

# A Complete Bibliography of Publications in *SIAM Journal on Mathematical Analysis* for 2010–2019

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## Title word cross-reference

(1 + 3) [CCLM15]. (1 + 4) [LMTT15].  
( $N - 1$ ) [Tan15].  $(t, x)$  [BT12].  $-x \cdot y$   
[Che15]. 1 [BOO18, CSW15, CN15, CM19,  
GM10, GMM13, JWX13, KT18, Per10,  
Sug16, WX11, XYY19]. 2  
[AHKM15, BP19, BM12b, CWY14, DSZ19,  
Dro18, DYZ19b, ER19, FY13a, HHK18,  
Kim09, Kim13, LWY18, LW14b, SWZ15,  
WWX15, XY18, YZZ10, ZT17].  $2n/(n + 2)$   
[CLW12]. 3 [BYH15, CW16, CS10b,  
CHS13a, FT17, FQ11, GL12, Kha13, KLL12,  
Lau10, LXZ13, LWY18, MZZ12, PR13].  
 $A = B = C = 1$  [XYZ16].  $\alpha^2$  [GLT10].  
 $B_{1RevTilted}$  [GCGJL18].  $BV$  [FF12].  $C^{1,\alpha}$   
[Che15].  $C^2$  [GL12].  $C^\infty$  [LWZ16].  $C^\omega$   
[LWZ16].  $d$  [WW18].  $D^2$  [GM10].  $\dot{B}_{2,1}^{5/2}$   
[MOR+16].  $\dot{H}^{3/2}$  [MOR+16].  $\dot{H}^{5/2}$   
[MOR+16].  $\dot{H}^s$  [HF13, Mur14].  $G$   
[MMT19, XY14].  $\Gamma$   
[DFP14a, DFP14b, Gin19, JS14, Olb19,  
AZ12, Moa11, SZ12b, PSV10].  $H$  [BRS17].  
 $H^m(\mathbf{R}^3)$  [DS14].  $H^s(\mathbf{T}^n)$  [Wan13].  $H_{c_1}$   
[Pen17].  $\text{int}(K^{lc})$  [RZZ18].  $\kappa$  [DWZ10].  $L^1$   
[CNSS17, EJ14, OSW19].  $L^2$   
[CJ19, KM17, KPR15].  $L^2(\mathbf{R}^d)$  [BJLO17].  
 $L^3$  [JS13a].  $L^\infty$   
[Kat19, Ohn14, Ohn16, DT15, FHK11].  $L^p$   
[ZF12, vNVW12].  $L_2$  [HNSW11].  $L_2(\mathbf{R}^n)$   
[HR12].  $L_\infty$  [HNSW11].  $L_p$  [Mar18, MP12].  
 $m$  [KM18].  $\mathbf{R}^2$  [HKT18, NN19].  $\mathbf{R}^3$   
[Dai17, DSY18, FPZ14].  $\mathbf{R}^d$  [BM19].  $\mathbf{R}^N$   
[BC14, KM18, FQ16].  $\mathbf{S}^1$  [GMM13].  $N$   
[Miz11, Tan15, YZ16, HMW11, Rei18].  $p$

[BFDJ13, Gas19, GT16, Mei10, MRS16, SZ12a, ST19, Xu18].  $p(x)$  [BGL16].  $P^\top P$  [GS17].  $Q$  [ADL14, BCS15, CRWX16, Dai17, GGRB14, PZ11].  $R$  [LWX11].  $R^3$  [Wan12].  $R^N$  [Moa11].  $s$  [BV10].  $S^2$  [GM10].  $T_n^{(k)}$  [NNS18].  $V$  [dlHHMV16].  $\varphi$  [Tak13].  $W^{1,1}$  [BKK18].  $W_2^1$  [Kry10].

