane, Scope: edited book. Level: researcher. *Contemporary Physics*, 53(6):522–524, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Benhamou:2012:PVB

- [2927] Mabrouk Benhamou. *Polymer Viscoelasticity — Basics, Molecular Theories, Experiments and Simulations*, 2nd edn, by Yn-Hwang Lin, Scope: textbook. Level: researchers. *Contemporary Physics*, 53(6):524, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2012:RTE

- [2928] Manuel Vogel. *The Release of Thermonuclear Energy by Inertial Confinement: Ways Towards Ignition*, by Friedwardt Winterberg, Scope: monograph. Level: scientists, engineers. *Contemporary Physics*, 53(6):525, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2012:ESU

- [2929] David J. Miller. *Exploding Superstars: Understanding Supernovae and Gamma Ray Bursts*, by Alain Mazure and Stéphane Basa, Scope: general interest, textbook. Level: general readership, advanced undergraduates, early career researchers, scientists. *Contemporary Physics*, 53(6):525–526, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Greenland:2012:PTS

- [2930] P. T. Greenland. *Principles of Terahertz Science and Technology*, by Yun-Shik Lee, Scope: monograph. Level: researchers, specialists. *Contemporary Physics*, 53(6):526–527, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Eberly:2012:SPR

- [2931] J. H. Eberly. *Stochastic Processes*, by Richard F. Bass, Scope: textbook. Level: postgraduates, researchers. *Contemporary Physics*, 53(6): 527, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2012:CSP

- [2932] D. G. C. Jones. *Compound Semiconductor Photonics: Materials, Devices and Integration*, by Chua Soo-Jin, Teng Jinghua and Aaron Danner, Scope: conference proceedings. Level: researchers. *Contemporary Physics*, 53(6):527–528, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2012:QAD

- [2933] David J. Miller. *The Quantum Adventure: Does God Play Dice?*, by Alex Montwill and Ann Breslin, Scope: general interest. Level: general readership, undergraduates, teachers. *Contemporary Physics*, 53(6): 528–529, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2012:FFB

- [2934] Manuel Vogel. *Fluid Flows to Black Holes: A Tribute to S. Chandrasekhar on His Birth Centenary*, by D. J. Saikia and V. Trimble, Scope: biography. Level: general readership. *Contemporary Physics*, 53(6):529–530, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2012:MLQ

- [2935] Thomas Peters. *The Mathematical Language of Quantum Theory: From Uncertainty to Entanglement*, by T. Heinosaari and M. Ziman, Scope: textbook. Level: postgraduates. *Contemporary Physics*, 53(6):530, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Belsley:2012:LQM

- [2936] Michael Belsley. *Lectures on Quantum Mechanics*, 2nd edn, by Ashok Das, Scope: textbook. Level: postgraduates, advanced undergraduates. *Contemporary Physics*, 53(6):530–531, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2012:IMP

- [2937] Salvatore Esposito. *Introduction to Modern Physics: Theoretical Foundations*, by John Dirk Walecka, Scope: textbook. Level: undergradu-

ates, teachers. *Contemporary Physics*, 53(6):531–532, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2012:FIP

- [2938] R. S. Shorter. *The Fundamentals of Imaging: From Particles to Galaxies*, by Michael Mark Woolfson, Scope: textbook. Level: General readership, pre-university, teachers. *Contemporary Physics*, 53(6):532, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Coule:2012:QGE

- [2939] David H. Coule. *Quantum Gravity*, 3rd edn, by Claus Kiefer, Scope: monograph, textbook. Level: postgraduates, early career researchers, researchers. *Contemporary Physics*, 53(6):532–533, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2012:PRP

- [2940] Nikolaos E. Myridis. *Probability, Random Processes, and Statistical Analysis*, by H. Kobayashi, B. L. Mark and W. Turin, Scope: textbook. Level: undergraduate students, researchers, teachers. *Contemporary Physics*, 53(6):533–534, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

El-Amin:2012:RFP

- [2941] M. F. El-Amin. *Rotating Flow*, by Peter Childs, Scope: review. Level: postgraduates, scientists, engineers. *Contemporary Physics*, 53(6):534, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chakraborty:2012:DSP

- [2942] Aniruddha Chakraborty. *Disordered Semiconductors — Physics and Applications*, by Anatoly Popov, Scope: review. Level: advanced undergraduates. *Contemporary Physics*, 53(6):534–535, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2012:CAH

- [2943] J. Rogel-Salazar. *Computational Analysis of the Human Eye with Applications*, by Sumeet Dua, Rajendra Acharya U. and E. Y. K. Ng, Scope: review. Level: postgraduates, advanced undergraduates, researchers, specialists. *Contemporary Physics*, 53(6):535–536, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hobson:2012:SGV

- [2944] Peter R. Hobson. *A Student's Guide to Vectors and Tensors*, by Daniel Fleisch, Scope: textbook. Level: pre-university, undergraduates, teachers, scientists, engineers. *Contemporary Physics*, 53(6):536, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chakraborty:2012:QBI

- [2945] Aniruddha Chakraborty. *Quantum Bio-Informatics IV: From Quantum Information to Bio-Informatics*, 1st edn, by Luigi Accardi Wolfgang Freudenberg and Masanori Ohya, Scope: review. Level: researchers in quantum information, bio-informatics and life science. *Contemporary Physics*, 53(6):537, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2012:SQB

- [2946] Nikolaos E. Myridis. *Semiconductor Quantum Bits*, edited by F. Henneberger and O. Benson, Scope: edited book. Level: researchers, theorists, postgraduate students. *Contemporary Physics*, 53(6):537–538, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Solomon:2012:SQM

- [2947] Allan I. Solomon. *Supersymmetric Quantum Mechanics: An Introduction*, by A. Gangopadhyaya, J. V. Mallow and C. Rasinariu, Scope: textbook. Level: postgraduate, advanced undergraduate. *Contemporary Physics*, 53(6):538–539, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chakraborty:2012:TQY

- [2948] Aniruddha Chakraborty. *The Thermodynamics of Quantum Yang–Mills Theory: Theory And Applications*, by Ralf Hofmann, Scope: review. Level: researchers. *Contemporary Physics*, 53(6):539, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2012:AIL

- [2949] Mario Bertolotti. *Atoms in Intense Laser Fields*, by C. J. Joachain, N. J. Kylstra and R. M. Potvliege, Scope: monograph. Level: postgraduate, researcher, scientist. *Contemporary Physics*, 53(6):539–540, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milburn:2012:EHD

- [2950] Gerard Milburn. *Essentials of Hamiltonian Dynamics*, by J. H. Lowenstein, Scope: textbook. Level: postgraduate, advanced undergraduate. *Contemporary Physics*, 53(6):541, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Solomon:2012:BTM

- [2951] Allan I. Solomon. *A Brief Tour of Modern Quantum Mechanics*, by Moshe Gitterman, Scope: textbook. Level: postgraduate, advanced undergraduate. *Contemporary Physics*, 53(6):541–542, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Solomon:2012:CME

- [2952] Allan I. Solomon. *Classical Mechanics*, 5th edn., by Tom W. B. Kibble and Frank H. Berkshire, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 53(6):542–543, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tiwari:2012:SDE

- [2953] Suresh Chandra Tiwari. *The Supersymmetric Dirac Equation: The Application to Hydrogenic Atoms*, by Allen Hirshfeld, Scope: textbook. Level: undergraduates. *Contemporary Physics*, 53(6):543–544, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hobson:2012:PRI

- [2954] Peter R. Hobson. *Principles of Radiation Interaction in Matter and Detection*, 3rd edn., by Claude Leroy and Pier-Giorgio Rancoita, Scope: monograph, reference. Level: postgraduates, early career researchers, researchers, specialists, scientists, engineers. *Contemporary Physics*, 53(6):544, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bucknall:2012:ITT

- [2955] David Bucknall. *Introduction to the Theory of Thermal Neutron Scattering*, 3rd edn., by G. L. Squires, Scope: textbook. Level: early career researchers, researchers, specialists, scientists. *Contemporary Physics*, 53(6):544–545, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2012:FNW

- [2956] Manuel Vogel. *Fundamentals of Numerical Weather Prediction*, by Jean Coiffier, Scope: monograph. Level: advanced undergraduate students.

Contemporary Physics, 53(6):545–546, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2012:PGC

- [2957] Manuel Vogel. *A Philosophical Guide to Chance*, by T. Handfield, Scope: monograph. Level: general readership. *Contemporary Physics*, 53(6): 546–547, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2012:EB

- [2958] Anonymous. Editorial board. *Contemporary Physics*, 53(6):ebi, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lyons:2013:BFP

- [2959] Louis Lyons. Bayes and frequentism: a particle physicist's perspective. *Contemporary Physics*, 54(1):1–16, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Schinckus:2013:IET

- [2960] Christophe Schinckus. Introduction to econophysics: towards a new step in the evolution of physical sciences. *Contemporary Physics*, 54(1):17–32, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Green:2013:IGG

- [2961] A. G. Green. An introduction to gauge-gravity duality and its application in condensed matter. *Contemporary Physics*, 54(1):33–48, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2013:MWM

- [2962] D. G. C. Jones. Many worlds make hard work. *Contemporary Physics*, 54(1):49–51, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Duxbury:2013:RMS

- [2963] Geoffrey Duxbury. Reinventing molecular spectroscopy. *Contemporary Physics*, 54(1):52–54, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wickramasinghe:2013:CPJ

- [2964] Chandra Wickramasinghe. *Cosmic Paradoxes*, by Julio A. Gonzalo, Scope: general interest. Level: non-specialists. *Contemporary Physics*,

54(1):55, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2013:TDD

- [2965] A. H. Harker. *Time-Dependent Density-Functional Theory: Concepts and Applications*, by Carsten A. Ullrich, Scope: monograph, textbook. Level: postgraduate, early career researcher. *Contemporary Physics*, 54(1):55–56, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2013:OAE

- [2966] S. J. Blundell. *Orbital Approach to the Electronic Structure of Solids*, by E. Canadell, M.-L. Doublet and C. Iung, Scope: textbook. Level: postgraduate, advanced undergraduate. *Contemporary Physics*, 54(1):56–57, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wilson:2013:PPP

- [2967] John I. B. Wilson. *Principles of Plasma Physics for Engineers and Scientists*, by Umran S. Inan and Marek Golkowski, Scope: textbook. Level: postgraduates, advanced undergraduates, early career researchers, teachers, scientists, engineers. *Contemporary Physics*, 54(1):57–58, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:2013:GJH

- [2968] F. W. Taylor. *Galileo*, by J. L. Heilbron, Scope: monograph. Level: generalreaders. *Contemporary Physics*, 54(1):58, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2013:TKG

- [2969] Manuel Vogel. *Thermodynamics*, by S. Klein and G. Nellis, Scope: textbook. Level: students and engineers. *Contemporary Physics*, 54(1):59, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2013:BSO

- [2970] Manuel Vogel. *Beyond the Stars: Our Origins and the Search for Life in The Universe*, by P. Saraceno, Scope: general interest. Level: general readers. *Contemporary Physics*, 54(1):59–60, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2013:PCM

- [2971] Thomas Peters. *Physics of Continuous Matter: Exotic and Everyday Phenomena in the Macroscopic World*, 2nd ed., by B. Lautrup, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 54(1):60, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2013:CCA

- [2972] Thomas Peters. *Chaos and Complexity in Astrophysics*, by O. Regev, Scope: text-book. Level: graduate. *Contemporary Physics*, 54(1):60–61, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Munro:2013:HMM

- [2973] Peter R. T. Munro. *Handbook of Mathematical Methods in Imaging*, edited by Otmar Scherzer, Scope: handbook. Level: specialist. *Contemporary Physics*, 54(1):61–62, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Riley:2013:SWB

- [2974] N. Riley. *Shock Wave-Boundary-Layer Interactions*, edited by Holger Babinsky and John K. Harvey, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 54(1):62–63, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dorai:2013:SPM

- [2975] Kavita Dorai. *Signal Processing in Magnetic Resonance Spectroscopy with Biomedical Applications*, by Dzevad Belkic and Karen Belkic, Scope: review. Level: undergraduate. *Contemporary Physics*, 54(1):63–64, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salama:2013:IGF

- [2976] Amgad Salama. *Introduction to Geophysical Fluid Dynamics: Physical and Numerical Aspects*, 2nd edn., by B. Cushman-Roisin and J.-M. Beckers, Scope: review. Level: undergraduate. *Contemporary Physics*, 54(1):64–65, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Casazza:2013:PGG

- [2977] Marco Casazza. *Pierre-Gilles de Gennes: A Life in Science by Laurence Plévert*, Scope: review. Level: general readership. *Contemporary Physics*, 54(1):65–66, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sivakumar:2013:CEN

- [2978] Srinivasan Sivakumar. *Classical Electromagnetism in a Nutshell*, by Anupam Garg, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 54(1):66, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Holland:2013:TDQ

- [2979] Peter Holland. *A Trajectory Description of Quantum Processes. I. Fundamentals: A Bohmian Perspective*, by Á.S. Sanz and Á.S. Miret-Artés, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 54(1):66–67, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2013:PFR

- [2980] Derry W. Jones. *Prize Fight: The Race and the Rivalry to be the First in Science*, by Morton A. Myers, Scope: review. Level: general readers and scientists. *Contemporary Physics*, 54(1):67–68, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2013:PPS

- [2981] Peter J. Bussey. *Philosophy of Physics: Space and Time*, by T. Maudlin, Scope: textbook. Level: teachers. *Contemporary Physics*, 54(1):68–69, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Starkey:2013:EBG

- [2982] Natalie A. Starkey. *The Earth: Its Birth and Growth*, 2nd edn., by Minoru Ozima, Jun Korenaga and Qing-Zhu Yin, Scope: general interest, textbook. Level: undergraduate, graduate, general readership, teachers. *Contemporary Physics*, 54(1):69–70, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2013:INC

- [2983] David J. Miller. *Interpreting Newton: Critical Essays*, edited by Andrew Janiak and Eric Schliesser, Scope: biography. Level: specialist. *Contemporary Physics*, 54(1):70, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Coule:2013:FST

- [2984] David H. Coule. *Foundations of Space and Time: Reflections on Quantum Gravity*, edited by Jeff Murugan, Amanda Weltman and George F. R. Ellis, Scope: conference proceedings. Level: researcher, specialist.

Contemporary Physics, 54(1):70–71, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2013:QIC

- [2985] Thomas Peters. *Quantum Information, Computation and Communication*, by J. A. Jones and D. Jaksch, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 54(1):71–72, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tiwari:2013:HID

- [2986] S. C. Tiwari. *Higgs: The Invention and Discovery of the ‘God Particle’*, by J. Baggott, Scope: general interest. Level: generalreaders, non-specialists. *Contemporary Physics*, 54(1):72–73, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sofa:2013:PSS

- [2987] Jorge O. Sofa. *Problems in Solid State Physics with Solutions*, by Fuxiang Han, Scope: guide. Level: postgraduate. *Contemporary Physics*, 54(1):73, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2013:INE

- [2988] Peter J. Dobson. *Intelligent Nanomaterials*, edited by A. Tiwari, A. K. Mishra, H. Kobayashi and A. P. F. Turner. General interest. Level: non-specialists, early career researchers, teachers. *Contemporary Physics*, 54(1):74, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2013:APV

- [2989] David Bailin. *ABC of Physics: A Very Brief Guide*, by Lev B. Okun, Scope: general interest. Level: non-specialists, early career researchers, teachers. *Contemporary Physics*, 54(1):74–75, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

vanKampen:2013:MVS

- [2990] Paul van Kampen. *Magnetism: A Very Short Introduction*, by Stephen Blundell, Scope: general interest. Level: general readership. *Contemporary Physics*, 54(1):75–76, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2013:BMT

- [2991] Peter J. Dobson. *Biosensors and Molecular Technologies for Cancer Diagnostics*, edited by Keith E. Herold and Avraham Rasooly. *Contem-*

porary Physics, 54(1):76–77, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fox:2013:QMT

- [2992] Mark Fox. *Quantum Mechanics: Theory and Experiment*, by Mark Beck, Scope: textbook. Level: advanced undergraduate. *Contemporary Physics*, 54(1):77, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2013:HES

- [2993] B. Ishak. *Heliophysics: Evolving Solar Activity and the Climates of Space and Earth*, edited by C. J. Schrijver and G. L. Siscoe, Scope: advanced undergraduates, graduates, post-docs, specialists. *Contemporary Physics*, 54(1):77–78, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:2013:ETE

- [2994] F. W. Taylor. *Entropy and the Time Evolution of Macroscopic Systems*, by Walter Grandy, Jr., Scope: textbook. Level: scientist. *Contemporary Physics*, 54(1):78–79, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chakraborty:2013:IQM

- [2995] Aniruddha Chakraborty. *Introduction to Quantum Mechanics: Schrödinger Equation and Path Integral*, 2nd edn., by Harald J. W. Müller-Kirsten, Scope: review. Level: postgraduate. *Contemporary Physics*, 54(1):79, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2013:PCE

- [2996] B. Ishak and J. McFarland. *Physics of Comets*, 3rd edn., by K. S. Krishna Swamy, Scope: monograph. Level: specialist. *Contemporary Physics*, 54(1):79–80, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2013:ITC

- [2997] Andrew Resnick. *Introduction to Theoretical and Computational Fluid Dynamics*, 2nd edn., by Constantine Pozrikidis, Scope: textbook. Level: postgraduate, advanced undergraduate. *Contemporary Physics*, 54(1):80–81, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2013:OES

- [2998] Nikolaos E. Myridis. *Optical Electronics: Self-Organized Integration and Applications*, by Tetsuzo Yoshimura, Scope: monograph. Level: researchers, scientists, postgraduate students. *Contemporary Physics*, 54(1):81–82, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gibbons:2013:CSQ

- [2999] G. W. Gibbons. *Classical Solutions in Quantum Field Theory: Solitons and Instantons in High Energy Physics*, by E. J. Weinberg, Scope: monograph. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 54(1):82–83, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2013:ICM

- [3000] Thomas Peters. *An Introduction to Celestial Mechanics*, by R. Fitzpatrick, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 54(1):83–84, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2013:ESG

- [3001] Manuel Vogel. *Europe to the Stars*, by G. Schilling and L. L. Christensen, Scope: general interest. Level: general readership. *Contemporary Physics*, 54(1):84, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2013:DHG

- [3002] Andrew Resnick. *Dynamical Heterogeneities in Glasses, Colloids, and Granular Media*, edited by Ludovic Berthier, Giulio Biroli, Jean-Philippe Bouchaud, Luca Cipelletti, Wim van Saarloos, Scope: general interest. Level: general readership. *Contemporary Physics*, 54(1):84–85, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McGlynn:2013:ZNT

- [3003] Enda McGlynn. *ZnO Nanostructures and Their Applications*, edited by Xiao Wei Sun and Yi Yang, Scope: review, monograph. level: postgraduate, early career researcher, researcher, specialist, scientist, engineers. *Contemporary Physics*, 54(1):85–86, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gibbons:2013:BST

- [3004] G. W. Gibbons. *The Birth of String Theory*, edited by Andrea Cappelli, Elena Castellani, Filippo Colomo and Paolo Di Vecchia, Scope: review. Level: general readers, postgraduates, researchers. *Contemporary Physics*, 54(1):86–87, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ma:2013:MCD

- [3005] Angie Ma. *Mechanics of the Cell*, by David Boal, Scope: textbook. Level: postgraduate, advanced undergraduate, early career researcher, researcher, specialist, scientist, engineers. *Contemporary Physics*, 54(1):87–88, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Palfy:2013:PEE

- [3006] Adriana Palfy. *The Practical Einstein: Experiments, Patents, and Inventions*, by József Illy, Scope: biography, general interest. Level: general readers. *Contemporary Physics*, 54(1):88–89, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2013:CSW

- [3007] B. Ishak. *Coronal Seismology: Waves and Oscillations in Stellar Coronae*, by A. V. Stepanov, V. V. Zaitsev and V. M. Nakariakov, Scope: monograph. Level: early career researchers, researchers, specialists. *Contemporary Physics*, 54(1):89, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mindlin:2013:PBP

- [3008] G. B. Mindlin. The physics of birdsong production. *Contemporary Physics*, 54(2):91–96, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Greenland:2013:SWE

- [3009] P. T. Greenland. *Should we eat Einstein's brain?*, Scope: general interest. Level: general readership. *Contemporary Physics*, 54(2):97–99, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2013:WMW

- [3010] Peter J. Bussey. *The world of many worlds*, Scope: edited book, monograph. Level: specialist. *Contemporary Physics*, 54(2):100–103, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2013:FAO

- [3011] Mario Bertolotti. *Fundamentals of Attosecond Optics*, by Zenghu Chang, Scope: monograph. Level: postgraduate, advanced undergraduate, researchers, engineers. *Contemporary Physics*, 54(2):104–105, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2013:HPP

- [3012] Matt Probert. *High-Pressure Physics*, edited by John Loveday. Scope: conference proceedings, edited book, reference. Level: postgraduate, early career researcher. *Contemporary Physics*, 54(2):105, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jamil:2013:CSR

- [3013] M. Jamil. *Compound Semiconductor Radiation Detectors: Series in Sensors*, by Alan Owens, Scope: monograph. Level: graduate students, researchers. *Contemporary Physics*, 54(2):105–106, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Schutz:2013:IPS

- [3014] Gunter M. Schütz. *Introduction to Probability and Stochastic Processes with Applications*, by L. B. Castañeda, V. Arunachalam and S. Dharmaraja, Scope: textbook. Level: non-specialists, advanced undergraduates, early career researchers, engineers. *Contemporary Physics*, 54(2):106–107, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Michette:2013:XRN

- [3015] Alan Michette. *X-Rays, Neutrons and Muons: Photons and Particles for Material Characterization*, by Walter E. Fischer and Rudolf Morf, Scope: textbook. Level: postgraduate, early career researcher. *Contemporary Physics*, 54(2):107, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2013:PAE

- [3016] B. Ishak. *Pulsar Astronomy*, 4th edn., by A. Lyne and F. Graham-Smith, Scope: monograph. Level: Ph.D.s, post-docs and, specialists. *Contemporary Physics*, 54(2):107–108, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2013:RJT

- [3017] Peter J. Bussey. *Reminiscences: A Journey Through Particle Physics*, by Adrian Melissinos, Scope: biography. Level: postgraduate, researcher.

Contemporary Physics, 54(2):108–109, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Leslie:2013:SVS

- [3018] Dawn E. Leslie. *Stars: A Very Short Introduction*, by Andrew King, Scope: guide, general interest. Level: general readers, non-specialists, pre-undergraduate, undergraduate, teacher. *Contemporary Physics*, 54(2):109, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2013:QOG

- [3019] Thomas Peters. *Quantum Optics*, by G. S. Agarwal, Scope: textbook. Level: graduate. *Contemporary Physics*, 54(2):109–110, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2013:IAM

- [3020] Manuel Vogel. *The International Atlas of Mars Exploration: The First Five Decades*, Vol. 1, 1953 to 2003, Scope: general interest. Level: general readers. *Contemporary Physics*, 54(2):110–111, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2013:UGT

- [3021] Manuel Vogel. *A Unified Grand Tour of Theoretical Physics*, 3rd edn., by Ian D. Lawrie, Scope: textbook. Level: advanced undergraduates and above. *Contemporary Physics*, 54(2):111–112, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Belsley:2013:UAO

- [3022] Michael Belsley. *Ultracold Atoms in Optical Lattices: Simulating Quantum Many-Body Systems*, by Maciej Lewenstein, Anna Sanpera and Verònica Ahufinger, Scope: monograph. Level: postgraduate, early career researcher, specialist. *Contemporary Physics*, 54(2):112–113, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Coule:2013:TRC

- [3023] David H. Coule. *Time Reversibility, Computer Simulation, Algorithms*, 2nd edn., by William G. Hoover and Carol G. Hoover, Scope: textbook. Level: postgraduate, advanced undergraduate, researcher. *Contemporary Physics*, 54(2):113, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Korotkov:2013:FNO

- [3024] Alexander Korotkov. *Fluctuating Nonlinear Oscillators: From Nano-Mechanics to Quantum Superconducting Circuits*, edited by Mark I. Dykman, Scope: edited book. Level: postgraduate, researcher. *Contemporary Physics*, 54(2):113–114, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anel:2013:FGF

- [3025] Juan A. Añel. *Fundamentals of Geophysical Fluid Dynamics*, by James C. McWilliams, Scope: textbook. Level: undergraduate students. *Contemporary Physics*, 54(2):114–115, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McGlynn:2013:EPR

- [3026] Enda McGlynn. *Electron Paramagnetic Resonance of Transition Ions*, Oxford Classic Texts in the Physical Sciences, by A. Abragam and B. Bleaney, Scope: textbook, monograph. Level: advanced undergraduate, postgraduate, early career researcher, researcher, specialist, scientist, engineers. *Contemporary Physics*, 54(2):115–116, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Murdin:2013:QCG

- [3027] B. N. Murdin. *Quantum Computing from the Ground Up*, by Riley Tipton Perry, Scope: monograph. Level: undergraduate. *Contemporary Physics*, 54(2):116–117, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2013:ATF

- [3028] J. Rogel-Salazar. *Advances in Thin-Film Solar Cells*, by I. M. Dharmadasa, Scope: textbook. Level: undergraduate, postgraduate. *Contemporary Physics*, 54(2):117, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2013:CEQ

- [3029] S. J. Blundell. *Correlated Electrons in Quantum Matter*, by Peter Fulde, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 54(2):117–118, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Murdin:2013:SSJ

- [3030] B. N. Murdin. *Semiconductor Spintronics*, by Jianbai Xia, Weikun Ge, Kai Chang, Scope: reference. Level: researcher. *Contemporary Physics*,

54(2):118–119, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2013:NSP

- [3031] Nikolaos E. Myridis. *Networks in Social Policy Problems*, edited by Balázs Vedres and Marco Scotti, Scope: edited book. Level: general readers, researcher, scientist. *Contemporary Physics*, 54(2):119–120, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tiwari:2013:PNV

- [3032] Suresh Chandra Tiwari. *The Physics of Neutrinos*, by V. Barger, D. Marfatia and K. Whisnant, Scope: review, monograph. Level: specialist, researcher, teacher. *Contemporary Physics*, 54(2):120–121, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2013:CBM

- [3033] Matt Probert. *Computer-Based Modelling of Novel Carbon Systems and Their Properties: Beyond Nanotubes*, edited by L. Colombo and A. Fasolino, Scope: edited book, reference. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 54(2):121, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lancaster:2013:DWR

- [3034] Tom Lancaster. *Do We Really Understand Quantum Mechanics?*, by Franck Laloë, Scope: monograph. Level: advanced undergraduate to specialist. *Contemporary Physics*, 54(2):121–122, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Casazza:2013:WOH

- [3035] Marco Casazza. *The Weather Observer's Handbook*, by Stephen Burt, Scope: handbook, manual, textbook. Level: general readership, non-specialists, pre-university, undergraduate, postgraduate, advanced undergraduate, early career researcher, researcher, teacher, specialist, scientist. engineers. *Contemporary Physics*, 54(2):122–123, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gotte:2013:PNO

- [3036] Jörg Götte. *Principles of Nano-Optics*, 2nd edn., by Lukas Novotny and Bert Hecht, Scope: textbook. Level: postgraduate, researcher, teacher, specialist. *Contemporary Physics*, 54(2):123–124, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2013:RMR

- [3037] Peter J. Bussey. *Relativity Made Relatively Easy*, by Andrew M. Steane, Scope: textbook. Level: postgraduate. advanced undergraduate. *Contemporary Physics*, 54(2):124, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Casazza:2013:NET

- [3038] Marco Casazza. *Non-Equilibrium Thermodynamics and Statistical Mechanics: Foundations and Applications*, by Phyl Attard, Scope: monograph, reference. Level: postgraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 54(2):124–125, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wang:2013:DMS

- [3039] Chih-Yueh Wang. *Death of Massive Stars (IAU S279): Supernovae and Gamma-Ray Bursts*, Proceedings of the International Astronomical Union (IAU S279), edited by P. W. A. Roming, N. Kawai and E. Pian., Scope: conference proceeding. Level: postgraduate/specialist. *Contemporary Physics*, 54(2):125–126, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gibbons:2013:BHC

- [3040] G. W. Gibbons. *Black Holes, Cosmology and Extra Dimensions*, by Kirill A. Bronnikov and Sergey G. Rubin, Scope: review. Level: postgraduate. *Contemporary Physics*, 54(2):126–127, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2013:TPS

- [3041] Manuel Vogel. *The Theory of Probability*, by Santosh S. Venkatesh, Scope: text book. Level: advanced undergraduate. *Contemporary Physics*, 54(2):127, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2013:WYH

- [3042] Manuel Vogel. *Why You Hear What You Hear*, Eric J. Heller, Scope: general interest, monograph. Level: general readership. *Contemporary Physics*, 54(2):127–128, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2013:GRW

- [3043] B. Ishak. *A General Relativity Workbook*, by T. A. Moore, Scope: textbook. Level: advanced undergraduates, lecturers. *Contemporary Physics*, 54(2):128–129, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2013:IPC

- [3044] B. Ishak. *Illustrating the Phaenomena: Celestial Cartography in Antiquity and the Middle Ages*, by E. Dekker, Scope: monograph. Level: specialists. *Contemporary Physics*, 54(2):129–130, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2013:LQM

- [3045] Thomas Peters. *Lectures on Quantum Mechanics*, by S. Weinberg, Scope: textbook. Level: graduate. *Contemporary Physics*, 54(2):130–131, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2013:MSQ

- [3046] Garth Jones. *Mathematical Structures of Quantum Mechanics*, by Kow Lung Chang, Scope: text book. Level: postgraduate, advanced undergraduate, early career researcher, researcher. *Contemporary Physics*, 54(2):131–132, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Greenland:2013:ABM

- [3047] P. T. Greenland. *Applied Bohmian Mechanics from Nanoscale Systems to Cosmology*, edited by X. Oriols, J. Mompert, Scope: edited book. Level: researcher. *Contemporary Physics*, 54(2):132–133, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2013:NBQ

- [3048] R. S. Shorter. *Niels Bohr and the Quantum Atom: The Bohr Model of Atomic Structure 1913–1925*, by Helge Kragh, Scope: biography, general interest. Level: general readership. *Contemporary Physics*, 54(2):133, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nicol:2013:MUM

- [3049] Mark Nicol. *Measuring the Universe: A Multiwavelength Perspective*, by George H. Rieke, Scope: review. Level: postgraduate, advanced undergraduate, scientist, engineers. *Contemporary Physics*, 54(2):133–134,

2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kourkouvelis:2013:MDM

- [3050] Nikolaos Kourkouvelis. *Modern Diffraction Methods*, edited by E. J. Mittemeijer and U. Welzel, Scope: edited book, handbook. Level: postgraduate, early career researcher, researcher, specialist, scientist, engineers. *Contemporary Physics*, 54(2):134–135, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Benhamou:2013:ACN

- [3051] Mabrouk Benhamou. *Advances in Carbon Nanomaterials: Science and Applications*, by Nikos Tagmatarchis, Scope: edited book. Level: researchers. *Contemporary Physics*, 54(2):135–136, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Appleby:2013:APE

- [3052] Robert Appleby. *Accelerator Physics: Example Problems with Solutions*, by William W. MacKay and Mario Conte, Scope: review. Level: undergraduate, postgraduate, advanced undergraduate, early career researcher, researcher. *Contemporary Physics*, 54(2):136, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Palfy:2013:QPP

- [3053] Adriana Palfy. *Quantum Principles and Particles*, by Walter M. Wilcox, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 54(2):136–137, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hobson:2013:LPE

- [3054] Peter R. Hobson. *LHC Physics*, edited by T. Binoth, C. Buttar, P. J. Clark and E. W. N. Glover, Scope: conference proceedings. Level: postgraduate, early career researcher. *Contemporary Physics*, 54(2):137–138, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chakraborty:2013:EEE

- [3055] Aniruddha Chakraborty. *Essentials of Electromagnetics for Engineering*, by David A. De Wolf, Scope: review. Level: undergraduate. *Contemporary Physics*, 54(2):138, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2013:QDW

- [3056] Peter J. Bussey. *The Quantum Divide: Why Schrödinger's Cat is either Dead or Alive*, by Christopher C. Gerry and Kimberley M. Bruno, Scope: general interest. Level: non-specialists, teacher. *Contemporary Physics*, 54(2):138–139, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2013:GRB

- [3057] B. Ishak. *Gamma-Ray Bursts*, by C. Kouveliotou, R. A. M. J. Wijers and S. Woosley, Scope: monograph. Level: Ph.D.s, post-docs and specialists. *Contemporary Physics*, 54(2):139, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Munro:2013:PDL

- [3058] Peter R. T. Munro. *Principles of Diffuse Light Propagation: Light Propagation in Tissues with Applications in Biology and Medicine*, by Jorge Ripoll Lorenzo, Scope: textbook. Level: postgraduate and specialist. *Contemporary Physics*, 54(2):139–140, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2013:NUF

- [3059] K. Alan Shore. *Nanofabrication Using Focused Ion and Electron Beams: Principles and Applications*, edited by Ivo Utke, Stanislav Moshkalev and Phillip Russell, Scope: monograph. Level: researcher. *Contemporary Physics*, 54(2):140–141, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kawano:2013:TWT

- [3060] Yukio Kawano. Terahertz waves: a tool for condensed matter, the life sciences and astronomy. *Contemporary Physics*, 54(3):143–165, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2013:DSC

- [3061] David Bailin. *Discrete symmetries and CP violation*, Scope: textbook. Level: postgraduate and early career researcher. *Contemporary Physics*, 54(3):166–168, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2013:BNE

- [3062] Andrew Resnick. *Biomedical Nanosensors*, edited by Joseph Irudayaraj, Scope: edited book, reference, review. Level: postgraduate, advanced undergraduate, early career researcher, researcher, scientist, engineers.

Contemporary Physics, 54(3):169, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2013:MTP

- [3063] Andrew Resnick. *Modern Trends in Physics Research. Third International Conference on Modern Trends in Physics Research. Cairo, Egypt 6–10 April 2008*, edited by Lotfia M. El Nadi, Scope: conference proceedings. Level: postgraduate, advanced undergraduate, researcher, scientist. *Contemporary Physics*, 54(3):169–170, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2013:TPC

- [3064] Miguel A. F. Sanjuán. *Thermal Physics: Concepts and Practice*, by Allen L. Wasserman, Scope: textbook. Level: advanced undergraduate, graduate students, lecturers. *Contemporary Physics*, 54(3):170–171, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nikolopoulos:2013:QCM

- [3065] Lampros Nikolopoulos. *Quantum Control of Molecular Processes*, (Second, Revised and Enlarged Edition), by M. Shapiro and P. Brumer, Scope: review. Level: postgraduate, advanced undergraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 54(3):171–172, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2013:CPM

- [3066] Andrew Resnick. *The Cambridge Photographic Moon Atlas*, by Alan Chu, Wolfgang Paech, Mario Weigand, translated by Storm Dunlop, Scope: general interest. Level: general readership, non-specialists, pre-university, undergraduate, advanced undergraduate, teacher. *Contemporary Physics*, 54(3):172, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wang:2013:IBE

- [3067] Chih-Yueh Wang. *From Interacting Binaries to Exoplanets (IAU S282): Essential Modelling Tools*, edited by M. T. Richards and I. Hubeny. Scope: conference proceedings. Level: postgraduate, researcher, specialist, scientist. *Contemporary Physics*, 54(3):172–173, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2013:EHT

- [3068] Manuel Vogel. *Essentials of Heat Transfer: Principles, Materials, and Applications*, by Massoud Kaviany, Scope: textbook. Level: undergrad-

uates, advanced undergraduates. *Contemporary Physics*, 54(3):173–174, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2013:FAJ

- [3069] Manuel Vogel. *Fundamentals of Astrometry*, by Jean Kovalevsky and P. Kenneth Seidelmann, Scope: monograph. Level: undergraduates and above. *Contemporary Physics*, 54(3):174–175, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2013:SOC

- [3070] Thomas Peters. *Self-Organised Criticality: Theory, Models and Characterisation*, by Gunnar Pruessner, Scope: monograph. Level: researcher. *Contemporary Physics*, 54(3):175, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lancaster:2013:EPA

- [3071] Tom Lancaster. *Einstein's Physics: Atoms, Quanta, and Relativity — Derived, Explained, and Appraised*, by Ta-Pei Cheng, Scope: monograph. Level: researcher. *Contemporary Physics*, 54(3):175–176, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Boyd:2013:BSP

- [3072] T. J. M. Boyd. *Basic Space Plasma Physics*, by Wolfgang Baumjohann and Rudolf A. Treumann, Scope: textbook. Level: advanced undergraduate. *Contemporary Physics*, 54(3):176–177, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2013:GTH

- [3073] David Bailin. *Group Theory for High Energy Physicists*, by Mohammad Saleem and Muhammad Rafique, Scope: textbook. Level: advanced undergraduate, postgraduate. *Contemporary Physics*, 54(3):177–178, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2013:NCJ

- [3074] B. Ishak. *Neutrino Cosmology*, by J. Lesgourgues, G. Mangano, G. Miele and S. Pastor, Scope: monograph. Level: early career researcher, researcher, specialist. *Contemporary Physics*, 54(3):178–179, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ellis:2013:BPT

- [3075] R. Ellis. *Binary Paths to Type Ia Supernovae Explosions*, edited by Rosanne Di Stefano, Marina Orio and Maxwell Moe, Scope: conference

proceedings. Level: researcher. *Contemporary Physics*, 54(3):179–180, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Downing:2013:AQM

- [3076] Charles Downing. *Advanced Quantum Mechanics: A Practical Guide*, by Yuli V. Nazarov and Jeroen Danon, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 54(3):180, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Huelga:2013:VQB

- [3077] S. F. Huelga and M. B. Plenio. Vibrations, quanta and biology. *Contemporary Physics*, 54(4):181–207, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2013:ERA

- [3078] David J. Miller. Essay review: The anatomy of a paradigm-shift. *The Continental Drift Controversy*, by Henry R. Frankel. ISBN 978-0-521-87507-3. Scope: monograph. Level: accessible and useful to all levels of reader, from general interest to specialist. *Contemporary Physics*, 54(4):208–210, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2013:QFT

- [3079] David Bailin. *Quantum Field Theories in Two Dimensions: Collected Works of Alexei Zamolodchikov (in 2 Volumes)*, edited by Alexander Belavin, Yaroslav Pugai and Alexander Zamolodchikov, Scope: edited book. Level: researcher. *Contemporary Physics*, 54(4):211–212, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ma:2013:BSP

- [3080] Angie Ma. *Biophysics: Searching for Principles*, by William Bialek, Scope: textbook. Level: postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 54(4):212–213, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2013:FGU

- [3081] B. Ishak. *The First Galaxies in the Universe*, by Abraham Loeb and Steven R. Furlanetto, Scope: textbook. Level: advanced undergraduate, postgraduate, early career researcher, specialist. *Contemporary Physics*, 54(4):213–214, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2013:AAM

- [3082] Manuel Vogel. *Astrometry for Astrophysics: Methods, Models, and Applications*, edited by William F. van Altena, Scope: edited book. Level: undergraduate, advanced undergraduate. *Contemporary Physics*, 54(4): 214, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fox:2013:HOC

- [3083] Mark Fox. *The Handbook on Optical Constants of Metals: In Tables and Figures & The Handbook on Optical Constants of Semiconductors: In Tables and Figures*, by Sadao Adachi, Scope: reference. Level: researcher. *Contemporary Physics*, 54(4):215, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2013:AHS

- [3084] Nikolaos E. Myridis. *Artificial Human Sensors: Science and Applications*, by Peter Wide, Scope: monograph. Level: general readership, advanced undergraduate, postgraduate, researcher, teacher, engineers. *Contemporary Physics*, 54(4):215–216, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2013:OME

- [3085] Manuel Vogel. *Our Magnetic Earth: The Science of Geomagnetism*, by Ronald T. Merrill, Scope: monograph. Level: general readership. *Contemporary Physics*, 54(4):216–217, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2013:TIQ

- [3086] Matt Probert. *The Transactional Interpretation of Quantum Mechanics: The Reality of Possibility*, by Ruth E. Kastner, Scope: reference. Level: specialist. *Contemporary Physics*, 54(4):217–218, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tiwari:2013:AML

- [3087] S. C. Tiwari. *The Angular Momentum of Light*, by D. L. Andrews and M. Babiker, Scope: reference, edited book. Level: advanced undergraduate, researcher, teacher, specialist. *Contemporary Physics*, 54(4):218–219, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2013:LRS

- [3088] Derry W. Jones. *The Long Road to Stockholm, The Story of MRI: An Autobiography*, by Peter Mansfield, Scope: autobiography. Level: scientist, general reader. *Contemporary Physics*, 54(4):219–220, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2013:QCP

- [3089] Peter J. Bussey. *Quantum Concepts in Physics: An Alternative Approach to the Understanding of Quantum Mechanics*, by Malcolm Longair, Scope: textbook. Level: teacher, specialist. *Contemporary Physics*, 54(4):220–221, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2013:NMB

- [3090] Thomas Peters. *Nonequilibrium Many-Body Theory of Quantum Systems: A Modern Introduction*, by G. Stefanucci and R. van Leeuwen, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 54(4):221, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2013:OHP

- [3091] Peter J. Bussey. *The Oxford Handbook of Philosophy of Physics*, edited by R. Batterman, Scope: review, edited book. Level: postgraduate, researcher, specialist, scientist. *Contemporary Physics*, 54(4):221–223, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Eberly:2013:RMP

- [3092] Joseph Eberly. *Review of Modern Physics*, by Paul A. Tipler and Ralph A. Llewellyn, Scope: reference, textbook. Level: undergraduate, advanced undergraduate, teacher. *Contemporary Physics*, 54(4):223–224, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Joseph:2013:INS

- [3093] Robert D. Joseph. *Isaac Newton's Scientific Method: Turning Data into Evidence about Gravity and Cosmology*, by William L. Harper. Scope: review. Level: specialist. *Contemporary Physics*, 54(4):224–225, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Quenby:2013:RJA

- [3094] John Quenby. *Relativistic Jets from Active Galactic Nuclei*, edited by M. Boettcher, D. E. Harris, and H. Krawczynski, Scope: monograph. Level: postgraduate, early career researcher, researcher, specialist. *Contemporary Physics*, 54(4):225–226, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Casazza:2013:SAH

- [3095] Marco Casazza. *Synergetic Agents*, by Hermann Haken and Paul Levi, Scope: reference, monograph, manual, textbook. Level: non-specialists, postgraduate, early career researcher, researcher, teacher, specialist, scientist. *Contemporary Physics*, 54(4):226–227, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salama:2013:CME

- [3096] Amgad Salama. *Continuum Mechanics in the Earth Sciences*, by William I. Newman, Scope: textbook. Level: advanced undergraduate. *Contemporary Physics*, 54(4):227, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Benhamou:2013:TIF

- [3097] Mabrouk Benhamou. *Theory of Intermolecular Forces*, by Anthony Stone, Scope: textbook. Level: postgraduate, researcher. *Contemporary Physics*, 54(4):227–228, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barber:2013:CTE

- [3098] D. C. Barber. *Correction Techniques in Emission Tomography*, edited by Mohammad Dawood, Xiaoyi Jiang and Klaus Schäfers, Scope: review. Level: postgraduate, early career researcher, specialist. *Contemporary Physics*, 54(4):228–229, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jamil:2013:FEU

- [3099] M. Jamil. *Fusion, the Energy of the Universe*, by Garry McCracken and Peter Stott, Scope: monograph. Level: postgraduate, advanced undergraduate, early career researcher, researcher. *Contemporary Physics*, 54(4):229–230, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Matravers:2013:BPM

- [3100] David R. Matravers. *The Ballet of the Planets: A Mathematician's Musings on the Elegance of Planetary Motion*, by Donald C. Benson, Scope: general interest. Level: pre-university, undergraduate. *Contemporary Physics*, 54(4):230–231, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Yung:2013:IGE

- [3101] K. C. Yung, W. M. Wu, M. P. Pierpoint, and F. V. Kusmartsev. Introduction to graphene electronics — a new era of digital transistors and devices. *Contemporary Physics*, 54(5):233–251, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dombey:2013:ERO

- [3102] Norman Dombey. Essay review: Oppenheimer, the bomb and beyond, Scope: biography. Level: general readership [Review of *Inside the Centre: The Life of J. Robert Oppenheimer*, by Ray Monk, London, Jonathon Cape, 2012, 818 pp., £30.00 (hardback), ISBN 978-0-224-06262-6]. *Contemporary Physics*, 54(5):252–253, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Phillips:2013:PDM

- [3103] Philip Phillips. *The Physics of Dilute Magnetic Alloys*, by Jun Kondo, translated by Shigeru Koikegami, Kosuke Odagiri, Kunihiko Yamaji and Takashi Yanagisawa, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 54(5):254, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2013:BPE

- [3104] Peter J. Dobson. *Biomimetics in Photonics*, edited by Olaf Karthaus, Scope: review. Level: general readership, non-specialists, undergraduate, postgraduate, scientist. *Contemporary Physics*, 54(5):254–255, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fox:2013:PGO

- [3105] Mark Fox. *A Practical Guide to Optical Metrology for Thin Films*, by Michael Quinten, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 54(5):255, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pounds:2013:TSS

- [3106] Ken Pounds. *Time, Space, Stars and Man: The Story of the Big Bang*, by Michael M. Woolfson. Scope: review. Level: general readership. *Contemporary Physics*, 54(5):255–256, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Berkshire:2013:IPW

- [3107] Frank Berkshire. *Introduction to the Physics of Waves*, by Tim Free-garde, Scope: textbook. Level: general readership, undergraduate, advanced undergraduate, postgraduate, early career researcher, teacher. *Contemporary Physics*, 54(5):256–257, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lovesey:2013:MCQ

- [3108] S. W. Lovesey. *A Modern Course in the Quantum Theory of Solids*, edited by Fuxiang Han, Scope: review. Level: postgraduate. *Contemporary Physics*, 54(5):257, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2013:IMP

- [3109] J. Rogel-Salazar. *Introduction to Mathematical Physics: Methods and Concepts*, 2nd edn., by Chun Wa Wong, Scope: review. Level: undergraduate. *Contemporary Physics*, 54(5):257–258, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2013:MPI

- [3110] Manuel Vogel. *Modern Physics: An Introductory Text*, by Jeremy I. Pfeffer and Shlomo Nir, Scope: monograph. Level: undergraduate. *Contemporary Physics*, 54(5):258–259, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anel:2013:TPI

- [3111] Juan A. Añel. *Turing: Pioneer of the Information Age*, by B. Jack Copeland, Scope: general interest. Level: general reader. *Contemporary Physics*, 54(5):259, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Appleby:2013:MUP

- [3112] Robert Appleby. *Measurement Uncertainty and Probability*, by Robin Willink, Scope: textbook. Level: specialist. *Contemporary Physics*, 54(5):259–260, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2013:AAE

- [3113] B. Ishak and J. McFarland. *Astrophysics from Antarctica*, edited by Michael G. Burton, Xiangqun Cui and Nicholas F. H. Tothill, Scope: wide-ranging review. Level: postgraduates and specialists. *Contemporary Physics*, 54(5):260–261, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lovesey:2013:EQM

- [3114] S. W. Lovesey. *Exploring Quantum Mechanics: A Collection of 700+ Solved Problems for Students, Lecturers, and Researchers*, by Victor Galitski, Boris Karnakov, Vladimir Kogan, and Victor Galitski, Jr., Scope: textbook. Level: advanced undergraduate. *Contemporary Physics*, 54(5):261, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Belsley:2013:EME

- [3115] Michael Belsley. *Electricity and Magnetism*, by Edward M. Purcell and David J. Morin, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 54(5):261–262, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bucknall:2013:EOP

- [3116] David Bucknall. *Electronic and Optical Properties of Conjugated Polymers*, 2nd edn., International Series of Monographs on Physics 159, by William Barford, Scope: review. Level: postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 54(5):262–263, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Greenland:2013:TPR

- [3117] P. T. Greenland. *Terahertz Physics*, by R. A. Lewis, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 54(5):263, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2013:CME

- [3118] A. H. Harker. *Computational Methods for Electromagnetic Phenomena: Electrostatics in Solvation, Scattering and Electron Transport*, by Cai Wei, Scope: monograph. Level: postgraduate, researcher. *Contemporary Physics*, 54(5):263–264, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2013:EMP

- [3119] Andrew Resnick. *Encyclopaedia of Medical Physics* (2 Volume Set), edited by Slavik Tabakov, Franco Milano, Sven-Erik Strand, Cornelius Lewis and Perry Sprawls, Scope: reference, encyclopedia. Level: advanced undergraduate, postgraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 54(5):264–265, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2013:RVS

- [3120] Derry W. Jones. *Radioactivity: A Very Short Introduction*, by Claudio Tuniz, Scope: general interest. Level: general reader, preferably with physical science background. *Contemporary Physics*, 54(5):265–266, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Leggett:2013:RTC

- [3121] A. J. Leggett. *Revolutions in Twentieth-Century Physics*, by David J. Griffiths, Scope: general interest. Level: general readership, non-specialists, pre-university. *Contemporary Physics*, 54(5):266, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Andrews:2013:LMI

- [3122] David L. Andrews. *Light–Matter Interaction: Physics and Engineering at the Nanoscale*, by John Weiner and Frederico Nunes, Scope: textbook. Level: undergraduate, advanced undergraduate, scientist, engineers. *Contemporary Physics*, 54(5):267–268, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Coffey:2013:PIS

- [3123] William T. Coffey. *Path Integrals for Stochastic Processes: An Introduction*, by Horacio S. Wio, Scope: textbook. Level: advanced undergraduate, postgraduate. *Contemporary Physics*, 54(5):268, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2013:FTC

- [3124] S. J. Blundell. *Field Theories of Condensed Matter Physics*, 2nd edn., by Eduardo Fradkin, Scope: monograph. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 54(5):268–269, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Osborn:2013:INP

- [3125] H. Osborn. *An Introduction to Non-Perturbative Foundations of Quantum Field Theory*, by Franco Strocchi, Scope: monograph. Level: scientist. *Contemporary Physics*, 54(5):269, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Holland:2013:GTG

- [3126] Peter Holland. *Gauge Theories of Gravitation: A Reader with Commentaries*, edited by Milutin Blagojević and Friedrich W. Hehl, Scope: edited book, reference, review. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 54(5):269–270, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2013:ACS

- [3127] Matt Probert. *Atomistic Computer Simulations: A Practical Guide*, by V. Brázdová and D. R. Bowler, Scope: reference. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 54(5):270–271, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Leslie:2013:IPP

- [3128] Dawn E. Leslie. *The Infinity Puzzle: The Personalities, Politics and Extraordinary Science Behind the Higgs Boson*, by Frank Close. Scope: general interest. Level: general readership, non-specialists, pre-university, undergraduate, postgraduate, advanced undergraduate, early career researcher, researcher, teacher, specialist, scientist. *Contemporary Physics*, 54(5):271, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2013:PSO

- [3129] Manuel Vogel. *Planetary Systems and the Origins of Life*, Cambridge Astrobiology (No. 3), edited by Ralph Pudritz, Paul Higgs and Jonathon Stone, Scope: edited book. Level: general readership. *Contemporary Physics*, 54(5):271–272, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McCall:2013:TOC

- [3130] Martin McCall. Transformation optics and cloaking. *Contemporary Physics*, 54(6):273–286, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2013:CCC

- [3131] Derry W. Jones. *Crystallographic centenary celebration: the emergence of X-ray analysis*, Scope: general interest, monograph. Level: general reader, specialist. *Contemporary Physics*, 54(6):287–290, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rowlands:2013:ISP

- [3132] George Rowlands. *An Introduction to Stochastic Processes and Nonequilibrium Statistical Physics*, revised edition, Series on Advances in Statistical Mechanics: Volume 19, edited by Horacio S. Wio, Roberto R. Deza and Juan M. López, Scope: review. Level: scientist. *Contemporary Physics*, 54(6):291, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2013:TQW

- [3133] Peter J. Bussey. *The Theory of the Quantum World: Proceedings of the 25th Solvay Conference on Physics*, edited by David Gross, Marc Henneaux and Alexander Sevrin, Scope: conference proceedings. Level: postgraduate. *Contemporary Physics*, 54(6):291–292, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2013:EEH

- [3134] Manuel Vogel. *Earth: Evolution of a Habitable World*, 2nd edn., by J. I. Lunine, Scope: monograph. Level: general readership, non-specialists, pre-university. *Contemporary Physics*, 54(6):292, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Krotov:2013:FMB

- [3135] Sergey Krotov. *First Magnitude: A Book of the Bright Sky*, by James B. Kaler, Scope: edited book, general interest. Level: general readership, pre-university, undergraduate. *Contemporary Physics*, 54(6):293, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sumner:2013:DMN

- [3136] T. J. Sumner. *Dark Matter, Neutrinos and Our Solar System*, Scope: monograph. Level: general readership, postgraduate, researcher. *Contemporary Physics*, 54(6):293–294, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Caruso:2013:STS

- [3137] Francisco Caruso. *On Space and Time*, Scope: edited book. Level: general readership, non-specialists, pre-university, undergraduate, advanced

undergraduate, postgraduate, early career research, research, teacher, specialist. *Contemporary Physics*, 54(6):294–295, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Schutz:2013:EPG

- [3138] Gunter M. Schütz. *Exercises in Probability: A Guided Tour from Measure Theory to Random Processes, via Conditioning*, 2nd edn., by L. Chaumont and M. Yor, Scope: guide. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 54(6):295–296, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2013:ODS

- [3139] Salvatore Esposito. *Order and Disorder: Science Essentials for the Non-Scientist*, by Myron Kaufman, Scope: general interest. Level: general readership, teacher. *Contemporary Physics*, 54(6):296–297, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Munro:2013:CPI

- [3140] Peter R. T. Munro. *Computational Photonics: An Introduction With MATLAB*, by Marek S. Wartak, Scope: textbook. Level: undergraduate, postgraduate, practising scientists and engineers. *Contemporary Physics*, 54(6):297, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2013:SPF

- [3141] K. Alan Shore. *Silicon Photonics: Fundamentals and Devices*, by M. Jamal Deen and P. K. Basu, Scope: textbook. Level: postgraduate, early career researcher, researcher, teacher. *Contemporary Physics*, 54(6):297–298, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chakraborty:2013:SMM

- [3142] Aniruddha Chakraborty. *Simple Models of Magnetism*, Oxford Graduate Texts, by Ralph Skomski, Scope: review. Level: advanced undergraduate. *Contemporary Physics*, 54(6):298–299, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Khare:2013:TCT

- [3143] Prashant Khare. *Ten Chapters in Turbulence*, edited by Peter A. Davidson, Yukio Kaneda and Kathepalli R. Sreenivasan, Scope: edited book, reference, review. Level: postgraduate, early career researcher, researcher, scientist. *Contemporary Physics*, 54(6):299–300, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Downing:2013:TMP

- [3144] Charles A. Downing. *Topics in Modern Physics: Theoretical Foundations*, by John Dirk Walecka, Scope: textbook. Level: postgraduate, advanced undergraduate. *Contemporary Physics*, 54(6):300, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2013:HMV

- [3145] Nikolaos E. Myridis. *Handbook of 3D Machine Vision: Optical Metrology and Imaging*, Series in Optics and Optoelectronics, edited by Song Zhang, Scope: edited book. Level: postgraduate, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 54(6):300–301, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2013:QCL

- [3146] K. Alan Shore. *Quantum Cascade Lasers*, by Jérôme Faist, Scope: monograph. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 54(6):301–302, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tarleton:2013:DMS

- [3147] Edmund Tarleton. *Dislocations, Mesoscale Simulations and Plastic Flow*, Oxford Series on Materials Modelling 5, by Ladislav Kubin, Scope: textbook. Level: postgraduate, researcher. *Contemporary Physics*, 54(6):302–303, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2013:EMT

- [3148] K. Alan Shore. *Electromechanics and MEMS*, by Thomas B. Jones and Nenad G. Nenadic, Scope: textbook. Level: postgraduate, advanced undergraduate, early career researcher, researcher, teacher, specialist. *Contemporary Physics*, 54(6):303, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2013:TIE

- [3149] Richard Shorter. *TESLA: Inventor of the Electrical Age*, by W. Bernard Carlson, Scope: biography. Level: general readership. *Contemporary Physics*, 54(6):303–304, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chakraborty:2013:WWR

- [3150] Aniruddha Chakraborty. *The Wonderful World of Relativity: A Precise Guide for the General Reader*, by Andrew M. Steane, Scope: review.

Level: non-specialists. *Contemporary Physics*, 54(6):304, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2013:NVE

- [3151] Richard Shorter. *Night Vision: Exploring the Infrared Universe*, by Michael Rowan-Robinson, Scope: general interest, textbook. Level: general readership, advanced undergraduate, teacher. *Contemporary Physics*, 54(6):304–305, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ellis:2013:LDS

- [3152] R. Ellis. *The Life and Death of Stars*, by Kenneth R. Lang, Scope: monograph. Level: general readership, non-specialists, pre-university, undergraduate. *Contemporary Physics*, 54(6):305–306, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2013:GSE

- [3153] Manuel Vogel. *Gravitation and Spacetime*, 3rd edn., by Hans C. Ohanian and Remo Ruffini, Scope: textbook. Level: advanced undergraduate. *Contemporary Physics*, 54(6):306, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Brown:2013:SMC

- [3154] L. M. Brown. *Strengthening Mechanisms in Crystal Plasticity*, by Ali Argon, Scope: review. Level: scientist, engineers. *Contemporary Physics*, 54(6):306–307, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2013:EGN

- [3155] Thomas Peters. *Einstein Gravity in a Nutshell*, by A. Zee, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 54(6):307–308, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Riis:2013:OMS

- [3156] Erling Riis. *Optical Magnetometry*, Scope: reference. Level: postgraduate. *Contemporary Physics*, 54(6):308–309, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Andrews:2013:QPL

- [3157] David L. Andrews. *Quantum Physics and Linguistics: A Compositional, Diagrammatic Discourse*, Scope: edited book, monograph. Level: postgraduate, early career researcher, researcher, specialist. *Contemporary*

Physics, 54(6):309, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2013:EB

- [3158] Anonymous. Editorial board. *Contemporary Physics*, 54(6):ebi, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fernandez-Garcia:2014:DCN

- [3159] Roberto Fernández-García, Yannick Sonnefraud, Antonio I. Fernández-Domínguez, Vincenzo Giannini, and Stefan A. Maier. Design considerations for near-field enhancement in optical antennas. *Contemporary Physics*, 55(1):1–11, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Knuth:2014:IBP

- [3160] Kevin H. Knuth. Information-based physics: an observer-centric foundation. *Contemporary Physics*, 55(1):12–32, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harter:2014:CAI

- [3161] A. Härter and J. Hecker Denschlag. Cold atom–ion experiments in hybrid traps. *Contemporary Physics*, 55(1):33–45, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milburn:2014:QDS

- [3162] G. J. Milburn. *Quantum Dissipative Systems*, (Fourth edition), by Ulrich Weiss, Scope: monograph. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 55(1):46–47, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2014:NLH

- [3163] D. G. C. Jones. *Nature Loves to Hide: Quantum Physics and the Nature of Reality*, a Western Perspective (Revised Edition), by Shimon Malin, Scope: review. Level: non-specialists, undergraduate. *Contemporary Physics*, 55(1):47, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zetie:2014:TTW

- [3164] K. P. Zetie. *Time Travel and Warp Drives: A Scientific Guide to Shortcuts through Time and Space*, by Allen Everett and Thomas Roman, Scope: general interest. Level: undergraduate, pre-university, teacher, scientist. *Contemporary Physics*, 55(1):47–48, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fox:2014:GOA

- [3165] Mark Fox. *Generalised Optomechanics and its Applications: Quantum Optical Properties of Generalised Optomechanical System*, by Jin-Jin Li and Ka-Di Zhu, Scope: monograph. Level: researcher. *Contemporary Physics*, 55(1):48, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2014:MEA

- [3166] Thomas Peters. *Modern Electrodynamics*, by Andrew Zangwill, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 55(1):49, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2014:PVM

- [3167] Peter J. Bussey. *A Physicist's View of Matter and Mind*, by Chandre Dharma-wardana, Scope: general interest. Level: scientist. *Contemporary Physics*, 55(1):49–50, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ellis:2014:CCH

- [3168] Richard Ellis. *The Cosmic Century: A History of Astrophysics and Cosmology*, by Malcolm S. Longair, Scope: monograph, reference, review. Level: postgraduate, advanced undergraduate, early career researcher, researcher, teacher. *Contemporary Physics*, 55(1):50–51, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lancaster:2014:PDE

- [3169] Tom Lancaster. *Polarons*, by David Emin, Scope: monograph. Level: postgraduate, researcher. *Contemporary Physics*, 55(1):51, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2014:PMK

- [3170] Manuel Vogel. *Physical Mathematics*, by Kevin Cahill, Scope: reference, text book. Level: advanced undergraduate, researcher. *Contemporary Physics*, 55(1):51–52, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2014:YSP

- [3171] Peter J. Bussey. *100 Years of Subatomic Physics*, edited by Ernest M. Henley and Stephen D. Ellis, Scope: edited book. Level: specialist. *Contemporary Physics*, 55(1):52–53, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2014:MTF

- [3172] Andrew Resnick. *Mathematical Topics in Fluid Mechanics — Volumes 1 & 2*, by Pierre-Louis Lions, Scope: monograph, review. Level: post-graduate, researcher, specialist, scientist. *Contemporary Physics*, 55(1):53, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Owen:2014:HAR

- [3173] Hywel Owen, Ranald MacKay, Ken Peach, and Susan Smith. Hadron accelerators for radiotherapy. *Contemporary Physics*, 55(2):55–74, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wang:2014:NGM

- [3174] L. Wang and S. Gai. The next generation mass storage devices — physical principles and current status. *Contemporary Physics*, 55(2):75–93, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fedorov:2014:SME

- [3175] M. V. Fedorov and N. I. Miklin. Schmidt modes and entanglement. *Contemporary Physics*, 55(2):94–109, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Burton:2014:AER

- [3176] David A. Burton and Adam Noble. Aspects of electromagnetic radiation reaction in strong fields. *Contemporary Physics*, 55(2):110–121, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2014:UNR

- [3177] A. H. Harker. *Understanding the Nanotechnology Revolution*, by Edward L. Wolf and Manasa Medikonda, Scope: general interest. Level: general readership. *Contemporary Physics*, 55(2):122, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Virmani:2014:ISM

- [3178] S. Virmani. *An Introduction to Statistical Mechanics and Thermodynamics*, by Robert H. Swendsen, Scope: text book. Level: non-specialists. undergraduate. postgraduate. advanced undergraduate. teacher. scientist. engineers. *Contemporary Physics*, 55(2):122–123, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2014:ONE

- [3179] Peter J. Dobson. *Optochemical Nanosensors*, edited by Andrea Cusano, Francisco J. Arregui, Michele Giordano and Antonello Cutolo, Scope: monograph, reference. Level: postgraduate, early career researcher, researcher, specialist, scientist, engineers. *Contemporary Physics*, 55(2):123–124, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Belsley:2014:IQI

- [3180] Michael Belsley. *Introduction to Quantum Information Science*, by Vlatko Vedral, Scope: text book. Level: advanced undergraduate, postgraduate, early career researcher. *Contemporary Physics*, 55(2):124–125, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2014:CMP

- [3181] A. H. Harker. *Computational Methods for Physics*, by Joel Franklin, Scope: text book. Level: undergraduate. *Contemporary Physics*, 55(2):125, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2014:STS

- [3182] Peter V. E. McClintock. *Space, Time, & Stuff*, by Frank Arntzenius, Scope: monograph. Level: postgraduate students, researchers. *Contemporary Physics*, 55(2):126, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2014:MSM

- [3183] J. Rogel-Salazar. *Modern Statistical Methods for Astronomy With R Applications*, by Eric D. Feigelson and G. Jogesh Babu, Scope: reference. Level: advanced undergraduate, graduate, specialised. *Contemporary Physics*, 55(2):126–127, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Huan:2014:SCE

- [3184] Chao Huan. *Spin Current*, edited by Sadamichi Maekawa, Sergio O. Valenzuela, Eiji Saitoh, and Takashi Kimura, Scope: monograph, review. Level: postgraduate, advanced undergraduate, early career researcher, researcher, teacher, specialist, scientist. *Contemporary Physics*, 55(2):127–128, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stewart:2014:INR

- [3185] John M. Stewart. *Introduction to 3 + 1 Numerical Relativity*, by Miguel Alcubierre, Scope: review. Level: advanced undergraduate, postgraduate, early career researcher. *Contemporary Physics*, 55(2):128–129, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2014:SBD

- [3186] Peter V. E. McClintock. *Simple Brownian Diffusion*, by Daniel Thomas Gillespie and Effrosyni Seitaridou, Scope: textbook. Level: senior undergraduate students, postgraduates, researchers. *Contemporary Physics*, 55(2):129, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2014:NSV

- [3187] Peter V. E. McClintock. *Novel Superfluids: Vol. 1*, edited by K. H. Bennemann and J. B. Ketterson, Scope: monograph. Level: postgraduate students, researchers. *Contemporary Physics*, 55(2):130–132, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2014:SDA

- [3188] J. Rogel-Salazar. *Statistical Data Analysis for the Physical Sciences*, by Adrian Bevan, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 55(2):132–133, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McOrist:2014:GTM

- [3189] Jock McOrist. *Geometric and Topological Methods for Quantum Field Theory*, edited by Alexander Cardona, Iván Contreras and Andrés F. Reyes-Lega, Scope: conference proceedings, review. Level: postgraduate student, early career researcher, researcher. *Contemporary Physics*, 55(2):133, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2014:FQG

- [3190] B. Ishak. *Foundations of Quantum Gravity*, by James Lindesay, Scope: textbook. level: specialist. *Contemporary Physics*, 55(2):134, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stewart:2014:AGR

- [3191] John M. Stewart. *Advanced General Relativity: Gravity Waves, Spinning Particles and Black Holes*, by Claude Barrabès and Peter A. Hogan, Scope: textbook, review. Level: advanced undergraduate, postgraduate,

early career researcher. *Contemporary Physics*, 55(2):134–135, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2014:HOG

- [3192] Salvatore Esposito. *Herschel 400 Observing Guide*, by Stephen James O’Meara, Scope: general interest. Level: general readership. *Contemporary Physics*, 55(2):135, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Downing:2014:FMP

- [3193] C. A. Downing. *Foundation Mathematics for the Physical Sciences*, by K. F. Riley and M. P. Hobson, Scope: textbook, solution manual. Level: first year undergraduate. *Contemporary Physics*, 55(2):136, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2014:NEC

- [3194] Peter J. Dobson. *Nanotechnology for the Energy Challenge*, edited by Javier Garcia-Martinez, Scope: monograph, reference, review. Level: undergraduate, postgraduate, advanced undergraduate, early career researcher, researcher, specialist, scientist, engineers. *Contemporary Physics*, 55(2):136–137, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2014:SRS

- [3195] Peter J. Bussey. *Science, Religion and the Search for Extraterrestrial Intelligence*, by David Wilkinson, Scope: general interest. Level: general readership. *Contemporary Physics*, 55(2):137–138, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2014:USC

- [3196] D. W. Jones. *Uncorked: The Science of Champagne*, Revised ed. by Gerard Liger-Belair, Scope: general interest, monograph. Level: postgraduate, advanced undergraduate, researcher, scientist. *Contemporary Physics*, 55(2):138–139, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2014:BSU

- [3197] Eric Sheldon. *Behind the Scenes of the Universe: From the Higgs to Dark Matter*, by Gianfranco Bertone. Scope: popular survey, general interest. Level: general readership, undergraduate, teacher, scientist. *Contemporary Physics*, 55(2):139–140, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sambles:2014:TLE

- [3198] J. R. Sambles. *Transmission Lines: Equivalent Circuits, Electromagnetic Theory and Photons*, by Richard Collier, Scope: review. Level: undergraduates. *Contemporary Physics*, 55(2):140–141, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Appleby:2014:OWI

- [3199] Rob Appleby. *Oscillations and Waves: An Introduction*, by Richard Fitzpatrick, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 55(2):141, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lovesey:2014:EMV

- [3200] S. W. Lovesey. *Electricity and Magnetism, Volume 1: Third Edition, Electricity and Magnetism, Volume 2: Third Edition*, by B. I. Bleaney and B. Bleaney, Scope: textbook, level: undergraduate. *Contemporary Physics*, 55(2):141–142, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barber:2014:WPM

- [3201] D. C. Barber. *Webb's Physics of Medical Imaging*, (Second Edition), edited by M. Flower, Scope: textbook, review. Level: postgraduate, early career researcher, researcher, scientist. *Contemporary Physics*, 55(2):142–143, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lovesey:2014:CDG

- [3202] S. W. Lovesey. *Complex Dynamics of Glass-forming Liquids: A Mode-coupling Theory*, by Wolfgang Götze, Scope: review. Level: general readership. *Contemporary Physics*, 55(2):143–144, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2014:CMO

- [3203] Mario Bertolotti. *Cosmic Masers — From OH to Ho (IAU S287)*, edited by Roy S. Booth, Wouter H. T. Vlemmings and Elizabeth M. L. Humphreys. Scope: edited book. Level: specialist. *Contemporary Physics*, 55(2):144–145, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hobson:2014:IGD

- [3204] Peter R. Hobson. *Imaging Gaseous Detectors and their Applications*, by Eugenio Nappi and Vladimir Peskov, Scope: monograph. Level: post-

graduate, researcher. *Contemporary Physics*, 55(2):145, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Holland:2014:PFC

- [3205] Peter Holland. *Physical Foundations of Continuum Mechanics*, by A. Ian Murdoch, Scope: monograph. Level: postgraduate, early career researcher, researcher, specialist, scientist, engineers. *Contemporary Physics*, 55(2):145–146, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2014:NPE

- [3206] D. J. Miller. *Nuclear Physics: Exploring the Heart of Matter*, by National Research Council, Scope: report, review. Level: administrators of nuclear physics research programmes, politicians, interested non-experts, physics students looking for an overview, postgraduate, researcher. *Contemporary Physics*, 55(2):146–147, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Duxbury:2014:LBM

- [3207] Geoffrey Duxbury. *Laser-Based Measurements for Time and Frequency Domain Applications: A Handbook*, by Pasquale Maddaloni, Marco Bellini, and Paolo De Natale, Scope: monograph, reference, review. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 55(2):147–148, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2014:HAP

- [3208] David J. Miller. *Handbook of Accelerator Physics and Engineering*, 2nd edition, by Alexander Wu Chao, Karl Hubert Mes, Maury Tigner and Frank Zimmermann, Scope: handbook. Level: postgraduate, researcher. *Contemporary Physics*, 55(2):148, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Professor:2014:FSS

- [3209] S. J. Blundell Professor. *Frustrated Spin Systems*, (2nd ed.), edited by H. T. Diep, Scope: monograph. Level: researcher. *Contemporary Physics*, 55(2):148–149, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Marnham:2014:QIT

- [3210] Lachlan Marnham. *Quantum Information Theory and the Foundations of Quantum Mechanics*, by Christopher G. Timpson, Scope: review,

text book. Level: non-specialists, postgraduate, advanced undergraduate, early career researcher, researcher, teacher, specialist, scientist. *Contemporary Physics*, 55(2):149, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anel:2014:MCP

- [3211] Juan A. Añel. *Mesoscale-Convective Processes in the Atmosphere*, by Robert J. Trapp, Scope: textbook. Level: undergraduate, postgraduate, advanced undergraduate, researcher, teacher. *Contemporary Physics*, 55(2):149–150, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Downing:2014:EMM

- [3212] Charles Downing. *Essential Mathematical Methods for the Physical Sciences & Student Solution Manual for Essential Mathematical Methods for the Physical Sciences*, by K. F. Riley and M. P. Hobson, Scope: textbook, solution manual. Level: undergraduate. *Contemporary Physics*, 55(2):150–151, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Professor:2014:GMB

- [3213] N. Riley Professor. *Granular Media; Between Fluid and Solid*, by Bruno Andreotti, Yoël Forterre and Olivier Pouliquen, Scope: monograph, reference. Level: postgraduate, researcher and specialist. *Contemporary Physics*, 55(2):151–152, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Professor:2014:SMM

- [3214] S. J. Blundell Professor. *Statistical Mechanics of Magnetic Excitations, From Spin Waves to Stripes and Checkerboards*, by Enrico Rastelli, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 55(2):152–153, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2014:CAN

- [3215] Manuel Vogel. *The Cosmos: Astronomy in the New Millennium*, 4th edition, by Jay M. Pasachoff and Alex Filippenko, Scope: general interest, text book. Level: pre-university, undergraduate. *Contemporary Physics*, 55(2):153, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Osborn:2014:GTP

- [3216] H. Osborn. *Gauge Theories in Particle Physics: A Practical Introduction*, Fourth Edition, Volumes 1 & 2, by Ian Aitchison and Anthony Hey, Scope: textbook. Level: advanced undergraduates, graduates. *Contemporary Physics*, 55(2):154, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:2014:MQQ

- [3217] Stig Stenholm. *Mathematics of Quantization and Quantum Fields*, by Jan Dereziński and Christian Gérard, Scope: monograph. Level: specialist. *Contemporary Physics*, 55(2):154–155, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Osborn:2014:TPP

- [3218] H. Osborn. *Three-Particle Physics and Dispersion Relation Theory*, by A. V. Anisovich, V. V. Anisovich, M. A. Matveev, V. A. Nikonov, J. Nyiri, and A. V. Sarantsev, Scope: monograph. Level: specialists. *Contemporary Physics*, 55(2):155–156, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2014:STS

- [3219] B. Ishak. *String Theory and the Scientific Method*, by Richard Dawid, Scope: general interest. Level: specialists, scientists. *Contemporary Physics*, 55(2):156, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Palmer:2014:LGP

- [3220] T. N. Palmer. Lorenz, Gödel and Penrose: new perspectives on determinism and causality in fundamental physics. *Contemporary Physics*, 55(3):157–178, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tsallis:2014:INE

- [3221] Constantino Tsallis. An introduction to nonadditive entropies and a thermostistical approach to inanimate and living matter. *Contemporary Physics*, 55(3):179–197, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Walker:2014:UST

- [3222] Matthew G. Walker and Abraham Loeb. Is the universe simpler than Λ CDM? *Contemporary Physics*, 55(3):198–211, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Child:2014:QMM

- [3223] M. S. Child. Quantum monodromy and molecular spectroscopy. *Contemporary Physics*, 55(3):212–221, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2014:GBA

- [3224] Derry W. Jones. *The genesis of the Bohr atom*, Scope: review. Level: general readership, undergraduate, postgraduate, advanced undergraduate. *Contemporary Physics*, 55(3):222–225, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2014:HBQ

- [3225] Eric Sheldon. *The Higgs boson, its quantum-field interaction mechanism and its aftermath*. Scope: general interest. Level: general readership, non-specialists, teacher. *Contemporary Physics*, 55(3):226–230, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dombey:2014:CBH

- [3226] Norman Dombey. *Churchill's Bomb: a hidden history of science, war and politics*, Scope: history of science. Level: general reader. *Contemporary Physics*, 55(3):231–234, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Licata:2014:SQO

- [3227] Ignazio Licata. *In search of the quantum oneness*, Scope: review. Level: scientist. *Contemporary Physics*, 55(3):235–237, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2014:NAS

- [3228] Eric Sheldon. *The nuclear astrophysics of star-shine*, Scope: textbook. Level: advanced undergraduate, graduate, professional and specialist researcher, early career researcher. *Contemporary Physics*, 55(3):238–241, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2014:CCS

- [3229] Peter J. Bussey. *Complexity is complex*, Scope: edited book. Level: general reader, specialist. *Contemporary Physics*, 55(3):242–245, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Marnham:2014:CIQ

- [3230] Lachlan Marnham. *Conductor-Insulator Quantum Phase Transitions*, edited by Vladimir Dobrosavljevic, Nandini Trivedi, and James M. Valles, Jr., Scope: reference, review. Level: postgraduate, specialist, early career researcher, researcher, scientist. *Contemporary Physics*, 55(3):246, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nicol:2014:PPR

- [3231] Mark Nicol. *Physical Principles of Remote Sensing*, (3rd Edition), by W. G. Rees, Scope: handbook, text book. Level: undergraduate, postgraduate, advanced undergraduate, teacher, engineers. *Contemporary Physics*, 55(3):246–247, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2014:URI

- [3232] Nikolaos E. Myridis. *Ultra-realistic Imaging: Advanced Techniques in Analogue and Digital Colour Holography*, by Hans Bjelkhagen and David Brotherton-Ratcliffe, Scope: handbook. Level: postgraduate, advanced undergraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 55(3):247–248, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Khare:2014:PCM

- [3233] Prashant Khare. *Physics of Continuous Media: Problems and Solutions in Electromagnetism, Fluid Mechanics and MHD*, by Grigory Vekstein, Scope: reference, text book. Level: postgraduate, advanced undergraduate, early career researcher, teacher, engineers. *Contemporary Physics*, 55(3):248–249, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nicol:2014:PSS

- [3234] Mark Nicol. *Planetary Science: The Science of Planets around Stars*, Second Edition, by George H. A. Cole and Michael M. Woolfson, Scope: general interest, text book. Level: general readership, non-specialists, pre-university, undergraduate, postgraduate, advanced undergraduate, scientist, engineers. *Contemporary Physics*, 55(3):249–250, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lancaster:2014:AME

- [3235] Tom Lancaster. *Advanced Mechanics: From Euler's Determinism to Arnold's Chaos*, by S. G. Rajeev, Scope: textbook. Level: advanced

undergraduate. *Contemporary Physics*, 55(3):250, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Spurgeon:2014:ENS

- [3236] Steven R. Spurgeon. *Experimental Neutron Scattering*, by B. T. M. Willis and C. J. Carlile, Scope: text book. Level: undergraduate. *Contemporary Physics*, 55(3):250–251, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2014:MPP

- [3237] Peter J. Bussey. *Modern Particle Physics*, by Mark Thomson, Scope: textbook. Level: postgraduate, teacher. *Contemporary Physics*, 55(3):251–252, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2014:FPS

- [3238] Thomas Peters. *Fundamental Planetary Science: Physics, Chemistry and Habitability*, by Jack J. Lissauer and Imke de Pater, Scope: textbook, level: undergraduate. *Contemporary Physics*, 55(3):252, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salamin:2014:SKA

- [3239] Y. I. Salamin. *Schrödinger's Killer App: Race to Build the World's First Quantum Computer*, by Jonathan P. Dowling, Scope: general interest. Level: general readership. *Contemporary Physics*, 55(3):252–254, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pierri-Galvao:2014:BCP

- [3240] Dr. Monica Pierri-Galvao. *Basic Concepts in Physics: From the Cosmos to Quarks*, by Masud Chaichian, Hugo Perez Rojas and Anca Tureanu, Scope: review. Level: undergraduate. *Contemporary Physics*, 55(3):254, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bengtsson:2014:TFS

- [3241] Ingemar Bengtsson. *On the Topology and Future Stability of the Universe*, by Hans Ringström, Scope: monograph. Level: researcher. *Contemporary Physics*, 55(3):254–255, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2014:EPP

- [3242] Manuel Vogel. *Extreme physics: properties and behaviour of matter at extreme conditions*, by Jeff Colvin and Jon Larsen, Scope: text book.

Level: advanced undergraduate. *Contemporary Physics*, 55(3):256, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nicol:2014:UUI

- [3243] Mark Nicol. *Understanding the Universe: An Inquiry Approach to Astronomy and the Nature of Scientific Research*, by George Greenstein, Scope: text book. Level: pre-university, undergraduate, teacher. *Contemporary Physics*, 55(3):256–257, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2014:TSE

- [3244] D. W. Jones. *A Tale of Seven Elements*, by Eric Scerri, Scope: accessible monograph. Level: undergraduate, general readership. *Contemporary Physics*, 55(3):257–258, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fox:2014:APP

- [3245] Mark Fox. *Atomic Physics: Precise Measurements and Ultracold Matter*, by Massimo Inguscio and Leonardo Fallani, Scope: monograph. Level: postgraduate, advanced undergraduate, early career researcher, researcher. *Contemporary Physics*, 55(3):258–259, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Munro:2014:HBV

- [3246] Peter R. T. Munro. *Handbook of Biophotonics: 3 Volume Set*, edited by Jürgen Popp, Valery V. Tuchin, Arthur Chiou and Stefan H. Heinemann, Scope: handbook, reference. Level: specialist, scientist, engineers. *Contemporary Physics*, 55(3):259, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Casazza:2014:PCC

- [3247] Marco Casazza. *The Principle of the Common Cause*, by Gábor Hofer-Szabó, Miklós Rédei and László E. Szabó, Scope: monograph. Level: postgraduate, early career researcher, researcher, teacher, specialist, scientist. *Contemporary Physics*, 55(3):260, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2014:EPE

- [3248] Thomas Peters. *Econophysics and Physical Economics*, by Peter Richmond, Jürgen Mimkes and Stefan Hutzler, Scope: text book. Level: advanced undergraduate. *Contemporary Physics*, 55(3):260–261, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Edmunds:2014:AMM

- [3249] M. G. Edmunds. The Antikythera mechanism and the mechanical universe. *Contemporary Physics*, 55(4):263–285, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Battista:2014:SPS

- [3250] F. Battista. Single particle sources and quantum heat fluctuations. *Contemporary Physics*, 55(4):286–301, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ropars:2014:SPS

- [3251] Guy Ropars, Vasudevan Lakshminarayanan, and Albert Le Floch. The sunstone and polarised skylight: ancient Viking navigational tools? *Contemporary Physics*, 55(4):302–317, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Biondo:2014:MMB

- [3252] A. E. Biondo, A. Pluchino, and A. Rapisarda. Micro and macro benefits of random investments in financial markets. *Contemporary Physics*, 55(4):318–334, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2014:SRS

- [3253] Derry W. Jones. *Serving the Reich: The Struggle for the Soul of Physics under Hitler*, by Philip Ball, Scope: general interest. Level: general readership. *Contemporary Physics*, 55(4):335–336, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2014:CGH

- [3254] Derry W. Jones. *Crystals in Glass: A Hidden Beauty*, by E. D. Zanotto, Scope: general interest. Level: general readership. *Contemporary Physics*, 55(4):336–337, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2014:EPN

- [3255] K. Alan Shore. *Electronic Processes in Non-crystalline Materials*, (Second Edition), by N. F. Mott and E. A. Davis, Scope: text book. Level: advanced undergraduate. *Contemporary Physics*, 55(4):337, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2014:SCD

- [3256] J. Rogel-Salazar. *Stochastic Calculus and Differential Equations for Physics and Finance*, by Joseph L. McCauley, Scope: review. Level: postgraduate, researcher, specialist. *Contemporary Physics*, 55(4):338, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fox:2014:QPS

- [3257] Mark Fox. *Quantum Processes in Semiconductors*, (Fifth Edition), by Brian K. Ridley, Scope: text book. Level: postgraduate. *Contemporary Physics*, 55(4):338–339, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Khare:2014:SGE

- [3258] Prashant Khare. *A Student's Guide to Entropy*, by Don S. Lemons, Scope: textbook. Level: undergraduate, early stage postgraduate. *Contemporary Physics*, 55(4):339, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2014:SIL

- [3259] Nikolaos E. Myridis. *Scientific Inference: Learning from Data*, by Simon Vaughan, Scope: textbook. Level: undergraduate, advanced undergraduate, researcher, teacher, scientist, engineers. *Contemporary Physics*, 55(4):339–340, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2014:PQM

- [3260] Manuel Vogel. *The Physics of Quantum Mechanics*, by James Binney and David Skinner, Scope: text book. Level: undergraduate, advanced undergraduate. *Contemporary Physics*, 55(4):340–341, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2014:PRS

- [3261] Peter J. Bussey. *The Physics of Reality: Space, Time, Matter, Cosmos*, edited by Richard L. Amoroso, Louis H. Kauffman and Peter Rowlands, Scope: conference proceedings. Level: specialist. *Contemporary Physics*, 55(4):341–342, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2014:HRG

- [3262] D. G. C. Jones. *How the Ray Gun Got Its Zap: Odd Excursions into Optics*, by Stephen R. Wilk, Scope: review. Level: general readership,

non-specialists, undergraduate. *Contemporary Physics*, 55(4):342, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2014:AVS

- [3263] Peter V. E. McClintock. *Astrobiology: A Very Short Introduction*, by David C. Catling, Scope: monograph. Level: general readership. *Contemporary Physics*, 55(4):342–344, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2014:FDG

- [3264] K. Alan Shore. *Functional Differential Geometry*, by Gerald Jay Sussman and Jack Wisdom with Will Farr, Scope: textbook. Level: advanced undergraduate. *Contemporary Physics*, 55(4):344, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2014:IGB

- [3265] K. Alan Shore. *Introduction to Graphene-Based Nanomaterials: From Electronic Structure to Quantum Transport*, by Luis E. F. Foa Torres, Stephan Roche and Jean-Christophe Charlier, Scope: textbook. Level: postgraduate, advanced undergraduate. *Contemporary Physics*, 55(4):344–345, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2014:PEA

- [3266] B. Ishak. *The Physics and Evolution of Active Galactic Nuclei*, by Hagai Netzer, Scope: monograph. Level: specialists. *Contemporary Physics*, 55(4):345, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wang:2014:NSP

- [3267] Chih-Yueh Wang. *Neutron Stars and Pulsars (IAU S291): Challenges and Opportunities after 80 Years, Proceedings of the International Astronomical Union (IAU S279)*, edited by Joeri van Leeuwen., Scope: conference proceedings. Level: researcher, scientist. *Contemporary Physics*, 55(4):346–347, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2014:DMC

- [3268] B. Ishak. *Dark Matter and Cosmic Web Story*, by Jaan Einasto, Scope: monograph. Level: general readership, specialists. *Contemporary Physics*, 55(4):347, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lovesey:2014:PSG

- [3269] S. W. Lovesey. *Perspectives on Spin Glasses*, by Pierluigi Contucci and Cristian Giardinà, Scope: reference. Level: postgraduate. *Contemporary Physics*, 55(4):347–348, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Joseph:2014:MPE

- [3270] Robert D. Joseph. *Magnificent Principia: exploring Isaac Newton's masterpiece*, by Colin Pask, Scope: general interest, monograph. Level: general readership, undergraduate, postgraduate, advanced undergraduate, teacher. *Contemporary Physics*, 55(4):348–349, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nikolopoulos:2014:CPE

- [3271] Lampros Nikolopoulos. *Computational Physics*, 2nd Edition, by Jos Thijsen, Scope: review. Level: general readership. *Contemporary Physics*, 55(4):349–350, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Phelps:2014:WOP

- [3272] Alan D. R. Phelps. *Waves and Oscillations in Plasmas*, by Hans L. Pécseli, Scope: text book. Level: undergraduate, postgraduate, advanced undergraduate, early career researcher. *Contemporary Physics*, 55(4):350, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lawrie:2014:BHN

- [3273] Ian D. Lawrie. *Black Holes — New Horizons*, edited by Sean Hayward, Scope: edited book. Level: specialist. *Contemporary Physics*, 55(4):350–351, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Licata:2014:ESP

- [3274] Ignazio Licata. *Energy Science, Principles, Technologies and Impacts: Second Edition*, by John Andrews and Nick Jelley, Scope: review. Level: general readership, undergraduate, early career researcher, teacher. *Contemporary Physics*, 55(4):351–352, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2014:IMN