**-Body** [CCLM15, Rei18, YZ16]. **-Bounds** [Mur14]. **-Convergence** [PSV10, AZ12, BRS17, DFP14a, DFP14b, Moa11]. **-currents** [MMT19]. **-D** [CN15, CHS13a, CM19, FY13a, FQ11, Kha13, MZZ12, Per10, SWZ15, XYY19]. **-Dimensional** [BP19, HMW11, LWY18, WW18, ZT17, BOO18, LMTT15, Tan15]. **-Dynamo** [GLT10]. **-Equation** [XY14]. **-Estimates** [MP12]. **-Exponential** [Tak13]. **-Harmonic** [Gas19, GM10, GMM13]. **-Initial** [JS13a]. **-Laplace** [GT16, Xu18]. **-Laplacian** [MRS16, SZ12a, ST19]. **-Laplacian-like** [BGL16]. **-Limit** [Gin19, Olb19, SZ12b]. **-Limits** [JS14]. **-Norm** [CJ19]. **-Peakon** [HHK18]. **-Points** [BV10]. **-Regularity** [vNVW12]. **-Schrödinger** [BFDJ13]. **-Soliton** [Miz11]. **-Solutions** [KPR15]. **-Sphere** [DSZ19]. **-Stability** [Ohn14, Ohn16]. **-States** [dlHHMV16]. **-System** [Mei10]. **-Tensor** [KM18, BCS15, CRWX16, GGRB14, PZ11, ADL14, Dai17]. **-type** [OSW19].

.

1 [Val15].

2 [GS18].

**ABC** [XYZ16]. **Absence** [Daf14, LvR15]. **Absorbing** [AKKL17, HJJ18]. **Absorption** [EP12, GM15, Kal12, KL18a, LS12a]. **Abstract** [HS10c]. **Accelerated** [GK10, Hal12, HS14]. **Accelerating** [Gar11].

**Account** [EW18]. **Accuracy** [Che14]. **Acoustic** [AZ17, CM14, GLZ17, IN13, Liu18a, NUW11, Ngu13, Spe14]. **Acoustic-Elastic** [GLZ17]. **Acoustical** [BV10]. **Acousto** [CS17]. **Acousto-Optic** [CS17]. **Acting** [CNR17]. **Action** [AHP13b, Bor19, Pan12b]. **Active** [CMWZ18, GPPP13, Gli13, HKK13]. **Addendum** [BA12, CK13]. **Additional** [LT11, Olb19]. **Adhesion** [DGVBW10]. **Adhesive** [Rou13]. **Adjoint** [BC11, Sen17]. **Adjointness** [Kre19]. **Admissible** [HR15]. **Advection** [AKKL17, EF15, Fis13, GKR18, Lam12, ASS16]. **Advection-Diffusion** [EF15]. **Advection-Driven** [Fis13]. **Affine** [AMW10, RZZ18]. **Aggregation** [BGL12, BGLV16, CKY13, Don11, Kai17]. **Aharonov** [AF16]. **Airy** [FK19a, GHH17, MS18a]. **Aleksandrov** [BL19]. **Alfvén** [RZ17]. **Algebraic** [Bra16, LW12, MP16]. **Algebraically** [vBM14]. **Algebro** [HGW14, HZFQ13]. **Algebro-geometric** [HGW14, HZFQ13]. **Algorithm** [ABCD<sup>+</sup>18]. **Algorithms** [BCD<sup>+</sup>11, YMYC10]. **Allen** [MT16, XZL10, AAD13, ABBK16, MT15, Tan15]. **Almost** [AMW10, CL17, KZ11, MO14, NPS13, Oh15]. **Along** [HHR17, PPPV16]. **Alpert** [GI15, GIV17]. **Alzheimer** [BFTT18]. **Ambrosio** [FI14, FL17]. **Among** [BLS15, Bét16]. **Ampère** [DF13, LR17]. **Amphiphilic** [DP15]. **Amplitude** [KDT19, RZ16, Whe13]. **Analysis** [ALS15, AAGP18, AAK14, ADK15, AH16, ÁCDP14, AV16, AZ12, ADHZ15, BC17a, BMSR<sup>+</sup>13, BTZ15, Bos16, BP12b, BP14b, BPZ17, BL15, Cal15, CF11, CL13a, CDM13, CDR17, CFO19, CSZ19, CV12, DDGVM18, DMZ19, DSX17, ES10, EP12, FGN13, FI14, FFGHR17, FHX10, GLZ17, GI15, Gro10, HO15, IISD15, Ito18, JS13b, JMZ18, KM18, Lei13, LJ17, LZ19, MR15, NS13, NKV19, PUW18, Pra13, QWE19, Rey12, RP18, ST19, Tay18, WNRJ13, WK17, Zha19].