- [3275] Peter J. Dobson. *Introduction to Metal-nanoparticle Plasmonics*, by Matthew Pelton and Garnett W. Bryant, Scope: review. Level: postgrad-

uate, advanced undergraduate, researcher, scientist, engineers. *Contemporary Physics*, 55(4):352–353, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Phelps:2014:PRL

- [3276] Alan D. R. Phelps. *Plasma Research at the Limit: From the International Space Station to Applications on Earth*, (with DVD-ROM), by Gregor Morfill, Yuri Baturin, and Vladimir Fortov. Scope: monograph. Level: general readership. *Contemporary Physics*, 55(4):353, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lovesey:2014:TIT

- [3277] S. W. Lovesey. *Topological Insulators and Topological Superconductors*, by B. Andrei Bernevig with Taylor L. Hughes, Scope: text book. Level: advanced undergraduate. *Contemporary Physics*, 55(4):353–354, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stewart:2014:RHL

- [3278] John M. Stewart. *Relativistic Hydrodynamics*, by Luciano Rezzolla and Olindo Zanotti, Scope: monograph, text book. Level: postgraduate, advanced undergraduate, early career researcher, researcher. *Contemporary Physics*, 55(4):354–355, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2014:GNP

- [3279] A. H. Harker. *Graphene: A New Paradigm in Condensed Matter and Device Physics*, by E. L. Wolf, Scope: monograph. Level: postgraduate, advanced undergraduate, early career researcher, researcher. *Contemporary Physics*, 55(4):355, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2014:PTM

- [3280] A. H. Harker. *Phase Transitions: Modern Applications*, (2nd edition), by Moshe Gitterman, Scope: text book. Level: postgraduate. *Contemporary Physics*, 55(4):355–356, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2014:JCM

- [3281] Richard Shorter. *James Clerk Maxwell: Perspectives on His Life and Work*, edited by Raymond Flood, Mark McCartney, and Andrew Whitaker, Scope: Review. Level: general readership. *Contemporary Physics*, 55(4):356, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2014:QMG

- [3282] Thomas Peters. *Quantum Mechanics*, by Gennaro Auletta, Mauro Fortunato and Giorgio Parisi, Scope: text book. Level: advanced undergraduate. *Contemporary Physics*, 55(4):357, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2014:HBB

- [3283] Peter V. E. McClintock. *How Big is Big and How Small is Small: The Sizes of Everything and Why*, by Timothy Paul Smith, Scope: monograph. Level: general readership, non-specialists, scientists, engineers. *Contemporary Physics*, 55(4):357–358, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2014:SOW

- [3284] Manuel Vogel. *The Science of Ocean Waves: Ripples, Tsunamis and Stormy Seas*, by J. B. Zirker, Scope: general interest. Level: general readership. *Contemporary Physics*, 55(4):358–359, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2014:IME

- [3285] Richard Shorter. *An Introduction to Mechanics*, (2nd Edition), by Daniel Kleppner and Robert Kolenkow, Scope: review. Level: pre-university, undergraduate, teacher. *Contemporary Physics*, 55(4):359, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:2014:ATS

- [3286] Robert C. Smith. *Astrophysical Techniques*, Sixth Edition, by C. R. Kitchin, Scope: general interest, text book. Level: general readership, postgraduate, advanced undergraduate, teacher. *Contemporary Physics*, 55(4):359–360, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2014:QWM

- [3287] D. G. C. Jones. *The Quantum World*, by Michel Le Bellac and Alain Aspect, Scope: review. Level: advanced undergraduate. *Contemporary Physics*, 55(4):360–361, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2014:EB

- [3288] Anonymous. Editorial board. *Contemporary Physics*, 55(4):ebi, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Knight:2015:EIY

- [3289] Peter Knight. Editorial — international year of light. *Contemporary Physics*, 56(1):1, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Berry:2015:NOO

- [3290] M. V. Berry. Nature's optics and our understanding of light. *Contemporary Physics*, 56(1):2–16, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Treu:2015:GLE

- [3291] Tommaso Treu and Richard S. Ellis. Gravitational lensing: Einstein's unfinished symphony. *Contemporary Physics*, 56(1):17–34, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Duff:2015:HFF

- [3292] M. J. Duff. How fundamental are fundamental constants? *Contemporary Physics*, 56(1):35–47, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Neukirch:2015:NOO

- [3293] Levi P. Neukirch and A. Nick Vamivakas. Nano-optomechanics with optically levitated nanoparticles. *Contemporary Physics*, 56(1):48–62, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Thompson:2015:ICC

- [3294] Richard C. Thompson. Ion Coulomb crystals. *Contemporary Physics*, 56(1):63–79, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2015:MEM

- [3295] David Bailin. *Mathematics is everything, maybe*, Scope: general interest. Level: general readership. *Contemporary Physics*, 56(1):80–84, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Coffey:2015:CTQ

- [3296] William T. Coffey. *A Concise Treatise on Quantum Mechanics in Phase Space*, Scope: review. Level: postgraduate, advanced undergraduate, early career researcher, researcher. *Contemporary Physics*, 56(1):85–87, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ironside:2015:CPI

- [3297] Charlie Ironside. *Computational Photonics: An Introduction with MATLAB*, by Marek S. Wartak, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 56(1):88, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2015:HOH

- [3298] Mario Bertolotti. *High-order Harmonic Generation in Laser Plasma Plumes*, by Rashid Ganeev, Scope: review. Level: early career researcher, researcher, teacher, specialist. *Contemporary Physics*, 56(1):88–89, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nicol:2015:MWC

- [3299] Mark Nicol. *Madame Wu Chien-Shiung: The First Lady of Physics Research*, by Tsai-Chien Chiang/translated by Tang-Fong Wong, Scope: review. Level: general readership. *Contemporary Physics*, 56(1):89–90, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wang:2015:IDR

- [3300] Chih-Yueh Wang. *Intelligible Design: A Realistic Approach to the Philosophy and History of Science*, by Julio A. Gonzalo and Manuel M. Carreira, Scope: general interest, monograph. Level: general readership, researcher, scientist, engineers. *Contemporary Physics*, 56(1):90, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Benedict:2015:PNT

- [3301] Keith A. Benedict. *The Physics of Nanoelectronics: Transport and Fluctuation Phenomena at Low Temperatures*, by Tero T. Heikkilä, Scope: text book. Level: postgraduate, advanced undergraduate. *Contemporary Physics*, 56(1):90–91, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2015:ERS

- [3302] Salvatore Esposito. *Einstein Relatively Simple: Our Universe Revealed in Everyday Language*, by Ira Mark Egdall, Scope: general interest. Level: general readership. *Contemporary Physics*, 56(1):91, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lancaster:2015:IMQ

- [3303] Tom Lancaster. *An Introduction to Macroscopic Quantum Phenomena and Quantum Dissipation*, A. O. Caldeira, Scope: text book. Level: post-

graduate, early career researcher, researcher. *Contemporary Physics*, 56(1):92, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nicol:2015:CMM

- [3304] Mark Nicol. *A Course in Mathematical Methods for Physicists*, Scope: review. Level: undergraduate. *Contemporary Physics*, 56(1):92–93, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Osborn:2015:SFP

- [3305] H. Osborn. *Symmetry and Fundamental Physics: Tom Kibble at 80*, edited by Jerome Gauntlett, Scope: review. Level: scientist. *Contemporary Physics*, 56(1):93–94, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2015:QSS

- [3306] Manuel Vogel. *Quantum Social Science*, by Emmanuel Haven and Andrei Khrennikov, Scope: monograph. Level: postgraduate, early career researcher, researcher, teacher. *Contemporary Physics*, 56(1):94, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2015:FPE

- [3307] Nikolaos E. Myridis. *Fundamentals of Picoscience*, edited by Klaus D. Sattler, Scope: edited book. Level: postgraduate, advanced undergraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 56(1):95, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dombey:2015:POW

- [3308] Norman Dombey. *Physics and Our World: Reissue of the Proceedings of a Symposium in Honor of Victor F Weisskopf*, Scope: history of science. Level: general reader. *Contemporary Physics*, 56(1):95–96, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2015:PCC

- [3309] B. Ishak. *Physics and Chemistry of Circumstellar Dust Shells*, by Hans-Peter Gail and Erwin Sedlmayr, Scope: text book. Level: specialist. *Contemporary Physics*, 56(1):97, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Osborn:2015:SRB

- [3310] H. Osborn. *Symmetry Relationships between Crystal Structures: Applications of Crystallographic Group Theory in Crystal Chemistry*, by Ulrich

Müller, Scope: monograph. Level: postgraduate, specialist. *Contemporary Physics*, 56(1):97–98, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pikovski:2015:BEQ

- [3311] Alexander Pikovski. *Back-of-the-envelope Quantum Mechanics: With Extensions to Many-body Systems and Integrable PDEs*, by Maxim Olshanii, Scope: textbook/supplementary text. Level: undergraduate and postgraduate. *Contemporary Physics*, 56(1):98, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Joseph:2015:OHH

- [3312] Bob Joseph. *The Oxford Handbook of the history of physics*, edited by Jed Z. Buchwald and Robert Fox, Scope: reference. Level: general readership. *Contemporary Physics*, 56(1):98–99, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2015:YBK

- [3313] S. J. Blundell. *40 Years of Berezinskii–Kosterlitz–Thouless Theory*, edited by Jorge V. José, Scope: monograph. Level: specialist. *Contemporary Physics*, 56(1):99–100, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2015:OHP

- [3314] J. Rogel-Salazar. *One Hundred Physics Visualisations Using Matlab*, (With DVD-ROM), by Dan Green. Scope: Review. Level: Undergraduate. *Contemporary Physics*, 56(1):100, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2015:EPJ

- [3315] B. Ishak. *Essential Physics*, by John Matolyak and Ajawad Haija, Scope: textbook. Level: pre-university. *Contemporary Physics*, 56(1):101, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2015:QFT

- [3316] Thomas Peters. *Quantum Field Theory and the Standard Model*, by Matthew D. Schwartz, Scope: text book. Level: postgraduate. *Contemporary Physics*, 56(1):101–102, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2015:IEP

- [3317] B. Ishak. *Introduction to Elementary Particle Physics*, (2nd Edition), by Alessandro Bettini, Scope: text book. Level: undergraduate, teacher.

Contemporary Physics, 56(1):102, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Andrews:2015:PHS

- [3318] David L. Andrews. *From Photons to Higgs: A Story of Light*, (2nd Edition), by Moo-Young Han. Scope: general interest. Level: non-specialists, postgraduate, advanced undergraduate, teacher, scientist. *Contemporary Physics*, 56(1):102–103, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2015:CLA

- [3319] K. Alan Shore. *Ceramic Lasers*, by Akio Ikesue, Yan Lin Aung, and Voicu Lupei, Scope: monograph. Level: researcher. *Contemporary Physics*, 56(1):103–104, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2015:PMQ

- [3320] Peter J. Bussey. *Probing the Meaning of Quantum Mechanics: Physical, Philosophical and Logical Perspectives*, edited by Diederik Aerts, Sven Aerts and Christian de Ronde, Scope: edited book. Level: researcher. *Contemporary Physics*, 56(1):104, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hull:2015:THP

- [3321] Stephen Hull. *Techniques in High Pressure Neutron Scattering*, by Stefan Klotz, Scope: text book. Level: postgraduate. *Contemporary Physics*, 56(1):104–105, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cowan:2015:NDF

- [3322] Brian Cowan. *Nuclear Dawn: F. E. Simon and the race for Atomic Weapons in World War II*, by Kenneth D. McRae, Scope: review. Level: general readership. *Contemporary Physics*, 56(1):105, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hobson:2015:LEO

- [3323] Peter R. Hobson. *Lasers and Electro-Optics: Fundamentals and Engineering*, (2nd Edition), by Christopher C. Davis, Scope: text book. Level: undergraduate, advanced undergraduate, engineers. *Contemporary Physics*, 56(1):105–106, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2015:Ca

- [3324] Anonymous. Corrigendum. *Contemporary Physics*, 56(1):107, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2015:Cb

- [3325] Anonymous. Corrigendum. *Contemporary Physics*, 56(1):108, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Al-Khalili:2015:AOM

- [3326] Jim Al-Khalili. Advances in optics in the medieval Islamic world. *Contemporary Physics*, 56(2):109–122, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Weisenburger:2015:LMO

- [3327] Siegfried Weisenburger and Vahid Sandoghdar. Light microscopy: an ongoing contemporary revolution. *Contemporary Physics*, 56(2):123–143, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ettl:2015:IRF

- [3328] Svenja Ettl. Introductory review on ‘flying triangulation’: a motion-robust optical 3D measurement principle. *Contemporary Physics*, 56(2):144–158, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Erlich:2015:IHQ

- [3329] Joshua Erlich. An introduction to holographic QCD for nonspecialists. *Contemporary Physics*, 56(2):159–171, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Schuld:2015:IQM

- [3330] Maria Schuld, Ilya Sinayskiy, and Francesco Petruccione. An introduction to quantum machine learning. *Contemporary Physics*, 56(2):172–185, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kappeler:2015:CBM

- [3331] Natascha Kappeler. Cantilevers for biological monitoring: opportunities for classical and quantum physics. *Contemporary Physics*, 56(2):186–201, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Quenby:2015:MSS

- [3332] John Quenby. *Magnetohydrodynamics of the Sun*, Scope: monograph, textbook. Level: postgraduate, researcher, specialist. *Contemporary Physics*, 56(2):202–205, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anel:2015:IWC

- [3333] Juan A. Anel. *On the importance of weather and climate change for our present and future energy needs*, edited by Troccoli, Dubus and Ellen Haupt, Scope: edited book. Level: undergraduate, non-specialists, advanced undergraduate, postgraduate, specialist, scientist, engineers, researcher. *Contemporary Physics*, 56(2):206–208, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wang:2015:EP

- [3334] Chih-Yueh Wang and Yuxiang Peng. Extrasolar planets. *Contemporary Physics*, 56(2):209–213, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2015:PWA

- [3335] Derry W. Jones. *The Physics of War: From Arrows to Atoms*, Scope: history reviews. Level: first-year science undergraduate or general reader. *Contemporary Physics*, 56(2):214–219, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tiwari:2015:DRQ

- [3336] S. C. Tiwari. Demystifying the riddle of quantum physics. *Contemporary Physics*, 56(2):220–224, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2015:ERN

- [3337] Eric Sheldon. Essay review: Nobel lectures: Physics (2006–2010) [review of *Nobel Lectures: Physics (2006–2010)*, edited by Lars Brink, Singapore, NJ, and London, World Scientific 2014, xii + 371 pp. ISBN 978-981-4612-67-8 (hardback), 978-9-81-461268-5 (paperback), 978-9-81-461270-08 (e-book)]. *Contemporary Physics*, 56(2):225–232, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2015:LPP

- [3338] Manuel Vogel. *Light — The Physics of the Photon*, by Ole Keller, Scope: monograph. Level: postgraduate, advanced undergraduate. *Contem-*

porary Physics, 56(2):233, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2015:ISF

- [3339] K. Alan Shore. *Isochronous Systems*, by Francesco Calogero, Scope: monograph. Level: researcher. *Contemporary Physics*, 56(2):233–234, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2015:NDS

- [3340] Peter V. E. McClintock. *Nonautonomous Dynamical Systems in the Life Sciences*, edited by Peter E. Kloeden and Christian Pötzsche, Scope: edited book, monograph. Level: postgraduate, early career researcher, researcher, specialist. *Contemporary Physics*, 56(2):234–235, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2015:EMP

- [3341] B. Ishak. *Elements of Mechanics*, by P. F. Kelly, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 56(2):235–236, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2015:AP

- [3342] Salvatore Esposito. Auroral physics. *Contemporary Physics*, 56(2):236, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2015:NSI

- [3343] A. H. Harker. *Nonlinear Science: An Interactive MathematicaTM Notebook*, by David K. Campbell, Sebastian M. Marotta and Thomas A. Tanury, Scope: guide. Level: undergraduate, postgraduate, advanced undergraduate. *Contemporary Physics*, 56(2):236–237, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2015:SCM

- [3344] A. H. Harker. *Symmetry of Crystals and Molecules*, by Mark Ladd, Scope: textbook. Level: undergraduate, postgraduate, advanced undergraduate. *Contemporary Physics*, 56(2):237–238, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Martin:2015:QFT

- [3345] Alan D. Martin. *Quantum Field Theory for the Gifted Amateur*, by Tom Lancaster and Stephen J. Blundell, Scope: review, text book. Level:

general readership, undergraduate, postgraduate. *Contemporary Physics*, 56(2):238–239, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Schutz:2015:BWM

- [3346] Gunter M. Schütz. *The Bethe Wavefunction*, by Michel Gaudin, Scope: monograph. Level: postgraduate, early career researcher, researcher, scientist, specialist. *Contemporary Physics*, 56(2):239–240, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2015:FCI

- [3347] J. Rogel-Salazar. *Fractional Calculus: An Introduction for Physicists*, (2nd Edition) by Richard Herrmann, Scope: reference. Level: postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 56(2):240, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wang:2015:MGD

- [3348] Chih-Yueh Wang. *Molecular Gas, Dust, and Star Formation in Galaxies (IAU S292)*, edited by Tony Wong and Jürgen Ott. Scope: conference proceeding. Level: researcher/scientist. *Contemporary Physics*, 56(2):240–241, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Carter:2015:EDC

- [3349] Richard Carter. *Engines of Discovery: A Century of Particle Accelerators*, (Revised and Expanded Edition), by Andrew Sessler and Edmund Wilson, Scope: general interest. Level: general readership, non-specialists, pre-university, undergraduate, postgraduate, advanced undergraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 56(2):241–242, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Appleby:2015:BDH

- [3350] Rob Appleby. *Beam Dynamics in High Energy Particle Accelerators*, by Andrzej Wolski, Scope: textbook. Level: advanced undergraduate, postgraduate, early career researcher, researcher. *Contemporary Physics*, 56(2):242–243, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2015:IPA

- [3351] Nikolaos E. Myridis. *Image processing and acquisition using Python*, by Ravishankar Chityala and Sridevi Pudipeddi, Scope: textbook. Level:

general readership, undergraduate, teacher. *Contemporary Physics*, 56(2):243, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Modi:2015:TEN

- [3352] Kavan Modi. Thermal energy at the nanoscale. *Contemporary Physics*, 56(2):243–244, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2015:HNO

- [3353] Peter J. Dobson. *Handbook of Nano-optics and Nanophotonics — 2 Volume Set*, edited by Motoichi Ohtsu, Scope: reference, monograph, handbook. Level: advanced undergraduate, postgraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 56(2):244–245, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

MacKay:2015:LAP

- [3354] Robert S. MacKay. *Local Activity Principle: The Cause of Complexity and Symmetry Breaking*, Scope: monograph. Level: general reader. *Contemporary Physics*, 56(2):245–246, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wickramasinghe:2015:CVD

- [3355] Chandra Wickramasinghe. *COMETS! Visitors from Deep Space*, by David J. Eicher, Scope: review, general interest. Level: general readership, undergraduate. *Contemporary Physics*, 56(2):246–247, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Narozhny:2015:ELP

- [3356] N. B. Narozhny and A. M. Fedotov. Extreme light physics. *Contemporary Physics*, 56(3):249–268, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Townsend:2015:RPS

- [3357] Peter Townsend. The role of physics in shaping music. *Contemporary Physics*, 56(3):269–291, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lutken:2015:IRM

- [3358] C. A. Lütken. Introduction to the role of modular symmetries in graphene and other two-dimensional materials. *Contemporary Physics*, 56(3):292–

318, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hanson:2015:NPM

- [3359] David E. Hanson and John L. Barber. A new paradigm for the molecular basis of rubber elasticity. *Contemporary Physics*, 56(3):319–337, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Valverde:2015:PFU

- [3360] Jose Manuel Valverde. Pattern-formation under acoustic driving forces. *Contemporary Physics*, 56(3):338–358, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nazarenko:2015:WT

- [3361] Sergey Nazarenko. Wave turbulence. *Contemporary Physics*, 56(3):359–373, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2015:FEO

- [3362] K. Alan Shore. *Fundamentals of Electro-optic Systems Design: Communications, Lidar, and Imaging*, Scope: monograph. Level: researcher. *Contemporary Physics*, 56(3):374–376, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Leggett:2015:EOP

- [3363] A. J. Leggett. *Einstein's Opponents: The Public Controversy about the Theory of Relativity in the 1920s*, Scope: general interest, monograph. Level: general readership. *Contemporary Physics*, 56(3):377–378, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2015:SEP

- [3364] B. Ishak. *Stellar Evolution Physics: Volume 2: Advanced Evolution of Single Stars*, Scope: monograph. Level: advanced undergraduates and specialists. *Contemporary Physics*, 56(3):379–380, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bishop:2015:FQO

- [3365] Raymond F. Bishop. *Foundations of quantum optics: a basis for the new quantum technologies*, Scope: textbook. Level: postgraduate, early-career researcher, researcher. *Contemporary Physics*, 56(3):381–384, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Khare:2015:FDP

- [3366] Prashant Khare. *Fluid Dynamics: Part 1: Classical Fluid Dynamics*, Scope: textbook. Level: postgraduate, advanced undergraduate, early career researcher, scientist, engineers. *Contemporary Physics*, 56(3):385–387, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Munro:2015:OAE

- [3367] Peter R. T. Munro. *Optical Antennas*, edited by Mario Agio and Andrea Alù, Scope: handbook, reference. Level: postgraduate, early career researcher, researcher, scientist. *Contemporary Physics*, 56(3):388, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Andrews:2015:QTN

- [3368] David L. Andrews. *The Quantum Theory of Nonlinear Optics*, by Peter D. Drummond and Mark Hillery, Scope: reference, monograph, textbook. Level: postgraduate, researcher, scientist. *Contemporary Physics*, 56(3):388–389, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2015:PTT

- [3369] D. G. C. Jones. *Photonics: technology for the Twenty First Century?*, Scope: monograph. Level: undergraduate, postgraduate. *Contemporary Physics*, 56(3):389–392, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Eberly:2015:NDW

- [3370] Joseph Eberly. *Non-diffracting Waves*, edited by Hugo E. Hernandez-Figueroa, Michel Zamboni-Rached, and Erasmo Recami, Scope: edited book. Level: early career researcher. *Contemporary Physics*, 56(3):392, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Carter:2015:RAS

- [3371] Richard Carter. *Reviews of Accelerator Science and Technology: Volume 5 — Applications of Superconducting Technology to Accelerators*, edited by Alexander W. Chao and Weiren Chou, Scope: review. Level: specialist, scientists, engineers. *Contemporary Physics*, 56(3):392–393, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2015:SLS

- [3372] Manuel Vogel. *Sea-level Science: Understanding Tides, Surges, Tsunamis and Mean Sea-level Changes*, by David Pugh and Philip Woodworth, Scope: monograph. Level: advanced undergraduate. *Contemporary Physics*, 56(3):394, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cowan:2015:TDM

- [3373] Brian Cowan. *Translational Dynamics and Magnetic Resonance: Principles of Pulsed Gradient Spin Echo NMR*, by Paul T. Callaghan, Scope: monograph. Level: researcher. *Contemporary Physics*, 56(3):394–395, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Knight:2015:QMM

- [3374] Peter Knight. *Quantum Machines: Measurement and Control of Engineered Quantum Systems*, edited by Michel Devoret, Benjamin Huard, Robert Schoelkopf, and Leticia F. Cugliandolo, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 56(3):395–396, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2015:NHB

- [3375] Derry W. Jones. *The Nature of the Hydrogen Bond: Outline of a Comprehensive Hydrogen Bond Theory*, by Gastone Gilli and Paola Gilli, Scope: general interest. Level: scientist. *Contemporary Physics*, 56(3):396–397, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bridges:2015:HIT

- [3376] Thomas J. Bridges. *Homogeneous, Isotropic Turbulence: Phenomenology, Renormalization, and Statistical Closures*, by W. David McComb, Scope: monograph. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 56(3):397–398, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2015:DGE

- [3377] B. Ishak. *Dynamics of Galaxies*, (2nd Edition), by Giuseppe Bertin, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 56(3):398–399, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wickramasinghe:2015:AUE

- [3378] Chandra Wickramasinghe. *Alien universe: Extraterrestrial Life in Our Minds and in the Cosmos*, by Don Lincoln, Scope: general interest. Level: general readership, undergraduate. *Contemporary Physics*, 56(3):399–400, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2015:TPT

- [3379] Manuel Vogel. *Time in Powers of Ten: Natural Phenomena and Their Timescales*, by Gerard 't Hooft and Stefan Vandoren, translated by Saskia Eisberg-'t Hooft, Scope: general interest. Level: general readership. *Contemporary Physics*, 56(3):400–401, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2015:SSC

- [3380] Miguel A. F. Sanjuán. *From Strange Simplicity to Complex Familiarity: A Treatise on Matter, Information, Life and Thought*, by Manfred Eigen, Scope: monograph. Level: advanced undergraduate. *Contemporary Physics*, 56(3):401–402, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2015:WPT

- [3381] Derry W. Jones. *Waves and Particles: Two Essays on Fundamental Physics*, by Roger G. Newton, Scope: historical review. Level: general readership. *Contemporary Physics*, 56(3):402, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Linton:2015:ESP

- [3382] Chris Linton. *Electromagnetic Scattering by Particles and Particle Groups: An Introduction*, Scope: monograph, textbook. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 56(3):402–403, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2015:WDB

- [3383] Peter J. Bussey. *What Does a Black Hole Look Like?*, by Charles D. Bailyn, Scope: textbook. Level: advanced undergraduate, postgraduate. *Contemporary Physics*, 56(3):403–404, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Burns:2015:TMF

- [3384] Stephen J. Burns. *The Theory of Materials Failure*, by Richard M. Christensen, Scope: monograph. Level: postgraduate, advanced undergraduates. *Contemporary Physics*, 56(3):404, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2015:Cc

- [3385] Anonymous. Corrigendum. *Contemporary Physics*, 56(3):405, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Eberly:2015:SWS

- [3386] J. H. Eberly. Shimony–Wolf states and hidden coherences in classical light. *Contemporary Physics*, 56(4):407–416, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Umstadter:2015:ALD

- [3387] Donald P. Umstadter. All-laser-driven Thomson X-ray sources. *Contemporary Physics*, 56(4):417–431, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wizinowich:2015:AOA

- [3388] Peter Wizinowich. Adaptive optics in astronomy. *Contemporary Physics*, 56(4):432–450, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Whyntie:2015:CDP

- [3389] T. Whyntie, H. Bithray, J. Cook, A. Coupe, D. Eddy, R. L. Fickling, J. McKenna, B. Parker, A. Paul, and N. Shearer. CERN@school: demonstrating physics with the timepix detector. *Contemporary Physics*, 56(4):451–467, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Moss:2015:HBC

- [3390] Ian G. Moss. Higgs boson cosmology. *Contemporary Physics*, 56(4):468–476, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2015:NOP

- [3391] K. Alan Shore. *Nonlinear optics and photonics*, Scope: monograph, textbook. Level: postgraduate, early career researcher, researcher, teacher, specialist. *Contemporary Physics*, 56(4):477–479, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kourkouvelis:2015:SBS

- [3392] Nikolaos Kourkouvelis. *Spectroscopy for biosciences*, Scope: edited book. Level: specialist. *Contemporary Physics*, 56(4):480–482, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Andrews:2015:QPL

- [3393] David L. Andrews. *Quantum Physics of Light and Matter: A Modern Introduction to Photons, Atoms and Many-Body Systems*, by Luca Salasnich, Scope: reference, textbook. Level: general readership, undergraduate, advanced undergraduate. *Contemporary Physics*, 56(4):483, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2015:PRP

- [3394] B. Ishak. *Planetary rings: a post-equinox view*, Scope: monograph. Level: general readership, undergraduate and specialist. *Contemporary Physics*, 56(4):484–486, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Andrews:2015:LSB

- [3395] David L. Andrews. *Laser Spectroscopy 1: Basic Principles & Laser Spectroscopy 2: Experimental Techniques* (5th edition), Scope: handbook, monograph, reference, text book. Level: postgraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 56(4):487–488, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobrynin:2015:SLM

- [3396] A. N. Dobrynin and S. W. Lovesey. *Shedding light on matter*, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 56(4):489–492, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Volpe:2015:IPL

- [3397] Giovanni Volpe. *An Introduction to Practical Laboratory Optics*, by J. F. James, Scope: monograph, manual, guide. Level: early career researcher, researcher, specialist. *Contemporary Physics*, 56(4):493–495, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lancaster:2015:LCE

- [3398] Tom Lancaster. *Lectures on Classical Electrodynamics*, by Berthold-Georg Englert, Scope: textbook. Level: advanced undergraduate, postgraduate, early career researcher, researcher, teacher, specialist. *Con-*

temporary Physics, 56(4):496, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Leggett:2015:PNR

- [3399] A. J. Leggett. *Physics and Necessity: Rationalist Pursuits from the Cartesian Past to the Quantum Present*, Scope: monograph. Level: undergraduate/specialist. *Contemporary Physics*, 56(4):497–499, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2015:NSS

- [3400] B. Ishak. *Nearest Star: The Surprising Science of our Sun*, (2nd Edition), by Leon Golub and Jay M. Pasachoff, Scope: general interest. Level: general readership. *Contemporary Physics*, 56(4):500, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lovesey:2015:SMQ

- [3401] S. W. Lovesey. *Solution Manual for Quantum Mechanics* (2nd edition), by Ahmed Ishtiaq, Fayyazuddin and Riazuddin, Scope: manual. Level: undergraduate. *Contemporary Physics*, 56(4):501, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salama:2015:NPM

- [3402] Amgad Salama. *Novel Porous Media Formulation for Multiphase Flow Conservation Equations*, by William T Sha, Scope: monograph. Level: postgraduate, researcher, specialist. *Contemporary Physics*, 56(4):501–502, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2015:LHC

- [3403] Peter J. Bussey. *The Large Hadron Collider: The Extraordinary Story of the Higgs Boson and Other Stuff that will Blow Your Mind*, by Don Lincoln. Scope: general interest. Level: general reader. *Contemporary Physics*, 56(4):502, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2015:MSA

- [3404] K. Alan Shore. *Modern Small Antennas*, by Kyohei Fujimoto and Hisashi Morishita, Scope: monograph. Level: specialist, engineers, early career researchers. *Contemporary Physics*, 56(4):502–503, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2015:QAH

- [3405] Derry W. Jones. *The Quantum Age: How the Physics of the Very Small Transformed Our Lives*, by Brian Clegg, Scope: general interest. Level: pre-university, undergraduate, general readership. *Contemporary Physics*, 56(4):503–504, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2015:MRS

- [3406] Peter J. Bussey. *Mind and Reality. The Space–Time Window*, Scope: general interest. Level: general reader, researcher. *Contemporary Physics*, 56(4):504–505, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hobson:2015:MIS

- [3407] Peter R. Hobson. *Measurement Instrumentation and Sensors Handbook Electromagnetic, Optical, Radiation, Chemical, and Biomedical Measurement*, by J. G. Webster and H. Eren, Scope: reference, handbook. Level: non-specialists, undergraduate, advanced undergraduate, postgraduate, early career researcher, teacher, scientist, engineers. *Contemporary Physics*, 56(4):505–506, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2015:NPE

- [3408] Peter J. Dobson. *Nanoantenna Plasmon-Enhanced Spectroscopies for Biotechnological Applications*, edited by Marc Lamy de la Chapelle and Annemarie Pucci, Scope: monograph, reference. Level: advanced undergraduate, postgraduate, early career researcher, researcher, teacher, scientist, engineers. *Contemporary Physics*, 56(4):506, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2015:LGL

- [3409] Andrew Resnick. *Lie groups and Lie algebras for physicists*, by Ashok Das and Susumu Okubo, Scope: monograph. Level: postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 56(4):506–507, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2015:NPE

- [3410] K. Alan Shore. *Nonlinear Physics of Ecosystems*, by Ehud Meron, Scope: monograph. Level: specialist, early career researchers. *Contemporary Physics*, 56(4):507–508, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2015:BHS

- [3411] Manuel Vogel. *Black Holes — A Student Text*, (3rd edition), by Derek Rain and Edwin Thomas, Scope: textbook. Level: postgraduate, advanced undergraduate. *Contemporary Physics*, 56(4):508, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2015:PCH

- [3412] Peter J. Bussey. *Proceedings of the Conference in Honour of the 90th Birthday of Freeman Dyson*, edited by K. K. Phua, L. C. Kwek, N. P. Chang, and A. H. Chang, Scope: conference proceedings. Level: postgraduate, researcher. *Contemporary Physics*, 56(4):508–509, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Riley:2015:DDC

- [3413] Norman Riley. *Double-diffusive Convection*, by Timour Radko, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 56(4):509–510, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2015:CUN

- [3414] Miguel A. F. Sanjuán. *A Certain Uncertainty. Nature's Random Ways*, by Mark P. Silverman, Scope: monograph. Level: advanced undergraduate, postgraduate, early career researcher, researcher, scientist. *Contemporary Physics*, 56(4):510, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:2015:IPO

- [3415] Nigel John Mason. *An Introduction to Planets. Ours and Others; From Earth to Exoplanets*, by Therese Encrenaz, Scope: guide, general interest. Level: general readership, non-specialists, pre-university, undergraduate, advanced undergraduate. *Contemporary Physics*, 56(4):511, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kirk:2016:NFB

- [3416] A. Kirk. Nuclear fusion: bringing a star down to Earth. *Contemporary Physics*, 57(1):1–18, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Morr:2016:CQC

- [3417] Dirk K. Morr. Crossover from quantum to classical transport. *Contemporary Physics*, 57(1):19–45, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jesacher:2016:SHM

- [3418] Alexander Jesacher and Monika Ritsch-Martel. Synthetic holography in microscopy: opportunities arising from advanced wavefront shaping. *Contemporary Physics*, 57(1):46–59, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jennings:2016:NRC

- [3419] David Jennings and Matthew Leifer. No return to classical reality. *Contemporary Physics*, 57(1):60–82, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Duff:2016:H

- [3420] M. J. Duff. *M*-history without the *M*. *Contemporary Physics*, 57(1):83–85, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Licata:2016:ERA

- [3421] Ignazio Licata. Essay review: The architecture of time. *Principles of Discrete Time Mechanics*, by George Jaroszkiewicz, Cambridge Monographs on Mathematical Physics, New York, NY, Cambridge University Press, 2014, 366 + 14 pp., £85.00 (hardback), ISBN: 978-1-107-03429-7. Scope: monograph. Level: scientist. *Contemporary Physics*, 57(1):86–89, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2016:SEP

- [3422] B. Ishak. *Stellar Evolution Physics — Volume 1. Physical Processes in Stellar Interiors*, Scope: monograph. Level: advanced undergraduates and specialists. *Contemporary Physics*, 57(1):90–92, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2016:ERO

- [3423] Peter V. E. McClintock. Essay review: The origins of life on Earth. [*The Search for our Cosmic Ancestry*, by Chandra Wickramasinghe, Singapore, World Scientific, 2014, 216 pp. £25.00 (paperback), ISBN 978-981-4616-97-3, (hardcover) ISBN 978-981-4616-96-6, (e-book) 978-981-4616-99-7], Scope: review, monograph, general interest. Level: general readership, non-specialists, pre-university, undergraduate, advanced undergraduate, postgraduate, early career researcher. *Contemporary Physics*, 57(1):93–95, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McGlynn:2016:CSL

- [3424] Enda McGlynn. *Crystal Symmetry, Lattice Vibrations, and Optical Spectroscopy of Solids: A Group Theoretical Approach*, Scope: textbook. Level: postgraduate, early career researcher, researcher, specialist, scientist & engineers. *Contemporary Physics*, 57(1):96–99, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2016:ERI

- [3425] Peter J. Bussey. Essay review: Illumination on information. *Information and the Nature of Reality: from Physics to Metaphysics*, edited by Paul Davies and Niels Henrik Gregersen, Cambridge, Cambridge University Press, 2014,. 488 pp. £12.99 (paperback). ISBN 978-1-107-68453-9. Scope: edited book. Level: general readership, researcher. *Contemporary Physics*, 57(1):100–103, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Schutz:2016:FSF

- [3426] Gunter M. Schütz. Faith and science: Friend or foe? *Contemporary Physics*, 57(1):104–109, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2016:DSC

- [3427] B. Ishak. *Deep-sky Companions: The Messier Objects*, (2nd Edition), Scope: reference. Level: general readership. *Contemporary Physics*, 57(1):110–112, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milonni:2016:LFY

- [3428] Peter W. Milonni. *Lasers: the first 50 years*, Scope: review, general interest. Level: general readership, teacher, undergraduate. *Contemporary Physics*, 57(1):113–116, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Khare:2016:IFE

- [3429] Prashant Khare. *Incompressible Flow*, 4th Edition, by Ronald L. Panton, Scope: textbook. Level: advanced undergraduate, early stage postgraduate. *Contemporary Physics*, 57(1):117–118, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ogilvie:2016:DSM

- [3430] Michael C. Ogilvie. *Dynamics of the standard model*, 2nd edition, John F. Donoghue, Eugene Golowich and Barry R. Holstein, Scope: mono-

graph, reference. Level: postgraduate, early career researcher, researcher, teacher, specialist, scientist. *Contemporary Physics*, 57(1):118–120, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Keesing:2016:DCQ

- [3431] Richard Keesing. *Discrete or Continuous? The Quest for Fundamental Length in Physics*, by Amit Hagar, Scope: monograph. Level: advanced undergraduate, postgraduate. early career researcher, researcher. *Contemporary Physics*, 57(1):120–121, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2016:VMR

- [3432] Nikolaos E. Myridis. *4D visualization of matter: recent collected works of Ahmed H. Zewail, Nobel Laureate*, by Nikolaos E. Myridis, Scope: anthology (article collection). Level: academics, researchers, postgraduates and specialists in: physical chemistry, biochemistry, chemical biology, biophysics, bioengineering, imaging, structural biology, cancer research. *Contemporary Physics*, 57(1):122, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2016:TND

- [3433] K. Alan Shore. *Towards a new dimension: Exploring the Nanoscale*, by Anne Marcovich and Terry Shinn, Scope: monograph. Level: specialist. *Contemporary Physics*, 57(1):122–124, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2016:NME

- [3434] K. Alan Shore. *Nanoscale microwave engineering: Optical control of nanodevices*, by Charlotte Tripon-Canseliet and Jean Chazelas, Scope: monograph. Level: specialist. *Contemporary Physics*, 57(1):124–125, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2016:APP

- [3435] B. Ishak. *Astrophysics Processes: The Physics of Astronomical Phenomena*, by Hale Bradt, Scope: textbook. Level: postgraduate, advanced undergraduate, teacher. *Contemporary Physics*, 57(1):125–126, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2016:IGC

- [3436] B. Ishak. *An Introduction to Galaxies and Cosmology*, (2nd Edition), edited by Mark H. Jones, Robert J. A. Lambourne, and Stephen Serjeant,

Scope: textbook. Level: general readership, undergraduate. *Contemporary Physics*, 57(1):126–128, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2016:GSE

- [3437] B. Ishak. *Gravitation and Spacetime*, (3rd Edition), by Hans C. Ohanian and Remo Ruffini, Scope: textbook. Level: advanced undergraduate, postgraduate. *Contemporary Physics*, 57(1):128, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2016:ATC

- [3438] B. Ishak. *Astrophysics Through Computation: With Mathematica^(R) Support*, by Brian Koberlein and David Meisel, Scope: textbook. Level: advanced undergraduates, graduate students. *Contemporary Physics*, 57(1):129, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2016:QTC

- [3439] K. Alan Shore. *Quantum Transport Calculations for Nanosystems*, by Kenji Hirose and Nobuhiko Kobayashi, Scope: monograph. Level: specialist, researcher, early career researcher. *Contemporary Physics*, 57(1):129–130, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2016:BPH

- [3440] K. Alan Shore. *Biomedical Photonic Handbook*, (3 Volumes), edited by Tuan Vo-Dinh, Scope: handbook. Level: specialist, engineers, early career researchers. *Contemporary Physics*, 57(1):130–131, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2016:HMO

- [3441] K. Alan Shore. *History of Modern Optics and Optoelectronics Development in China*, edited by Fuxi Gan and Shouyun Tian, Scope: monograph. Level: general readership, engineers, early career researchers. *Contemporary Physics*, 57(1):131–132, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Close:2016:PAB

- [3442] Frank Close. *Particle Accelerators: From Big Bang Physics to Hadron Therapy*, by Ugo Amaldi, Scope: monograph, review, postgraduate. Level: general reader, undergraduate, postgraduate, specialist. *Contemporary Physics*, 57(1):132–134, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2016:FSS

- [3443] Manuel Vogel. *The Formation of the Solar System: Theories Old and New*, (2nd Edition), by Michael Woolfson, Scope: monograph, level: general readership. *Contemporary Physics*, 57(1):134–135, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Eberly:2016:BPT

- [3444] Lynn E. Eberly and Joseph H. Eberly. *Bayesian Probability Theory: Applications in the Physical Science*, by W. von der Linden, V. Dose and U. von Toussaint. Scope: review. Level: general readership, non-specialists. *Contemporary Physics*, 57(1):135–136, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:2016:SIS

- [3445] Nigel John Mason. *The Science of Interstellar*, Scope: general interest. Level: general reader, non specialist. *Contemporary Physics*, 57(1):136–137, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:2016:EMB

- [3446] Nigel John Mason. *Electrons in Molecules: From Basic Principles to Molecular Electronics*, by Jean Pierre Launay and Michel Verdagner, Scope: reference, textbook. Level: advanced undergraduate, postgraduate, early career researcher, researcher. *Contemporary Physics*, 57(1):137–138, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milburn:2016:QMT

- [3447] G. J. Milburn. *Quantum Measurement Theory and its Applications*, by Kurt Jacobs, Scope: textbook. Level: postgraduate, early career researcher. *Contemporary Physics*, 57(1):138, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2016:CBO

- [3448] Salvatore Esposito. *A Chorus of Bells and Other Scientific Inquiries*, by Jeremy Bernstein, Scope: article collection. Level: postgraduate, teacher, scientist. *Contemporary Physics*, 57(1):139, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2016:ISS

- [3449] Nikolaos E. Myridis. *An Introduction to Sparse Stochastic Processes*, Scope: reference. Level: postgraduate, (early career) researcher, teacher,

specialist, scientist, engineers. *Contemporary Physics*, 57(1):139–140, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2016:MMU

- [3450] A. H. Harker. *Materials Modelling using Density Functional Theory: Properties and Predictions*, by Giustino Feliciano, Scope: monograph. Level: advanced undergraduate, postgraduate, early stage researcher. *Contemporary Physics*, 57(1):140–141, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2016:SBB

- [3451] A. H. Harker. *Semiconductors: Bonds and Bands*, by David K. Ferry, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 57(1):141, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2016:PTM

- [3452] A. H. Harker. *Phase transitions in materials*, Scope: textbook. Level: advanced undergraduate; postgraduate, early stage researcher. *Contemporary Physics*, 57(1):141–142, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Joseph:2016:UFG

- [3453] Robert D. Joseph. *The Universal Force: Gravity — Creator of Worlds*, Scope: monograph. Level: general reader. *Contemporary Physics*, 57(1):142, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2016:MOR

- [3454] Peter V. E. McClintock. *Mid-Ocean Ridges*, Scope: monograph. Level: undergraduates, graduate students, interdisciplinary researchers. *Contemporary Physics*, 57(1):143, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2016:UCU

- [3455] B. Ishak. *Unseen Cosmos: The Universe in Radio*, Scope: reference, general interest. Level: general readership. *Contemporary Physics*, 57(1):143–144, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2016:LSH

- [3456] B. Ishak. *Living with the Stars: how the human body is connected to the life cycles of the Earth, the Planets, and the Stars*, Scope: general interest. Level: general readership. *Contemporary Physics*, 57(1):144, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2016:EVB