**Analytic** [HS13]. **Analytical** [CS14a, CT14, LM14, LX17c]. **Analyticity** [EMZ17, Hen10, MPN14]. **Analyzing** [Lau18]. **Anderson** [BFK16]. **Angelesco** [GIV17]. **Angle** [AAD13, Fel18, Mer18]. **Angles** [Wol19]. **Anisotropic** [AC14, BAC12, CGM16, CM11, CHN18, CP19, De 18, DDM18, EW15a, FK19b, FHMP16, GSV19, HMN14, KLS15, LV12, Mil18, MRV12, TZ15, Zha14]. **Annuli** [AKKY17]. **Anomalous** [AKKY17, DN18, LL16b, MN18, Ngu17, Rey12]. **Ansatz** [Fri19, LXY19]. **Antiplane** [HO15]. **Any** [CK12]. **Anyon** [AN15]. **Appearing** [FK19b, Kia16]. **Application** [AHP13a, APSV19, ACZ14, AV16, BFV17, DSZ19, FL15, GP14, HZ10, LL18a, LN10, MM18a, MS18a, MS13a, MR15, PT11, ZBL19, BOS17]. **Applications** [AR19, BBR19, BS16b, BSW16, BMC18, BDWZ12, CLW17, CD11, Cri19, EW15a, EMZ17, FK13, Fri18, HMS14, HS16, Ign10, IT15, KPS18, Kol11, KMS15, LMR15, RTY16, Sch18b, vBM14]. **Applied** [ABGS10, AC14, DWZ10]. **Approach** [ALS15, AH18, AMP10, ALZ19, BP12a, BBS11, CCLCP13, CWE10, CS14a, CN15, DNS12, FG15, GPPP13, Gie14, GPI18, LS17, MT13, MZ18, MOS14, MSTY16, MZ13, SV19, Sou19]. **Approaches** [GO18]. **Approaching** [LTW14]. **Approximate** [NV12, Ngu13, NT19, dHGR14]. **Approximating** [CDZ13, Mil18]. **Approximation** [AF15, AM15, And12, AP14, BFGPE<sup>+</sup>12, Beb16, BM10, BB10a, BFG<sup>+</sup>13, BOO18, BLS15, BPW15, CMP13, Che14, CM12, CL13b, CT14, Cri19, DS10a, DNWW19, DKS16, FL17, FHK13, Gie14, GR13b, HNW10, HNSW11, Han18, HS13, J LX15, LS13c, MZZ12, PSSW15, WU14a, YMYC10]. **Approximations** [BHXY12, CT11, GS19, Hal12, Hal13, KLL12, LSW17, ZCO16]. **Aquatic** [HKK17]. **Arbitrarily** [BACP18]. **Arbitrary** [BHND18, LS13a, Ngu17]. **Arc** [And12]. **Area** [CL13b, Dai10, GL15, SSST15]. **Area-Preserving** [Dai10]. **Area-Type** [SSST15]. **Arguments** [DLZ15]. **Arise** [GLS10]. **Arising** [BG17, CGP13, DFT17, DX19, DH10, ERV17, HLWW18, J LX15, NOS12, PPPV16, Rou13, TW18b, ZLMZ18]. **Artifacts** [Ngu15, PUW18]. **Artificial** [MMP13]. **Assisted** [LJ17]. **Associated** [Bar14, BC11, FL19]. **Assumption** [AP15]. **Assumptions** [Kry13]. **Asymmetric** [BWW14, RW14]. **Asymptotic** [ADK15, AIK10, AZ12, BT16, BC17a, BFG<sup>+</sup>13, Bia18, BDT12, Bos19, BP12b, Bre13, Can10a, Can10b, CFRT10, CDLLSG13, CF11, CL18, CY19, CH11a, CDK11, CEQW16, Cui13, DS14, Dek19, DS13, DSX17, Duc10, DIT15, DM14, DGVBW10, EP12, FRX19, FI14, FFGHR17, DFHM14, GM17b, Ghi13, GMT16, GW13, GH12, HMWY11, IKM17, JLL13, Mae17, MPR10, MY12, Mei10, Mor19, MR15, Ngu10, NOS12, Ohn15, PZZ19, Pol17, Pra13, Rei18, RP18, ST11, UWK12, WFL12, WK17, XY14, XYY19, Yam13, YZZ10, Yao19, YZ15, Yos17, Yos18, Yam16]. **Asymptotically** [MW17]. **Asymptotics** [AP11, BHND18, BC17b, CK11, CK13, CG10a, CQW18, Dan17, DF10, ET16, Gna15, HY14, KL18b, Len16, Per10, PY14, TZ13, dMIS10]. **Atmospheres** [HCHY16]. **Atmospheric** [LT19]. **Atom** [ZN19]. **Atoms** [CS18]. **Attachment** [GLL17, MS13b]. **Attachment-Detachment-Limited** [GLL17]. **Attachment-Limited** [MS13b]. **Attenuated** [Mon16, ST15a]. **Attenuation** [ILW16]. **Attracting** [BDFS18]. **Attracting/Repelling** [BDFS18]. **Attraction** [DFHM14, KK10]. **Attractive** [BLW19, CDNP16, GLW17, Kai17]. **Attractor** [YCW10]. **Attractors** [DN12, GGAS14, Pim16, ZK15]. **Aubry** [CGT11, DZ14]. **Aurora** [FMP18].