- [3457] Peter V. E. McClintock. *Essentials of in vivo Biomedical Imaging*, edited by Simon R. Cherry, Ramsey D. Badawi and Jinyi Qi, Scope: edited book. Level: postgraduates, research scientists. *Contemporary Physics*, 57(1):144–145, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Belsley:2016:EDP

- [3458] Michael Belsley. *Experiments and Demonstrations in Physics Bar-Ilan Physics Laboratory* (second edition), Scope: guide or manual. Level: undergraduate. *Contemporary Physics*, 57(1):145–146, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2016:WWN

- [3459] B. Ishak. *Why we need nuclear power: the environmental case*, Michael H. Fox, New York, NY, Oxford University Press, 2014, 320 pp., £22.99 (Hardback), ISBN 978-0-199-34457-4. Scope: general interest. Level: general readership. *Contemporary Physics*, 57(1):146–147, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2016:SSM

- [3460] Peter V. E. McClintock. *Superfluid States of Matter*, by Boris Egor Nikolay Svistunov, Egor Nikolay Babaev and Nikolay Prokof'ev, Scope: monograph. Level: postgraduates, research scientists. *Contemporary Physics*, 57(1):147, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2016:RSG

- [3461] Eric Sheldon. *Relativity: The Special and the General Theory*, 100th Anniversary Edition, by Albert Einstein, Scope: general interest, edited book. Level: general readership, non-specialists, pre-university, undergraduate, advanced undergraduate, postgraduate, early career researcher, researcher, teacher, specialist, scientist. *Contemporary Physics*, 57(1):147–149, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2016:BPP

- [3462] Peter J. Bussey. *The beauty of physics: patterns, principles and perspectives*, Scope: general interest. Level: general reader. *Contemporary Physics*, 57(1):149, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zhou:2016:RPS

- [3463] Hai-Jun Zhou. The rock–paper–scissors game. *Contemporary Physics*, 57(2):151–163, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Burrage:2016:UAI

- [3464] Clare Burrage and Edmund J. Copeland. Using atom interferometry to detect dark energy. *Contemporary Physics*, 57(2):164–176, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Quigg:2016:PPA

- [3465] Chris Quigg. Particle physics after the Higgs boson discovery: opportunities for the Large Hadron Collider. *Contemporary Physics*, 57(2):177–187, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nakao:2016:PRA

- [3466] Hiroya Nakao. Phase reduction approach to synchronisation of nonlinear oscillators. *Contemporary Physics*, 57(2):188–214, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Schippers:2016:PIS

- [3467] Stefan Schippers, A. L. David Kilcoyne, Ronald A. Phaneuf, and Alfred Müller. Photoionisation of ions with synchrotron radiation: from ions in space to atoms in cages. *Contemporary Physics*, 57(2):215–229, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anel:2016:SHF

- [3468] Juan A. Añel. The stratosphere: history and future a century after its discovery: A review of *The Physics of the Stratosphere*, by Goody. *Contemporary Physics*, 57(2):230–233, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lawrie:2016:EMQ

- [3469] Ian D. Lawrie. The emergent multiverse — quantum theory according to the Everett interpretation: A review of *The Emergent Multiverse* —

Quantum Theory According to the Everett Interpretation, by David Wallace. *Contemporary Physics*, 57(2):234–237, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Athorne:2016:FPC

- [3470] Chris Athorne. Fundamental principles of classical mechanics: a geometrical perspective: A review of *Fundamental Principles of Classical Mechanics: A Geometrical Perspective*, by Kai S. Lam. *Contemporary Physics*, 57(2):238–241, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2016:MDR

- [3471] Miguel A. F. Sanjuán. Modern dynamics: A review of *Introduction to Modern Dynamics: Chaos, Networks, Space and Time* by David D. Nolte. *Contemporary Physics*, 57(2):242–245, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2016:SAS

- [3472] Stephen J. Blundell. The science and art of seeing: A review of *The Starry Sky Within: Astronomy and the Reach of the Mind in Victorian Literature*, by Anna Henchman. *Contemporary Physics*, 57(2):246–249, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2016:AER

- [3473] Eric Sheldon. Albert Einstein’s relativistic road ‘less traveled’: A review *The road to relativity: the history and meaning of Einstein’s ‘The Foundation of General Relativity’*, by Albert Einstein (Facsimile German Manuscript) and foreword by John Stachel, with annotations and commentary by Hanoch Gutfreund and Jürgen Renn. *Contemporary Physics*, 57(2):250–254, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2016:SVN

- [3474] Manuel Vogel. *Superconductors*, by A. V. Narlikar. Scope: monograph. level: postgraduates, researcher, scientist, engineers. *Contemporary Physics*, 57(2):255, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2016:MLS

- [3475] Manuel Vogel. *Masers and lasers, second edition: an historical approach*, by Mario Bertolotti. Scope: monograph. level: advanced undergraduate,

postgraduate, researcher. *Contemporary Physics*, 57(2):255–256, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2016:BRS

- [3476] Miguel A. F. Sanjuán. Book review: *Simulations of oscillatory systems: with award-winning software, physics of oscillations*, edited by Eugene I. Butikov. Scope: textbook. Level: undergraduate, advanced undergraduate, postgraduate, early career researcher, researcher. *Contemporary Physics*, 57(2):256–257, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2016:SCS

- [3477] B. Ishak. *The story of collapsing stars: black holes, naked singularities, and the cosmic play of quantum gravity*, by Pankaj S. Joshi. Scope: general interest. level: specialist. *Contemporary Physics*, 57(2):257, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2016:AGO

- [3478] B. Ishak. *An amateur's guide to observing and imaging the heavens*, by Ian Morrison. Scope: guidebook. level: general readership. *Contemporary Physics*, 57(2):258, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2016:DEG

- [3479] B. Ishak. *Dynamics and evolution of galactic nuclei*, by David Merritt. Scope: textbook. level: specialist. *Contemporary Physics*, 57(2):258, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2016:DMB

- [3480] David Bailin. *Differential manifolds: a basic approach for experimental physicists*, by Paul Baillon. Scope: textbook. level: postgraduate. *Contemporary Physics*, 57(2):259, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2016:HSP

- [3481] K. Alan Shore. *Handbook of silicon photonics*, edited by Laurent Vivien and Lorenzo Pavesi. Scope: handbook, monograph, reference. level: researchers, early career researchers, engineers. *Contemporary Physics*, 57(2):260–261, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2016:DQD

- [3482] K. Alan Shore. *Dynamics of quantum dot lasers: effects of optical feedback and external optical injection*, by Christian Otto. Scope: monograph. level: advanced undergraduate, postgraduate, early career researchers, researchers, specialist, engineers. *Contemporary Physics*, 57(2):261–262, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2016:NMP

- [3483] K. Alan Shore. *Numerical methods in photonics*, by Andrei V. Lavrinenko, Jesper Laegsgaard, Niles Gregersen, Frank Schmidt, and Thomas Sondergaard. Scope: textbook, monograph. level: researchers, engineers, early career researchers, advanced undergraduates. *Contemporary Physics*, 57(2):262, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2016:HAP

- [3484] Manuel Vogel. *Handbook of accelerator physics and engineering*, by A. W. Chao, K. H. Mess, M. Tigner and F. Zimmermann. Scope: reference, handbook. level: researcher, specialist, scientist, engineers. *Contemporary Physics*, 57(2):263, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2016:TCP

- [3485] Stephen J. Blundell. *Tensor calculus for physics*, by Dwight E. Neuenchwander. Scope: textbook. level: undergraduate, advanced undergraduate, postgraduate. *Contemporary Physics*, 57(2):263–264, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2016:SPT

- [3486] Nikolaos E. Myridis. *Stochastic processes: theory for applications*, by Robert G. Gallager. Scope: handbook. level: undergraduate, researcher, teacher. *Contemporary Physics*, 57(2):264–265, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2016:PBM

- [3487] Peter V. E. McClintock. *Physics and biology: from molecules to life*, edited by Jean François Allemand and Pierre Desbiolles. Scope: edited book. level: general physicists, undergraduates, postgraduates. *Contemporary Physics*, 57(2):265, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2016:LCN

- [3488] Peter J. Dobson. *A laboratory course in nanoscience and nanotechnology*, by Dr Gerrard Eddy Jai Poinern. Scope: manual, textbook. level: general readership, undergraduate, advanced undergraduate, postgraduate, teacher, scientist, engineer. *Contemporary Physics*, 57(2):266, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2016:ISD

- [3489] Miguel A. F. Sanjuán. *An introduction to stochastic dynamics*, by Jinqiao Duan. Scope: textbook. level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 57(2):266–267, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Riley:2016:HPB

- [3490] N. Riley. *Henri Poincaré: a biography through the daily papers*, by Jean-Marc Ginoux and Christian Gerini. Scope: monograph. level: postgraduate. *Contemporary Physics*, 57(2):267–268, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2016:LNF

- [3491] Stephen J. Blundell. *Lecture notes on field theory in condensed matter physics*, by Christopher Mudry. Scope: textbook. level: graduate. *Contemporary Physics*, 57(2):268, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lancaster:2016:PYF

- [3492] Tom Lancaster. *Physics on your feet: Berkeley graduate exam questions*, by Dmitry Budker and Alexander O. Sushkov. Scope: textbook. level: advanced undergraduate to specialist (advanced undergraduate, postgraduate, early career researcher, researcher, teacher, specialist). *Contemporary Physics*, 57(2):269, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2016:IQM

- [3493] Peter J. Dobson. *Introductory Quantum Mechanics for Applied Nanotechnology*, by Dae Mann Kim. Scope: textbook. level: undergraduate and postgraduate. *Contemporary Physics*, 57(2):269–270, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2016:BCD

- [3494] A. H. Harker. *The basics of crystallography and diffraction*, (Fourth Edition), by Christopher Hammond. Scope: textbook. level: undergrad-

uate, postgraduate, early stage researcher. *Contemporary Physics*, 57(2):270, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2016:TKM

- [3495] Manuel Vogel. *Thermodynamics, kinetics, and microphysics of clouds*, by V. I. Khvorostyanov and J. A. Curry. Scope: monograph. level: advanced undergraduate, postgraduate, early career researcher, researcher. *Contemporary Physics*, 57(2):271, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2016:BPO

- [3496] A. H. Harker. *Bioinspired photonics: optical structures and systems inspired by nature*, by Viktoria Greanya. Scope: guide. level: non-specialists, undergraduates, postgraduates. *Contemporary Physics*, 57(2):271–272, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Licata:2016:QFH

- [3497] Ignazio Licata. *Quantum fractals: from Heisenberg's uncertainty to Barnsley's fractality*, by Arkadiusz Jadczyk. Scope: monograph. level: postgraduate, researcher. *Contemporary Physics*, 57(2):272–274, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2016:GGD

- [3498] David Bailin. *Gauge/gravity duality: foundations and applications*, by Martin Ammon and Johanna Erdmenger. Scope: textbook. level: postgraduate. *Contemporary Physics*, 57(2):274–275, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2016:CTO

- [3499] Peter J. Dobson. *The current trends of optics and photonics*, edited by Cheng-Chung Lee. Scope: monograph. level: postgraduate; early career researcher; researcher; scientist; engineer. *Contemporary Physics*, 57(2):275, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2016:PHE

- [3500] Thomas Peters. *Physical hydrodynamics*, by Etienne Guyon, Jean-Pierre Hulin, Luc Petit, and Catalin D Mitescu. Scope: textbook. level: undergraduate. *Contemporary Physics*, 57(2):276, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2016:ECG

- [3501] A. H. Harker. *Electrical conduction in graphene and nanotubes*, by Shigeji Fujita and Akira Suzuki. Scope: textbook. level: postgraduate; early career researcher. *Contemporary Physics*, 57(2):276–277, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2016:HSG

- [3502] Salvatore Esposito. *Higher speculations: grand theories and failed revolutions in physics and cosmology*, by Helge Kragh. Scope: monograph. level: general readership, researcher, specialist, scientist. *Contemporary Physics*, 57(2):277–278, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2016:TNE

- [3503] K. Alan Shore. *Telecommunication network economics: from theory to applications*, by Patrick Maillé and Bruno Tuffin. Scope: monograph. level: specialist, economists, engineers, early career researchers. *Contemporary Physics*, 57(2):278–279, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2016:SCS

- [3504] K. Alan Shore. *Soliton coding for secured optical communication link*, by Iraj Sadegh Amiri, Sayed Ehsan Alavi and Sevia Mahdaliza Idrus. Scope: monograph. level: specialist, engineers, early career researchers. *Contemporary Physics*, 57(2):279–280, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2016:OHS

- [3505] K. Alan Shore. *The Oxford handbook of soft condensed matter*, edited by Eugene M. Terentjev and David A. Weitz. Scope: handbook. level: specialist, physicists, engineers. *Contemporary Physics*, 57(2):280–281, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Belsley:2016:USQ

- [3506] Michael Belsley. *Ultrafast spectroscopy: quantum information and wavepackets*, by Joel Yuen-Zhou, Jacob J. Krich, Ivan Kassal, Allan S. Johnson and Alán Aspuru-Guzik. Scope: monograph. level: postgraduate, early career researcher, researcher, specialist. *Contemporary Physics*, 57(2):281–282, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cowan:2016:ISP

- [3507] Brian Cowan. *Introduction to statistical physics*, by João Paulo Casquilho and Paulo Ivo Cortez Teixeira. Scope: textbook. level: undergraduate, advanced undergraduate. *Contemporary Physics*, 57(2):282, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stewart:2016:GRG

- [3508] John M. Stewart. *General relativity and gravitation: a centennial perspective*, by Abhay Ashtekar, Beverly K. Berger, James Isenberg, Malcolm MacCallum. Scope: monograph. level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 57(2):282–283, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barnett:2016:GTP

- [3509] Stephen M. Barnett. *Gauge theories in particle physics: a practical introduction*, fourth edition — 2 volume set, by Ian J. R. Aitchison and Anthony J. G. Hey. Scope: textbook. level: advanced undergraduate or postgraduate. *Contemporary Physics*, 57(2):283–284, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Leggett:2016:NIL

- [3510] Anthony J. Leggett. *Neutron interferometry: lessons in experimental quantum mechanics, wave-particle duality, and entanglement* (2nd edition), by Helmut Rauch and Samuel A. Werner. Scope: monograph. level: researcher. *Contemporary Physics*, 57(2):284–285, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McOrist:2016:SFT

- [3511] Jock McOrist. *Supersymmetric field theories*, by Sergio Cecotti. Scope: review. level: postgraduate student, early career researcher, researcher. *Contemporary Physics*, 57(2):285–286, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Knight:2016:PBJ

- [3512] Peter Knight. Professor Bob Joseph. *Contemporary Physics*, 57(3):287–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hollowood:2016:CQM

- [3513] Timothy J. Hollowood. Copenhagen quantum mechanics. *Contemporary Physics*, 57(3):289–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ford:2016:MDM

- [3514] Ian J. Ford. Maxwell's demon and the management of ignorance in stochastic thermodynamics. *Contemporary Physics*, 57(3):309–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Genoni:2016:CUG

- [3515] Marco G. Genoni, Ludovico Lami, and Alessio Serafini. Conditional and unconditional Gaussian quantum dynamics. *Contemporary Physics*, 57(3):331–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gavai:2016:QCP

- [3516] Rajiv V. Gavai. The QCD critical point: an exciting odyssey in the femto-world. *Contemporary Physics*, 57(3):350–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jain:2016:APQ

- [3517] Nitin Jain, Birgit Stiller, Imran Khan, Dominique Elser, Christoph Marquardt, and Gerd Leuchs. Attacks on practical quantum key distribution systems (and how to prevent them). *Contemporary Physics*, 57(3):366–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dalmonte:2016:LGT

- [3518] M. Dalmonte and S. Montangero. Lattice gauge theory simulations in the quantum information era. *Contemporary Physics*, 57(3):388–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wang:2016:BRI

- [3519] Chih-Yueh Wang. Book review: *Ideal MHD*, by Jeffrey P. Freidberg. *Contemporary Physics*, 57(3):413–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anel:2016:ERA

- [3520] Juan A. Anel. Essay review: Atmospheric ozone: historical background and state-of-the-art: a review of *Ozone in the atmosphere: basic principles, natural and human impacts*, by P. Fabian and M. Dameris. *Contemporary Physics*, 57(3):417–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Quenby:2016:ERG

- [3521] John Quenby. Essay review: *God and the multiverse* by Victor J. Stenger. *Contemporary Physics*, 57(3):421–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2016:ERQ

- [3522] Mario Bertolotti. Essay review: *Quantum optics*, by John Garrison and Raymond Chiao. *Contemporary Physics*, 57(3):426–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2016:ERW

- [3523] David Bailin. Essay review: *Why string theory?* by Joseph Conlon. *Contemporary Physics*, 57(3):433–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dombey:2016:ERB

- [3524] Norman Dombey. Essay review: *Building the H Bomb: a personal history*, by Kenneth W Ford. *Contemporary Physics*, 57(3):439–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McOrist:2016:BRS

- [3525] Jock McOrist. Book review: *Science unshackled: how obscure, abstract, seemingly useless scientific research turned out to be the basis for modern life*, by C. Renee James. *Contemporary Physics*, 57(3):443–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salama:2016:BRP

- [3526] Amgad Salama. Book review: *The principles of thermodynamics*, by N. D. Hari Dass. *Contemporary Physics*, 57(3):443–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nikolopoulos:2016:BRP

- [3527] L. A. A. Nikolopoulos. Book review: *Path integrals and Hamiltonians: principles and methods* by Belal E. Baaquie. *Contemporary Physics*, 57(3):444–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2016:BRPa

- [3528] R. S. Shorter. Book review: *The physics companion*, 2nd edition, by Anthony C. Fischer-Cripps. *Contemporary Physics*, 57(3):445–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2016:BRPb

- [3529] Richard Sebastian Shorter. Book review: *Physics project lab*, by Paul Gluck and John King. *Contemporary Physics*, 57(3):445–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Downing:2016:BRP

- [3530] Charles Downing. Book review: *Plasmonic effects in metal-semiconductor nanostructures*, by Alexey A. Toropov and Tatiana V. Shubina. *Contemporary Physics*, 57(3):446–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2016:BRL

- [3531] Nikolaos E. Myridis. Book review: *Laser measurement technology: fundamentals and applications*, by Axel Donges and Reinhard Noll. *Contemporary Physics*, 57(3):446–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nicol:2016:BRK

- [3532] Mark Nicol. Book review: *Kepler and the universe: how one man revolutionized astronomy*, by David K. Love. *Contemporary Physics*, 57(3):447–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nicol:2016:BRA

- [3533] Mark Nicol. Book review: *Astrophysics and the evolution of the universe*, by Leonard S. Kisslinger. *Contemporary Physics*, 57(3):448–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2016:BRS

- [3534] K. Alan Shore. Book review: *Small scale optics*, by Preecha Yupapin and Jalil Ali. *Contemporary Physics*, 57(3):449–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2016:BRPa

- [3535] Manuel Vogel. Book review: *Properties of materials*, by P. F. Kelly. *Contemporary Physics*, 57(3):449–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2016:BRP

- [3536] K. Alan Shore. Book review: *Principles of optics for engineers*, by William S. C. Chang. *Contemporary Physics*, 57(3):450–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2016:BRNa

- [3537] K. Alan Shore. Book review: *Nonlinear super-resolution nano-optics and applications*, by Jingsong Wei. *Contemporary Physics*, 57(3):451–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Davidson:2016:BRR

- [3538] Mark Davidson. Book review: *Relativistic quantum mechanics*, by Lawrence P. Horwitz. *Contemporary Physics*, 57(3):452–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2016:BRQ

- [3539] Stephen J. Blundell. Book review: *Quantum phase transitions in transverse field spin models*, by Amit Dutta, Gabriel Aeppli, Bikas K. Chakrabarti, Uma Divakaran, Thomas F. Rosenbaum and Diptiman Sen. *Contemporary Physics*, 57(3):453–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lancaster:2016:BRM

- [3540] Tom Lancaster. Book review: *Many-body physics, topology and geometry*, by Siddhartha Sen and Kumar Sankar Gupta. *Contemporary Physics*, 57(3):454–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barber:2016:BRE

- [3541] D. C. Barber. Book review: *Essential MATLAB and Octave*, by Jesus Rogel-Salazar. *Contemporary Physics*, 57(3):455–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2016:BRD

- [3542] Manuel Vogel. Book review: *Dark energy*, by Miao Li, Xiao-Dong Li, Shuang Wang and Yi Wang. *Contemporary Physics*, 57(3):455–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2016:BRW

- [3543] Miguel A. F. Sanjuán. Book review: *Waves and oscillations in nature. An introduction*, by A. Satya Narayanan and Swapan K. Saha. *Contemporary Physics*, 57(3):456–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Collier:2016:BRE

- [3544] Thomas Collier. Book review: *Elastic and plastic deformation of carbon nanotubes*, by Hiroyuki Shima and Motohiro Sato. *Contemporary Physics*, 57(3):457–??, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Proctor:2016:HQC

- [3545] Timothy J. Proctor and Viv Kendon. Hybrid quantum computing with ancillas. *Contemporary Physics*, 57(4):459–476, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Plato:2016:GEQ

- [3546] A. D. K. Plato, C. N. Hughes, and M. S. Kim. Gravitational effects in quantum mechanics. *Contemporary Physics*, 57(4):477–495, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gaskins:2016:RIS

- [3547] Jennifer M. Gaskins. A review of indirect searches for particle dark matter. *Contemporary Physics*, 57(4):496–525, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kok:2016:PQI

- [3548] Pieter Kok. Photonic quantum information processing. *Contemporary Physics*, 57(4):526–544, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vinjanampathy:2016:QT

- [3549] Sai Vinjanampathy and Janet Anders. Quantum thermodynamics. *Contemporary Physics*, 57(4):545–579, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fattahi:2016:SCL

- [3550] Hanieh Fattahi. Sub-cycle light transients for attosecond, X-ray, four-dimensional imaging. *Contemporary Physics*, 57(4):580–595, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2016:BRB

- [3551] Derry W. Jones. Book review: *Birds and frogs: selected papers, 1990–2014*, by Freeman J. Dyson. *Contemporary Physics*, 57(4):596–598, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2016:BRE

- [3552] B. Ishak. Book review: *Essential dynamics & relativity*, by Peter J. O'Donnell. *Contemporary Physics*, 57(4):599–601, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2016:BRI

- [3553] B. Ishak. Book review: *An introduction to the sun and stars*, 2nd Edition, by Simon F. Green and Mark H. Jones (eds.). *Contemporary Physics*, 57(4):602–604, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Collier:2016:BRD

- [3554] Thomas Collier. Book review: *Differentiability and fractality in dynamics of physical systems*, by Ioan Merches and Maricel Agop. *Contemporary Physics*, 57(4):605, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2016:BRE

- [3555] R. S. Shorter. Book review: *Experimental optics: a manual for the laboratory*, by G. F. C. Searle. *Contemporary Physics*, 57(4):605–606, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2016:BRPb

- [3556] Manuel Vogel. Book review: *Plasma physics: an introduction*, by Richard Fitzpatrick. *Contemporary Physics*, 57(4):606, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2016:BRS

- [3557] A. H. Harker. Book review: *Statistical mechanics and applications in condensed matter*, by Carlo Di Castro and Roberto Raimondi. *Contemporary Physics*, 57(4):606–607, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2016:BRP

- [3558] Andrew Resnick. Book review: *Photons in Fock space and beyond* (3 volumes), by Reinhard Honegger and Alfred Rieckers. *Contemporary Physics*, 57(4):607–608, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barber:2016:BRT

- [3559] D. C. Barber. Book review: *Theoretical foundations of digital imaging using Matlab*, by Leonid P. Yaroslavsky. *Contemporary Physics*, 57(4):

608–609, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2016:BRS

- [3560] David Bailin. Book review: *De Sitter invariant special relativity*, by Mu-Lin Yan. *Contemporary Physics*, 57(4):609–610, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2016:BRL

- [3561] A. H. Harker. Book review: *Lectures on quantum mechanics* (2nd edition), by Steven Weinberg. *Contemporary Physics*, 57(4):610, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2016:BRF

- [3562] Nikolaos E. Myridis. Book review: *Foundations of linear and generalized linear models*, by Alan Agresti. *Contemporary Physics*, 57(4):610–611, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

MacKay:2016:BRT

- [3563] Robert S. MacKay. Book review: *Thermodynamics kept simple — a molecular approach: what is the driving force in the world of molecules?*, by Roland Kjellander. *Contemporary Physics*, 57(4):611–613, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2016:BRT

- [3564] B. Ishak. Book review: *Terahertz astronomy*, by Christopher K. Walker. *Contemporary Physics*, 57(4):613–614, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2016:BRQa

- [3565] K. Alan Shore. Book review: *Quantitative biomedical optics*, by Irving J. Bigio and Sergio Fantini. *Contemporary Physics*, 57(4):614–615, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2016:BRNb

- [3566] K. Alan Shore. Book review: *Nonlinear resonances*, by S. Rajasekar and M. A. F. Sanjuan. *Contemporary Physics*, 57(4):615–616, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2016:BRQb

- [3567] K. Alan Shore. Book review: *Quantum optomechanics*, by W. P. Bowen and G. J. Milburn. *Contemporary Physics*, 57(4):616–617, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2016:BRL

- [3568] Manuel Vogel. Book review: *Laser physics: from principles to practical work in the lab*, by Marc Eichhorn. *Contemporary Physics*, 57(4):617, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2016:EB

- [3569] Anonymous. Editorial Board. *Contemporary Physics*, 57(4):ebi, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fairbairn:2017:MNL

- [3570] Malcolm Fairbairn and James L. Pinfold. MoEDAL — a new light on the high-energy frontier. *Contemporary Physics*, 58(1):1–24, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Oi:2017:NQS

- [3571] Daniel K. L. Oi, Alex Ling, James A. Grieve, Thomas Jennewein, Aline N. Dinkelaker, and Markus Krutzik. Nanosatellites for quantum science and technology. *Contemporary Physics*, 58(1):25–52, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Residori:2017:RWU

- [3572] S. Residori, M. Onorato, U. Bortolozzo, and F. T. Arecchi. Rogue waves: a unique approach to multidisciplinary physics. *Contemporary Physics*, 58(1):53–69, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gorban:2017:BNS

- [3573] A. N. Gorban and I. V. Karlin. Beyond Navier–Stokes equations: capillarity of ideal gas. *Contemporary Physics*, 58(1):70–90, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2017:BRDa

- [3574] David Bailin. Book review: *Dear Professor Dyson*, edited by Dwight E. Neuenschwander. *Contemporary Physics*, 58(1):91–92, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2017:BRG

- [3575] K. Alan Shore. Book review: *Goethe's 'Exposure of Newton's Theory': a polemic on Newton's theory of light and colour*, translated by Michael Duck and Michael Petry. *Contemporary Physics*, 58(1):93–95, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2017:BR1a

- [3576] B. Ishak. Book review: *Introduction to black hole physics*, by Valeri P. Frolov and Andrei Zelnikov. *Contemporary Physics*, 58(1):96–98, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2017:BR5a

- [3577] B. Ishak. Book review: *Statistics, data mining, and machine learning in astronomy: a practical Python guide for the analysis of survey data*, by Zeljko Ivezić, Andrew J. Connolly, Jacob T. VanderPlas and Alexander Gray. *Contemporary Physics*, 58(1):99, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2017:BRC

- [3578] Peter V. E. McClintock. Book review: *Controlled thermonuclear fusion*, by Jean Louis Bobin. *Contemporary Physics*, 58(1):100, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2017:BRN

- [3579] Peter J. Bussey. Book review: *The new cosmos*, by David J. Eicher. *Contemporary Physics*, 58(1):100–101, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2017:BRF

- [3580] Stephen J. Blundell. Book review: *Fundamentals of thermoelectricity*, by Kamran Behnia. *Contemporary Physics*, 58(1):101–102, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2017:BRL

- [3581] Manuel Vogel. Book review: *Light sources, second edition: basics of lighting technologies and applications*, by Spyridon Kitsinelis. *Contemporary Physics*, 58(1):102, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2017:BRF

- [3582] Andrew Resnick. Book review: *Fourier optics and computational imaging*, by Kedar Khare. *Contemporary Physics*, 58(1):102–103, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2017:BRI

- [3583] David Bailin. Book review: *Inflation and string theory*, by Daniel Baumann and Liam McAllister. *Contemporary Physics*, 58(1):103–105, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2017:BRB

- [3584] Andrew Resnick. Book review: *Brownian ratchets: from statistical physics to bio and nano-motors*, by David Cubero and Ferruccio Renzoni. *Contemporary Physics*, 58(1):105, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Clayton:2017:BRP

- [3585] John D. Clayton. Book review: *Principles of physics: from quantum field theory to classical mechanics*, by Jun Ni. *Contemporary Physics*, 58(1):105–106, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2017:BRSa

- [3586] Manuel Vogel. Book review: *Stellar explosions: hydrodynamics and nucleosynthesis*, by Jordi Jose. *Contemporary Physics*, 58(1):106–107, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2017:BRFa

- [3587] Peter V. E. McClintock. Book review: *The foundations of physical law*, by Peter Rowlands. *Contemporary Physics*, 58(1):107–108, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2017:BRGa

- [3588] B. Ishak. Book review: *Geodynamics* (3rd Edition), by Donald L. Turcotte. *Contemporary Physics*, 58(1):108, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2017:BRQ

- [3589] Nikolaos E. Myridis. Book review: *Quantum models of cognition and decision*, by Jerome R. Busemeyer and Peter D. Bruza. *Contemporary Physics*, 58(1):109, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Whyntie:2017:BRNa

- [3590] Tom Whyntie. Book review: *Next generation experiments to measure the neutron lifetime*, edited by Susan J. Seestrom. *Contemporary Physics*, 58(1):109–110, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Downing:2017:BRI

- [3591] Charles Downing. Book review: *Introduction to the statistical physics of integrable many-body systems*, by Ladislav Samaj & Zoltán Bajnok. *Contemporary Physics*, 58(1):110–111, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lawrie:2017:BRI

- [3592] Ian D. Lawrie. Book review: *Introduction to the AdS/CFT correspondence*, by H. Năstase. *Contemporary Physics*, 58(1):111–112, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Whyntie:2017:BRNb

- [3593] Tom Whyntie. Book review: *New results and actual problems in particle & astroparticle physics and cosmology: Proceedings of XXIXth International Workshop on High Energy Physics*, edited by R. Ryutin, V. Petrov, and V. Kiselev. *Contemporary Physics*, 58(1):112, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Whyntie:2017:BRH

- [3594] Tom Whyntie. Book review: *The High Luminosity Large Hadron Collider: the new machine for illuminating the mysteries of Universe*, edited by O. Brüning & L. Rossi. *Contemporary Physics*, 58(1):112–113, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2017:BRMa

- [3595] K. Alan Shore. Book review: *Mathematical methods for geophysics and space physics*, by William I. Newman. *Contemporary Physics*, 58(1):113–114, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2017:BRR

- [3596] K. Alan Shore. Book review: *Research on the physics of cancer*, edited by Bernard S. Gertsman. *Contemporary Physics*, 58(1):114–115, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2017:BRO

- [3597] Peter V. E. McClintock. Book review: *The origin and nature of life on earth: the emergence of the fourth geosphere*, by Eric Smith and Harold J. Morowitz. *Contemporary Physics*, 58(1):115–116, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2017:BRaA

- [3598] Manuel Vogel. Book review: *Atoms and molecules interacting with light*, by Peter van der Straten and Harold Metcalf. *Contemporary Physics*, 58(1):116, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Clayton:2017:BRC

- [3599] John D. Clayton. Book review: *Crystallography: a very short introduction*, by A. M. Glazer. *Contemporary Physics*, 58(1):117, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Yin:2017:BQM

- [3600] Zhang qi Yin and Tongcang Li. Bringing quantum mechanics to life: from Schrödinger's cat to Schrödinger's microbe. *Contemporary Physics*, 58(2):119–139, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Munro:2017:CXR

- [3601] P. R. T. Munro. Coherent X-ray imaging across length scales. *Contemporary Physics*, 58(2):140–159, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barger:2017:HSF

- [3602] A. J. Barger. The history of star formation in the universe. *Contemporary Physics*, 58(2):160–175, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2017:PCN

- [3603] Miguel A. F. Sanjuán. Physics of cancer: the new adventure of physicists against cancer. *Contemporary Physics*, 58(2):176–178, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Riley:2017:BRF

- [3604] Norman Riley. Book review: *Fluid dynamics*, by Peter S. Bernard. *Contemporary Physics*, 58(2):179, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Torok:2017:BRC

- [3605] Peter Török. Book review: *A course in lens design*, by Chris Velzel. *Contemporary Physics*, 58(2):179–180, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2017:BRBa

- [3606] Manuel Vogel. Book review: *Biophysics of DNA*, by Alexander Vologodskii. *Contemporary Physics*, 58(2):180–181, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2017:BRH

- [3607] Andrew Resnick. Book review: *Handbook of granular materials*, edited by Scott V. Franklin and Mark D. Shattuck. *Contemporary Physics*, 58(2):181, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2017:BRFb

- [3608] Peter V. E. McClintock. Book review: *Fundamentals of fluorescence microscopy: exploring life with light*, by Partha Pratim Mondal and Alberto Diaspro. *Contemporary Physics*, 58(2):181–182, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2017:BRP

- [3609] Peter J. Bussey. Book review: *From photons to Higgs: a story of light* (2nd edition), by Moo-Young Han. *Contemporary Physics*, 58(2):182–183, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2017:BRMb

- [3610] K. Alan Shore. Book review: *Microphysics of atmospheric phenomena*, by Boris M. Smirnov. *Contemporary Physics*, 58(2):183, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2017:BRTa

- [3611] K. Alan Shore. Book review: *Tunable micro-optics*, edited by Hans Zappe and Claudia Duppe. *Contemporary Physics*, 58(2):183–184, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2017:BRMc

- [3612] K. Alan Shore. Book review: *Maxwell's enduring legacy: a scientific history of the Cavendish laboratory*, by Malcolm Longair. *Contempo-*

rary Physics, 58(2):184–186, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ryder:2017:BRP

- [3613] Lewis Ryder. Book review: *Particle physics in the LHC era*, by G. Barr, R. Devenish, R. Walczak and T. Weidberg. *Contemporary Physics*, 58(2):186, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Medel-Vera:2017:BRS

- [3614] Carlos Medel-Vera. Book review: *Seismic amplitude: an interpreter's handbook*, by Rob Simm and Mike Bacon. *Contemporary Physics*, 58(2):186–187, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2017:BR Ea

- [3615] Manuel Vogel. Book review: *Eyes on the sky: a spectrum of telescopes*, by Francis Graham-Smith. *Contemporary Physics*, 58(2):187–188, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2017:BRP

- [3616] A. H. Harker. Book review: *The physics of solids*, by J. B. Ketterson. *Contemporary Physics*, 58(2):188, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2017:BRF

- [3617] A. H. Harker. Book review: *Fundamentals and applications of magnetic materials*, by Kannan M. Krishnan. *Contemporary Physics*, 58(2):188–189, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Appleby:2017:BRC

- [3618] Robert Appleby. Book review: *Challenges and goals for accelerators in the xxi century*, edited by Oliver Bruning and Stephen Myers. *Contemporary Physics*, 58(2):189–190, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2017:BRN

- [3619] Mario Bertolotti. Book review: *Nonlinear optics: principles and applications*, by Karsten Rottwitt and Peter Tidemand-Lichtenberg. *Contemporary Physics*, 58(2):190, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Frs:2017:BRE

- [3620] Robert Sinclair Mackay (Frs). Book review: *The expanding universe: a primer on relativistic cosmology*, by W. D. Heacox. *Contemporary Physics*, 58(2):190–193, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2017:BRAb

- [3621] Manuel Vogel. Book review: *Astrophysics in a nutshell* (2nd edition), by Dan Maoz. *Contemporary Physics*, 58(2):193, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Al-Tabbakh:2017:BRM

- [3622] Ahmed A. Al-Tabbakh. Book review: *Microscopy: a very short introduction*, by Terence Allen. *Contemporary Physics*, 58(2):193–196, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lakshminarayanan:2017:BRV

- [3623] Vasudevan Lakshminarayanan. Book review: *Visible and invisible — the wonders of light phenomena*, by Olmes Bisi. *Contemporary Physics*, 58(2):196, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2017:BRCa

- [3624] Manuel Vogel. Book review: *Colour: how we see it and how we use it*, by Michael Mark Woolfson. *Contemporary Physics*, 58(2):197, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2017:BRG

- [3625] Stephen J. Blundell. Book review: *Group theory in a nutshell for physicists*, by A. Zee. *Contemporary Physics*, 58(2):197–198, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gururajan:2017:BRH

- [3626] M. P. Gururajan. Book review: *Handbook of crystal growth, 2nd edition: Fundamentals IA: thermodynamics and kinetics & Fundamentals IB: transport and stability* (two book set), edited by T. Nishinaga. *Contemporary Physics*, 58(2):198, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2017:BRsb

- [3627] B. Ishak. Book review: *Space physics: an introduction*, by C. T. Russell, J. G. Luhmann and R. J. Strangeway. *Contemporary Physics*, 58

(2):199, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2017:BRI

- [3628] Peter J. Dobson. Book review: *An introduction to graphene plasmonics*, by P. A. D. Gonçalves and N. M. R. Peres. *Contemporary Physics*, 58(2):199–200, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2017:BRN

- [3629] Peter J. Dobson. Book review: *Novel optical nanoprobes for chemical and biological analysis*, by L. Chen, Y. Wang, X. Fu, and L. Chen. *Contemporary Physics*, 58(2):200, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2017:BRB

- [3630] B. Ishak. Book review: *Biomagnetics: principles and applications of biomagnetic stimulation and imaging*, edited by Shoogo Ueno and Masaki Sekino. *Contemporary Physics*, 58(2):200–201, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2017:BRSc

- [3631] B. Ishak. Book review: *Spectra of atoms and molecules* (3rd edition), by Peter F. Bernath. *Contemporary Physics*, 58(2):201–202, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Menghrajani:2017:BRE

- [3632] Kishan Menghrajani. Book review: *Excitations in organic solids*, by Vladimir M. Agranovich. *Contemporary Physics*, 58(2):202, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zetie:2017:BRI

- [3633] Ken Zetie. Book review: *International young physicists tournament: problems and solutions 2014*, edited by S. Wang and W. Gao. *Contemporary Physics*, 58(2):202–203, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2017:BRO

- [3634] Andrew Resnick. Book review: *Optical tweezers: principles and applications*, by Philip H. Jones, Onofrio M. Maragò, and Giovanni Volpe. *Contemporary Physics*, 58(2):203, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2017:BRS

- [3635] Stephen J. Blundell. Book review: *A superfluid universe*, by K. Huang. *Contemporary Physics*, 58(2):203–204, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2017:BRF

- [3636] J. Rogel-Salazar. Book review: *Fashion, faith and fantasy in the new physics of the universe*, by Roger Penrose. *Contemporary Physics*, 58(2):204–205, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gibbons:2017:BRI

- [3637] G. W. Gibbons. Book review: *Images of time: mind, science and reality*, by George Jaroszkiewicz. *Contemporary Physics*, 58(2):205–206, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Eroglu:2017:SCA

- [3638] Deniz Eroglu, Jeroen S. W. Lamb, and Tiago Pereira. Synchronisation of chaos and its applications. *Contemporary Physics*, 58(3):207–243, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ford:2017:FDT

- [3639] G. W. Ford. The fluctuation–dissipation theorem. *Contemporary Physics*, 58(3):244–252, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Waxman:2017:DER

- [3640] David Waxman. The diffusion equation of random genetic drift — biology’s analogue of the Schrödinger equation? *Contemporary Physics*, 58(3):253–261, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2017:FU

- [3641] Peter J. Bussey. Flight from unreason. *Contemporary Physics*, 58(3):262–264, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2017:REW

- [3642] B. Ishak. A review of *Electromagnetic waves for thermonuclear fusion research*, by Ernesto Mazzucato. *Contemporary Physics*, 58(3):265–267, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2017:RMS

- [3643] B. Ishak. A review of *To measure the sky: an introduction to observational astronomy*, 2nd edition, by F. R. Chromey. *Contemporary Physics*, 58(3):268–270, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bridges:2017:BRR

- [3644] Thomas J. Bridges. Book review: *Ray tracing and beyond: phase space methods in plasma wave theory*, by E. R. Tracy, A. J. Brizard, A. S. Richardson and A. N. Kaufman. *Contemporary Physics*, 58(3):271–272, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2017:BRE

- [3645] Miguel A. F. Sanjuán. Book review: *Entropy demystified: the second law reduced to plain common sense*, 2nd edition, by Arieh Ben-Naim. *Contemporary Physics*, 58(3):272, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Caridi:2017:BRL

- [3646] Francesco Caridi. Book review: *Laser-induced breakdown spectroscopy: theory and applications*, edited by Sergio Musazzi and Umberto Perini. *Contemporary Physics*, 58(3):273, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Falcone:2017:BRE

- [3647] Francisco Falcone. Book review: *Electrical properties of materials*, ninth edition, by Laszlo Solymar, Donald Walsh and Richard R. A. Syms. *Contemporary Physics*, 58(3):273, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2017:BRA

- [3648] Salvatore Esposito. Book review: *Atlas of meteorites*, by M. M. Grady, G. Pratesi and V. Moggi Cecchi. *Contemporary Physics*, 58(3):273–274, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2017:BRSa

- [3649] Andrew Resnick. Book review: *Scientific explanation and methodology of science*, by Guichun Guo and Chuang Liu. *Contemporary Physics*, 58(3):274–275, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gibbons:2017:BRC

- [3650] G. W. Gibbons. Book review: *The cosmic web: mysterious architecture of the universe*, by J. Richard Gott. *Contemporary Physics*, 58(3):275–276, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anel:2017:BRC

- [3651] Juan A. Anel. Book review: *Copernicus: a very short introduction*, by Owen Gingerich. *Contemporary Physics*, 58(3):276, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Downing:2017:BRE

- [3652] C. A. Downing. Book review: *Exactly solvable models in many-body theory*, by N. H. March and G. G. N. Angilella. *Contemporary Physics*, 58(3):276–277, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2017:BRCa

- [3653] Nikolaos E. Myridis. Book review: *The Cambridge handbook of applied perception research*, edited by R. R. Hoffman, P. A. Hancock, M. W. Scerbo, R. Parasuraman, and J. L. Szalma. *Contemporary Physics*, 58(3):277, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Schutz:2017:BRB

- [3654] Gunter M. Schütz. Book review: *The briefest history of time: the history of histories of time and the misconstrued association between entropy and time*, by Arieh Ben-Naim. *Contemporary Physics*, 58(3):278, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wang:2017:BRE

- [3655] Chih-Yueh Wang. Book review: *Essential radio astronomy*, by James J. Condon and Scott M. Ransom. *Contemporary Physics*, 58(3):278–279, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bridges:2017:BRPa

- [3656] Thomas J. Bridges. Book review: *Particles in the coastal ocean*, by D. R. Lynch, D. A. Greenberg, A. Bilgili, D. J. McGillicuddy Jr, J. P. Manning, and A. L. Aretxabaleta. *Contemporary Physics*, 58(3):279–280, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Collier:2017:BRQa

- [3657] Thomas Collier. Book review: *Quantum mechanics I, the fundamentals*, by Shanmuganathan Rajasekar and Ramiah Velusamy. *Contemporary Physics*, 58(3):280, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Collier:2017:BRQb

- [3658] Thomas Collier. Book review: *Quantum mechanics II, advanced topics*, by Shanmuganathan Rajasekar and Ramiah Velusamy. *Contemporary Physics*, 58(3):280–281, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Collier:2017:BRS

- [3659] Thomas Collier. Book review: *Strong light-matter coupling: from atoms to solid-state systems*, edited by Alexia Auffèves, Dario Gerace, Maxime Richard, Stefano Portolan, Marcelo França Santos, Leong Chuan Kwek, and Christian Miniatura. *Contemporary Physics*, 58(3):281–282, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lakshminarayanan:2017:BRL