**Austenite** [Bev11]. **Autocatalytic** [LW12]. **Autonomous** [BBG16]. **Average** [LS13c]. **Average-Distance** [LS13c]. **Averaging** [BP10, Cer11, CL17, FS14]. **Away** [GN19]. **Axial** [HTW18]. **Axis** [Moo16, ZCO15, AAS19]. **Axisymmetric** [CS14c, DWX18, Kai10, LS13b, XZL10, Zha19].

**B** [FZ16, LZ18, SX13]. **B-Spline** [SX13]. **B.C.** [LT11]. **Background** [Dua11]. **Backscatter** [HHR09, HHR11]. **Backscattering** [BFRV13]. **Backward** [BST17b, BGT19, GS19, ST10, Ter11, YFK11]. **Bakelman** [BL19]. **Balance** [CT11, Daf14]. **Balanced** [DFT17]. **Banach** [AG17, FWW17, ZBL19]. **Band** [ALZ19, FW18a]. **Bandlimited** [Lit13]. **Barotropic** [Che19, DD16, FW18b, LZZ15]. **Barrier** [GHH17, LS15]. **Barycenter** [KP18a]. **Barycenters** [AC11, BCP19]. **Based** [ALM10, DSX17, HU13, Hel12, NN12, TW11b, XYD18, HL19a]. **Bases** [BJLO17, HR12]. **Basic** [Val15]. **Basins** [HS18]. **Basis** [BCD<sup>+</sup>11, GI15]. **Bath** [BCL11]. **Bayesian** [TSA18]. **Beam** [BT19, HTW18]. **Beams** [DFP14a, DFP14b]. **Becker** [MP16].

**Behavior** [ADHZ15, BT16, BDT12, Bos19, Bre13, Can10a, Can10b, CDLLSG13, CTW17, CY19, CH11a, Cho16, CG11, CDK11, CEQW16, Daf13, DS14, DDF18, DS13, DM14, DFHM14, GW13, Hel12, HMW11, HMWY12, IS13, LvR15, LMW17, MY12, PZZ19, QW11, Rei18, ST10, Sou19, TW15, Ter11, WFL12, Wu14b, YZZ10, YZ15, Yos17, Yos18].

**Behaviors** [BHK<sup>+</sup>19, HKR18, JWX13, LYZ16, Tak13].

**Bellman** [IS13, Zho15]. **Below** [BV13, BD18, KM17]. **Belt** [BHM17]. **Benamou** [BBS11]. **Bending** [CKZ17, XY14]. **Benjamin** [Oh10, HLR<sup>+</sup>19, Wu16, Wu17]. **Bent** [GCGJL18]. **Bent-Core** [GCGJL18]. **Besov** [Tak10, XXK13]. **Best** [Mei10, TZ15].

**Between** [ABDD19, CS18, CC11, CM13, Wei12]. **Beyond** [AHP13a]. **BGK** [Yun15]. **Bianisotropic** [IKS12]. **Biaxial** [MN16].

**Bifurcation** [CCM12, CO12, CCLM15, DVW15, FHO16, GH10, HD17, LS13b, Lóp12]. **Bifurcations** [BL14, KP18b, Sch18b]. **Bilayer** [DHPW14, HD17]. **Binary** [BOS11, GM17c, Wan11]. **Biofilm** [DMZ19]. **Biology** [HLGMMM14]. **Bioluminescence** [BCS16]. **Bipolar** [HMW11, HMWY12, ILWW18, WFL12].

**Bistable** [HMSZ13, TV18]. **Black** [ILR17]. **Blasius** [CT14]. **Bloch** [ALZ19, CGLS18, GH18]. **Block** [LWZ16]. **Block-Diagonalization** [LWZ16]. **Blow** [BK13, BH17, BH18, BCJ20, HJ11, LMR13, Rey12, VW11]. **Blow-Down** [VW11].

**Blow-Up** [BK13, BH17, BH18, BCJ20, HJ11, LMR13].

**Blowflies** [LLLM14]. **Blowing** [MOR<sup>+</sup>16]. **Blowing-Up** [MOR<sup>+</sup>16]. **Blowup** [BGL12, CDW13, GM10, Sou19].

**Bluetongue** [GRT14]. **BMO** [DK11].

**Bodies** [CJP13, Ces11, DKN11, MR15, Rou13].

**Body** [ADMR14, BL11, BL14, CS15b, CCLM15, GS12b, KM13, MPS19, NT13, Rei18, SR14, YZ16]. **Bohm** [AF16]. **Bohr** [AF17]. **Boltzmann** [Li11, ABCL18, AN15, BCG10, BCL11, Cao19, Che18, CMWY16, DJMZ16, DYZ19a, DY10, Dua11, DL15b, GPT19, HX14, HY14, HWWY13, Jia12, JX15, JZ19, KY12a, Li09, LYZ16, ILWW18, Löb18, MT19, Str10, SY14, TAGP18, Wan11, WW15, Wan18, Wu14b].

**Born** [BFGPE<sup>+</sup>12, CP13, MP14]. **Bose** [BIP16, BAC12, ER19, GM17c, GLW17, LLP16]. **Bottlenecks** [LMP11]. **Bound** [AKKL17, BV13, BCT19, Dro18, FY13a, Wal14]. **Boundaries**

[AT10, DLZ15, FKN<sup>+</sup>14, GS15a, JH18, KvMY19, KR10, Ves15]. **Boundary** [ADL14, ABL13, AI12, ADMR14, AGS13, AS13, AVP16, BMMP16, BOS17, BBT14, BKLU18, BSW16, BPS16, Beb16, BMY16, BdHQ13, BdHFS16, Ber12a, BBG12, BGLV16, BM12b, BK15b, BNDHV10, BKP13, BP12b, CDN10, CHN18, CDLLSG13, CCK18, CJN19, CDZ13, Che15, CH15, CKS15, CH19b, CGS17, CN15, CHS13a, Cui13, DDGVM18, DWY12, DSV15, DKT19, DN18, DL10, DMZ14, Ell12, ERV17, EHM16, FT17, FPVR13, GVVK16, GR13a, GP14, GW13, GX17, GSWZ18, Han18, HK15, HI19, Hof12, HLWW18, HL15, HMWY12, HJJ18, IY12, Iye19, JZ19, JT13, KMV18, KLO10, KT11, KMS15, KLS11, LL16a, Lee17, Len16, LX17a, LMZZ17, LMZZ18, LT11, LW14b, LXY19, LY19, Löb18, MPS19, Mel12, MMP13, MT15, MT16, MB16, Nes14, Ngu10, NS13, NP16, NOS12, Ohn15, Otw10, PPP13]. **Boundary** [Pra13, RSZ18, RP18, RTV17, Sal12, SZ12a, SM16, Sin10, TW18a, Ves15, WXY15b, WX19, Wan19, WNRJ13, Wol19, XY18, dHHI<sup>+</sup>14, vBW11, DL13]. **Bounded** [BPS16, BC17a, BNDHV10, CR18, CEIV17, CIN18, EJ14, GG10, HX10, HJJ18, Kai17, KPS18, KMS15]. **Boundedness** [Löb18]. **Bounding** [HNW10]. **Bounds** [AHP13a, AV19, BOS11, CQ19, CT14, HPS19, HS10c, MOR<sup>+</sup>16, Mur14, Spe14]. **Boussinesq** [DKS16, EW15a, JMWZ14, LPS13, MSZ13, SWX17, TZ18]. **Branched** [BBS11, COS16]. **Branching** [Cav12]. **Bravais** [Bét16]. **Breaking** [BFN<sup>+</sup>13, CFGL17, FV18, GL19a, HD17, HT18, LPS10]. **Brenier** [Bon13, BBS11, CGS10]. **Bresse** [MM17]. **Bridging** [BLZ16]. **Brinkman** [EG19]. **Brittle** [BLZ16]. **Brownian** [GGAS14, KUV16, LSW17]. **BSDEs** [BEH15]. **Bubble** [CCHR18, CTW13, SW11b, YT11]. **Bubbles** [RW14]. **Bubbly** [AZ17, ALZ19].