- [3660] Vasudevan Lakshminarayanan. Book review: *Learning scientific programming with Python*, by Christian Hill. *Contemporary Physics*, 58(3):282–284, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Johnson:2017:BRA

- [3661] R. Barry Johnson. Book review: *Advanced geometrical optics*, by P. D. Lin. *Contemporary Physics*, 58(3):284–285, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2017:BRsb

- [3662] Manuel Vogel. Book review: *Strange glow: the story of radiation*, by Timothy J. Jorgensen. *Contemporary Physics*, 58(3):285, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Casazza:2017:BRT

- [3663] Marco Casazza. Book review: *Thermodynamics and statistical mechanics of macromolecular systems*, by Michael Bachmann. *Contemporary Physics*, 58(3):285–286, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tanner:2017:AAS

- [3664] B. K. Tanner. All about science: philosophy, history, sociology & communication, edited by Maria burguete and lui lam. *Contemporary Physics*, 58(3):286, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2017:BRS

- [3665] Thomas Peters. Book review: *The structure of complex networks: theory and applications*, by Ernesto Estrada. *Contemporary Physics*, 58(3):287, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2017:BRM

- [3666] Matt Probert. Book review: *2D materials for nanoelectronics*, edited by Michel Houssa, Athanasios Dimoulas, and Alessandro Molle. *Contemporary Physics*, 58(3):287–288, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2017:BRCb

- [3667] Manuel Vogel. Book review: *Cosmic rays and particle physics*, 2nd edition, by Thomas K. Gaisser, Ralph Engel, and Elisa Resconi. *Contemporary Physics*, 58(3):288, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2017:BRD

- [3668] B. Ishak. Book review: *Deep-sky companions: the Caldwell objects*, 2nd edition, by S. J. O’Meara. *Contemporary Physics*, 58(3):288–289, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2017:BRC

- [3669] B. Ishak. Book review: *Cosmic magnetic fields*, by Philip P. Kronberg. *Contemporary Physics*, 58(3):289–290, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Aczel:2017:BRD

- [3670] Miriam R. Aczel. Book review: *The dark side of technology*, by Peter Townsend. *Contemporary Physics*, 58(3):290–291, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2017:BR1b

- [3671] B. Ishak. Book review: *Introduction to modern magnetohydrodynamics*, by Sébastien Galtier. *Contemporary Physics*, 58(3):291–292, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2017:BR1b

- [3672] K. Alan Shore. Book review: *Transport in multilayered nanostructures: the dynamic mean-field theory approach*, 2nd edition, by James K. Freericks. *Contemporary Physics*, 58(3):292–293, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2017:BR0

- [3673] K. Alan Shore. Book review: *Optical compressive imaging*, edited by Adrian Stern. *Contemporary Physics*, 58(3):293, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2017:BRN

- [3674] K. Alan Shore. Book review: *Nanowires: building blocks for nanoscience and nanotechnology*, by A. Zhang, G. Zheng, and C. Lieber. *Contemporary Physics*, 58(3):294, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2017:BR1b

- [3675] Manuel Vogel. Book review: *Basic X-ray scattering for soft matter*, by W. H. de Jeu. *Contemporary Physics*, 58(3):294–295, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Volpe:2017:BR1

- [3676] Giovanni Volpe. Book review: *The impact of discovering life beyond Earth*, edited by S. J. Dick. *Contemporary Physics*, 58(3):295–296, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2017:BR0

- [3677] Peter J. Bussey. Book review: *Electroweak physics at the LHC*, by M. U. Mozer. *Contemporary Physics*, 58(3):296, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2017:BRN

- [3678] Peter V. E. McClintock. Book review: *Nonlinear dynamics in biological systems*, edited by Jorge Carballido-Landeira and Bruno Escrivano. *Contemporary Physics*, 58(3):296–297, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gururajan:2017:BRT

- [3679] M. P. Gururajan. Book review: *Thermodynamics: a complete undergraduate course*, by A. M. Steane. *Contemporary Physics*, 58(3):297, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zetie:2017:BRQa

- [3680] K. P. Zetie. Book review: *Quantum physics: a first encounter*, by V. Scarani, and translated by Rachael Thew. *Contemporary Physics*, 58(3):297–298, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2017:BRP

- [3681] Miguel A. F. Sanjuán. Book review: *Peregrinations from physics to phylogeny: essays on the occasion of Hao Bailin's 80th birthday*, edited by K. K. Phua and M. Ge. *Contemporary Physics*, 58(3):298–299, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2017:BRsb

- [3682] Andrew Resnick. Book review: *Singular optics*, by G. J. Gbur. *Contemporary Physics*, 58(3):299–300, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2017:BRU

- [3683] Andrew Resnick. Book review: *Ultrafast biophotonics*, by P. Vasa and D. Mathur. *Contemporary Physics*, 58(3):300, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2017:BRM

- [3684] Manuel Vogel. Book review: *From matter to life: information and causality*, edited by S. I. Walker, P. C. W. Davies and G. F. R. Ellis. *Contemporary Physics*, 58(3):300–301, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wang:2017:BRC

- [3685] Chih-Yueh Wang. Book review: *Celestial mechanics and astrodynamics: theory and practice*, by P. Gurfil and P. K. Seidelmann. *Contemporary Physics*, 58(3):301, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2017:PRP

- [3686] Roy Howard. Pervasive randomness in physics: an introduction to its modelling and spectral characterisation. *Contemporary Physics*, 58(4):

303–330, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Clements:2017:IPM

- [3687] David L. Clements. An introduction to the *Planck* mission. *Contemporary Physics*, 58(4):331–348, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wang:2017:BRI

- [3688] Chih-Yueh Wang. Book review: *ITER physics*, by C. Wendell Horton, Jr. and Sadruddin Benkadda. *Contemporary Physics*, 58(4):349–352, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2017:RPE

- [3689] B. Ishak. A review of *Planetesimals: early differentiation and consequences for planets*, edited by L. T. Elkins-Tanton and B. P. Weiss. *Contemporary Physics*, 58(4):353–355, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanchez-Canizares:2017:BRH

- [3690] Javier Sánchez-Cañizares. Book review: *How can physics underlie the mind? Top-down causation in the human context*, by G. Ellis. *Contemporary Physics*, 58(4):356, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2017:BRCb

- [3691] Nikolaos E. Myridis. Book review: *Cosmology with MATLAB*, by D. Green. *Contemporary Physics*, 58(4):357, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2017:BRS

- [3692] Peter J. Bussey. Book review: *A student's manual for a first course in general relativity*, by Robert B. Scott. *Contemporary Physics*, 58(4):357–358, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2017:BRI

- [3693] Miguel A. F. Sanjuán. Book review: *An introduction to space plasma complexity*, by Tom Tien Sun Chang. *Contemporary Physics*, 58(4):358–359, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zetie:2017:BRQb

- [3694] K. P. Zetie. Book review: *Quantum weirdness*, by W. J. Mullin. *Contemporary Physics*, 58(4):359, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2017:BRF

- [3695] Peter J. Bussey. Book review: *A fortunate universe: life in a finely tuned cosmos*, by G. F. Lewis and L. A. Barnes. *Contemporary Physics*, 58(4):359–360, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2017:BRA

- [3696] Mario Bertolotti. Book review: *Attosecond experiments on plasmonic nanostructures: principles and experiments*, by J. Schötz. *Contemporary Physics*, 58(4):360–361, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nicol:2017:BRP

- [3697] Mark Nicol. Book review: *Practical optical interferometry: imaging at visible and infrared wavelengths*, by David F. Buscher. *Contemporary Physics*, 58(4):361, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Berkshire:2017:BRH

- [3698] Frank Berkshire. Book review: *How do you find an exoplanet?*, by J. A. Johnson. *Contemporary Physics*, 58(4):362, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Berkshire:2017:BRL

- [3699] Frank Berkshire. Book review: *Lectures on the theory of water waves*, edited by T. J. Bridges, M. D. Groves and D. P. Nicholls. *Contemporary Physics*, 58(4):362–363, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Berkshire:2017:BRS

- [3700] Frank Berkshire. Book review: *The science of the perfect swing*, by P. Dewhurst. *Contemporary Physics*, 58(4):363, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2017:BRP

- [3701] Dr. Richard Sebastian Shorter. Book review: *Principles of adaptive optics*, 4th edition, by Robert K. Tyson. *Contemporary Physics*, 58(4):

364, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2017:BRL

- [3702] R. S. Shorter. Book review: *A lesson for the future of our science: my testimony on Lord Patrick M. S. Blackett*, by A. Zichichi. *Contemporary Physics*, 58(4):364–365, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2017:BRT

- [3703] Matt Probert. Book review: *The theory of intermolecular forces*, 2nd edition, by A. Stone. *Contemporary Physics*, 58(4):365, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ryder:2017:BRT

- [3704] Lewis Ryder. Book review: *Topological quantum numbers in nonrelativistic physics*, by D. J. Thouless. *Contemporary Physics*, 58(4):365–366, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2017:BRA

- [3705] B. Ishak. Book review: *Asteroids: astronomical and geological bodies*, by T. H. Burbine. *Contemporary Physics*, 58(4):366–368, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2017:BRP

- [3706] Peter J. Dobson. Book review: *Physics at the biomolecular interface: fundamentals for molecular targeted therapy*, by A. Fernández. *Contemporary Physics*, 58(4):369, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2017:BRS

- [3707] Manuel Vogel. Book review: *The structure and dynamics of cities*, by M. Barthelemy. *Contemporary Physics*, 58(4):369–370, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2017:BRQ

- [3708] B. Ishak. Book review: *A question and answer guide to astronomy*, 2nd edition, by C. Christian and J-R. Roy. *Contemporary Physics*, 58(4):370, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2017:BRGb

- [3709] B. Ishak. Book review: *Gravitational lensing*, by S. Dodelson. *Contemporary Physics*, 58(4):370–371, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2017:BRQ

- [3710] Stephen J. Blundell. Book review: *Quantum measurement*, by P. Busch, P. J. Lahti, J.-P. Pellonpää, and K. Ylänen. *Contemporary Physics*, 58(4):371, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Al-Tabbakh:2017:BRS

- [3711] Ahmed A. Al-Tabbakh. Book review: *Symmetry in crystallography: understanding the international tables*, by Paolo G. Radaelli. *Contemporary Physics*, 58(4):371–373, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ooi:2017:BRL

- [3712] Kelvin J. A. Ooi. Book review: *Light-matter interaction: physics and engineering at the nanoscale*, 2nd edition, by J. Weiner and F. Nunes. *Contemporary Physics*, 58(4):373–374, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:2017:BRP

- [3713] Fredric W. Taylor. Book review: *Physics of radiation and climate*, by Michael A. Box and Gail P. Box. *Contemporary Physics*, 58(4):374, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zubair:2017:BRF

- [3714] Muhammad Zubair. Book review: *Fundamental and applied nano-electromagnetics*, edited by A. Maffucci and S. A. Maksimenko. *Contemporary Physics*, 58(4):374–375, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Casazza:2017:BRF

- [3715] Marco Casazza. Book review: *Foundation of statistical energy analysis in vibroacoustics*, by A. Le Bot. *Contemporary Physics*, 58(4):375, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bridges:2017:BRPb

- [3716] Thomas J. Bridges. Book review: *A primer on quantum fluids*, by C. F. Barenghi and N. G. Parker. *Contemporary Physics*, 58(4):375–376, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Medel-Vera:2017:BRC

- [3717] Carlos Medel-Vera. Book review: *Computational seismology*, by H. Igel. *Contemporary Physics*, 58(4):376, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2017:BRF

- [3718] Matt Probert. Book review: *Fundamentals of condensed matter physics*, by M. L. Cohen and S. G. Louie. *Contemporary Physics*, 58(4):377, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2017:BRP

- [3719] David Bailin. Book review: *The physical world: an inspirational tour of fundamental physics*, by N. Manton and N. Mee. *Contemporary Physics*, 58(4):377–379, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Modi:2017:BRQ

- [3720] Kavan Modi. Book review: *Quantum stochasticity*, by Mou-Hsiung Chang. *Contemporary Physics*, 58(4):379, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2017:BRDb

- [3721] David Bailin. Book review: *A dictionary of science*, 7th edition, by J. Law. *Contemporary Physics*, 58(4):379–380, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2017:BRBb

- [3722] Manuel Vogel. Book review: *The Earth's inner core: revealed by observational seismology*, by H. Tkalcic. *Contemporary Physics*, 58(4):380, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2017:BRl

- [3723] Peter J. Bussey. Book review: *Introduction to cosmology*, 2nd edition, by B. Ryden. *Contemporary Physics*, 58(4):381, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ryder:2017:BRB

- [3724] Lewis Ryder. Book review: *Budapest scientific: a guidebook*, by István Hargittai and Magdolna Hargittai. *Contemporary Physics*, 58(4):381, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2017:EB

- [3725] Anonymous. Editorial board. *Contemporary Physics*, 58(4):ebi, 2017. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jack:2018:T

- [3726] Ian Jack. The a -theorem. *Contemporary Physics*, 59(1):1–15, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hobson:2018:RSR

- [3727] Art Hobson. Review and suggested resolution of the problem of Schrödinger's cat. *Contemporary Physics*, 59(1):16–30, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cavalleri:2018:PIS

- [3728] Andrea Cavalleri. Photo-induced superconductivity. *Contemporary Physics*, 59(1):31–46, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Villeneuve:2018:AS

- [3729] D. M. Villeneuve. Attosecond science. *Contemporary Physics*, 59(1):47–61, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bailin:2018:CB

- [3730] David Bailin. Clear as a bell. *Contemporary Physics*, 59(1):62–67, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ryder:2018:RWC

- [3731] Lewis Ryder. A review of *Who cares about particle physics? Making sense of the Higgs Boson, the Large Hadron Collider and CERN*, by Pauline Gagnon, and *Modern elementary particle physics: explaining and extending the standard model*, 2nd edition, by Gordon Kane. *Contemporary Physics*, 59(1):68–69, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2018:RSA

- [3732] B. Ishak. A review of *Spectral atlas for amateur astronomers*, by R. Walker. *Contemporary Physics*, 59(1):70–72, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:2018:BRE

- [3733] Fredric W. Taylor. Book review: *Exoplanetary atmospheres: theoretical concepts and foundations*, by K. Heng. *Contemporary Physics*, 59(1):73, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2018:BRQa

- [3734] Andrew Resnick. Book review: *Quantum mechanics*, by Richard Fitzpatrick. *Contemporary Physics*, 59(1):73–74, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2018:BRA

- [3735] Andrew Resnick. Book review: *Advances in disordered systems, random processes and some applications*, edited by P. Contucci and C. Giardina. *Contemporary Physics*, 59(1):74, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2018:BRC

- [3736] Andrew Resnick. Book review: *From classical to quantum fields*, by L. Baulieu, J. Iliopoulos and R. Sénéor. *Contemporary Physics*, 59(1):74–75, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2018:BR1a

- [3737] Manuel Vogel. Book review: *Introduction to planetary photometry*, by M. K. Shepard. *Contemporary Physics*, 59(1):75–76, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Clayton:2018:BRM

- [3738] John D. Clayton. Book review: *Macroscopic electrodynamics: an introductory graduate treatment*, by W. Wilcox and C. Thron. *Contemporary Physics*, 59(1):76–77, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gururajan:2018:BRT

- [3739] M. P. Gururajan. Book review: *Tales of the quantum: understanding physics' most fundamental theory*, by A. Hobson. *Contemporary Physics*,

59(1):77–78, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2018:BRL

- [3740] Nikolaos E. Myridis. Book review: *Lab-on-fiber technology*, edited by A. Cusano, M. Consales, A. Crescitelli, and A. Ricciardi. *Contemporary Physics*, 59(1):78–79, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anel:2018:BRA

- [3741] Juan A. Añel. Book review: *Advanced computational fluid and aerodynamics*, by P. G. Tucker. *Contemporary Physics*, 59(1):79–80, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2018:BRH

- [3742] K. Alan Shore. Book review: *Hybrid phonons in nanostructures*, by B. K. Ridley. *Contemporary Physics*, 59(1):80, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2018:BRO

- [3743] K. Alan Shore. Book review: *Optical microring resonators: theory, techniques, and applications*, by V. Van. *Contemporary Physics*, 59(1):80–81, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Collier:2018:BR Ea

- [3744] Thomas Collier. Book review: *Electromagnetic interactions*, by S. D. Bosanac. *Contemporary Physics*, 59(1):81–82, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2018:BR Ia

- [3745] K. Alan Shore. Book review: *An introduction to distributed optical fibre sensors*, by A. H. Hartog. *Contemporary Physics*, 59(1):82–83, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zubair:2018:BRA

- [3746] Muhammad Zubair. Book review: *Advanced free space optics (FSO): a systems approach*, by Arun K. Majumdar. *Contemporary Physics*, 59(1):83, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Collier:2018:BRB

- [3747] Thomas Collier. Book review: *Electromagnetic waves in complex systems: selected theoretical and applied problems*, edited by Y. Sirenko and L. Velychko. *Contemporary Physics*, 59(1):84, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2018:BR0

- [3748] Peter J. Bussey. Book review: *The Oxford handbook of the history of physics*, by J. Buchwald and R. Fox. *Contemporary Physics*, 59(1):84–85, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2018:BRC

- [3749] Thomas Peters. Book review: *Chaotic dynamics: fractals, tilings, and substitutions*, by G. R. Goodson. *Contemporary Physics*, 59(1):85–86, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Berkshire:2018:BRA

- [3750] Frank Berkshire. Book review: *Advanced classical mechanics*, by B. K. Bagchi. *Contemporary Physics*, 59(1):86, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2018:BR1

- [3751] B. Ishak. Book review: *Totality — the great American eclipses of 2017 and 2024*, by M. Littmann and F. Espenak. *Contemporary Physics*, 59(1):87, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2018:BRQ

- [3752] B. Ishak. Book review: *Quantum physics: what everybody needs to know*, by M. G. Raymer. *Contemporary Physics*, 59(1):87–88, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2018:BRM

- [3753] A. H. Harker. Book review: *Materials for the 21st century*, by D. Segal. *Contemporary Physics*, 59(1):88, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2018:BRFa

- [3754] B. Ishak. Book review: *Foundations of nuclear and particle physics*, by T. W. Donnelly, J. A. Formaggio, B. R. Holstein, R.G. Milner, and

B. Surrow. *Contemporary Physics*, 59(1):89, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2018:BRPa

- [3755] A. H. Harker. Book review: *Practical Bayesian inference: a primer for physical scientists*, by C. A. L. Bailer-Jones. *Contemporary Physics*, 59(1):89–90, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ooi:2018:BRW

- [3756] Kelvin J. A. Ooi. Book review: *The wonderful world of relativity: a precise guide for the general reader*, by A. Steane. *Contemporary Physics*, 59(1):90, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Aczel:2018:BRGa

- [3757] Miriam R. Aczel. Book review: *Gravity: a very short introduction*, by T. Clifton. *Contemporary Physics*, 59(1):90–91, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2018:BRS

- [3758] Salvatore Esposito. Book review: *Shattered symmetry: group theory from the eightfold way to the periodic table*, by P. Thyssen and A. Ceulemans. *Contemporary Physics*, 59(1):91–92, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2018:BRQa

- [3759] Peter J. Bussey. Book review: *The quantum revolution in philosophy*, by R. Healey. *Contemporary Physics*, 59(1):92–94, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Schutz:2018:BRT

- [3760] Gunter M. Schütz. Book review: *Thermal transport in low dimensions: from statistical physics to nanoscale heat transfer*, edited by S. Lepri. *Contemporary Physics*, 59(1):94, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wang:2018:BRG

- [3761] Chih-Yueh Wang. Book review: *The gas dynamics of explosions*, by J. H. S. Lee. *Contemporary Physics*, 59(1):94–95, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gururajan:2018:BRL

- [3762] M. P. Gururajan. Book review: *The lazy universe: an introduction to the principle of least action*, by J. Coopersmith. *Contemporary Physics*, 59(1):95–96, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ang:2018:BRM

- [3763] Yee Sin Ang. Book review: *Mass: the quest to understand matter from Greek atoms to quantum fields*, by J. Baggott. *Contemporary Physics*, 59(1):96, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ang:2018:BRA

- [3764] Yee Sin Ang. Book review: *Amorphous semiconductors*, by Sándor Kugler and Koichi Shimakawa. *Contemporary Physics*, 59(1):96–97, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2018:BRS

- [3765] Manuel Vogel. Book review: *Sound propagation through the Stochastic Ocean*, by J. A. Colosi. *Contemporary Physics*, 59(1):97–98, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Aczel:2018:BRT

- [3766] Miriam R. Aczel. Book review: *Thermodynamics of natural systems: theory and applications in geochemistry and environmental science*, 3rd edition, by G. Anderson. *Contemporary Physics*, 59(1):98–99, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Aczel:2018:BRH

- [3767] Miriam R. Aczel. Book review: *Hydrogen storage technology: materials and applications*, by L. Klebanoff. *Contemporary Physics*, 59(1):99, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Moya-Cessa:2018:BRI

- [3768] Héctor Manuel Moya-Cessa. Book review: *The illustrated wavelet transform handbook: introductory theory and applications in science, engineering, medicine and finance*, 2nd edition, by P. S. Addison. *Contemporary Physics*, 59(1):100, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2018:BRSa

- [3769] B. Ishak. Book review: *The standard model in a nutshell*, by D. Goldberg. *Contemporary Physics*, 59(1):100–101, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Moya-Cessa:2018:BRL

- [3770] Héctor Manuel Moya-Cessa. Book review: *Lectures on light: nonlinear and quantum optics using the density matrix*, 2nd edition, by S. C. Rand. *Contemporary Physics*, 59(1):101, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hobson:2018:BRP

- [3771] Peter R. Hobson. Book review: *The photomultiplier handbook*, by A. G. Wright. *Contemporary Physics*, 59(1):101–102, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2018:BRQ

- [3772] Mario Bertolotti. Book review: *Quantum optics and nanophotonics: lecture notes of the Les Houches Summer School*, edited by Claude Fabre, Vahid Sandoghdar, Nicolas Treps, and Leticia F. Cugliandolo. *Contemporary Physics*, 59(1):102–103, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2018:BRsb

- [3773] B. Ishak. Book review: *Spectroscopy for amateur astronomers*, by M. F. M. Trypsteen and R. Walker. *Contemporary Physics*, 59(1):103, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2018:BRW

- [3774] Stephen H. Ashworth. Book review: *What goes up . . . gravity and scientific method*, by P. Kosso. *Contemporary Physics*, 59(1):103–104, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2018:BRib

- [3775] Manuel Vogel. Book review: *An introduction to X-ray physics, optics, and applications*, by C. A. MacDonald. *Contemporary Physics*, 59(1):104–105, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Aczel:2018:BRGb

- [3776] Miriam R. Aczel. Book review: *Get funded: an insider's guide to building an academic research program*, by R. J. Trew. *Contemporary Physics*,

59(1):105–106, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2018:BRNa

- [3777] Miguel A. F. Sanjuán. Book review: *Nature's third cycle: a story of sunspots*, by A. R. Choudhuri. *Contemporary Physics*, 59(1):106–107, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

White:2018:DCG

- [3778] C. D. White. The double copy: gravity from gluons. *Contemporary Physics*, 59(2):109–125, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Larocque:2018:TE

- [3779] Hugo Larocque, Ido Kaminer, Vincenzo Grillo, Gerd Leuchs, Miles J. Padgett, Robert W. Boyd, Mordechai Segev, and Ebrahim Karimi. ‘Twisted’ electrons. *Contemporary Physics*, 59(2):126–144, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barnett:2018:VFP

- [3780] Stephen M. Barnett and Matthias Sonnleitner. The vacuum friction paradox and related puzzles. *Contemporary Physics*, 59(2):145–154, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gilmore:2018:GDC

- [3781] Gerard Gilmore. Gaia: 3-dimensional census of the Milky Way Galaxy. *Contemporary Physics*, 59(2):155–173, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Venegas-Andraca:2018:CDI

- [3782] Salvador E. Venegas-Andraca, William Cruz-Santos, Catherine McGeoch, and Marco Lanzagorta. A cross-disciplinary introduction to quantum annealing-based algorithms. *Contemporary Physics*, 59(2):174–197, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2018:RSS

- [3783] B. Ishak. A review of *Supersymmetry and string theory: beyond the standard model*, 2nd edition, by Michael Dine. *Contemporary Physics*, 59(2):198–200, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gibbons:2018:BRT

- [3784] G. W. Gibbons. Book review: *Theoretical frontiers in black holes and cosmology: theoretical perspectives in high energy physics*, edited by R. Kallosh and E. Orazi. *Contemporary Physics*, 59(2):201, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Benedict:2018:BRI

- [3785] Keith A. Benedict. Book review: *Introduction to topological quantum matter and quantum computation*, by Tudor D. Stanescu. *Contemporary Physics*, 59(2):202, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sitek:2018:BRS

- [3786] Marta Anna Sitek. Book review: *Soil mechanics fundamentals*, by Muni Budhu. *Contemporary Physics*, 59(2):202–203, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2018:BRW

- [3787] B. Ishak. Book review: *Waves, particles, and storms in geospace: a complex interplay*, edited by G. Balasis, I. Daglis, and I. R. Mann. *Contemporary Physics*, 59(2):203, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sivakumar:2018:BRM

- [3788] Srinivasan Sivakumar. Book review: *Microcavities*, by Alexey V. Kavokin, Jeremy J. Baumberg, Guillaume Maupuech, and Fabrice P. Laussy. *Contemporary Physics*, 59(2):203–204, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2018:BRG

- [3789] Nikolaos E. Myridis. Book review: *Generating random networks and graphs*, by T. Coolen, A. Annibale, and E. Roberts. *Contemporary Physics*, 59(2):204–205, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2018:BRA

- [3790] Stephen H. Ashworth. Book review: *The atmosphere: a very short introduction*, by P. I. Palmer. *Contemporary Physics*, 59(2):205, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2018:BRC

- [3791] Peter J. Bussey. Book review: *The conceptual framework of quantum field theory*, by A. Duncan. *Contemporary Physics*, 59(2):205–206, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2018:BR0a

- [3792] Manuel Vogel. Book review: *An overview of gravitational waves: theory, sources and detection*, edited by G. Auger and E. Plagnol. *Contemporary Physics*, 59(2):206–207, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gururajan:2018:BRS

- [3793] M. P. Gururajan. Book review: *A student's guide to dimensional analysis*, by D. S. Lemons. *Contemporary Physics*, 59(2):207, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

MacKay:2018:BRB

- [3794] Robert S. MacKay. Book review: *Beyond peaceful co-existence: the emergence of space, time and quantum*, by I. Licata. *Contemporary Physics*, 59(2):208, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2018:BRSa

- [3795] Andrew Resnick. Book review: *Super-resolution imaging in biomedicine*, edited by A. Diaspro and M. A. M. J. van Zandvoort. *Contemporary Physics*, 59(2):208, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Belsley:2018:BRF

- [3796] Michael Belsley. Book review: *Fundamentals of nonlinear optics*, 2nd edition, by P. E. Powers and J. W. Haus. *Contemporary Physics*, 59(2):208–209, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2018:BRP

- [3797] B. Ishak. Book review: *Precision cosmology: the first half million years*, by B. J. T. Jones. *Contemporary Physics*, 59(2):209–210, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2018:BRA

- [3798] Manuel Vogel. Book review: *Atoms, mechanics, and probability: Ludwig Boltzmann's statistico-mechanical writings — an exegesis*, by O. Darrigol.

Contemporary Physics, 59(2):210–211, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zubair:2018:BRP

- [3799] Muhammad Zubair. Book review: *Physics of electronic materials: principles and applications*, by J. Rammer. *Contemporary Physics*, 59(2):211, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2018:BRaA

- [3800] Peter J. Bussey. Book review: *Atom projects: events and people*, by B. Ioffe. *Contemporary Physics*, 59(2):211–212, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2018:BRO

- [3801] B. Ishak. Book review: *The origin of mass: elementary particles and fundamental symmetries*, by J. Iliopoulos. *Contemporary Physics*, 59(2):212–213, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2018:BRPa

- [3802] Manuel Vogel. Book review: *The pull of history: human understanding of magnetism and gravity through the ages*, by Y. Yamamoto. *Contemporary Physics*, 59(2):213, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2018:BRNb

- [3803] Miguel A. F. Sanjuán. Book review: *Natural complexity: a modelling handbook* by P. Charbonneau. *Contemporary Physics*, 59(2):214, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2018:BRM

- [3804] B. Ishak. Book review: *The Milky Way: an insider's guide*, by W. H. Waller. *Contemporary Physics*, 59(2):214–215, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2018:BRT

- [3805] Stephen H. Ashworth. Book review: *Telescopes: a very short introduction*, by Geoff Cottrell. *Contemporary Physics*, 59(2):215–216, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Aczel:2018:BRC

- [3806] Miriam R. Aczel. Book review: *A concise guide to communication in science & engineering*, by D. H. Foster. *Contemporary Physics*, 59(2):216–217, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Aczel:2018:BRS

- [3807] Miriam R. Aczel. Book review: *The simple physics of energy use*, by P. Rez. *Contemporary Physics*, 59(2):217–218, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2018:BRD

- [3808] A. H. Harker. Book review: *Data analysis techniques for physical scientists*, by C. Pruneau. *Contemporary Physics*, 59(2):218, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2018:BRPb

- [3809] A. H. Harker. Book review: *Physical methods for materials characterisation*, 3rd edition, by P. E. J. Flewitt and R. K. Wild. *Contemporary Physics*, 59(2):218–219, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lancaster:2018:BRL

- [3810] Tom Lancaster. Book review: *The last man who knew everything: the life and times of Enrico Fermi, father of the nuclear age*, by D. N. Schwartz. *Contemporary Physics*, 59(2):219–220, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rosas-Ortiz:2018:BRM

- [3811] Oscar Rosas-Ortiz. Book review: *The meaning of the wave function: in search of the ontology of quantum mechanics*, by S. Gao. *Contemporary Physics*, 59(2):220–221, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2018:BRS

- [3812] K. Alan Shore. Book review: *Symmetry, phase modulation and nonlinear waves*, by T. J. Bridges. *Contemporary Physics*, 59(2):221–222, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2018:BRMa

- [3813] K. Alan Shore. Book review: *Microrheology*, by E. M. Furst and T. M. Squires. *Contemporary Physics*, 59(2):222–223, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2018:BRC

- [3814] K. Alan Shore. Book review: *Complex networks: principles, methods and applications*, by V. Latora, V. Nicosia, and G. Russo. *Contemporary Physics*, 59(2):223–224, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:2018:BRP

- [3815] F. W. Taylor. Book review: *The paradoxes of time travel*, by Ryan Wasserman. *Contemporary Physics*, 59(2):224, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2018:BRD

- [3816] B. Ishak. Book review: *Deconstructing cosmology*, by R. H. Sanders. *Contemporary Physics*, 59(2):224–225, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Aczel:2018:BRE

- [3817] Miriam R. Aczel. Book review: *Emmy Noether's wonderful theorem*, revised and updated edition, by D. E. Neunenschwander. *Contemporary Physics*, 59(2):225–226, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2018:BRCa

- [3818] Manuel Vogel. Book review: *Calorimetry — energy measurements in particle physics*, 2nd edition, by R. Wigmans. *Contemporary Physics*, 59(2):226–227, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nation:2018:BRQ

- [3819] Charlie Nation. Book review: *Quantum statistical field theory: an introduction to Schwinger's variational method with Green's function nanoapplications, graphene and superconductivity*, by N. J. M. Horing. *Contemporary Physics*, 59(2):227, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gherardini:2018:SSN

- [3820] Stefano Gherardini, Shamik Gupta, and Stefano Ruffo. Spontaneous synchronisation and nonequilibrium statistical mechanics of coupled phase oscillators. *Contemporary Physics*, 59(3):229–250, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kalirai:2018:SDJ

- [3821] Jason Kalirai. Scientific discovery with the James Webb Space Telescope. *Contemporary Physics*, 59(3):251–290, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Couteau:2018:SPC

- [3822] Christophe Couteau. Spontaneous parametric down-conversion. *Contemporary Physics*, 59(3):291–304, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2018:RHI

- [3823] Peter V. E. McClintock and Igor Kh. Kaufman. A review of *Handbook of Ion Channels*, by Jie Zheng and Matthew C. Trudeau. *Contemporary Physics*, 59(3):305–307, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2018:HED

- [3824] B. Ishak. High-energy-density physics: foundation of inertial fusion and experimental astrophysics. *Contemporary Physics*, 59(3):308–310, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Martin:2018:BRB

- [3825] Alan D. Martin. Book review: *The black book of quantum chromodynamics: a primer for the LHC ERA*. *Contemporary Physics*, 59(3):311–312, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gururajan:2018:TDE

- [3826] M. P. Gururajan. Theory of dislocations, 3rd edition. *Contemporary Physics*, 59(3):312–313, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2018:BRsb

- [3827] Andrew Resnick. Book review: *Spin current*, 2nd edition. *Contemporary Physics*, 59(3):313–314, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Berkshire:2018:BRH

- [3828] Frank Berkshire. Book review: *A half-century of physical asymptotics and other diversions*. *Contemporary Physics*, 59(3):314–315, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2018:BRI

- [3829] Manuel Vogel. Book review: *Introduction to nuclear reactor physics*. *Contemporary Physics*, 59(3):315–316, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barber:2018:BRG

- [3830] D. C. Barber. Book review: *A guide to mathematical methods for physicists with problems and solutions*. *Contemporary Physics*, 59(3):316, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2018:BRN

- [3831] Miguel A. F. Sanjuán. Book review: *Nonequilibrium statistical physics: a modern perspective*. *Contemporary Physics*, 59(3):316–317, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2018:BRM

- [3832] Peter V. E. McClintock. Book review: *Methods in molecular biophysics: structure, dynamics, function for biology and medicine*, 2nd edition. *Contemporary Physics*, 59(3):317–318, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2018:BRI

- [3833] Andrew Resnick. Book review: *Interacting systems far from equilibrium: quantum kinetic theory*. *Contemporary Physics*, 59(3):318, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Aczel:2018:BRD

- [3834] Miriam Aczel. Book review: *The dialogues: conversations about the nature of the universe*. *Contemporary Physics*, 59(3):318–319, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2018:BRE

- [3835] Stephen J. Blundell. Book review: *Elements of slow-neutron scattering*. *Contemporary Physics*, 59(3):319–320, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2018:BRT

- [3836] Andrew Resnick. Book review: *Topological aspects of condensed matter physics: lecture notes of the Les Houches summer school: Volume 103, August 2014*. *Contemporary Physics*, 59(3):320–321, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2018:BRW

- [3837] Dr R. S. Shorter. Book review: *Wolf prize in physics*. *Contemporary Physics*, 59(3):321, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2018:BRSa

- [3838] R. S. Shorter. Book review: *Surfing the quantum world*. *Contemporary Physics*, 59(3):321–322, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Caruso:2018:BRC

- [3839] Francisco Caruso. Book review: *Can the laws of Physics be unified?* *Contemporary Physics*, 59(3):322–323, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bridges:2018:BRM

- [3840] Thomas J. Bridges. Book review: *The Many Faces of Maxwell, Dirac and Einstein Equations: A Clifford Bundle Approach*. *Contemporary Physics*, 59(3):323, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Añel:2018:BRB

- [3841] Juan A. Añel. Book review: *Blockbuster Science: The Real Science in Science Fiction*. *Contemporary Physics*, 59(3):324, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2018:BRC

- [3842] Matt Probert. Book review: *Computer simulation of liquids*, 2nd edition. *Contemporary Physics*, 59(3):324–325, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Moya-Cessa:2018:BRN

- [3843] Héctor Manuel Moya-Cessa. Book review: *Non-relativistic quantum mechanics*. *Contemporary Physics*, 59(3):325, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2018:BRO

- [3844] Salvatore Esposito. Book review: *Origins — the scientific story of Creation*. *Contemporary Physics*, 59(3):325–326, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gibbons:2018:BRCa

- [3845] G. W. Gibbons. Book review: *Cosmic paradoxes*, 2nd edition. *Contemporary Physics*, 59(3):326–327, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2018:BRG

- [3846] Thomas Peters. Book review: *Gravitation*. *Contemporary Physics*, 59(3):327, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2018:BRCb

- [3847] Manuel Vogel. Book review: *Concepts in particle physics: a concise introduction to the standard model*. *Contemporary Physics*, 59(3):327–328, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2018:BRQb

- [3848] Peter J. Bussey. Book review: *Quantum sense and nonsense*. *Contemporary Physics*, 59(3):328–329, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nicol:2018:BRM

- [3849] Mark Nicol. Book review: *Mathematics for physics: an illustrated handbook*. *Contemporary Physics*, 59(3):329, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2018:BRPb

- [3850] Manuel Vogel. Book review: *Plasma physics — an introduction to laboratory, space, and fusion plasmas*, 2nd edition. *Contemporary Physics*, 59(3):329–330, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Heras:2018:DQC

- [3851] Ricardo Heras. Dirac quantisation condition: a comprehensive review. *Contemporary Physics*, 59(4):331–355, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tarbutt:2018:LCM

- [3852] M. R. Tarbutt. Laser cooling of molecules. *Contemporary Physics*, 59(4):356–376, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bowler:2018:BBM

- [3853] David R. Bowler. Building bridges: matching density functional theory with experiment. *Contemporary Physics*, 59(4):377–390, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2018:BRGa

- [3854] B. Ishak. Book review: *Gravitational waves volume 2: astrophysics and cosmology*. *Contemporary Physics*, 59(4):391–393, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2018:BRQc

- [3855] Peter J. Bussey. Book review: *Quantum Reality*. *Contemporary Physics*, 59(4):394–397, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gilmore:2018:BRH

- [3856] Gerry Gilmore. Book review: *The history of physics — a very short introduction / Theories of everything — ideas in profile*. *Contemporary Physics*, 59(4):398–399, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2018:BRH

- [3857] Manuel Vogel. Book review: *The heroic age, the creation of quantum mechanics, 1925–1940*. *Contemporary Physics*, 59(4):399–400, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gibbons:2018:BRA

- [3858] Gary Gibbons. Book review: *Astrophysical applications of gravitational lensing*. *Contemporary Physics*, 59(4):400, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gibbons:2018:BRCb

- [3859] Gary Gibbons. Book review: *The cosmological singularity*. *Contemporary Physics*, 59(4):400–401, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2018:BRI

- [3860] B. Ishak. Book review: *From interstellar clouds to star-forming galaxies: universal processes?* *Contemporary Physics*, 59(4):401–402, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2018:BRG

- [3861] B. Ishak. Book review: *Galaxies at high redshift and their evolution over cosmic time.* *Contemporary Physics*, 59(4):402, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Menghrajani:2018:BRF

- [3862] Kishan Menghrajani. Book review: *Fibre-optic Fabry–Perot sensors: an introduction.* *Contemporary Physics*, 59(4):402–403, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rosas-Ortiz:2018:BRN

- [3863] Oscar Rosas-Ortiz. Book review: *Neutron interferometry: lessons in experimental quantum mechanics, wave-particle duality, and entanglement*, Second edition. *Contemporary Physics*, 59(4):403–405, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2018:BRM

- [3864] Miguel A. F. Sanjuán. Book review: *Modern classical physics: optics, fluids, plasmas, elasticity, relativity, and statistical physics.* *Contemporary Physics*, 59(4):405–406, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2018:BRA

- [3865] B. Ishak. Book review: *Astrophysics of red supergiants.* *Contemporary Physics*, 59(4):406, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zubair:2018:BRF

- [3866] Muhammad Zubair. Book review: *Fractional diffusion equations and anomalous diffusion.* *Contemporary Physics*, 59(4):406–407, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2018:BRG

- [3867] Manuel Vogel. Book review: *Geophysical fluid dynamics: understanding (almost) everything with rotating shallow water models.* *Contemporary Physics*, 59(4):407–408, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2018:BRS

- [3868] Stephen H. Ashworth. Book review: *A student's guide to dimensional analysis*. *Contemporary Physics*, 59(4):408, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Casazza:2018:BRS

- [3869] Marco Casazza. Book review: *Signatures of the artist: the vital imperfections that make our universe habitable*. *Contemporary Physics*, 59(4):409, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2018:BRsb

- [3870] R. S. Shorter. Book review: *Shoot the Moon: a complete guide to lunar imaging*. *Contemporary Physics*, 59(4):409–410, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2018:BRQ

- [3871] R. S. Shorter. Book review: *Quantum physics: what everyone needs to know*. *Contemporary Physics*, 59(4):410, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2018:BRsa

- [3872] Stephen J. Blundell. Book review: *Skyrmions: topological structures, properties, and applications*. *Contemporary Physics*, 59(4):410–411, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2018:BRsb

- [3873] Stephen J. Blundell. Book review: *String theory methods for condensed matter physics*. *Contemporary Physics*, 59(4):411, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2018:BRaA

- [3874] Nikolaos E. Myridis. Book review: *Advances in imaging and electron physics*. *Contemporary Physics*, 59(4):411–412, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2018:BRAb

- [3875] Peter J. Bussey. Book review: *The age of innocence. Nuclear physics between the First and Second World Wars*. *Contemporary Physics*, 59(4):413, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2018:BROb

- [3876] Manuel Vogel. Book review: *One of ten billion Earths — how we learn about our planet's past and future from distant exoplanets*. *Contemporary Physics*, 59(4):413–414, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Caruso:2018:BRP

- [3877] Francisco Caruso. Book review: *Precise dimensions: a history of units from 1791–2018*. *Contemporary Physics*, 59(4):414–415, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Andrews:2018:BRP

- [3878] David L. Andrews. Book review: *Priest of nature: the religious worlds of Isaac Newton*. *Contemporary Physics*, 59(4):415–416, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2018:BRQb

- [3879] Andrew Resnick. Book review: *Quantum field theory and condensed matter, an introduction*. *Contemporary Physics*, 59(4):416–417, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2018:BRQc

- [3880] Andrew Resnick. Book review: *Quantum field theory approach to condensed matter physics*. *Contemporary Physics*, 59(4):417, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2018:BRQd

- [3881] Peter J. Bussey. Book review: *The quantum measurement problem*. *Contemporary Physics*, 59(4):417–418, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2018:BRAb

- [3882] Nikolaos E. Myridis. Book review: *Advances in imaging and electron physics*. *Contemporary Physics*, 59(4):418–419, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gururajan:2018:BRA

- [3883] M. P. Gururajan. Book review: *Applied computational physics*. *Contemporary Physics*, 59(4):419–420, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2018:BRR

- [3884] Eric Howard. Book review: *Relativistic many-body theory: a new field-theoretical approach*. *Contemporary Physics*, 59(4):420–421, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Athorne:2018:BRFa

- [3885] Chris Athorne. Book review: *Fifty years of mathematical physics: selected works of Ludwig Faddeev*. *Contemporary Physics*, 59(4):421, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2018:BRFb

- [3886] B. Ishak. Book review: *First ten years of Hinode solar on-orbit observatory*. *Contemporary Physics*, 59(4):422, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2018:BRE

- [3887] K. Alan Shore. Book review: *Essential classical mechanics*. *Contemporary Physics*, 59(4):422–423, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2018:BR Ib

- [3888] K. Alan Shore. Book review: *An introduction to organic lasers*. *Contemporary Physics*, 59(4):423–424, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2018:BRH

- [3889] Peter J. Dobson. Book review: *Handbook on the physics and chemistry of rare earths, Volume 52: Alloy systems and compounds containing rare earth elements and carbon*. *Contemporary Physics*, 59(4):424, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2018:BR Mb

- [3890] K. Alan Shore. Book review: *Modern techniques of surface science*, 3rd edition. *Contemporary Physics*, 59(4):424–425, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2018:BRH

- [3891] B. Ishak. Book review: *Heliophysics: active stars, their astrospheres, and impacts on planetary environments*. *Contemporary Physics*, 59(4):425, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2018:BRPc

- [3892] Manuel Vogel. Book review: *Physics and technology of sustainable energy*. *Contemporary Physics*, 59(4):425–426, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rosas-Ortiz:2018:BRF

- [3893] Oscar Rosas-Ortiz. Book review: *Fundamentals of interferometric gravitational wave detectors*. *Contemporary Physics*, 59(4):426–428, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2018:BRG

- [3894] A. H. Harker. Book review: *Geometric and Electronic Properties of Graphene-Related Systems*. *Contemporary Physics*, 59(4):428, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2018:BRC

- [3895] A. H. Harker. Book review: *The classical Stefan problem: basic concepts, modelling and analysis with quasi-analytical solutions and methods*. *Contemporary Physics*, 59(4):428–429, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Athorne:2018:BRFb

- [3896] Chris Athorne. Book review: *Fractals in probability and analysis*. *Contemporary Physics*, 59(4):429, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2018:BRPd

- [3897] Manuel Vogel. Book review: *Planetary habitability and stellar activity*. *Contemporary Physics*, 59(4):430, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2018:BRR

- [3898] Stephen J. Blundell. Book review: *A review of magnetism in carbon nanostructures*. *Contemporary Physics*, 59(4):430–431, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2018:BRQ

- [3899] Stephen J. Blundell. Book review: *Quantum field theory for economics and finance*. *Contemporary Physics*, 59(4):431, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Clayton:2018:BRG

- [3900] John D. Clayton. Book review: *Geometric methods in elastic theory of membranes in liquid crystal phases*, 2nd ed. *Contemporary Physics*, 59(4):431–433, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2018:BRF

- [3901] Mario Bertolotti. Book review: *Finn's thermal physics*. *Contemporary Physics*, 59(4):433, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2018:BRL

- [3902] K. Alan Shore. Book review: *The Lattice Boltzmann equation*. *Contemporary Physics*, 59(4):433–434, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2018:BRB

- [3903] K. Alan Shore. Book review: *Berry phases in electronic structure theory*. *Contemporary Physics*, 59(4):434–435, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2018:BRF

- [3904] K. Alan Shore. Book review: *On the future: prospects for humanity*. *Contemporary Physics*, 59(4):435–436, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2018:BRM

- [3905] Thomas Peters. Book review: *A modern introduction to dynamical systems*. *Contemporary Physics*, 59(4):436–437, 2018. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Konrad:2019:QMC

- [3906] Thomas Konrad and Andrew Forbes. Quantum mechanics and classical light. *Contemporary Physics*, 60(1):1–22, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mattila:2019:EBL

- [3907] Kalevi Mattila and Petri Väisänen. Extragalactic background light: inventory of light throughout the cosmic history. *Contemporary Physics*, 60(1):23–44, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Coles:2019:RSE

- [3908] Peter Coles. A revolution in science: the eclipse expeditions of 1919. *Contemporary Physics*, 60(1):45–59, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anel:2019:ERR

- [3909] Juan A. Añel. Essay review: *Reflections on the Scientific Method at the beginning of the twenty-first century*. *Contemporary Physics*, 60(1):60–62, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2019:ERE

- [3910] B. Ishak. Essay review: *The exoplanet handbook*, 2nd edition. *Contemporary Physics*, 60(1):63–65, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2019:ERQ

- [3911] Stephen J. Blundell. Essay review: *Quantum field theory lectures of Sidney Coleman*. *Contemporary Physics*, 60(1):66–68, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2019:BRQ

- [3912] Mario Bertolotti. Book review: *Quantum photonics*. *Contemporary Physics*, 60(1):69, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2019:BRF

- [3913] Peter J. Bussey. Book review: *Facts and mysteries in elementary particle physics*. *Contemporary Physics*, 60(1):69–70, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2019:BRPa

- [3914] Peter J. Bussey. Book review: *A philosophical approach to quantum field theory*. *Contemporary Physics*, 60(1):70–71, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2019:BRH

- [3915] Eric Howard. Book review: *Holographic quantum matter*. *Contemporary Physics*, 60(1):71–72, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2019:BRT

- [3916] Manuel Vogel. Book review: *Theory and experiment in gravitational physics*, 2nd edition. *Contemporary Physics*, 60(1):72, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2019:BR1a

- [3917] Andrew Resnick. Book review: *Introductory quantum physics and relativity*, 2nd edition. *Contemporary Physics*, 60(1):73, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Berkshire:2019:BRB

- [3918] Frank Berkshire. Book review: *A bouquet of Dyson — and other reflections on science and scientists*. *Contemporary Physics*, 60(1):73–74, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Clayton:2019:BRU

- [3919] John D. Clayton. Book review: *Ultracondensed matter by dynamic compression*. *Contemporary Physics*, 60(1):74–75, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2019:BRQa

- [3920] Eric Howard. Book review: *Quantum scaling in many-body systems: an approach to quantum phase transitions*, 2nd edition. *Contemporary Physics*, 60(1):75–76, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

MacKay:2019:BRI

- [3921] Robert Sinclair MacKay. Book review: *Introduction to accelerator dynamics*. *Contemporary Physics*, 60(1):76–77, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2019:BRF

- [3922] Andrew Resnick. Book review: *Fractional calculus: an introduction for physicists*, 3rd edition. *Contemporary Physics*, 60(1):77, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2019:BRH

- [3923] J. Rogel-Salazar. Book review: *Hyperspace*. *Contemporary Physics*, 60(1):77–78, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2019:BRMa

- [3924] Manuel Vogel. Book review: *Marcel Grossmann — for the love of mathematics*. *Contemporary Physics*, 60(1):78–79, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2019:BRI

- [3925] Eric Howard. Book review: *An introduction to quantum theory*. *Contemporary Physics*, 60(1):79, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nicol:2019:BRA

- [3926] Mark Nicol. Book review: *The astronomers' magic envelope: an introduction to astrophysics emphasizing general principles and orders of magnitude*. *Contemporary Physics*, 60(1):80, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Benedict:2019:BRQ

- [3927] Keith A. Benedict. Book review: *Quantum Monte Carlo methods: algorithms for lattice models*. *Contemporary Physics*, 60(1):80–81, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:2019:BRU

- [3928] Robert C. Smith. Book review: *Understanding stellar evolution*. *Contemporary Physics*, 60(1):81–82, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2019:BRSa

- [3929] Miguel A. F. Sanjuán. Book review: *Some critical questions in biological physics: a guided tour around the bugbears*. *Contemporary Physics*, 60(1):82–83, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gururajan:2019:BRS

- [3930] M. P. Gururajan. Book review: *Symmetry Relationships between Crystal Structures: Applications of Crystallographic Group Theory in Crystal Chemistry*. *Contemporary Physics*, 60(1):83–84, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2019:BRGa

- [3931] Salvatore Esposito. Book review: *Galileo unbound — a path across life, the universe and everything*. *Contemporary Physics*, 60(1):84–85, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rosas-Ortiz:2019:BRL

- [3932] Oscar Rosas-Ortiz. Book review: *Lagrangian and Hamiltonian dynamics*. *Contemporary Physics*, 60(1):85–86, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2019:BRsb

- [3933] Miguel A. F. Sanjuán. Book review: *The semiclassical way to dynamics and spectroscopy*. *Contemporary Physics*, 60(1):86–87, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blakely:2019:BRR

- [3934] Jonathan Blakely. Book review: *Review of application-driven quantum and statistical physics, vol. 1: foundations*. *Contemporary Physics*, 60(1):87, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2019:BRM

- [3935] Peter J. Bussey. Book review: *From my vast repertoire ... Guido Altarelli's legacy*. *Contemporary Physics*, 60(1):88, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2019:BRsa

- [3936] B. Ishak. Book review: *A student's guide to Python for physical modeling*. *Contemporary Physics*, 60(1):88–89, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tabish:2019:BRE

- [3937] Tanveer A. Tabish. Book review: *Electron spin interactions in chemistry and biology*. *Contemporary Physics*, 60(1):89, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2019:BRsa

- [3938] Peter J. Bussey. Book review: *The Soviet atomic project: how the Soviet Union obtained the atomic bomb*. *Contemporary Physics*, 60(1):90, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2019:BRF

- [3939] Professor K. Alan Shore. Book review: *Friction at the atomic level*. *Contemporary Physics*, 60(1):90–91, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2019:BRM

- [3940] K. Alan Shore. Book review: *Molecular devices: an introduction to technomimetics and its biological applications*. *Contemporary Physics*, 60(1):91–92, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2019:BRG

- [3941] K. Alan Shore. Book review: *Graphene photonics*. *Contemporary Physics*, 60(1):92–93, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Aczel:2019:BRM

- [3942] Miriam R. Aczel. Book review: *From micro to macro: adventures of a wandering physicist*. *Contemporary Physics*, 60(1):93–94, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bridges:2019:BRA

- [3943] Thomas J. Bridges. Book review: *Analytical mechanics*. *Contemporary Physics*, 60(1):94–95, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2019:BRC

- [3944] Stephen J. Blundell. Book review: *Collective classical and quantum fields*. *Contemporary Physics*, 60(1):95–96, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2019:BRa

- [3945] Peter J. Bussey. Book review: *Einstein for the 21st century. His legacy in science, art and modern culture*, edited by Peter L. Galison, Gerald James Holton, and S. S. (Silvan S.) Schweber, Princeton, NJ, Princeton University Press, 2018, ISBN 978-0-691-17790-8. *Contemporary Physics*, 60(1):96–97, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2019:BRS

- [3946] Stephen H. Ashworth. Book review: *A student's guide to atomic physics*. *Contemporary Physics*, 60(1):97, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Clayton:2019:BRA

- [3947] John D. Clayton. Book review: *Applications of tensor analysis in continuum mechanics*, 1st edition. *Contemporary Physics*, 60(1):97–99, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2019:BRCa

- [3948] Eric Howard. Book review: *Chern–Simons (Super)gravity*. *Contemporary Physics*, 60(1):99–100, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2019:BRW

- [3949] Andrew Resnick. Book review: *The world according to Quantum Mechanics; why the laws of physics make perfect sense after all*, 2nd edition. *Contemporary Physics*, 60(1):100, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2019:BRP

- [3950] Nikolaos E. Myridis. Book review: *Physical perspectives on computation, computational perspectives on physics*. *Contemporary Physics*, 60(1):100–101, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zubair:2019:BRM

- [3951] Muhammad Zubair. Book review: *Medical and biological microwave sensors and systems*. *Contemporary Physics*, 60(1):101–102, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Moya-Cessa:2019:BRT

- [3952] Héctor Manuel Moya-Cessa. Book review: *Theoretical and mathematical physics: problems and solutions*. *Contemporary Physics*, 60(1):102, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Al-Tabbakh:2019:BRP

- [3953] Ahmed A. Al-Tabbakh. Book review: *Principles of electron optics: volume one: basic geometrical optics & volume two: applied geometrical optics*. *Contemporary Physics*, 60(1):103–104, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2019:BRQb

- [3954] Eric Howard. Book review: *Quantum gravity and the functional renormalization group: the road towards asymptotic safety*. *Contemporary*

Physics, 60(1):104–105, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2019:BRsb

- [3955] Peter J. Bussey. Book review: *A student's guide to general relativity/General relativity, a concise introduction*. *Contemporary Physics*, 60(1):105–106, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2019:BRFa

- [3956] Manuel Vogel. Book review: *Fireworks in a dark universe*, by Amir Levinson, London, World Scientific Europe, 2018, 316 pp., £70.00 (hardback), ISBN: 978-1-78634-511-0. *Contemporary Physics*, 60(1):106, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2019:BRP

- [3957] B. Ishak. Book review: *Physics of magnetic flux tubes*, 2nd edition, by M. Ryutova, Switzerland, Springer, 2018, 747 pp., £159.99 (hardback), ISBN: 978-3-319-96360-0. *Contemporary Physics*, 60(1):106–107, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gilmore:2019:BR0

- [3958] Gerry Gilmore. Book review: *Our Cosmic Habitat*. *Contemporary Physics*, 60(1):107–108, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2019:BRG

- [3959] Andrew Resnick. Book review: *Group theory in physics: a practitioner's guide*. *Contemporary Physics*, 60(1):108, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2019:BRG

- [3960] A. H. Harker. Book review: *Group theory in solid state physics and photonics: problem solving with Mathematica*. *Contemporary Physics*, 60(1):108–109, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2019:BRa

- [3961] Peter J. Dobson (retired). Book review: *Applied thermal measurements at the nanoscale: a beginners guide to electrothermal methods*. *Contemporary Physics*, 60(1):109, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2019:BRS

- [3962] A. H. Harker. Book review: *Surface and interfacial forces*, 2nd edition. *Contemporary Physics*, 60(1):109–110, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:2019:SBH

- [3963] Aaron Smith and Volker Bromm. Supermassive black holes in the early universe. *Contemporary Physics*, 60(2):111–126, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Schnack:2019:LMM

- [3964] Jürgen Schnack. Large magnetic molecules and what we learn from them. *Contemporary Physics*, 60(2):127–144, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wise:2019:CR

- [3965] John H. Wise. Cosmic reionisation. *Contemporary Physics*, 60(2):145–163, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mitchison:2019:QTA

- [3966] Mark T. Mitchison. Quantum thermal absorption machines: refrigerators, engines and clocks. *Contemporary Physics*, 60(2):164–187, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rosas-Ortiz:2019:BDU

- [3967] Oscar Rosas-Ortiz. Beyond the dynamical universe. Unifying block universe physics and time as experienced. *Contemporary Physics*, 60(2):188–190, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2019:BS

- [3968] Peter J. Bussey. Believing without seeing? *Contemporary Physics*, 60(2):191–194, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2019:PPQ

- [3969] Peter J. Bussey. Philosophy of physics: quantum theory. *Contemporary Physics*, 60(2):195–196, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2019:IBS

- [3970] B. Ishak. The impact of binary stars on stellar evolution. *Contemporary Physics*, 60(2):196, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2019:PSQ

- [3971] Mario Bertolotti. PT symmetry in quantum and classical physics. *Contemporary Physics*, 60(2):196–197, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Modi:2019:QMB

- [3972] Kavan Modi. Quantum many-body physics in a nutshell. *Contemporary Physics*, 60(2):197, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ooi:2019:BRW

- [3973] Kelvin J. A. Ooi. Book review: *The wonders of physics*, 4th edition. *Contemporary Physics*, 60(2):197–198, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Belsley:2019:BRI

- [3974] Michael Belsley. Book review: *An introduction to quantum physics: a first course for physicists, chemists, materials scientists, and engineers*. *Contemporary Physics*, 60(2):198–199, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2019:BRP

- [3975] Eric Howard. Book review: *Principles of quantum computation and information: a comprehensive textbook*. *Contemporary Physics*, 60(2):199–200, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tabish:2019:BRM

- [3976] Tanveer A. Tabish. Book review: *Memorial volume on Abdus Salam's 90th birthday*. *Contemporary Physics*, 60(2):200–201, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tabish:2019:BRA

- [3977] Tanveer A. Tabish. Book review: *Applied nanophotonics*. *Contemporary Physics*, 60(2):201, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Neukirch:2019:BRM

- [3978] Thomas Neukirch. Book review: *Magnetohydrodynamics of laboratory and astrophysical plasmas*. *Contemporary Physics*, 60(2):202, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2019:BRU

- [3979] R. S. Shorter. Book review: *Understanding lasers: an entry level guide*, 4th ed. *Contemporary Physics*, 60(2):202–203, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lancaster:2019:BRT

- [3980] Tom Lancaster. Book review: *Theoretical fluid mechanics*. *Contemporary Physics*, 60(2):203–204, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2019:BRS

- [3981] Manuel Vogel. Book review: *The story of antimatter: matter's vanished twin*. *Contemporary Physics*, 60(2):204, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2019:BRS

- [3982] Peter V. E. McClintock. Book review: *Size really does matter: the nanotechnology revolution*. *Contemporary Physics*, 60(2):204–205, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gururajan:2019:BRP

- [3983] M. P. Gururajan. Book review: *Principles of thermodynamics*. *Contemporary Physics*, 60(2):205–206, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2019:BRL

- [3984] Stephen J. Blundell. Book review: *The life, science and times of Lev Vasilevich Shubnikov*. *Contemporary Physics*, 60(2):206–207, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tennyson:2019:BRB

- [3985] Jonathan Tennyson. Book review: *A brief history of astronomy and astrophysics*. *Contemporary Physics*, 60(2):207, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Appleby:2019:BRA

- [3986] Robert Appleby. Book review: *Accelerator physics*, 4th edition. *Contemporary Physics*, 60(2):208, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gilmore:2019:BRF

- [3987] Gerard Gilmore. Book review: *The formative years of relativity: the history and meaning of Einstein's Princeton lectures*. *Contemporary Physics*, 60(2):208–209, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Appleby:2019:BRB

- [3988] Rob Appleby. Book review: *Beams and accelerators with MATLAB, (with companion media pack)*. *Contemporary Physics*, 60(2):209, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gilmore:2019:BRG

- [3989] Gerry Gilmore. Book review: *Grand challenges for science in the 21st century*. *Contemporary Physics*, 60(2):210, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Willetts:2019:SCC

- [3990] Katherine Willetts, Lance Farr, and Liberty Foreman. From stellar composition to cancer diagnostics. *Contemporary Physics*, 60(3):211–225, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Roffe:2019:QEC

- [3991] Joschka Roffe. Quantum error correction: an introductory guide. *Contemporary Physics*, 60(3):226–245, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lancaster:2019:SMM

- [3992] Tom Lancaster. Skyrmions in magnetic materials. *Contemporary Physics*, 60(3):246–261, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2019:BR1a

- [3993] B. Ishak. Book review: *Introduction to astrochemistry: chemical evolution from interstellar clouds to star and planet formation*, by Yamamoto

S., Japan, Springer, 2018, 286 pp., £99.99 (hardback), ISBN: 978-4-431-54170-7. *Contemporary Physics*, 60(3):262, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2019:BRMa

- [3994] B. Ishak. Book review: *Mathematics for physicists: introductory concepts and methods*, by A. Altland and J. von Delft, Cambridge, Cambridge University Press, 2019, 720 pp., £39.99 (hardback), ISBN: 978-1-108-47122-0. *Contemporary Physics*, 60(3):262, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2019:BRM

- [3995] Miguel A. F. Sanjuán. Book review: *Mathematical methods in science and engineering*, 2nd edition, by Selçuk S. Bayin, Hoboken, NJ, Wiley, 2018, 864 pp., £125.00 (hardback), ISBN 978-111-9425-39-7. *Contemporary Physics*, 60(3):263, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2019:BRA

- [3996] Miguel A. F. Sanjuán. Book review: *Applied symbolic dynamics and chaos*, 2nd edition, B. Hao and W. Zheng, Singapore, World Scientific, 2018, 500 pp., \$168.00 (hardback), ISBN 978-981-323-642-4. *Contemporary Physics*, 60(3):263–264, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2019:BRMb

- [3997] Manuel Vogel. Book review: *Michelson–Morley experiments — an enigma for physics and the history of science*, by Maurizio Consoli and Alessandro Pluchino, Singapore, World Scientific, 2018, 196 pp., £70.00 (hardback), ISBN: 978-981-3278-18-9. *Contemporary Physics*, 60(3):264–265, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lakshminarayanan:2019:BRB

- [3998] Vasudevan Lakshminarayanan. Book review: *Biophotonics science and technology*, by Yin Yeh and V. V. Krishnan, Singapore, World Scientific, 2018, 292 pp., £95.00 (hardback), ISBN: 978-981-323-568-7. *Contemporary Physics*, 60(3):265–266, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2019:BRR

- [3999] Eric Howard. Book review: *Relativistic quantum mechanics and quantum fields*, 2nd edition, by W. Y. P. Hwang and T.-Y. Wu, Singapore, World

Scientific, 2018, 402 pp., £130.00 (hardback), ISBN 978-981-327-002-2. *Contemporary Physics*, 60(3):266–267, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blakely:2019:BRI

- [4000] Jonathan Blakely. Book review: *An introduction to quantum optics and quantum fluctuations*, by P. W. Milonni, New York, Oxford University Press, 2019, 544 pp., £65.00 (hardback), ISBN: 978-0-19-921561-4. *Contemporary Physics*, 60(3):267–268, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2019:BRMa

- [4001] Eric Howard. Book review: *Modern condensed matter physics*, S. M. Girvin and K. Yang, Cambridge, Cambridge University Press, 2019, 714 pp., £59.99 (hardback), ISBN: 978-1-107-13739-4. *Contemporary Physics*, 60(3):268, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2019:BRCb

- [4002] Eric Howard. Book review: *Classical field theory*, by Horațiu Năstase, Cambridge, Cambridge University Press, 2019, 436 pp., £59.99 (hardback), ISBN: 978-1-108-47701-7. *Contemporary Physics*, 60(3):269, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2019:BRsb

- [4003] B. Ishak. Book review: *Solving Fermi's paradox*, by D. H. Forgan, Cambridge, Cambridge University Press, 2019, 426 pp., £120 (hardback), ISBN: 978-1-107-16365-2. *Contemporary Physics*, 60(3):269–271, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2019:BRC

- [4004] Manuel Vogel. Book review: *Chaos in nature*, 2nd edition, by Christophe Letellier, Singapore, World Scientific, 2019, 436 pp., £130.00 (hardback), ISBN: 978-981-12-0119-6. *Contemporary Physics*, 60(3):271–272, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2019:BRD

- [4005] Peter J. Bussey. Book review: *Do we really understand quantum mechanics?* 2nd edition, by Franck Laloë, Cambridge, Cambridge University Press, 2019, pp. xviii + 530, £44.99 (hardback), ISBN 978-1-108-47700-0. *Contemporary Physics*, 60(3):272–273, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2019:BRO

- [4006] A. H. Harker. Book review: *Optical effects in solids*, by David B. Tanner, Cambridge, Cambridge University Press, 2019, 12 + 400 pp., £64.99 (hardback), ISBN: 978-1-107-16014-9. *Contemporary Physics*, 60(3):273–274, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2019:BRA

- [4007] Peter V. E. McClintock. Book review: *Asteroseismic data analysis: foundations and techniques*, by Sarbani Basu and William J. Chaplin, Princeton, Princeton University Press, 2017, 337 pp., £58.00 (hardback), ISBN: 978-0-691-16292-8. *Contemporary Physics*, 60(3):274, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2019:BRTa

- [4008] Eric Howard. Book review: *Theory of groups and symmetries: Finite groups, Lie groups and Lie algebras*, by A. P. Isaev and V. A. Rubakov, World Scientific, 2019, 458 pp., £121.00 (hardback), ISBN 978-981-323-685-1. *Contemporary Physics*, 60(3):275, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2019:BRS

- [4009] Stephen J. Blundell. Book review: *Solid state physics*, volume 68, edited by R. E. Camley and R. L. Stamps, Cambridge, MA, Academic Press, 2017, 182 pp., £161.50 (hardback), ISBN 978-0-12-811991-4. *Contemporary Physics*, 60(3):275–276, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anel:2019:BRC

- [4010] Juan A. Anel and Alan Robock. Book review: *Crossing the red line: the nuclear option*, by G. E. Marsh, Singapore, World Scientific, 2018, 252 pp., \$68.00, (hardback), ISBN 978-981-3276-82-6. *Contemporary Physics*, 60(3):276, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2019:Ca

- [4011] Anonymous. Correction. *Contemporary Physics*, 60(3):277, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2019:Cb

- [4012] Anonymous. Correction. *Contemporary Physics*, 60(3):278, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tsang:2019:RSQ

- [4013] Mankei Tsang. Resolving starlight: a quantum perspective. *Contemporary Physics*, 60(4):279–298, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Brown:2019:EQM

- [4014] Harvey R. Brown. Everettian quantum mechanics. *Contemporary Physics*, 60(4):299–314, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2019:ERA

- [4015] B. Ishak. Essay review: *The atlas of Mars: mapping its geography and geology*, edited by K. S. Coles, K. L. Tanaka & P. R. Christensen, Cambridge, Cambridge University Press, 2019, 300 pp., £39.99, (hardback) ISBN: 978-1-107-03629-1. *Contemporary Physics*, 60(4):315–317, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2019:BRW

- [4016] Stephen H. Ashworth. Book review: *Waves: a very short introduction*, by Mike Goldsmith, Oxford, Oxford University Press, 2018, £7.99 (paperback), 135 pp., ISBN 978-0-19-890378-9. *Contemporary Physics*, 60(4):318, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2019:BRI

- [4017] Peter V. E. McClintock. Book review: *Introduction to the theory of complex systems*, by Stefan Thurner, Rudolf Hanel and Peter Klimek, Oxford, Oxford University Press, 2018, 431 pp., £49.99 (hardback), ISBN 978-0-19-882193-9. *Contemporary Physics*, 60(4):318–319, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2019:BRPb

- [4018] Peter J. Bussey. Book review: *Particles, fields and forces*, by Wouter Schmitz, Switzerland, Springer, 2019, xi + 322 pp., £59.99 (hardback), ISBN 978-3-030-12877-7. *Contemporary Physics*, 60(4):319–320, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2019:BRD

- [4019] Thomas Peters. Book review: *Data-driven science and engineering: machine learning, dynamical systems, and control*, by S. L. Brunton and J. N. Kutz, 2019, Cambridge, Cambridge University Press, 472 pp., £49.99 (hardback), ISBN 978-1-108-42209-3. *Contemporary Physics*, 60

(4):320, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2019:BR1b

- [4020] Andrew Resnick. Book review: *Imaging optics*, by J. Braat and P. Török, Cambridge, Cambridge University Press, 2019, 984 pp., £79.99 (hardback), ISBN 978-1-108-42808-8. *Contemporary Physics*, 60(4):321, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2019:BRQ

- [4021] A. H. Harker. Book review: *Quantum theory of materials*, by E. Kaxiras and J. D. Joannopoulos, Cambridge, UK, Cambridge University Press, 2019, 653 pp., £64.99 (hardback), ISBN 978-052-1117-11-1. *Contemporary Physics*, 60(4):321–322, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2019:BR1c

- [4022] Andrew Resnick. Book review: *Introductory quantum mechanics with MATLAB for atoms, molecules, clusters and nanocrystals*, by J. R. Chelikowsky, Weinheim, Wiley-VCH Verlag GmbH & Co. KGaA, 2018, 224 pp., £70.00 (paperback), ISBN: 978-3-527-40926-6. *Contemporary Physics*, 60(4):322, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2019:BRN

- [4023] Manuel Vogel. Book review: *No shadow of a doubt*, by D. Kennefick, Princeton, Princeton University Press, 2019, 416 pp., £24.00 (hardcover), ISBN 978-0-691-18386-2. *Contemporary Physics*, 60(4):322–323, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2019:BR1b

- [4024] Eric Howard. Book review: *Topology and physics*, by C. N. Yang, M. L. Ge and Y. H. He, Singapore, World Scientific, 2019, 232 pp., \$28.00 (paperback), ISBN 978-981-327-850-9. *Contemporary Physics*, 60(4):323–324, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2019:BR1a

- [4025] Eric Howard. Book review: *Antimatter*, Frank Close, Oxford, Oxford University Press, 2018, 166 pp., £8.99 (paperback), ISBN 978-0-19-883191-4. *Contemporary Physics*, 60(4):324–325, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gururajan:2019:BRT

- [4026] M. P. Gururajan. Book review: *Thermodynamics: fundamentals and engineering applications*, by W. C. Reynolds and P. Colonna, Cambridge, Cambridge University Press, 2018, 401 pp., £84.99 (hardback), ISBN: 978-0-521-86273-8. *Contemporary Physics*, 60(4):325, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Caruso:2019:BRN

- [4027] Francisco Caruso. Book review: *Newton the alchemist: science, enigma, and the quest for nature's 'secret fire'*, by William R. Newman, Princeton and Oxford, Princeton University Press, 2019, 560 pp., US\$159 or £30 (hardcover), ISBN 978-0-691-17487-7. *Contemporary Physics*, 60(4):326–327, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2019:BRT

- [4028] Peter J. Bussey. Book review: *TASI: 2016, anticipating the next discoveries in particle physics*, edited by Rouven Essig and Ian Low, Singapore, World Scientific, 2018, 623 pp., £175.00 (hardback), ISBN 978-981-3233-331. *Contemporary Physics*, 60(4):327–328, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2019:BRSa

- [4029] Eric Howard. Book review: *String fields, higher spins and number theory*, by Polyakov Dimitri, Singapore, World Scientific, 2018, 170 pp., \$88.00 (hardcover), ISBN 978-981-3233-39-3. *Contemporary Physics*, 60(4):328–329, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2019:BRGb

- [4030] Salvatore Esposito. Book review: *George Placzek — a nuclear physicist's Odyssey*, by A. Gottvald and M. Shifman, Singapore, World Scientific, 2018, 369 pp., £85.00 (hardback), ISBN 978-981-323-691-2. *Contemporary Physics*, 60(4):329–330, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2019:BRE

- [4031] B. Ishak. Book review: *Encyclopedic atlas of terrestrial impact craters*, edited by E. Flamini, M. Di Martino and A. Coletta, Cham, Springer, 2019, 691 pp., £149.99 (hardback), ISBN: 978-3-030-05449-6. *Contemporary Physics*, 60(4):330, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2019:BRR

- [4032] Stephen J. Blundell. Book review: *A review of modern ophthalmic optics*, edited by José Alonso, José A. Gómez-Pedrero and Juan A. Quiroga, Cambridge, Cambridge University Press, 2019, 546 pp., £65 (hardback), ISBN 978-1-107-11074-8. *Contemporary Physics*, 60(4):330–331, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2019:BRFb

- [4033] Manuel Vogel. Book review: *Formation of the first black holes*, edited by M. Latif and D. Schleicher, Singapore, World Scientific, 2019, 365 pp., £105.00 (hardback), ISBN: 978-981-322-794-1. *Contemporary Physics*, 60(4):331–332, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tabish:2019:BRI

- [4034] Tanveer A. Tabish. Book review: *Introductory physics for biological scientists*, by Christof M. Aegerter, Cambridge, Cambridge University Press, 2018, 451 pp., £54.99 (paperback), ISBN: 978-1-108-46650-9. *Contemporary Physics*, 60(4):332, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bridges:2019:BRC

- [4035] Thomas J. Bridges. Book review: *Classical field theory*, by Joel Franklin, Cambridge, UK, Cambridge University Press, 2017, 216 pp., £49.85 (hardback), ISBN 978-1-107-18961-4. *Contemporary Physics*, 60(4):332–333, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2019:BRId

- [4036] Andrew Resnick. Book review: *An introduction to general relativity: spacetime and geometry*, by S. Carroll, Cambridge, Cambridge University Press, 2019, 513 pp., £49.99 (hardback), ISBN 978-110-8488-39-6. *Contemporary Physics*, 60(4):333–334, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2019:BRFa

- [4037] B. Ishak. Book review: *Finding our place in the solar system: the scientific story of the Copernican revolution*, by T. Timberlake and P. Wallace, Cambridge, Cambridge University Press, 2019, 378 pp., £29.99 (hardback), ISBN 978-1-107-18229-5. *Contemporary Physics*, 60(4):334, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blakely:2019:BRE

- [4038] Jonathan Blakely. Book review: *Electromagnetic radiation*, by R. R. Freeman, J. A. King, and G. P. Lafyatis, 2019, Oxford, UK, Oxford University Press, 640 pp., £50.00 (hardback), ISBN 978-019-8726-50-0. *Contemporary Physics*, 60(4):334–335, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2019:BRE

- [4039] Manuel Vogel. Book review: *Exploring planetary climate*, by R. D. Lorenz, Cambridge, Cambridge University Press, 2019, 320 pp., £42.99 (hardback), ISBN 978-1-108-47154-1. *Contemporary Physics*, 60(4):335, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2019:BR1b

- [4040] B. Ishak. Book review: *An introduction to radio astronomy*, 4th edition, by B. F. Burke, F. Graham-Smith and P. N. Wilkinson, Cambridge, Cambridge University Press, 2019, 540 pp., £59.99 (hardback), ISBN 978-1-107-18941-6. *Contemporary Physics*, 60(4):335–336, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2019:BRQ

- [4041] Eric Howard. Book review: *Quantum fields: from the Hubble to the Planck Scale*, by M. Kachelriess, Oxford, Oxford University Press, 2017, 544 pp., £55 (hardback), ISBN 978-019-8802-87-7. *Contemporary Physics*, 60(4):336, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2019:BRS

- [4042] B. Ishak. Book review: *Saturn in the 21st century*, by K. H. Baines, F. M. Flaser, N. Krupp and T. Stallard, Cambridge, Cambridge University Press, 2018, 448 pp., £120.00 (hardback), ISBN 978-110-7106-77-2. *Contemporary Physics*, 60(4):337, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2019:BRN

- [4043] Eric Howard. Book review: *Nonlocal gravity*, by B. Mashoon, Oxford, Oxford University Press, 2017, 256 pp., £65 (hardback), ISBN 978-019-8803-80-5. *Contemporary Physics*, 60(4):337–338, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2019:BRsB

- [4044] Eric Howard. Book review: *Scalar field cosmology*, by Chervon, S., Fomin, I., Yurov, V., Yurov, A., Singapore, World Scientific, 2019, 263 pp., £85.00 (hardback), ISBN 978-981-12-0507-1. *Contemporary Physics*, 60(4):338–339, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2019:BRbE

- [4045] Peter J. Bussey. Book review: *Elementary particle physics, an intuitive introduction*, by Andrew J. Larkoski, Cambridge, Cambridge University Press, 2019, xx + 488 pp., £45 (hardback), ISBN 978-1-108-49698-8. *Contemporary Physics*, 60(4):339, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2019:BRMb

- [4046] Eric Howard. Book review: *Magnetism and magnetic materials*, by J. M. D. Coey, Cambridge, Cambridge University Press, 2018, 617 pp., £59.99 (paperback), ISBN 978-1-108-71751-9. *Contemporary Physics*, 60(4):339–340, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2019:BRFb

- [4047] B. Ishak. Book review: *Feynman and his physics: the life and science of an extraordinary man*, by Jörg Resag, Cham, Springer, 2018, 319 pp., £24.99 (hardback), ISBN: 978-3-319-96835-3. *Contemporary Physics*, 60(4):340–341, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2019:BRMb

- [4048] B. Ishak. Book review: *Mercury: the view after MESSENGER*, edited by S. C. Solomon, L. R. Nittler and B. J. Anderson, Cambridge, Cambridge University Press, 2018, 583 pp., £42.99 (hardback), ISBN: 978-1-107-15445-2. *Contemporary Physics*, 60(4):341, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

MacKay:2020:SES

- [4049] R. S. MacKay. Sustainable energy storage — with hot air, or cold air or liquid air. *Contemporary Physics*, 61(1):1–11, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hu:2020:SVP

- [4050] Huayu Hu. Seed and vacuum pair production in strong laser field. *Contemporary Physics*, 61(1):12–25, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lewalle:2020:MFT

- [4051] Philippe Lewalle, Sreenath K. Manikandan, Cyril Elouard, and Andrew N. Jordan. Measuring fluorescence to track a quantum emitter's state: a theory review. *Contemporary Physics*, 61(1):26–50, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gururajan:2020:BRS

- [4052] M. P. Gururajan. Book review: *Statistical thermodynamics: an engineering approach*, by J. W. Daily, Cambridge, Cambridge University Press, 2019, 263 pages, £72.99 (Hardback), ISBN: 978-1-108-41531-6. Scope: textbook. Level: postgraduate, early career researcher. *Contemporary Physics*, 61(1):51, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2020:BRP

- [4053] Andrew Resnick. Book review: *Parameter estimation and inverse problems*, 3rd edition. R. C. Aster, B. Borchers and C. H. Thurber, Cambridge, Elsevier, 2019, 404 pp., £76.95 (paperback), ISBN: 978-0-12-804651-7. Scope: monograph. Level: advanced undergraduate, postgraduate. *Contemporary Physics*, 61(1):51–52, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2020:BRA

- [4054] Andrew Resnick. Book review: *Airless bodies of the inner solar system*, by J. A. Grier, A. S. Rivkin, Cambridge, Elsevier, 2018, 283 pp., £76.95 (Paperback), ISBN 978-0-12-809279-8. Scope: monograph. Level: postgraduate, advanced undergraduate, early career researcher, teacher, scientist. *Contemporary Physics*, 61(1):52–53, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2020:BRP

- [4055] Stephen J. Blundell. Book review: *Phase transitions for beginners*, by S. M. Stishov, Singapore, World Scientific, 2018, 152 pp., £40 (hardback), ISBN: 978-981-327-417-4. Scope: textbook. Level: postgraduate. *Contemporary Physics*, 61(1):53, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2020:BRG

- [4056] Stephen J. Blundell. Book review: *Group theory for physicists*, 2nd edition, by Z. Ma, Singapore, World Scientific, 2019, 655 pp., £115.00 (hardback), ISBN: 978-981-327-738-0. Scope: monograph. Level: researcher. *Contemporary Physics*, 61(1):53–54, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anel:2020:BRS

- [4057] Juan A. Añel. Book review: *Selling science: how to use business skills to win support for scientific research*, by Steven Judge and Richard Lucas, London, World Scientific, 2019, 98pp, £40.00 (hardback), ISBN 978-1-78634-572-1. Scope: general interest. Level: general readership. *Contemporary Physics*, 61(1):54, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2020:BRMa

- [4058] Manuel Vogel. Book review: *Meteoroids: sources of meteors on Earth and beyond*, dited by Galina O. Ryabova, David J. Asher, and Margaret D. Campbell-Brown, Cambridge, Cambridge University Press, 2019, 318 pp., £110 (hardback), ISBN: 978-110-8426-71-8. Scope: edited book. Level: advanced undergraduates, postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 61(1): 54–55, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Taylor:2020:BRM

- [4059] Fred Taylor. Book review: *Mysteries of Mars*, by F. V. De Blasio, Berlin, Springer-Praxis, 2019, 189 pp., £22.99 (paperback), ISBN: 978-3-319-74783-5. Scope: monograph. Level: general. *Contemporary Physics*, 61(1):55, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ali:2020:BRL

- [4060] Muhammad Mahmood Ali. Book review: *Lightwave communications*, by G. C. Papen and R. Blahut, Cambridge, Cambridge University Press, 2019, 970 pp., £79.99 (hardback), ISBN 978-1-108-42756-2. Scope: review, monograph, handbook, guide, textbook. Level: advanced undergraduate, postgraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 61(1):55–56, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Clayton:2020:BRT

- [4061] John D. Clayton. Book review: *Tensor-valued random fields for continuum physics*, 1st edition, by Anatoliy Malyarenko and Martin Ostoj-Starzewski, Cambridge Monographs on Mathematical Physics, Cambridge, Cambridge University Press, 2019, 310 pp., \$145 USD (hardback), ISBN 978-1-108-42985-6. Scope: monograph. Level: postgraduate, specialist. *Contemporary Physics*, 61(1):56–58, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2020:BR1a

- [4062] Stephen H. Ashworth. Book review: *Introduction to electricity and magnetism*, by J. D. Walecka, Singapore, World Scientific, 2018, 272 pp., £75 (hardback), ISBN: 978-981-327-206-4, Scope: review. Level: undergraduate. Specialist. *Contemporary Physics*, 61(1):58–59, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2020:BRL

- [4063] K. Alan Shore. Book review: *Lectures on astrophysics*, by S. Weinberg, Cambridge, Cambridge University Press, 2020, 226 pp., £34.99 (hardback), ISBN 978-1-108-41507-1. Scope: textbook. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 61(1):59–60, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2020:BRG

- [4064] K. Alan Shore. Book review: *Gravity! The quest for gravitational waves*, by Pierre Binétruy, Oxford, Oxford University Press, 2018, 245 pp., 19.99 (hardback), ISBN: 978-0-19-879651-0. Scope: monograph. Level: general readership. *Contemporary Physics*, 61(1):60–61, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2020:BRC

- [4065] K. Alan Shore. Book review: *Cosmic discovery: the search, scope and heritage of astronomy*, by M. Harwit, Cambridge, Cambridge University Press, 2019, 348 pp., £34.99 (paperback), ISBN: 978-1-108-72204-9. Scope: monograph. Level: general readership. *Contemporary Physics*, 61(1):61–62, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Scali:2020:BRI

- [4066] Stefano Scali. Book review: *Introduction to quantum mechanics*, 3rd edition, by D.J. Griffiths and D.F. Schroeter, Cambridge, Cambridge

University Press, 2018, 495 pp., £54.99 (hardback), ISBN: 978-1-107-18963-8. Scope: textbook. Level: undergraduate, advanced undergraduate. *Contemporary Physics*, 61(1):62, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2020:BRN

- [4067] Manuel Vogel. Book review: *New perspectives on Einstein's $E = mc^2$* , World scientific, by Y. S. Kim and M. E. Noz, Singapore, World Scientific, 2018, 200 pp., \$78.00 (hardback), ISBN 978-981-3237-70-4. Scope: monograph. Level: researcher, specialist, scientist. *Contemporary Physics*, 61(1):62–63, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2020:BRP

- [4068] Eric Howard. Book review: *Physics on Ultracold quantum gases*, by Y. Han, W. Yi and W. Zhang, Singapore, World Scientific, 2018, 288, \$98.00 (Hardback), ISBN: 978-981-327-075-6. Scope: review. Level: postgraduate, early career researcher, researcher, specialist, scientist, engineers. *Contemporary Physics*, 61(1):63–64, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2020:BRS

- [4069] Peter J. Bussey. Book review: *Schrödinger's mechanics: interpretation*, by D. B. Cook, Singapore, World Scientific, 2019, 196 pp., £69 (hardback), ISBN: 978-1-78634-490-8. Scope: monograph; Level: specialist. *Contemporary Physics*, 61(1):64, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Scali:2020:BRG

- [4070] Stefano Scali. Book review: *A guide to mathematical methods for physicists — advanced topics and applications*, by M. Petrini, G. Pradisi, A. Zaffaroni, London, World Scientific, 2018, 308 pp., \$48.00 (paperback), ISBN 978-1-78634-704-6. Scope: textbook. Level: advanced undergraduate, postgraduate. *Contemporary Physics*, 61(1):64–65, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2020:BRV

- [4071] Miguel A. F. Sanjuán. Book review: *Vibrations*, 3rd edition, by Balakumar Balachandran and Edward B. Magrab, Cambridge, UK, Cambridge University Press, 2018, 723 pp., £87.99 (hardback), ISBN: 978-1-108-42731-9. Scope: textbook, reference. Level: undergraduate, advanced undergraduate, postgraduate, teacher, engineers. *Contemporary Physics*,

61(1):65–66, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gururajan:2020:BRM

- [4072] M. P. Gururajan. Book review: *A modern course in transport phenomena*, by D. C. Venerus and H. C. Öttinger, Cambridge, UK, Cambridge University Press, 2018, 508 pp., £74.99 (hardback), ISBN 978-1-107-12920-7. Scope: reference, textbook. Level: advanced undergraduate, postgraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 61(1):66–67, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2020:BRN

- [4073] Peter J. Bussey. Book review: *Niels Bohr: a very short introduction*, by J. L. Heilbron, Oxford, Oxford University Press, 2020, 160 pp., \$11.95 (paperback), ISBN 978-0-19-881926-4. Scope: general interest, biography. Level: scientist. *Contemporary Physics*, 61(1):67–68, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milburn:2020:TC

- [4074] G. J. Milburn. The thermodynamics of clocks. *Contemporary Physics*, 61(2):69–95, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Powell:2020:EPG

- [4075] Ben J. Powell. Emergent particles and gauge fields in quantum matter. *Contemporary Physics*, 61(2):96–131, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lahav:2020:DEI

- [4076] Ofer Lahav. Dark energy: is it ‘just’ Einstein’s cosmological constant Λ ? *Contemporary Physics*, 61(2):132–145, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Scali:2020:BRP