**Bulk**

[ALS15, AET18, ERV17, FKM<sup>+</sup>16, KUV16].

**Bulk-Surface**

[ALS15, AET18, ERV17, FKM<sup>+</sup>16].

**Bundles** [FGW13]. **Burgers** [AIK10, BP12a, BN14, BGN14, HI12, MZ13, ST15b].

**BV** [BBG16, CD11, Daf14, GY16b, PT18].

**BV-Regularity** [GY16b].

**Cahn** [GMT19, MT16, AAD13, ABK12, ABBK16, BBMN12, CGS17, DG11, Del18, DHPW14, EG19, KNR12, KP18b, MT15, OW14, OSW19, SP13, Tan15, XZL10].

**Calculus** [MZ13]. **Calderón**

[HPS12, KT13, KLO10]. **Calibration** [BD18]. **Camassa** [CFGL17, DIT15, GL17, GLL18, LZ17, Tan18, dMIS10]. **Can** [EW18].

**Canards** [VW15b]. **Cancer** [SSW14].

**Canonical** [KP18a]. **Cantilevered**

[HTW18]. **Cap** [BFM12]. **Capillarity**

[BC17c, Can10a, Can10b, CH13, Gie14].

**Capillarity-Viscosity** [CH13]. **Capillary**

[CP12, Hen10, MZZ12, NT18].

**Capillary-Gravity** [Hen10, MZZ12].

**Caputo** [LL18a]. **Car** [GM14, LMP11].

**Car-Following** [GM14]. **Carcinogenesis**

[GP14]. **Carrier** [CDM13, CStW17].

**Cascade** [Lei16, MS14]. **Case**

[ACM<sup>+</sup>12, BDEM18, BG14, Ber12a, Bes16, BOO18, CL17, CQW18, DP14, GIP<sup>+</sup>13, HLWW18, HL15, JT13, MS18a, NN12, RR13].

**Cases** [Kai10]. **Catastrophes** [Pao16].

**Cauchy** [AT14, AN15, DLZ12b, DLZ12a, HKT18, ILR17, LX19, LPS18, LS12b, MY12, SWX17, Yos17, Yos18, ZLMZ18].

**Cavitation** [BD18]. **Cavities**

[CCH10, CJP13, CH11b, MC14]. **Cavity**

[BYZ12, Lei10]. **Cell** [DGVBW10, EW18, GJMC12, JMNR11, NRS17, Sch18b, SSW14].

**Cells** [Gli13, GP14, ST11]. **Centennial**

[Naz12]. **Center** [NRS17, VF13, VF15].