- [4077] Stefano Scali. Book review: *Physical mathematics*, 2nd edition, by Kevin Cahill, Cambridge, UK, Cambridge University Press, 2019, 757 pp., £64.99 (hardback), ISBN 978-1-108-47003-2. Scope: textbook. Level: undergraduate, advanced undergraduate, postgraduate, researcher. *Contemporary Physics*, 61(2):146, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ali:2020:BRE

- [4078] Muhammad Mahmood Ali. Book review: *Experimental methods for science and engineering students: an introduction to the analysis and presentation of data*, 2nd edition. L. Kirkup, Cambridge, Cambridge University Press, 2019, 239 pp., £37.99 (hardback), ISBN: 978-1-108-41846-1. Scope: monograph, handbook, guide, textbook. Level: undergraduate, postgraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 61(2):146–147, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2020:BRX

- [4079] Andrew Resnick. Book review: “*X-ray Microscopy*”, by Chris Jacobsen, Cambridge, UK, Cambridge University Press, University Printing House, 2020, \$135, 579 pp., ISBN: 978-1-107-07657-0. Scope: Monograph. Level: advanced undergraduate student, graduate student. *Contemporary Physics*, 61(2):147–148, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2020:BRW

- [4080] Andrew Resnick. Book review: *Waves and rays in seismology: answers to unasked questions*, 2nd edition, by Michael A. Slawinski, Singapore, World Scientific, 2018, 576 pp., £140 (hardback), ISBN: 978-981-3239-87-6. Scope: monograph. Level: advanced undergraduate, postgraduate. *Contemporary Physics*, 61(2):148, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2020:BRI

- [4081] A. H. Harker. Book review: *Introduction to graphene-based nanomaterials: from electronic structure to quantum transport*, 2nd edition, by Luis E. F. Foa Torres, Stephan Roche and Jean-Christophe Charlier, Cambridge, UK, Cambridge University Press, 2020, 15pp. + 461pp., £74.99 (hardback), ISBN: 978-1-108-47699-7. Scope: textbook. Level: early stage researcher, postgraduate. *Contemporary Physics*, 61(2):149, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barber:2020:BRC

- [4082] David C. Barber. Book review: *The cosmic mystery tour*, by N. Mee, Oxford, Oxford University Press, 2019, 207 pp., £16.99 (hardback), ISBN: 978-019-8831-86-0. Scope: review. Level: general readership. *Contemporary Physics*, 61(2):149–150, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2020:BRE

- [4083] Andrew Resnick. Book review: *The essence of crystallography*, by Mark Ladd, Singapore, World Scientific, 2020, 532 pp., £105 (hardback), ISBN: 978-178-6346315. Level: advanced undergraduate, postgraduate, early career researcher. Scope: textbook. *Contemporary Physics*, 61(2):150, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2020:BRP

- [4084] Salvatore Esposito. Book review: *Physics problems for aspiring physical scientists and engineers*, by K. Riley, Cambridge, UK, Cambridge University Press, 2019, 335 pp., £24.99 (paperback), ISBN: 978-1-1087-0130-3. Scope: reference. Level: pre-university, undergraduate, teacher. *Contemporary Physics*, 61(2):150–151, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2020:BRL

- [4085] Eric Howard. Book review: *Lectures on the infrared structure of gravity and gauge theory*, by A. Strominger, Princeton, New Jersey, Princeton University Press, 2018, 200 pp., £41.95 (Paperback), ISBN 978-0-691-17973-5. Scope: review. Level: postgraduate, early career researcher, researcher, scientist. *Contemporary Physics*, 61(2):151–152, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2020:BRC

- [4086] R. S. Shorter. Book review: *Competitive physics: mechanics and waves*, by J. Wang and B. Ricardo, Singapore, World Scientific, 2018, 832 pp., \$68.00 (paperback), ISBN: 978-981-323-518-2. Scope: general interest, textbook. Level: general readership, pre-university, undergraduate. *Contemporary Physics*, 61(2):152–153, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Millen:2020:QEM

- [4087] James Millen and Benjamin A. Stickler. Quantum experiments with microscale particles. *Contemporary Physics*, 61(3):155–168, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vincent:2020:IDD

- [4088] U. E. Vincent and O. Kolebaje. Introduction to the dynamics of driven nonlinear systems. *Contemporary Physics*, 61(3):169–192, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nurgalieva:2020:TQT

- [4089] Nuriya Nurgalieva and Renato Renner. Testing quantum theory with thought experiments. *Contemporary Physics*, 61(3):193–216, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2020:BRR

- [4090] B. Ishak. Book review: *Red Dwarfs: their geological, chemical, and biological potential for life* (2nd ed.). *Contemporary Physics*, 61(3):217, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2020:BRSa

- [4091] B. Ishak. Book review: *Star maps: history, artistry, and cartography*, 3rd edition, by N. Kanas, Switzerland, Springer, 2019, 563 pp, £39.99 (hardback), ISBN 978-3-030-13612-3. *Contemporary Physics*, 61(3):217, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2020:BRP

- [4092] R. S. Shorter. Book review: *Principles of optics*, 7th edition — 60th anniversary edition, by M. Born and E. Wolf, Cambridge, Cambridge University Press, 2019, 992 pp., £54.99 (hardback), ISBN: 978-1-108-47743-7. *Contemporary Physics*, 61(3):217–218, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2020:BRQ

- [4093] Nikolaos E. Myridis. Book review: *Quantum concepts in the social, ecological and biological sciences*, by F. Bagarello, Cambridge, Cambridge University Press, 2019, 300 pp., £59.99 (hardback), ISBN: 978-1-108-49212-6. *Contemporary Physics*, 61(3):218–219, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shiroka:2020:BRT

- [4094] Toni Shiroka. Book review: *Thermodynamics of magnetizing materials and superconductors*, by Vladimir Kozhevnikov, Boca Raton, CRC Press, 2019, 133 pp., £50.00 (hardback), ISBN: 978-1-138-49993-5. *Contemporary Physics*, 61(3):219–220, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shiroka:2020:BRA

- [4095] Toni Shiroka. Book review: *Application-driven quantum and statistical physics: a short course for future scientists and engineers, volume 2: equilibrium*, by J. M. Gillet, London, World Scientific, 2019, 314 pp., \$45.00 (paperback), ISBN: 978-178-6347-03-9. *Contemporary Physics*,

61(3):220–221, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shiroka:2020:BRI

- [4096] Toni Shiroka. Book review: *Introduction to solid state physics*, by A. Aharony and O. Entin-Wohlman, Singapore, World Scientific, 2018, 640 pp., \$148.00 (hardback), ISBN: 978-981-3272-24-8. *Contemporary Physics*, 61(3):221–222, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

MacKay:2020:BRM

- [4097] Robert S. MacKay. Book review: *Modern thermodynamics for chemists and biochemists*, by D. Sherwood and P. Dalby, Oxford, Oxford University Press, 2018, 912 pp., £45 (paperback), ISBN: 978-0-19-878470-8. *Contemporary Physics*, 61(3):222–223, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2020:BRT

- [4098] Eric Howard. Book review: *Topological phase transitions and new developments*, by Lars Brink, Mike Gunn, Jorge V Jose, John Michael Kosterlitz and Kok Khoo Phua, Singapore, World Scientific, 2018, 264 pp., \$78.00 (hardback), ISBN: 978-981-327-133-3. *Contemporary Physics*, 61(3):224, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2020:BRC

- [4099] Nikolaos E. Myridis. Book review: *Complexity science: an introduction*, edited by M. A. Peletier, R. A. van Santen, and E. Steur, Singapore, World Scientific, 2019, 428 pp., £120.00 (hardback), ISBN 978-981-323-959-3. *Contemporary Physics*, 61(3):224–226, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Caruso:2020:BRE

- [4100] Francisco Caruso. Book review: *Ether and modernity*, edited by J. Navarro, Oxford, UK, Oxford University Press, 2018, 272 pp., £65.00 (hardback), ISBN 978-0-19-879725-8. *Contemporary Physics*, 61(3):226–227, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McIver:2020:DGW

- [4101] Jess McIver and D. H. Shoemaker. Discovering gravitational waves with Advanced LIGO. *Contemporary Physics*, 61(4):229–255, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

White:2020:HCD

- [4102] D. R. White. Hot and cold: defining and measuring temperature. *Contemporary Physics*, 61(4):256–276, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Campugan:2020:OMS

- [4103] Carl A. Campugan, Kylie R. Dunning, and Kishan Dholakia. Optical manipulation: a step change for biomedical science. *Contemporary Physics*, 61(4):277–294, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

delaTorre:2020:CBE

- [4104] Laura de la Torre and Juan A. Añel. Connections between the earth's atmosphere and its magnetosphere. *Contemporary Physics*, 61(4):295–297, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2020:BRsb

- [4105] B. Ishak. Book review: *A student's guide to the Schrödinger equation*, by Daniel A. Fleisch, Cambridge University Press, 2020, \$24.99 (Paperback), ISBN 978-1-108-81978-7. Scope: guide, textbook. Level: advanced undergraduate. *Contemporary Physics*, 61(4):298, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ali:2020:BRP

- [4106] Muhammad Mahmood Ali and Gabriel Leen. Book review: *From photons to atoms: the electromagnetic nature of matter*, by D. Funaro, Singapore, World Scientific Publishing Co. Pte. Ltd., 2019, 296 pp., £95.00 (hardback), ISBN: 978-981-12-0423-4. Scope: reference, monograph, general interest. Level: postgraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 61(4):298–299, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

MacKay:2020:BRP

- [4107] Robert S. MacKay. Book review: *The physics of gamma-ray bursts*, by Bing Zhang, Cambridge, Cambridge University Press, 2019, 579 pp., \$79.99 (hardback), ISBN 978-1-107-02761-9. Scope: monograph, Level: researchers. *Contemporary Physics*, 61(4):299–300, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2020:BRM

- [4108] Eric Howard. Book review: *Modified gravity: progresses and outlook of theories, numerical techniques and observational tests*, edited by Baojiu Li and Kazuya Koyama, Singapore, World Scientific, 2019, 313 pp., \$98 (hardback), ISBN: 978-981-327-399-3. Scope: review. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 61(4):300–301, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tennyson:2020:BRC

- [4109] Jonathan Tennyson. Book review: *The crowd & the cosmos: adventures in the Zooniverse*, by C. Lintott, Oxford, Oxford University Press, 2019, 265 pp., £20 (hardback), ISBN: 978-0-19-884222-4. Scope: general interest. Level: general readership. *Contemporary Physics*, 61(4):301–302, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2020:BRIB

- [4110] Stephen H. Ashworth. Book review: *The iodine molecule: insights into intra- and intermolecular perturbation in diatomic molecules*, by S. Lukashov, A. Petrov, and A. Pravirov, Cham, Springer, 2018, 199 pp., £74.99 (hardback), ISBN: 978-3-319-70071-7. Scope: review. Level: researcher. Specialist. Scientist. *Contemporary Physics*, 61(4):302–303, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wang:2020:BRM

- [4111] Chih-Yueh Wang. Book review: *Measurements, mechanisms, and models of heat transport*, by A. M. Hofmeister, Elsevier, 2018, 440 pp., £65.41 (paperback), ISBN 978-0-12-809981-0. Scope: monograph. Level: postgraduate, researcher, scientist. *Contemporary Physics*, 61(4):303–304, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2020:BRaA

- [4112] David J. Miller. Book review: *Astronomical spectroscopy: an introduction to the atomic and molecular physics of astronomical spectroscopy*, by J. Tennyson, Singapore, World Scientific, 2019, 264 pp., £33.00 (paperback), ISBN 978-1-78634-707-7. Scope: textbook. Level: undergraduate. *Contemporary Physics*, 61(4):304, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Caruso:2020:BRM

- [4113] Francisco Caruso. Book review: *The Majorana Case: letters, documents, testimonies*, by Erasmo Recami, Singapore, World Scientific, 2020, 400 pp., £29.90 (paperback), ISBN 978-981-12-0769-3. Scope: book, general interest. Level: undergraduate, advanced undergraduate, postgraduate, early career research, historian of science, teacher, and specialist. *Contemporary Physics*, 61(4):304–305, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2020:BRAb

- [4114] David J. Miller. Book review: *About stars: their formation, evolution, compositions, locations and companions*, by Michael M. Woolfson, Singapore, World Scientific, 2019, \$78/£75 (hardback), \$38/£35 (paperback), ISBN 978-1-78634-712-1 (hardback), 978-1-78634-725-1 (paperback). Scope: textbook, with problems and specimen answers. Level: Physics or Astronomy students or professionals. *Contemporary Physics*, 61(4):305–307, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2020:BRSa

- [4115] David J. Miller. Book review: *The sun today*, by Claudio Vita-Finzi, Cham, Switzerland, Springer, 2018, 111 pp., £9.99 (paperback), ISBN 978-3-030-04078-9. Scope: general interest. Level: general readership. *Contemporary Physics*, 61(4):307, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2020:BRMb

- [4116] Manuel Vogel. Book review: *Molecules in electromagnetic fields: from ultracold physics to controlled chemistry*, by R. V. Krems, New York, Wiley, 2018, 384 pp., £110.00 (hardback), ISBN: 978-1-118-17361-9. Scope: monograph. Level: postgraduate, researcher, scientist. *Contemporary Physics*, 61(4):307–308, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2020:BRsb

- [4117] David J. Miller. Book review: *Stephen Hawking: a memoir of friendship and physics*, by Leonard Mlodinow, New York, Allen Lane, 2020, 240 pp., £20.00 (Hardback), ISBN: 978-0-241-41113-1. Scope: biography, with added science. Level: general readers, undergraduates, high school students. *Contemporary Physics*, 61(4):308–309, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cassidy:2020:BRI

- [4118] David Cassidy. Book review: *An introduction to cold and ultracold chemistry: atoms, molecules, ions and Rydbergs*, by Jesús Pérez Ríos, Cham, Springer, 2020, 267 pp., £59.99 (E-Book), ISBN: 978-3-030-55936-6. Scope: text book. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 61(4):309–310, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2020:BRS

- [4119] Eric Howard. Book review: *Synthetic spin-orbit coupling in cold atoms*, edited by Wei Zhang, Wei Li and Carlos A. R. Sá Melo, Singapore, World Scientific, 2018, 308 pp., £84.10 (hardback), ISBN: 978-981-327-252-1. Scope: review. Level: early career researcher, researcher. *Contemporary Physics*, 61(4):310, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ali:2020:BRC

- [4120] Muhammad Mahmood Ali. Book review: *Computational acoustics: theory and implementation*, by D. R. Bergman, Hoboken, NJ, Wiley, 2018, 296 pp., £99.95 (hardcover), ISBN: 978-1-119-27728-6. Scope: reference, guide, general interest, textbook. Level: advanced undergraduate, postgraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 61(4):310–311, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pospisil:2020:BRP

- [4121] Christina Pospisil. Book review: *Principles of space-time-matter: cosmology, particles and waves in five dimensions*, by P. S. Wesson and J. M. Overduin, Singapore, World Scientific, 2019, 262 pp., £85.00 (Hardback), ISBN: 978-981-323-577-9. Scope: review. Level: early career researcher. *Contemporary Physics*, 61(4):311–312, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2020:BRE

- [4122] Matt Probert. Book review: *Electronic structure: basic theory and practical methods*, 2nd edition, by Richard M. Martin, Cambridge, Cambridge University Press, 2020, £64.99, ISBN 978-1-108-42990-0. Level: postgraduate, early career researcher, researcher. Scope: reference text. *Contemporary Physics*, 61(4):312, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2020:BRO

- [4123] Peter J. Bussey. Book review: *Origin and evolution of the universe. From Big Bang to exobiology*, 2nd edition, edited by M. A. Malkan and B. Zuckerman, Singapore, World Scientific, 2020, xiv + 232 pp., £75 (hardback), £30 (softback), ISBN 978-981-12-0645-0. Level: undergraduate, teacher. Scope: guide, edited book. *Contemporary Physics*, 61(4): 312–313, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lukishova:2021:IRP

- [4124] Svetlana G. Lukishova, Anatoly V. Masalov, and Victor N. Zadkov. Icons of Russian physics: From the Lebedev Scientific School in Physics to the Lebedev Physical Institute. *Contemporary Physics*, 62(1):1–13, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rose:2021:ADA

- [4125] S. J. Rose and P. W. Hatfield. Astronomy domine: advancing science with a burning plasma. *Contemporary Physics*, 62(1):14–23, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

English:2021:DTF

- [4126] Elizabeth Laier English, Ali Ashkhasi, and Peter Whibberley. Distributing time by fibre. *Contemporary Physics*, 62(1):24–38, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2021:MPP

- [4127] Peter J. Bussey. Multiverse — physics or philosophy? *Contemporary Physics*, 62(1):39–41, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wang:2021:PMP

- [4128] Chih-Yueh Wang. Principia and magnificent Principia. *Contemporary Physics*, 62(1):42–45, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2021:BRM

- [4129] Miguel A. F. Sanjuán. Book review: A modern approach to teaching classical mechanics: A review of *Modern classical mechanics* by T. M. Helliwell and V. V. Sahakian, Cambridge, Cambridge University Press, 2020, 704 pp., £56.00, (hardback), ISBN 978-1-108-83497-1. *Contemporary Physics*, 62(1):46–49, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2021:BRPa

- [4130] A. H. Harker. Book review: *The physics of graphene*, 2nd edition, by Mikhail I. Katsnelson, Cambridge, UK, Cambridge University Press, 2020, 436 pp., \$84.99 (hardback), ISBN: 978-1-108-47164-0. *Contemporary Physics*, 62(1):50, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pospisil:2021:BRS

- [4131] Christina Pospisil. Book review: *String theory in a nutshell*, 2nd edition, edited by Elias Kiritsis, Princeton University Press, 2019, 888 pp., \$95 (hardback), ISBN 978-0-691-15579-1. *Contemporary Physics*, 62(1):50–51, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Aczel:2021:BRP

- [4132] Miriam R. Aczel. Book review: *Practical alchemy: a memoir*, Walter A. Harrison, Hackensack, NJ, World Scientific, 2018, 176 pp., \$28.00 (paperback), ISBN: 978-981-327-831-8. *Contemporary Physics*, 62(1):51–52, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Aczel:2021:BRC

- [4133] Miriam R. Aczel. Book review: *The cosmos: astronomy in the new millennium*, 5th edition. *Contemporary Physics*, 62(1):52–53, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2021:BRM

- [4134] Peter J. Bussey. Book review: *Modern quantum mechanics*. *Contemporary Physics*, 62(1):53–54, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bengtsson:2021:BRD

- [4135] Ingemar Bengtsson. Book review: *The discovery of cosmic voids* by Laird A. Thompson, Cambridge, Cambridge University Press, 2020, 290 pp., £39.99 (hardback), ISBN 978-1-108-49113-6. *Contemporary Physics*, 62(1):54, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2021:BRNa

- [4136] Manuel Vogel. Book review: *The NASA Kepler mission*, edited by Steve B. Howell, Bristol, IOP Publishing, 2020, 272 pp., \$190 (hardback), ISBN

978-0-7503-2294-2. *Contemporary Physics*, 62(1):55, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2021:BRQ

- [4137] Stephen H. Ashworth. Book review: *Quantum space*, y Jim Baggott, Oxford, Oxford University Press, 2018, £20.00 (hardback), ISBN 978-0-19-880911-1. *Contemporary Physics*, 62(1):55–56, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gaunt:2021:BRC

- [4138] Jonathan Richard Gaunt. Book review: *Coherent states in gauge theories and applications in collider physics*, by M. Greco, World Scientific, 2019, 172 pp., £75 (Hardback), ISBN: 978-981-12-1389-2. *Contemporary Physics*, 62(1):56–57, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2021:BRI

- [4139] Mario Bertolotti. Book review: *An introduction to quantum optics: an open system approach*, by Perry Rice, Bristol, UK, IoP Publishing, 2020, xii+225 pp. with figures, \$95.00 (e-book), ISBN 978-0-7503-1713-9. *Contemporary Physics*, 62(1):57–58, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2021:BRE

- [4140] Mario Bertolotti. Book review: *Electromagnetic waves and lasers*, 2nd edition, by Wayne D. Kimura, IOP Science, Bristol, UK, 2020, xv + 142 pp. with figures, \$159.00 (paperback/hardback), ISBN: 978-0-7503-3521-8. *Contemporary Physics*, 62(1):58, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2021:BRS

- [4141] Eric Howard. Book review: *Semiclassical and stochastic gravity: quantum field effects on curved spacetime*, Bei-Lok B. Hu and Enric Verdaguer, Cambridge, Cambridge University Press, 2020, 614 pp., £155.00 (hardback), ISBN: 978-0-521-19357-3. *Contemporary Physics*, 62(1):58–59, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2021:BRB

- [4142] R. S. Shorter. Book review: *The Bohr atom: a guide*, by Bruce Cameron Reed, Bristol, IOP Science, 2020, 104 pp., \$159.00 (E-book), Online ISBN 978-0-7503-3611-6; Print ISBN: 978-0-7503-3609-3. *Contemporary*

Physics, 62(1):59, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

DeAngelis:2021:BRC

- [4143] Alessandro De Angelis. Book review: *Cosmic messengers: the limits of astronomy in an unruly universe*, by Martin Harwit, Cambridge, Cambridge University Press, 2021, 396 pp., \$32.00 (E-Book), ISBN: 978-1-108-90616-6. *Contemporary Physics*, 62(1):59–61, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2021:BRP

- [4144] Jesus Rogel-Salazar. Book review: *Physics of digital photography*, 2nd edition, by Andy Rowlands, Bristol, UK, IOP Science, 2020, 165 pp., \$159.00 (E-Book), ISBN: 978-0-7503-2558-5. *Contemporary Physics*, 62(1):61, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Volpe:2021:BRD

- [4145] Giovanni Volpe. Book review: *Don't be afraid of physics: quantum mechanics, relativity and cosmology for everyone*, by Ross Barrett and Pier Paolo Delsanto, Cham, Switzerland, Springer Nature, 2021, 293 pp., £17.99 (e-book), ISBN 978-3-030-63409-4. *Contemporary Physics*, 62(1):61–62, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2021:BRI

- [4146] B. Ishak. Book review: *Introduction to galaxy formation and evolution: from primordial gas to present-day galaxies*, by Andrea Cimatti, Filippo Fraternali, and Carlo Nipoti, Cambridge, Cambridge University Press, 2019, 582 pages, \$69.99 (hardback), ISBN: 978-1-107-13476-8. *Contemporary Physics*, 62(1):62, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2021:BRM

- [4147] R. S. Shorter. Book review: *Modern physics: a critical approach*, edited by Canio Noce, Bristol, Institute of Physics Publishing, 2020, 450 pp., £64 (hardback), ISBN: 978-0-7503-2676-6. *Contemporary Physics*, 62(1):62–63, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gururajan:2021:BRPa

- [4148] Mogadalai P. Gururajan. Book review: *Probability and statistics in the physical sciences*, 3rd edition, by Byron P. Roe, New York, Springer

Nature Switzerland, 2020, 285 pp., EUR 46 (e-book), ISBN: 978-3-030-53693-0. *Contemporary Physics*, 62(1):63–64, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Andrews:2021:BRM

- [4149] David Andrews. Book review: *Mind and the cosmic order: how the mind creates the features & structure of all things, and why this insight transforms physics*, by Charles Pinter, Springer, ISBN: 978-3-030-50083-2 (e-book). *Contemporary Physics*, 62(1):64–65, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:2021:BRP

- [4150] Nigel John Mason. Book review: *Planetary diversity: rocky planet processes and their observational signatures*, by Elizabeth J. Tasker, Yuka Fujii, Matthieu Laneuville, Cayman Unterborn, Steven J. Desch and Hilairy E. Hartnett, IOP Publishing, 2020, 266 pp., \$159.00 (e-book), ISBN: 978-0-7503-2140-2. *Contemporary Physics*, 62(1):65–66, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2021:BRL

- [4151] N. E. Myridis. Book review: *The large-scale structure of the Universe*, by P. J. E. Peebles, winner of the Nobel prize in Physics, Princeton University Press, 2020, 448 pp., £50.00 (paperback), ISBN: 978-0-691-20983-8. *Contemporary Physics*, 62(1):66–67, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Morozov:2021:SPD

- [4152] Dmitry V. Morozov, Alessandro Casaburi, and Robert H. Hadfield. Superconducting photon detectors. *Contemporary Physics*, 62(2):69–91, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zuk:2021:BIC

- [4153] Paweł Jan Zuk. A brief introduction to contemporary electrokinetics. *Contemporary Physics*, 62(2):92–104, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2021:BRD

- [4154] Peter J. Bussey. Book review: *Do wave functions jump? Perspectives of the work of GianCarlo Ghirardi* edited by Valia Allori, Angelo Bassi, Detlef Dürr, and Nino Zanghi, Cham, CH, Springer Nature Switzerland, 2021, xv + 436 pp., £87.50 (hardcover), ISBN 978-3-0304-6776-0/

ISBN 978-3-0304-6777-7 (e-book). Scope: article collection. Level: early career researcher, specialist, scientist. *Contemporary Physics*, 62(2):105–106, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2021:BRN

- [4155] Salvatore Esposito. Book review: *The neutrino story: one tiny particle's grand role in the cosmos* by Rabindra N. Mohapatra, Cham, Switzerland, Springer, 2021, xvi+222 pp., £17.99 (E-Book), ISBN 978-3-0305-1846-2. Scope: monograph, general interest. Level: non-specialists, undergraduate, specialist, scientist. *Contemporary Physics*, 62(2):106–107, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2021:BRE

- [4156] A. H. Harker. Book review: *The equations of materials* by Brian Cantor, Oxford, Oxford University Press, 2020, 19 + 307pp., £59.99 (hardback), £29.99 (paperback), ISBN 978-0-19-885187-5 (hbk)/978-0-19-885188-2 (pbk). Scope: general interest. Level: pre-university, undergraduate. *Contemporary Physics*, 62(2):107, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

MacKay:2021:BRC

- [4157] Robert S. MacKay. Book review: *The cosmic microwave background*, 2nd edition, by Ruth Durrer, Cambridge, UK, Cambridge University Press, 2021, 510 pp., £47.61 (hardback), ISBN 978-1-107-13522-2. Scope: textbook. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 62(2):107–108, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2021:BRPa

- [4158] David J. Miller. Book review: *Particle detectors: fundamentals and applications* by Hermann Kolanoski and Norbert Wermes, New York, Oxford University Press, 2020, 944 pp., \$100 (Hardback), ISBN 978-0-19-885836-2. Scope: monograph. Level: graduate. *Contemporary Physics*, 62(2):108–109, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2021:BRA

- [4159] David J. Miller. Book review: *Advances in nuclear physics: structure and reactions* edited by R.K. Puri, J. Aichelin, S. Gautam and R. Kumar, Springer Nature, 2020, 273 pp., £129.99 (hardback), ISBN 978-981-1590-61-0. Scope: conference proceedings. Level: researcher. *Contempo-*

rary Physics, 62(2):109–110, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2021:BRPb

- [4160] David J. Miller. Book review: *The physics of the dark photon: a primer* by Marco Fabbrichesi, Emidio Gabrielli and Gaia Lanfranchi, Cham, Springer Nature, 2021, 78 pp., £44.99 (paperback), ISBN: 978-3-030-62518-4. Scope: review. Level: researcher. *Contemporary Physics*, 62(2):110, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2021:BRC

- [4161] David J. Miller. Book review: *Classical mechanics: a professor–student collaboration* edited by Mario Campanelli, Bristol, IOP Science, 2020, 376 pp., £99.00 (hardback), ISBN: 978-0-7503-2688-9. Scope: textbook. Level: undergraduate. *Contemporary Physics*, 62(2):110–111, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2021:BRS

- [4162] A. H. Harker. Book review: *Semiconductor physics: principles, theory and nanoscale* by S. Tiwari, Oxford, Oxford University Press, 2020, 19 + 803 pp., £65.00 (hardback), ISBN 978-0-19-875986-7. Scope: textbook. Level: undergraduate, early postgraduate. *Contemporary Physics*, 62(2):111–112, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Halttunen:2021:BRA

- [4163] Krista Halttunen. Book review: *The advent of relativity* by Voldemar Smilga, Singapore, World Scientific, 2021, 352 pp., £60.00 (hardback), ISBN: 978-981-12-3114-8. Scope: monograph. Level: pre-university. *Contemporary Physics*, 62(2):112, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Osborn:2021:BRQ

- [4164] H. Osborn. Book review: *From quarks to pions: chiral symmetry and confinement* by M. Creutz, World Scientific, 2018, 216 pp., £75 (hardback), ISBN: 978-981-322-923-5. Scope: monograph. Level: postgraduate. *Contemporary Physics*, 62(2):113, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lakshminarayanan:2021:BRH

- [4165] Vasudevan Lakshminarayanan. Book review: *The handbook of medical image perception and techniques*, 2nd edition, by E. Samei and E.

A. Krupinski, Cambridge, UK, Cambridge University Press, 2018, 522 pp., £120.00 (hardback), ISBN: 978-1-107-19488-5. Scope: handbook. Level: advanced undergraduate, postgraduate, early career researcher, researcher, teacher, specialist. *Contemporary Physics*, 62(2):113–114, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Scali:2021:BRA

- [4166] Stefano Scali. Book review: *Advanced quantum condensed matter physics: one-body, many-body, and topological perspectives* by Michael El-Batanouny, Cambridge, Cambridge University Press, 2020, £69.99 (hardback), ISBN: 978-1-108-48084-0. Scope: reference, textbook. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 62(2):114–115, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Scali:2021:BRG

- [4167] Stefano Scali. Book review: *Group theory for physicists*, 2nd edition, by Zhong-Qi Ma, Hackensack, NJ, World Scientific, 2019, 656 pp., £115 (paperback), ISBN: 978-981-327-796-0. Scope: textbook. Level: advanced undergraduate, postgraduate, early career researcher, researcher. *Contemporary Physics*, 62(2):115–116, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wang:2021:BRR

- [4168] Chih-Yueh Wang. Book review: *Relativistic fluid dynamics in and out of equilibrium: and applications to relativistic nuclear collisions* by Paul Romatschke and Ulrike Romatschke, Cambridge, Cambridge University Press, 2019, 204 pp., US\$140.00 (hardcover), ISBN-13: 978-1-108-48368-1. Scope: monograph. Level: postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 62(2):116, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2021:BRI

- [4169] Andrew Resnick. Book review: *An introduction to fluorescence correlation spectroscopy* by Thorsten Wohland, Radek Machán, and Sudipta Maiti, Bristol, IOP Publishing Ltd, 2020, 300 pages, \$190.00, ISBN: 978-0-7503-2078-8. Scope: textbook, handbook. Level: advanced undergraduate student, graduate student, researcher. *Contemporary Physics*, 62(2):117, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2021:BRS

- [4170] Andrew Resnick. Book review: *Stigmatic optics* by Rafael G. González-Acuña and Héctor A. Chaparro-Romo, Bristol, IOP Publishing Ltd, 2020, 308 pages, \$190.00, ISBN-13: 978-0-7503-3461-7, ISBN-10: 0-7503-3461-4. Scope: textbook, handbook. Level: advanced undergraduate student, graduate student, researcher. *Contemporary Physics*, 62(2):117–118, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2021:BRP

- [4171] R. S. Shorter. Book review: *The physics of the Manhattan Project* by Bruce Cameron Reed, New York, Springer, Nature Switzerland AG, 2021, 256 pp., £43.99 (e-book), ISBN: 978-3-030-61372-3. Scope: general interest, textbook. Level: general readership, undergraduate, teacher. *Contemporary Physics*, 62(2):118, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2021:BRE

- [4172] Manuel Vogel. Book review: *Electrons in motion: attosecond physics explores fastest dynamics* by F. Krausz, Singapore, World Scientific, 2019, 536 pp., \$175 (hardback), ISBN: 978-981-12-0186-8. Scope: article collection. Level: researcher, specialist. *Contemporary Physics*, 62(2):119, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gershon:2021:BRP

- [4173] Tim Gershon. Book review: *Particle–antiparticle asymmetry in the meson system* by Hiroaki Aihara, IOP Science, 2020, \$190.00 (hardback), ISBN: 978-0-7503-3649-9, \$159.00 (ebook), ISBN: 978-0-7503-3651-2. Scope: reference material, appropriate for undergraduate level. *Contemporary Physics*, 62(2):119–120, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shotter:2021:BRE

- [4174] A. C. Shotter. Book review: *Essentials of nucleosynthesis and theoretical nuclear astrophysics* by Thomas Rauscher, Bristol, IOP Science, 2020, \$190.00 (Hardback), 397 pp., ISBN 978-0-7503-1150-2. Level: advanced undergraduate, postgraduate, early career researcher, researcher. Scope: reference. *Contemporary Physics*, 62(2):120–121, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Volpe:2021:BRS

- [4175] Giovanni Volpe. Book review: *Statistical mechanics: entropy, order parameters, and complexity* 2nd edition, by James P. Sethna, Oxford, Oxford University Press, 2021, 496pp., £58.99 (paperback), ISBN 978-0-19-886524-7. Scope: textbook. Level: undergraduate, postgraduate, advanced undergraduate. *Contemporary Physics*, 62(2):121–122, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2021:BRR

- [4176] Dr. Manuel Vogel. Book review: *Relativity and cosmology: volume 5 of modern classical physics* by Kip S. Thorne and Roger D. Blandford, Princeton, Princeton University Press, 2021, 416 pp., £48 (softcover), ISBN: 978-0-691-20739-1. Scope: textbook. Level: advanced undergraduates. *Contemporary Physics*, 62(2):122, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2021:BRI

- [4177] Peter J. Bussey. Book review: *Introduction to the standard model and beyond: quantum field theory, symmetries and phenomenology* by Stuart Raby, Cambridge, Cambridge University Press, 2021, xvi+619 pp., £60 (hardback), ISBN 978-1-108-49,419-9. Scope: textbook. Level: postgraduate. *Contemporary Physics*, 62(2):123, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gururajan:2021:BRC

- [4178] Mogadalai P. Gururajan. Book review: *Continuum mechanics of solids* by Lallit Anand and Sanjay Govindjee, Oxford, UK, Oxford University Press, 2020, 736 pp., £65.00 (hardback), ISBN: 978-0-19-886472-1. Scope: textbook. Level: postgraduate, advanced undergraduate, early career researcher, researcher, teacher, engineers. *Contemporary Physics*, 62(2): 123–124, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barnes:2021:PCE

- [4179] Samuel J. K. Barnes and Aneta Stefanovska. Physics of cellular energy metabolism. *Contemporary Physics*, 62(3):125–143, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kumar:2021:SCI

- [4180] Sunil Kumar, Manoj Kumar, and Amarjeet Singh. Synthesis and characterization of iron oxide nanoparticles (Fe_2O_3 , Fe_3O_4): a brief review.

Contemporary Physics, 62(3):144–164, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Palti:2021:SST

- [4181] Eran Palti. The swampland and string theory. *Contemporary Physics*, 62(3):165–179, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2021:BRG

- [4182] Peter J. Bussey. Book review: *General relativity: the essentials* by Carlo Rovelli, Cambridge, Cambridge University Press, 2021, x+170 pp., £14.99 (paperback), ISBN 978-1-009-01369-7. Scope: textbook. Level: postgraduate. *Contemporary Physics*, 62(3):180, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2021:BRO

- [4183] Peter J. Dobson. Book review: *Optical materials*, 2nd edition by Kelly Potter and Joseph Simmons, USA, Elsevier, 2020, 530 pp., £125-£155 (paperback) (E-Book), ISBN: 978-0-12-818642-8. Scope: textbook. Level: advanced undergraduate, postgraduate. *Contemporary Physics*, 62(3): 180–181, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2021:BRSa

- [4184] Peter J. Bussey. Book review: *Statistical Physics*, vol. 1 of *Modern Classical Physics* by Kip S. Thorne and Roger D. Blandford, Princeton, Princeton University Press, 2021, xxii+384 pp., £40 (paperback), ISBN 978-0-691-20612-7. Level: advanced undergraduate, postgraduate. scope: textbook. *Contemporary Physics*, 62(3):181–182, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wang:2021:BRC

- [4185] Chih-Yueh Wang. Book review: *Computational statistical physics* by Lucas Böttcher and Hans J. Herrmann, Cambridge, UK, Cambridge University Press, 2021, 257 pp., US\$59.99 (E-book), ISBN 978-1-108-84142-9. Scope: textbook. Level: advanced undergraduate, postgraduate, early-career researcher, researcher, scientist, engineers. *Contemporary Physics*, 62(3):182–183, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:2021:BRS

- [4186] Nigel John Mason. Book review: *Space science and public engagement: 21st century perspectives and opportunities* by Amy

Kaminski, Elsevier, 2021, 298 pp., \$69.95 (E-Book), ISBN: 978-0-12-817390-9, <https://www.elsevier.com/books/space-science-and-public-engagement/kaminski/978-0-12-817390-9>. Scope: review. Level: general readership, non-specialists, pre-university, undergraduate, postgraduate, advanced undergraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 62(3):183–184, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jamil:2021:BRE

- [4187] M. Jamil. Book review: *Exploring classical mechanics: a collection of 350+ solved problems for students, lecturers, and researchers*, 2nd revised and enlarged English edition by G. L. Kotkin and V. G. Serbo, Oxford, UK, Oxford University Press, 2020, 400 pp., £29.99 (E-Book), ISBN: 978-0-19-885379-4. Scope: monograph, handbook, guide. Level: undergraduate, advanced undergraduate, early career researcher, researcher. *Contemporary Physics*, 62(3):184–185, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuxen:2021:BRT

- [4188] Miguel A. F. Sanjuán. Book review: *Thermodynamics and statistical mechanics. An introduction for physicists and engineers* by Samya Zain, Bristol, IOP Publishing, 2021, 372 pp., £99 (hardback), ISBN: 978-0-7503-3083-1, 978-0-7503-3081-7. Scope: textbook. Level: undergraduate, advanced undergraduate, teacher, engineers. *Contemporary Physics*, 62(3):185, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2021:BRT

- [4189] Andrew Resnick. Book review: *Thermodynamics: principles characterising physical and chemical processes*, 5th edition by Jurgen Honig, London, Elsevier, 2020, \$190 (E-Book), ISBN: 978-0-12-821940-9. Scope: textbook. Level: advanced undergraduate, postgraduate, early career researcher, scientist. *Contemporary Physics*, 62(3):185–186, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gururajan:2021:BRE

- [4190] Mogadalai P. Gururajan. Book review: *Elasticity & fluid dynamics*, 1st edition by Kip S. Thorne and Roger D. Blandford, Series: Volume 3 of Modern Classical Physics, Princeton, USA, Princeton University Press, 2021, 450 pp. (565-1014), 50 USD (paperback), ISBN 978-0-691-20734-6. Scope: reference, textbook. Level: postgraduate, advanced undergraduate, early career researcher, researcher, teacher, scientist, engineers.

Contemporary Physics, 62(3):186–187, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2021:BRSb

- [4191] Peter J. Bussey. Book review: *Seven fundamental concepts in space-time physics* by Vesselin Petkov, Cham, CH, Springer International Publishing, 2021, xix + 81 pp., £50 (paperback), ISBN: 978-3-030-75638-3. Scope: monograph. Level: scientist. *Contemporary Physics*, 62(3):187–188, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Xie:2021:MTP

- [4192] Songbo Xie and J. H. Eberly. Managing the three-party entanglement challenge. *Contemporary Physics*, 62(4):189–198, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jiang:2021:PMB

- [4193] Xiangqian Jiang and Andrew Henning. Precision metrology: from bulk optics towards metasurface optics. *Contemporary Physics*, 62(4):199–216, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rider:2021:SNL

- [4194] M. S. Rider and W. L. Barnes. Something from nothing: linking molecules with virtual light. *Contemporary Physics*, 62(4):217–232, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2021:RP

- [4195] Peter J. Bussey. Resolving a paradox. *Contemporary Physics*, 62(4):233–235, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2021:BRQ

- [4196] Eric Howard. Book review: *The quantum universe: essays on quantum mechanics, quantum cosmology, and physics in general* by James B. Hartle, Singapore, World Scientific, 2021, 624 pp., £110.00 (E-Book), ISBN: 978-981-12-1634-3. Scope: edited book. Level: early career researcher. *Contemporary Physics*, 62(4):236, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2021:BRM

- [4197] Matt Probert. Book review: *Machine learning with neural networks: an introduction for scientists and engineers* by Bernhard Mehlig, Cam-

bridge, UK, Cambridge University Press, 2021, 249 pp., £39.99 (hardback), ISBN: 978-1-108-49493-9. Scope: monograph, textbook. Level: postgraduate, researcher. *Contemporary Physics*, 62(4):236–237, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gururajan:2021:BRPb

- [4198] Mogadalai P. Gururajan. Book review: *Physics of elasticity and crystal defects* Oxford series on materials modelling, by Adrian P. Sutton, Oxford, Oxford University Press, 2020, 288 pp., £45.00 (hardback), ISBN: 978-0-19-886078-5. Scope: monograph, textbook. Level: advanced undergraduate, postgraduate, early career researcher, researcher, teacher, scientist, engineers. *Contemporary Physics*, 62(4):237–238, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sharma:2021:BRI

- [4199] Mohit Sharma. Book review: *Introduction to quantum nanotechnology: a problem focused approach* by Duncan G. Steel, Oxford, UK, Oxford University Press, 2021, 370 pp., £65.00 (hardback), ISBN 978-0-19-289507-3. Scope: reference, review. Level: postgraduate, early career researcher, researcher, teacher, scientist, engineers. *Contemporary Physics*, 62(4):238–239, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2021:BRC

- [4200] Nikolaos E. Myridis. Book review: *Cosmology's century: an inside history of our modern understanding of the universe* Physics & Astronomy, by P. J. E. Peebles, winner of the Nobel prize in Physics, Princeton, NJ, Princeton University Press, 2020, 440 pp., \$28.00 (hardback), ISBN (e-book) 978-0-691-20166-5. Scope: monograph. Level: non-specialists, undergraduate, advanced undergraduate, postgraduate, researcher, teacher, specialist, scientist. *Contemporary Physics*, 62(4):239–240, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Reid:2021:BRH

- [4201] Jack Reid. Book review: *A handbook of mathematical methods and problem-solving tools for introductory physics* (second edition) by Joshua F. Whitney, Heather M. Whitney, IOP Science, Bristol, Institute of Physics Publishing, 2021, \$120.00 (hardback), \$90.00 (e-book), E-Book (<https://store.ioppublishing.org/page/detail/A-Handbook-of-Mathematical-Methods-and-ProblemSolving-Tools-for-Introductory-Physics-Second-Edition/?K=9780750333993>), ISBN 978-0-7503-3399-3. Scope: handbook. Level: undergraduate. *Contemporary Physics*, 62(4):240–241,

2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Belsley:2021:BRU

- [4202] Michael Belsley. Book review: *Ultrafast lasers and optics for experimentalists* by James David Pickering, Bristol, UK, IOP Science, 2021, 157 pp., ISBN 978-0-7503-3659-8. Scope: handbook. Level: advanced undergraduate, postgraduate. *Contemporary Physics*, 62(4):241–242, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2021:BRPb

- [4203] A. H. Harker. Book review: *Principles of materials characterization and metrology* by Kannan M. Krishnan, Oxford, UK, Oxford University Press, 2021, 20 + 849 pp., ISBN 978-0-19-883025-2 (hbk), ISBN 978-0-19-883026-9 (pbk). Scope: textbook. Level: undergraduate, early postgraduate. *Contemporary Physics*, 62(4):242, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2021:BRN

- [4204] A. H. Harker. Book review: *Nuclear materials science*, 2nd edition by Karl Whittle, IOP Publishing Ltd, 2020, 218 pp., ISBN: 978-0-7503-2376-5 (ebook), ISBN: 978-0-7503-2374-1 (print). Scope: textbook. Level: undergraduate, early postgraduate. *Contemporary Physics*, 62(4):242–243, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2021:BRP

- [4205] Nikolaos E. Myridis. Book review: *Principles of physical Cosmology* by P. J. E. Peebles, winner of the Nobel prize in Physics, Princeton, NJ, Princeton University Press, 2020, 774 pp., £62.00 (e-book), ISBN 978-0-691-20672-1. Princeton series in physics & astronomy. Scope: reference. Level: non-specialists, advanced undergraduate, postgraduate, researcher, teacher, specialist, scientist. *Contemporary Physics*, 62(4):243–244, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Boyack:2021:BRE

- [4206] Rufus Boyack. Book review: *Electrostatics of conducting cylinders and spheres* by John Lekner, Melville, NY, AIP Publishing, 2021, 240 pp., \$135 (paperback), <https://doi.org/10.1063/9780735423350>, ISBN: 978-0-7354-2332-9. Scope: monograph. Level: scientist. *Contemporary Physics*, 62(4):244–245, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2021:BRNb

- [4207] Manuel Vogel. Book review: *Nuclear data — a primer* by David G. Jenkins and John L. Wood, Bristol, UK, IOP Publishing, 2021, 198 pp., USD 190 (hardcover), ISBN 978-0-7503-2672-8. Scope: textbook. Level: advanced undergraduates and above. *Contemporary Physics*, 62(4):245–246, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuxen:2021:BRR

- [4208] Miguel A. F. Sanjuán. Book review: *A random walk in physics. Beyond black holes and time-travels* by Massimo Cencini, Andrea Puglisi, Davide Vergni, and Angelo Vulpiani, Springer Nature Switzerland AG, 2021, 36.39 EUR (hardback), 224 pp. ISBN 978-3-030-72530-3. Scope: general interest. Level: general readership, undergraduate, teacher. *Contemporary Physics*, 62(4):246–247, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Deppisch:2021:BRF

- [4209] Frank F. Deppisch. Book review: *Foundations of quantum cosmology* by Martin Bojowald, IOP Science, 2020, ISBN: 978-0-7503-2460-1 (E-Book). Scope: monograph. Level: physics graduate. *Contemporary Physics*, 62(4):247, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2021:BRT

- [4210] Stephen J. Blundell. Book review: *Theory of simple glasses: exact solutions in infinite dimensions* by Giorgio Parisi, Pierfrancesco Urbani and Francesco Zamponi, Cambridge University Press, 2020, 349 pages, £62.99 (hardcover), ISBN: 978-1-108-12049-4. Level: researcher. Scope: textbook. *Contemporary Physics*, 62(4):247–248, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2021:BRI

- [4211] Stephen H. Ashworth. Book review: *The ideas of particle physics* by James Dodd and Ben Gripaios, Cambridge University Press, 2020, £34.99 (paperback, <https://www.cambridge.org/gb/academic/subjects/physics/particle-physics-and-nuclear-physics/ideas-particle-physics-4th-edition?format=PB>). ISBN 978-1-108-72740-2. Scope: review. Level: general readership, non-specialists, scientists. *Contemporary Physics*, 62(4):248–249, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Keller:2022:CQS

- [4212] Matthias Keller. Cavity-QED with single trapped ions. *Contemporary Physics*, 63(1):1–14, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chapman:2022:FLS

- [4213] E. Chapman. First light: switching on stars at the dawn of time. *Contemporary Physics*, 63(1):15–33, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milburn:2022:PLM

- [4214] G. J. Milburn and Sahar Basiri-Esfahani. The physics of learning machines. *Contemporary Physics*, 63(1):34–60, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2022:BRSa

- [4215] Manuel Vogel. Book review: *Synchrotron radiation: sources and applications to the structural and electronic properties of materials* by D. Phil Woodruff, Cambridge, Cambridge University Press, 2021, 450 pp., £74.99 (hardback), ISBN: 978-1-316-99574-7. Scope: monograph. Level: advanced undergraduate, postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 63(1):61, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sivakumar:2022:BRQ

- [4216] Srinivasan Sivakumar. Book review: *Quantum information processing, quantum computing, and quantum error correction: an engineering approach*, 2nd edition by Ivan Djordjevic, Elsevier, 2021, 838 pp., \$125.00 (paperback), ISBN 978-0-12-821987-4. Scope: textbook. Level: advanced undergraduate, postgraduate. *Contemporary Physics*, 63(1):61–62, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Beauty:2022:BRE

- [4217] Aras Beauty, Laili Fitria Zulfa, and Iwan. Book review: *Entropy and free energy in structural biology: From thermodynamics to statistical mechanics to computer simulation* by Hagai Meirovitch, Boca Raton, CRC Press, 2020, 396 pp., £80.00 (hardback), ISBN 978-0-367-40692-9. Scope: textbook. Level: advanced undergraduate, postgraduate, researcher, scientist, engineer. *Contemporary Physics*, 63(1):62–63, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Reid:2022:BRQ

- [4218] Jack Reid. Book review: *Quantum mechanics: introduction to mathematical formulation* by Martin Pieper, Wiesbaden, Springer International Publishing, 2021, xiii + 33 pp., £19.99 (paperback), ISBN 978-3-658-32645-6. Scope: guide. Level: general readership. *Contemporary Physics*, 63(1):63, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuxen:2022:BRT

- [4219] Miguel A. F. Sanjuán. Book review: *Theory of the spread of epidemics and movement ecology of animals. An interdisciplinary approach using methodologies of physics and mathematics* by V. M. (Nitant) Kenkre and Luca Giuggioli, Cambridge, UK, Cambridge University Press, 2021, 330 pp., £120 (hardback), ISBN: 978-1-108-84140-5. Scope: monograph. Level: postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 63(1):64, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2022:BRF

- [4220] K. Alan Shore. Book review: *Fundamental properties of semiconductor nanowires* edited by Fukata Naoki and Rurali Riccardo, Singapore, Springer International Publishing, 2021, 454 pp., £87.50 (E-Book), ISBN 978-981-15-9049-8. Scope: monograph. Level: postgraduate, early career researcher. *Contemporary Physics*, 63(1):64–65, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2022:BRE

- [4221] Peter J. Bussey. Book review: *Exofrontiers: big questions in exoplanetary science* edited by N. Madhusudhan, Bristol, IOP Publishing, 2021, xxi+ 287 pp., £108 (hardback), ISBN 978-0-7503-1470-1. Scope: article collection. Level: researcher. *Contemporary Physics*, 63(1):65–66, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2022:BRD

- [4222] A. H. Harker. Book review: *Dimensional analysis: the great principle of similitude* by Jeffrey H. Williams, Bristol, UK, IOP Publishing Ltd, 2021, 20 + 223 pp., £120 (hardback), ISBN 978-0-7503-3653-6; £99 (e-book), ISBN 978-0-7503-3655-0. Scope: textbook. Level: undergraduate. *Contemporary Physics*, 63(1):66–67, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Reid:2022:BRA

- [4223] Jack Reid. Book review: *The ABCs of High-Pressure Science* by Sergei M. Stishov, London, World Scientific Publishing, 2021, £40.00 (hardback), ISBN: 978-1-78634-955-2. Scope: reference. Level: general readership. *Contemporary Physics*, 63(1):67, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2022:BRQ

- [4224] Nikolaos E. Myridis. Book review: *Quantitative atomic-resolution electron microscopy* by Annick de Backer, Jarmo Fatermans, Arnold A. den Dekker and Sandra van Aert, vol. 217 of *Advances in Imaging & Electron Physics*, edited by Martin Hÿtch and Peter W. Hawkes, Elsevier, 2021, 294 pp., EUR139.13 (e-book), ISBN 978-0-323-85093-3. Scope: article collection. Level: researcher, scientist. *Contemporary Physics*, 63(1):67–69, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2022:BRS

- [4225] Stephen H. Ashworth. Book review: *The science of learning physics* by José P. Mestre and Jennifer L. Docktor, Singapore, World Scientific, 2021, 212 pp., £50.00 (hardback), ISBN 978-981-12-2654-0. also available as softback and ebook. Level: teacher, specialist. Scope: review. *Contemporary Physics*, 63(1):69, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ramires:2022:SAC

- [4226] Aline Ramires. Symmetry aspects of chiral superconductors. *Contemporary Physics*, 63(2):71–86, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lian:2022:AMB

- [4227] Xiaojuan Lian, Yuelin Shi, Shiyu Li, Bingxin Ding, Chenfei Hua, and Lei Wang. Applications of MXene-based memristors in neuromorphic intelligence applications. *Contemporary Physics*, 63(2):87–105, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ueda:2022:SBE

- [4228] Masahito Ueda. Spinor Bose–Einstein condensates. *Contemporary Physics*, 63(2):106–115, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Withington:2022:QEF

- [4229] S. Withington. Quantum electronics for fundamental physics. *Contemporary Physics*, 63(2):116–137, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lellouch:2022:UAI

- [4230] Samuel Lellouch, Kai Bongs, and Michael Holynski. Using atom interferometry to measure gravity. *Contemporary Physics*, 63(2):138–155, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bridges:2022:BRM

- [4231] Thomas J. Bridges. Book review: *Mechanics of fluid deformations in rigid body rotations and plane channel F* by Oleg V. Troshkin, Singapore, World Scientific, 2021, 284 pp., £85 (hardback), ISBN 978-981-1230-51-6. Scope: monograph. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 63(2):156, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Belsley:2022:BRV

- [4232] Michael Belsley. Book review: *Virtual and real labs for introductory physics II: optics, modern physics, and electromagnetism* by Daniel Erenso, Bristol, UK, IOP Science, 2021, 380 pp., 90EUR (hardback), ISBN 978-0-7503-3713-7. Scope: textbook. Level: pre-university, undergraduate. *Contemporary Physics*, 63(2):156–157, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2022:BRsb

- [4233] Manuel Vogel. Book review: *String theory and the real world: the visible sector, 2nd edition* by Gordon Kane, Bristol, UK, IOP Publishing, 2021, 175 pp., \$50 (hardback); \$40 (ebook), ISBN: 978-0-7503-3581-2. Scope: monograph. Level: general readership. *Contemporary Physics*, 63(2):157–158, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2022:BRG

- [4234] Andrew Resnick. Book review: *Gravity, magnetic and electromagnetic gradiometry: strategic technologies in the 21st century, 2nd edition* by Alexey V. Veryaskin, Bristol, IOP Publishing Ltd, 2021, 175 pp., \$125.00 (hardcover), ISBN-13: 978-0-7503-3801-1, ISBN-10: 0-7503-3801-6. Scope: monograph. Level: advanced undergraduate student, graduate student, researcher. *Contemporary Physics*, 63(2):158–

159, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2022:BRA

- [4235] A. H. Harker. Book review: *Applications of polymer nanofibers* edited by Anthony L. Andrady and Saad A. Khan, Hoboken, NJ, Wiley, 2022, xvi+408 pp., £133.99 (e-book), ISBN 978-1-119-26770-6. Scope: edited book. Level: early career researcher, researcher. *Contemporary Physics*, 63(2):159, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Schofield:2022:QEF

- [4236] Holly Schofield, Elena Boto, Vishal Shah, Ryan M. Hill, James Osborne, Molly Rea, Cody Doyle, Niall Holmes, Richard Bowtell, David Woolger, and Matthew J. Brookes. Quantum enabled functional neuroimaging: the why and how of magnetoencephalography using optically pumped magnetometers. *Contemporary Physics*, 63(3):161–179, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Clements:2022:VPP

- [4237] David L. Clements. Venus, phosphine and the possibility of life. *Contemporary Physics*, 63(3):180–199, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Seligman:2022:IO

- [4238] Darryl Z. Seligman and Amaya Moro-Martín. Interstellar objects. *Contemporary Physics*, 63(3):200–232, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Quigg:2022:AL

- [4239] Chris Quigg. Advice to a lecturer. *Contemporary Physics*, 63(3):233–241, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2022:BRB

- [4240] Peter J. Dobson. Book review: *Bionanomaterials for environmental and agricultural applications* edited by Ravindra Pratap Singh and Kshitij RB Singh, Institute of Physics Publishing Ltd, 2021, £120 (hardback), ISBN: 978-0-7503-3863-9. Scope: review, reference. Level: general readership, advanced undergraduate, postgraduate, early career researcher, researcher, scientist. *Contemporary Physics*, 63(3):242, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Beauty:2022:BRB

- [4241] Aras Beauty and Afnan Taqiyarrahman. Book review: *The brain-bladder axis in tissue growth and remodelling* by Roustem N. Miftahof and Christian J. Cyron, Bristol, IOP Publishing, 2021, 175 pp., \$190 (hardback), \$159 (ebook), ISBN 978-0-7503-3567-6. Scope: monograph. Level: general readership, undergraduate, advanced undergraduate, postgraduate, early career researcher, researcher, specialist, scientist, engineer. *Contemporary Physics*, 63(3):242–243, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Huda:2022:BRT

- [4242] Erin Ficrah Huda and Suci Indah Putri. Book review: *Tailored functional oxide nanomaterials: from design to multi-purpose applications* edited by Chiara Maccato and Davide Barica, Weinheim, Wiley, 2022, 512 pp., \$156.35 (hardback), ISBN 978-3-527-34759-9. Scope: textbook. Level: undergraduate, advanced undergraduate, postgraduate, researcher, scientist, engineer. *Contemporary Physics*, 63(3):243–244, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zutt:2022:BRC

- [4243] Nicholas Zutt. Book review: *Cosmic analogies: How natural systems emulate the universe* by Valerio Faraoni, London, World Scientific, 2022, 262 pp., USD 98.00 (E-Book), ISBN 978-1-80061-342-3. Scope: monograph. Level: undergraduate. *Contemporary Physics*, 63(3):244–245, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Reid:2022:BRP

- [4244] Jack Reid. Book review: *The physics of sound waves: music, instruments, and sound equipment, second edition* by Panos Photinos, Bristol, IOP Science, 2021, 269 pp., \$50.00 (hardback), \$40.00 (e-book), ISBN: 978-0-7503-3539-3. Scope: textbook. Level: undergraduate. *Contemporary Physics*, 63(3):245, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Schiller:2022:PSM

- [4245] S. Schiller. Precision spectroscopy of molecular hydrogen ions: an introduction. *Contemporary Physics*, 63(4):247–279, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stranks:2022:HPP

- [4246] Samuel D. Stranks. Halide perovskite photovoltaics. *Contemporary Physics*, 63(4):280–304, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Boothroyd:2022:TEB

- [4247] A. T. Boothroyd. Topological electronic bands in crystalline solids. *Contemporary Physics*, 63(4):305–327, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2022:BRQ

- [4248] Salvatore Esposito. Book review: *The quantum internet — the second quantum revolution* by Peter P. Rohde, Cambridge, Cambridge University Press, 2020, 344+xviii pp., £49.99 (hardback), ISBN: 978-1-108-49145-7. Scope: monograph. Level: postgraduate, researcher, specialist, engineers. *Contemporary Physics*, 63(4):328, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Reid:2022:BRT

- [4249] Jack Reid. Book review: *Thermodynamics of complex systems: principles and applications* by Vladimir N. Pokrovskii, London, IOP Science, 2020, 321 pp., \$190.00 (hardback), ISBN 978-0-7503-3449-5. Scope: textbook. Level: undergraduate. *Contemporary Physics*, 63(4):329, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Humaira:2022:BRF

- [4250] Humaira and Erin Ficrah Huda. Book review: *Flexible supercapacitors: materials and applications* edited by Guozhen Shen, Zheng Lou and Di Chen, Hoboken, Wiley, 2022, 331 pp., \$195.00 (hardback), ISBN 978-1-119-50616-4. Scope: textbook. Level: undergraduate, advanced undergraduate, postgraduate, researcher, scientist, engineer. *Contemporary Physics*, 63(4):329–330, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Falcone:2022:BRP

- [4251] Francisco Falcone. Book review: *Printed and flexible sensor technology* by Subhas Mukhopadhyay and Anindya Nag, Bristol, IOP Publishing, 2021, 300 pp., \$190.00 (hardback), ISBN: 978-0-7503-3439-6. Scope: reference. Level: postgraduate. *Contemporary Physics*, 63(4):330–331, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hardi:2022:BRO

- [4252] Anla Fet Hardi and Erin Ficrah Huda. Book review: *Organic solar cells: materials design, technology and commercialization* edited by Liming Ding, Weinheim, Wiley, 2022, 720 pp., \$156.00 (hardback), ISBN 978-3-527-83366-5. Scope: textbook. Level: advanced undergraduate, postgraduate, researcher, scientist, engineer. *Contemporary Physics*, 63(4): 331–332, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shiroka:2022:BRJ

- [4253] Toni Shiroka. Book review: *A journey into reciprocal space: a crystallographer's perspective*, 2nd edition, by Anthony Michael Glazer, IOP Science, Bristol, 2021, 274 pp., 145 Euro, ISBN: 978-0-7503-3875-2 (Hardback). Scope: Textbook. Level: Undergraduate, advanced Undergraduate, postgraduate, early career researcher, researcher. *Contemporary Physics*, 63(4):332–333, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2022:BRN

- [4254] Mario Bertolotti. Book review: *Nanotechnology: trends and future applications* by Muhammad Bilal Tahir, Muhammad Rafique and Muhammad Sagir, Singapore, Springer International Publishing, 2021, 143 pp., \$79.99 (e-Book), ISBN 978-981-15-9437-3. Scope: monograph. Level: non-specialists. *Contemporary Physics*, 63(4):333, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2022:BRS

- [4255] Miguel A. F. Sanjuán. Book review: *Set theory and its applications in physics and computing* by Yair Shapira, Singapore, World Scientific, 2022, 480 pp., £100 (hardback), ISBN: 978-981-12-6177-0. Scope: monograph. Level: advanced undergraduate, postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 63(4): 333–334, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zutt:2022:BRD

- [4256] Nicholas Zutt. Book review: *Discovering the nature of light: the science and the story* by Norval Fortson, Seattle, USA, University of Washington, 2022, 220 pp., 68 USD (hardback), ISBN: 978-981-12-4959-4. Scope: general interest. Level: general readership. *Contemporary Physics*, 63(4): 334–335, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2022:BRE

- [4257] A. H. Harker. Book review: *Energy materials* by Aliaksandr S. Bandarenka, Abingdon, Routledge Taylor & Francis Group, 2022, xv + 236 pp., £74.99 (e-book), ISBN: 978-0-367-45736-5. Scope: monograph. Level: postgraduate, advanced undergraduate, early career researcher. *Contemporary Physics*, 63(4):335–336, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wandi:2022:BRC

- [4258] Wandu Wandu and Fani Mardianti. Book review: *Cartoon physics: a graphic novel guide to solving physics problems* by Scott Calvin and Kirin Emler Furst, Boca Raton, CRC Press, 2022, 273 pp., £31.99 (paperback), ISBN 978-1-138-59878-2. Scope: general interest. Level: general readership, undergraduate. *Contemporary Physics*, 63(4):336–337, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2022:BRP

- [4259] A. H. Harker. Book review: *The physics of phonons, 2nd edition* by Gyaneshwar P. Srivastava, Boca Raton, FL/Abingdon, UK, CRC Press, 2023, xxi+434 pp., £180 (hardback), ISBN 978-0-367-68526-3. Scope: monograph. Level: advanced undergraduate, graduate, early stage researcher. *Contemporary Physics*, 63(4):337, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sharma:2022:BRQ

- [4260] Mohit Sharma. Book review: *Quantum transport in nanostructures and molecules: an introduction to molecular electronics* by Colin John Lambert, Bristol, IOP Publishing, 2021, 445 pp., \$190 (hardback), \$159 (e-book), ISBN: 978-0-7503-3639-0. Scope: review. Level: researcher. *Contemporary Physics*, 63(4):337–339, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Baggott:2009:AFW

- [4261] J. E. Baggott. *Atomic: the First War of Physics and the Secret History of the Atomic Bomb, 1939–49*. Icon, London, UK, 2009. ISBN 1-84831-044-7 (hardcover). xiv + 576 + 16 pp. LCCN QC773 .B24 2009.

Baggott:2010:FWP

- [4262] Jim Baggott. *The First War of Physics: The Secret History of the Atomic Bomb, 1939–1949*. Pegasus Books, New York, NY, USA, 2010. ISBN 1-60598-084-6. xiv + 576 pp. LCCN QC773 .B24 2010.

Bernstein:2014:CBO

- [4263] Jeremy Bernstein. *A Chorus of Bells and Other Scientific Inquiries*. World Scientific Publishing Co., Singapore; Philadelphia, PA, USA; River Edge, NJ, USA, 2014. ISBN 981-4578-94-0 (hardcover). xi + 275 pp. LCCN Q173 .B53 2014.

Bishop:2017:FPA

- [4264] Christopher J. Bishop and Y. (Yuval) Peres. *Fractals in Probability and Analysis*, volume 162 of *Cambridge studies in advanced mathematics*. Cambridge University Press, Cambridge, UK, 2017. ISBN 1-107-13411-0 (hardcover), 1-316-86692-0, 1-316-46023-1 (e-book). ix + 402 pp. LCCN QA614.86 .B57 2017.

Briggs:2011:SDC

- [4265] Asa Briggs. *Secret Days: Code-Breaking in Bletchley Park*. Frontline Books, London, UK, 2011. ISBN 1-84832-615-7. xix + 202 + 26 pp. LCCN D810.C88 B75 2011.

Chelikowsky:2018:IQM

- [4266] James R. Chelikowsky. *Introductory Quantum Mechanics with MATLAB For Atoms, Molecules, Clusters, and Nanocrystals*. Wiley-VCH, Weinheim, Germany, 2018. ISBN 3-527-40926-2 (paperback), 3-527-65501-8 (e-book), 3-527-65499-2 (Mobipocket ebook), 3-527-65500-X (ePub ebook), 3-527-65501-8 (PDF ebook). 240 pp. LCCN QC174.17.D37 .C445 2019. URL <http://swbplus.bsz-bw.de/bsz506870707cov.htm>; <http://www.wiley-vch.de/publish/dt/books/ISBN978-3-527-40926-6/>.

Cooper:2017:PDH

- [4267] Malcolm (Malcolm J.) Cooper and Jim Grozier. *Precise Dimensions: a History of Units from 1791–2018*. IOP expanding physics, [IOP release 4]. Institute of Physics Publishers, Bristol, UK, 2017. ISBN 0-7503-1485-0 (hardcover), 0-7503-1486-9 (mobi), 0-7503-1487-7 (e-book). ISSN 2053-2563. 181 (est.) pp. LCCN QC86 .C667 2017eb. URL <http://iopscience.iop.org/book/978-0-7503-1487-9>.

delaPena:1996:QDI

- [4268] Luis de la Peña and Ana María Cetto. *The Quantum Dice: an Introduction to Stochastic Electrodynamics*, volume 75 of *Fundamental theories of physics*. Kluwer Academic Publishers, Norwell, MA, USA, and Dordrecht, The Netherlands, 1996. ISBN 0-7923-3818-9 (hardcover). xvi + 509 pp. LCCN QC631 .P383 1996. URL <http://www>.

[loc.gov/catdir/enhancements/fy0813/95040168-d.html](http://www.loc.gov/catdir/enhancements/fy0813/95040168-d.html); <http://www.loc.gov/catdir/enhancements/fy0813/95040168-t.html>.

DiBartolo:2014:CSL

- [4269] Baldassare Di Bartolo and Richard C. (Richard Conger) Powell. *Crystal Symmetry, Lattice Vibrations and Optical Spectroscopy of Solids: a Group Theoretical Approach*. World Scientific Publishing Co., Singapore; Philadelphia, PA, USA; River Edge, NJ, USA, 2014. ISBN 981-4579-20-3 (hardcover). xviii + 515 pp. LCCN QC176.8.L3 D53 2014.

Donoghue:1992:DSM

- [4270] John F. Donoghue, Eugene Golowich, and Barry R. Holstein. *Dynamics of the Standard Model*, volume 2 of *Cambridge monographs on particle physics, nuclear physics, and cosmology*. Cambridge University Press, Cambridge, UK, 1992. ISBN 0-521-36288-1 (hardcover). xviii + 540 pp. LCCN QC794.6.S75 D66 1991. URL <http://www.loc.gov/catdir/description/cam032/91019007.html>; <http://www.loc.gov/catdir/toc/cam032/91019007.html>.

Ellis:2016:HCP

- [4271] George Ellis. *How Can Physics Underlie the Mind?: Top-Down Causation in the Human Context*. Frontiers Collection. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 2016. ISBN 3-662-49807-3. xxvi + 482 pp. LCCN QC6 .E45 2016. URL <http://link.springer.com/10.1007/978-3-662-49809-5>.

Forgan:2019:SFP

- [4272] Duncan Forgan. *Solving Fermi's Paradox*, volume 10 of *Cambridge astrobibliography*. Cambridge University Press, Cambridge, UK, 2019. ISBN 1-107-16365-X (hardcover), 1-316-68151-3 (e-book). xvii + 413 pp. LCCN QB54 .F77945 2019.

Fox:2014:WWN

- [4273] Michael H. Fox. *Why We Need Nuclear Power: the Environmental Case*. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 2014. ISBN 0-19-934457-4 (hardcover). xii + 306 pp. LCCN TK9153 .F69 2014.

Frankel:2012:CDC

- [4274] Henry Frankel. *The Continental Drift Controversy*. Cambridge University Press, Cambridge, UK, 2012. ISBN 0-521-87504-8 (vol. 1: hardcover), 0-521-87505-6 (vol. 2: hardcover), 0-521-87506-4 (vol. 3: hard-

cover), 1-107-01994-X (vol. 4: hardcover), 0-521-87507-2. LCCN ???? 4 volume set.

Fultz:2014:PTM

- [4275] B. (Brent) Fultz. *Phase Transitions in Materials*. Cambridge University Press, Cambridge, UK, 2014. ISBN 1-107-06724-3. xxiv + 563 pp. LCCN QC175.16.P5 F86 2014. URL <http://www.loc.gov/catdir/enhancements/fy1408/2013046223-b.html>; <http://www.loc.gov/catdir/enhancements/fy1408/2013046223-d.html>; <http://www.loc.gov/catdir/enhancements/fy1408/2013046223-t.html>.

Girifalco:2008:UFG

- [4276] Louis Girifalco. *The Universal Force: Gravity — Creator of Worlds*. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 2008. ISBN 0-19-922896-5, 0-19-152797-1 (e-book), 1-281-15020-7. xx + 297 pp. LCCN QC178 .G555 2008.

Giustino:2014:MMU

- [4277] Feliciano Giustino. *Materials modelling using density functional theory: properties and predictions*. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 2014. ISBN 0-19-966243-6 (hardcover), 0-19-966244-4 (paperback), 0-19-163942-7 (e-book). xi + 286 pp. LCCN TA403.6 .G58 2014. URL <http://catdir.loc.gov/catdir/enhancements/fy1503/2013953616-b.html>; <http://catdir.loc.gov/catdir/enhancements/fy1503/2013953616-d.html>; <http://catdir.loc.gov/catdir/enhancements/fy1503/2013953616-t.html>.

Graham-Smith:2013:UCUa

- [4278] Francis Graham-Smith. *Unseen Cosmos: the Universe in Radio*. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 2013. ISBN 0-19-966058-1 (hardcover). vii + 238 + 8 pp. LCCN QB477 .G733 2013; QB477 .G74 2013.

Green:2016:CMC

- [4279] Dan Green. *Cosmology with MATLAB: with companion media pack*. World Scientific Publishing Co. Pte. Ltd., Singapore, 2016. ISBN 981-310-839-8 (hardcover), 981-310-840-1 (paperback). xi + 250 pp. LCCN QB981 .G74 2016.

Hagar:2014:DCQ

- [4280] Amit Hagar. *Discrete or continuous? The quest for fundamental length in modern physics*. Cambridge University Press, Cambridge, UK, 2014.

ISBN 1-107-06280-2, 1-139-95816-X (e-book), 1-139-96027-X (e-book), 1-107-47734-4 (e-book), 1-139-95921-2 (e-book). xi + 267 pp. LCCN QC173.59.S65 H34 2014.

Hirose:2011:QTC

- [4281] Kenji Hirose and Nobuhiko Kobayashi. *Quantum transport calculations for nanosystems*. Pan Stanford, Singapore, 2011. ISBN 981-4267-32-5 (hardcover). xvii + 523 pp. LCCN QC175.23 .H576 2014.

Iben:2012:SEP

- [4282] Icko Iben. *Stellar Evolution Physics*. Cambridge University Press, Cambridge, UK, 2012. ISBN 1-107-60253-X (hardback: set), 1-107-01657-6 (hardback: v. 2). xvi + 1495 (vol. 2) pp. LCCN QB806 .I24 2012.

Jackson:2004:KPC

- [4283] Kenneth A. Jackson. *Kinetic Processes: Crystal Growth, Diffusion, and Phase Transitions in Materials*. Wiley-VCH, Weinheim, Germany, 2004. ISBN 3-527-30694-3. xv + 409 pp. LCCN QC174.9 .J33 2004. URL <http://www.loc.gov/catdir/enhancements/fy0620/2004303465-b.html>; <http://www.loc.gov/catdir/enhancements/fy0620/2004303465-d.html>; <http://www.loc.gov/catdir/toc/wiley051/2004303465.html>

Jacobs:2014:QMT

- [4284] Kurt (Kurt Aaron) Jacobs. *Quantum Measurement Theory and its Applications*. Cambridge University Press, Cambridge, UK, 2014. ISBN 1-107-02548-6 (hardcover). xii + 544 pp. LCCN QC174.17.M4 J33 2014.

Jarozskiewicz:2014:PDT

- [4285] George Jarozskiewicz. *Principles of Discrete Time Mechanics*. Cambridge monographs on mathematical physics. Cambridge University Press, Cambridge, UK, 2014. ISBN 1-107-03429-9. xiv + 365 pp. LCCN QC174.13 .J37 2014. URL <http://www.loc.gov/catdir/enhancements/fy1408/2013039555-b.html>; <http://www.loc.gov/catdir/enhancements/fy1408/2013039555-d.html>; <http://www.loc.gov/catdir/enhancements/fy1408/2013039555-t.html>.

Koberlein:2013:ATC

- [4286] Brian Koberlein and David D. Meisel. *Astrophysics through computation: with Mathematica support*. Cambridge University Press, Cambridge, UK, 2013. ISBN 1-107-01074-8 (hardcover), 0-511-86317-9 (e-book). ix + 372 pp. LCCN QB462.2 .K63 2013.

Kraftmakher:2007:EDP

- [4287] Yaakov Kraftmakher. *Experiments and demonstrations in physics*. Bar-Illan Physics Laboratory. World Scientific Publishing Co., Singapore; Philadelphia, PA, USA; River Edge, NJ, USA, 2007. ISBN 981-256-602-3, 981-270-538-4 (rúst.). x + 533 pp. LCCN ????

Layzer:1990:CGO

- [4288] David Layzer. *Cosmogogenesis: The Growth of Order in the Universe*. Oxford Paperbacks. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 1990. ISBN 0-19-506908-0. ix + 322 pp. LCCN ????

Lemons:2017:SGD

- [4289] Don S. (Don Stephen) Lemons. *A Student's Guide to Dimensional Analysis*. Cambridge University Press, Cambridge, UK, 2017. ISBN 1-107-16115-0 (hardcover), 1-316-61381-X (paperback), 1-316-67616-1 (e-book). xii + 102 pp. LCCN TA347.D5 L46 2017.

Lenton:2011:RME

- [4290] Tim (Timothy) Lenton and A. J. (Andrew J.) Watson. *Revolutions That Made the Earth*. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 2011. ISBN 0-19-958704-3. xii + 423 pp. LCCN QH343.4 .L46 2011. URL <http://www.loc.gov/catdir/enhancements/fy1110/2010038457-b.html>; <http://www.loc.gov/catdir/enhancements/fy1110/2010038457-d.html>; <http://www.loc.gov/catdir/enhancements/fy1110/2010038457-t.html>.

Lewis:2017:FUL

- [4291] Geraint F. Lewis, Luke A. Barnes, and Brian Schmidt. *A fortunate universe: life in a finely-tuned cosmos*. Cambridge University Press, Cambridge, UK, 2017. ISBN 1-107-15661-0 (hardcover), 1-316-71648-1 (e-book), 1-316-71634-1, 1-316-71606-6, 1-316-66141-5. xvii + 373 pp. LCCN Q172.5.C45 L4845 2017.

Monk:2012:ICL

- [4292] Ray Monk. *Inside the Centre: the Life of J. Robert Oppenheimer*. Jonathan Cape, London, UK, 2012. ISBN 0-224-06262-X (hardcover). xiv + 818 + 32 pp. LCCN QC16.O62 M66 2012.

Ohanian:1976:GS

- [4293] Hans C. Ohanian. *Gravitation and Spacetime*. Norton, New York, NY, USA, 1976. ISBN 0-393-09198-8. xiv + 461 pp. LCCN QC178 .O35.

Ohanian:1994:GS

- [4294] Hans C. Ohanian and Remo Ruffini. *Gravitation and Spacetime*. Norton, New York, NY, USA, second edition, 1994. ISBN 0-393-96501-5. xv + 679 pp. LCCN QC178 .O35 1994.

Ohanian:2013:GS

- [4295] Hans C. Ohanian and Remo Ruffini. *Gravitation and Spacetime*. Cambridge University Press, Cambridge, UK, third edition, 2013. ISBN 1-107-01294-5 (hardcover). xvi + 528 pp. LCCN QC178 .O35 2013.

OMeara:1997:DSC

- [4296] Stephen James O’Meara. *Deep-Sky Companions — The Messier Objects*. Cambridge University Press, Cambridge, UK, 1997. ISBN 0-521-55332-6, 0-933346-85-9. xiv + 304 pp. LCCN QB65.O44 1997. Foreword by David H. Levy.

OMeara:2014:DSC

- [4297] Stephen James O’Meara. *Deep-Sky Companions*. Cambridge University Press, Cambridge, UK, second edition, 2014. ISBN 1-107-78562-6, 1-107-01837-4 (hardcover). xiv + 409 pp. LCCN QB65 .O44 2014.

Purrington:2018:HAC

- [4298] Robert D. Purrington. *The Heroic Age: the Creation of Quantum Mechanics, 1925–1940*. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 2018. ISBN 0-19-065517-8 (hardcover). xv + 403 pp. LCCN QC173.98 .P87 2018.

Rau:2014:BPPa

- [4299] A. R. P. (A. Ravi P.) Rau. *The beauty of physics: patterns, principles, and perspectives*. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 2014. ISBN 0-19-870991-9 (hardcover), 0-19-178018-9 (e-book). xii + 219 pp. LCCN QC21.3 .R38 2014.

Raymer:2017:QPW

- [4300] Michael G. Raymer. *Quantum Physics: What Everyone Needs to Know? What Everyone Needs to Know*. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 2017. ISBN 0-19-025071-2 (paperback), 0-19-025072-0 (hardcover), 0-19-025074-7 (e-book). xxii + 306 pp. LCCN QC174.12 .R387 2017.

Resag:2018:FHP

- [4301] Jörg Resag. *Feynman and His Physics: The Life and Science of an Extraordinary Man*. Springer Biographies. Springer International Pub-

lishing, Cham, Switzerland, 2018. ISBN 3-319-96835-1 (print), 3-319-96836-X (e-book), 3-319-96837-8. ISSN 2365-0613 (print), 2365-0621 (electronic). xii + 319 pp. LCCN QC16.F49 R4713 2018.

Schrijver:2015:LSH

- [4302] Karel Schrijver and Iris Schrijver. *Living with the stars: how the human body is connected to the life cycles of the Earth, the planets, and the stars*. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 2015. ISBN 0-19-872743-7 (hardcover). ix + 202 pp. LCCN ????

Schrijver:2018:OTB

- [4303] Karel Schrijver. *One of ten billion earths: how we learn about our planet's past and future from distant exoplanets*. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 2018. ISBN 0-19-186486-2, 0-19-879989-6 (hardcover), 0-19-256021-2 (e-book). xi + 460 + 16 pp. LCCN QB820 .S357 2018.

Schwartz:2017:LMW

- [4304] David N. Schwartz. *The Last Man Who Knew Everything: the Life and Times of Enrico Fermi, Father of the Nuclear Age*. Basic Books, New York, NY, USA, 2017. ISBN 0-465-07292-5 (hardcover), 0-465-09312-4 (e-book). xxiii + 453 pp. LCCN QC16.F46 S39 2017.

Stuewer:2018:AIN

- [4305] Roger H. Stuewer. *The Age of Innocence: Nuclear Physics Between the First and Second World Wars*. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 2018. ISBN 0-19-186658-X, 0-19-882787-3 (hardback), 0-19-256290-8 (e-book). xv + 484 pp. LCCN QC773 .S78 2018.

Svistunov:2015:SSM

- [4306] Boris Svistunov, Egor Babaev, and Nikolay Prokofiev. *Superfluid States of Matter*. Taylor and Francis Group, Boca Raton, FL, 2015. ISBN 1-4398-0275-0 (hardcover). xxi + 561 pp. LCCN QC175.4 .S85 2015.

Thorne:2014:SI

- [4307] Kip S. Thorne. *The Science of Interstellar*. W. W. Norton and Company, New York, NY, USA, 2014. ISBN 0-393-35137-8 (paperback). x + 324 pp. LCCN PN1997.2.I635 T49 2014; PN1995.9.S26 T49 2014. Foreword by Christopher Nolan.

Thorpe:2006:OTI

- [4308] Charles Thorpe. *Oppenheimer: the Tragic Intellect*. University of Chicago Press, Chicago, IL, USA and London, UK, 2006. ISBN

0-226-79845-3 (hardcover), 0-226-79846-1 (paperback). xx + 413 + 12 pp. LCCN QC16.O62 T56 2006. URL <http://www.loc.gov/catdir/enhancements/fy0666/2006015223-b.html>; <http://www.loc.gov/catdir/enhancements/fy0666/2006015223-d.html>; <http://www.loc.gov/catdir/enhancements/fy0666/2006015223-t.html>.

Tripon-Canseliet:2014:NME

- [4309] Charlotte Tripon-Canseliet and Jean Chazelas. *Nanoscale microwave engineering: optical control of nanodevices*. FOCUS: Nanoscience and Nanotechnology Series, FOCUS Series. ISTE, London, UK, 2014. ISBN 1-84821-587-8, 1-118-92539-4 (e-book). ISSN 2051-249X. xiii + 120 pp. LCCN TK7876 .T757 2014.

Unser:2014:ISS

- [4310] Michael A. Unser and Pouya Tafti. *An Introduction to Sparse Stochastic Processes*. Cambridge University Press, Cambridge, UK, 2014. ISBN 1-107-05854-6 (hardcover). xviii + 367 pp. LCCN QA274.23 .U57 2014.

Vigdor:2018:SAV

- [4311] Steven E. Vigdor. *Signatures of the Artist: the Vital Imperfections That Make Our Universe Habitable*. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 2018. ISBN 0-19-185295-3, 0-19-881482-8 (hardcover), 0-19-254676-7 (e-book). xv + 345 pp. LCCN QB461.3 .V54 2018.

Wasserman:2018:PTT

- [4312] Ryan Wasserman. *Paradoxes of Time Travel*. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 2018. ISBN 0-19-879333-2 (hardcover), 0-19-184198-6 (e-book), 0-19-251181-5 (e-book). x + 250 pp. LCCN QC173.59.S65 W37 2018; BD632 .W38 2018.

Weaire:1999:PF

- [4313] Denis Weaire and Stefan Hutzler. *The Physics of Foams*. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 1999. ISBN 0-19-850551-5, 0-19-851097-7. xiii + 246 pp. LCCN QD549 .W254 1999.

Wickramasinghe:2015:SOC

- [4314] Chandra Wickramasinghe. *The Search for Our Cosmic Ancestry*. World Scientific Publishing Co., Singapore; Philadelphia, PA, USA; River Edge, NJ, USA, 2015. ISBN 981-4616-96-6 (hardcover), 981-4616-97-4 (softcover). xx + 196 pp. LCCN QH326 .W534 2015.

Woodward:2013:MSS

- [4315] James F. (James Francis) Woodward. *Making Starships and Stargates: the Science of Interstellar Transport and Absurdly Benign Wormholes*. Springer-Praxis books in space exploration. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 2013. ISBN 1-4614-5622-3 (paperback). xxvi + 279 pp. LCCN TL790 .W66 2013.

Woolfson:2007:FSS

- [4316] M. M. Woolfson. *The formation of the solar system: theories old and new*. Imperial College Press, London, UK, 2007. ISBN 1-86094-824-3 (hardcover). xxii + 318 pp. LCCN QB503 .W659 2007.

Zewail:2014:VMR

- [4317] Ahmed H. Zewail. *4D visualization of matter: recent collected works*. Imperial College Press, London, UK, 2014. ISBN 1-78326-505-1 (paperback), 1-78326-504-3, 1-78326-506-X (e-book). xvi + 409 pp. LCCN QC173.59.S65 Z45 2014.

Brink:2014:NLP

- [4318] Lars Brink, editor. *Nobel Lectures, Physics, 2006–2010*. World Scientific Publishing Co., Singapore; Philadelphia, PA, USA; River Edge, NJ, USA, 2014. ISBN 981-4612-67-7 (hardcover), 981-4612-68-5 (paperback). xii + 371 pp. LCCN QC71 .N63 2014.

Cherry:2015:EVB

- [4319] Simon R. Cherry, Ramsey D. Badawi, and Jinyi Qi, editors. *Essentials of In Vivo Biomedical Imaging*. CRC Press/Taylor and Francis Group, Boca Raton, FL, USA, 2015. ISBN 1-4398-9874-X (hardcover). xvi + 272 pp. LCCN RC78.7.D53 E88 2015.

Davies:2014:INR

- [4320] P. C. W. Davies and Niels Henrik Gregersen, editors. *Information and the Nature of Reality: From Physics to Metaphysics*. Cambridge University Press, Cambridge, UK, canto classics edition, 2014. ISBN 1-107-68453-6 (paperback). xvii + 487 pp. LCCN BD701 .I49 2014.

Dine:2012:STA

- [4321] Michael Dine, Tom Banks, and Subir Sachdev, editors. *String theory and its applications: TASI 2010, from meV to the Planck scale: Proceedings of the 2010 Theoretical Advanced Study Institute in Elementary Particle Physics*. World Scientific Publishing Co., Singapore; Philadelphia, PA,

USA; River Edge, NJ, USA, 2012. ISBN 981-4350-51-6 (hardcover).
LCCN QC793 .T44 2010.

Enz:2002:NTB

- [4322] Charles P. (Charles Paul) Enz. *No Time to be Brief: a Scientific Biography of Wolfgang Pauli*. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 2002. ISBN 0-19-856479-1. viii + 573 pp. LCCN QC16.P37 E59 2002. URL <http://www.loc.gov/catdir/enhancements/fy0614/2002726902-d.html>; <http://www.loc.gov/catdir/enhancements/fy0614/2002726902-t.html>.

Gan:2014:HMO

- [4323] Fuxi Gan and Shouyun Tian, editors. *History of Modern Optics and Optoelectronics Development in China*, volume 1 of *Series on archaeology and history of science in China*. World Scientific/World Century, Hackensack, NJ, USA, 2014. ISBN 981-4518-75-1 (hardcover). xx + 372 pp. LCCN QC352 .H57 2014.

Jones:2004:IGC

- [4324] Mark H. (Mark Henry) Jones, Robert J. Lambourne, D. J. (David John) Adams, et al., editors. *An Introduction to Galaxies and Cosmology*. Open University, Milton Keynes, UK, 2004. ISBN 0-521-83738-3, 0-521-54623-0 (paperback). vi + 442 pp. LCCN QB857 .I67 2004. URL <http://www.loc.gov/catdir/description/cam051/2004301655.html>; <http://www.loc.gov/catdir/toc/cam051/2004301655.html>.

Jones:2015:IGC

- [4325] Mark H. (Mark Henry) Jones, Robert J. Lambourne, and Stephen Serjeant, editors. *An Introduction to Galaxies and Cosmology*. Cambridge University Press, Cambridge, UK, second edition, 2015. ISBN 1-107-49261-0 (paperback). xviii + 432 pp. LCCN QB857 .I67 2015.