**Centered** [ZH10]. **Central** [BL11, Moo16].

**Certain** [KZ11, LT17]. **CFIE** [CM14].

**CGO** [KS14]. **Chain** [CD11, PWW17].

**Chains** [DP14, HR10]. **Change** [Mit10, NV12]. **Changing** [BV18]. **Channel** [GJZ15, NT13]. **Chaos** [BÖ19, HS13, YFK11]. **Chaotic** [Bes12]. **Chaplygin** [CQ12]. **Chapman** [GSW16]. **Character** [Igb17]. **Characteristics** [CCMW19]. **Characterization** [BGL12, Bra16, KDT19, Lei10, MPR10, ST15a]. **Characterizing** [Kar12]. **Charge** [CCM14, CDM13, Sab13]. **Charge-Carrier** [CDM13]. **Charged** [BKR16, Bos12, BPZ17, WLT16]. **Cheap** [MM11]. **Cheeger** [BFLS12]. **Chemical** [DFT17, GLS10, JMN11, LW12, NT14]. **Chemically** [BP14b, BPZ17]. **Chemostats** [CHK15]. **Chemotactic** [AKKL17]. **Chemotaxis** [Bla18a, Fis13, GN15, HLWW18, Jia19, KK17a, NT14, TW11a, TW15, WWW12, Win15, ZZ14, ZLMZ18]. **Chemotaxis-Fluid** [Bla18a]. **Chemotaxis-Haptotaxis** [TW11a, TW15]. **Chemotaxis-Navier** [ZZ14]. **Chirality** [CFO19]. **Circle** [DL15a, JT13, Pim16, Sim16]. **Circular** [GW18, YT11]. **Circularly** [LW14b]. **Clark** [CLW17]. **Class** [AT10, BBR19, BÖ19, BST17b, BDT12, BKP13, Cal15, FZ16, FZZ18, GLS10, GLY18, GYY18, HMS14, HS16, HMN14, HHPZ17, Kar12, KZ11, LWZ18, LWX16, LT17, LX19, MPR10, MQS12, Mar10, MX19, Pas13, Sch18a, SP13, ST10, Sof18]. **Classes** [BL14, De 18, LR15b, WZ17]. **Classical** [CQX18, CC11, Cho16, DWYZ12, DLZ12a, HKN16, JLZ18, LXZ13, MP13, WZ13b, Xu11, YY10, Zhu15]. **Clausius** [Alm17]. **Climate** [ABR17]. **Cloak** [Ngu17]. **Cloaking** [AKKY17, NV12, Ngu13, Ngu17, NT19]. **Close** [LX17a, Che15]. **Closed** [DFP14b, EW15b, MJ14]. **Closest** [BBCD<sup>+</sup>18]. **Closure** [JS14]. **Cnoidal** [ETZ13]. **Coagulation** [CMM10, DF10, LvR15, Sri11]. **Coagulation-Fragmentation** [DF10, LvR15]. **Coarsening** [BOS11, MS13b]. **Coating** [BC11]. **Coefficient** [AL10, DV10, EP12, LT11, PZZ19, RZ16, WZ16, ZF10]. **Coefficients** [AB10, AC14, ACZ14, Beb16, BCD<sup>+</sup>17a, BC17c, CDL16, CMM10, DO16, DK11, DK14, FK19b, GH10, HKOP10, ILN11, ILW16, JK10, JLL10, KPZ19, Kia16, Kry10, Kry14, LYZZ14, RZ11, SSH19, Sus13, Zho15]. **Coercivity** [Zha10]. **Coherent** [Ilm16]. **Cold** [Otw10]. **Collections** [Dai10]. **Collision** [FPTT12, Jia12, Löb18, MR15]. **Collisionless** [NS13, Sch14a, Sch17]. **Collisions** [HY14]. **Column** [CCC<sup>+</sup>17]. **Combined** [Mel12]. **Combining** [KK16]. **Combustion** [Lai14]. **Coming** [CMM13]. **Communication** [CH19a]. **Commutability** [JS14]. **Commutative** [MNS11]. **Commutator** [Tak10]. **Compact** [BLS15, CCLCP13, CC11, Lau10, Syl12, Tan15]. **Compaction** [HS18]. **Compaction** [HMZ15, KLL12, WU14a]. **Compactness** [AGN19, BPS16, CL13a, FZ14, FL15, IISD15, LL18b, Vis18]. **Comparison** [RTZ17]. **Compensated** [ZCO15, ZCO16]. **Competition** [ABR17, LMS16, LTW14, Mor19]. **Competition-Diffusion** [Mor19]. **Competitive** [DP15, FGW13]. **Competitive-Cooperative** [FGW13]. **Complete** [WK17]. **Completely** [LA14]. **Completeness** [Pan12a]. **Complex** [AC14, AH16, CDW13, DFT17, FK19a, GHH17, HMZ15, Kre19, LTV17, ST15b]. **Complex-Valued** [LTV17]. **Compliance** [CLS17]. **Component** [Ber12a, CFGL17, IT15, Mil18, PSZ19b, JRK19]. **Components** [QS12]. **Composite** [ABL13, DFP14a, DFP14b, DX19, Lai18]. **Composites** [BLZ16, Bel10, Bel17, Mil18]. **Compressed** [Bar14, BCO17, BDWZ12]. **Compressible** [BP19, Bre13, CJN19, CPZ17, CMWZ18, Che12, Che14, CTW13,

CHS13a, CWYZ16, DF11, DWYZ12, DLZ12b, Evj13a, FZZ18, FGN12, FKM19, FPZ14, GT10, GJZ15, Hof12, HKT18, HHPZ17, HW17, HW13a, HW13b, HLX11, HLW12, JTW16, JK10, JLL10, JLX15, JLZ18, JWX13, JLL13, Jün10, Kot12, Kwe12, KK17b, LXZ13, LZZ15, LMW17, aLW18, Li19, LLW15, LYZZ14, LW14b, LT19, LY19, LZ18, MPZ15, NP11, PWG11, Per10, PSZ19b, QW11, SS15, SS19, SW11b, Smi17, TYZZ13, TY11, VW15a, VY16, WX11, WFL12, WXY15a, WY15, WXY15b, WZ13b, WZ17, WK17, Xu11, ZF10, Zhu15]. **Compressive** [KNW15]. **Computable** [Lee10]. **Computer** [LJ17]. **Computing** [BC11, vdBW19]. **Concavity** [SR14]. **Concentrated** [BM18, CCNP17, RP18]. **Concentration** [DR13, PPPV16]. **Concept** [ACZ14]. **Condensate** [BAC12]. **Condensates** [ER19, GM17c, GLW17]. **Condensation** [BIP16, LLP16, LS12a]. **Condensation/Evaporation** [LS12a]. **Condition** [CDLLSG13, CDZ13, CLW17, CGS17, GW13, HI19, JZ19, Kim09, KL18a, Sin10, TZ15, dCPS16, Kim13]. **Conditional** [BdHFS16, LZ18]. **Conditions** [AAD13, AS13, BMMP16, BPS16, BK15b, BL19, BNDHV10, BKP13, CN15, Ell12, EHM16, FT17, FY13b, FPVR13, GR13a, HS10a, HK15, Hof12, HJJ18, KMV18, Lee10, LL12, LS18, Löb18, MPS19, MMP13, MT15, MT16, MB16, PPP13, SM16, WXY15b, vBW11]. **Conducting** [Alm17, BPZ17, MNT13, MPZ15, NP11, WZ13b]. **Conductive** [AH13]. **Conductivities** [GIP+13, LTV17]. **Conductivity** [AHP13b, AGS13, DV10, HMN14, ILW16, LTV17, LX17a, Li19, MNT13, Ped15]. **Conduit** [EW15b]. **Cone** [AT14, HZ19]. **Cone-Like** [AT14]. **Cones** [FVW17, Lee16]. **Configurations** [BL11, Car14, HSV17, HO15, dLSZ17]. **Confined** [CCM14]. **Confinement** [AMV15, BAC12, HK10, MPS17]. **Conformal** [BK15a, HMN14, KLO10]. **Conformally** [CCFdL14, dHHI+14]. **Conic** [HZ19]. **Conical** [Moo16, MO14]. **Conjecture** [DN18, MW17, YZ16]. **Connected** [BOO18, BLS15, dHHMV16]. **Connectedness** [DNWW19]. **Connecting** [vdBMJLM11]. **Connection** [Igb12]. **Conservation** [AGN19, CR18, CW13, CD11, Daf13, DWY12, GS19, HLGMMM14, Jun14, KPS18, KMS15, MS13a, MY12, NPS18, PT18, VK18, WDL18, XYY19, Yos17, Yos18, ZLMZ18]. **Conservative** [Ell12, LPR12, LZ17]. **Conserved** [Daf14]. **Conserving** [ABBK16]. **Consistency** [Bar14, OR17]. **Consistent** [AHP13a, CH11a, RR15]. **Constant** [AFT15, BCDG16, CMM10, HNw10, HKOP10, KPR15, Li19, Zho15, vBW11]. **Constituted** [BGMŚG12]. **Constitutive** [Chu14]. **Constrained** [Koc16, MN16]. **Constraint** [Ber17, BHL18, DNWW19]. **Constraints** [AF15, AP14, CL13b, LW15]. **Construction** [CM18, HHK18, LM14, MPZ15, WU14a]. **Constructive** [FW18b, PD17]. **Contact** [BP19, BS16b, Fel18, HMS14, ILWW18, Rou13, VW15a, WX11, WY15, Wol19, ZT17]. **Contacts** [Pao16]. **Container** [GR13a]. **Containing** [DLZ12a]. **Continua** [Gas19, HWZ12]. **Continuation** [CGS10, LN10, SW18]. **Continuity** [BCDG16, CDS19, CNSS17, MS11, Sto19]. **Continuous** [AG17, ACJ12, DF10, GJMC12, Ohn14, TZ18]. **Continuum** [AG16, BCS15, BK18b, CEH14, GLL17, HD17, HY19, LX17c, TSA18]. **Contraction** [EJ14]. **Contrast** [Beb16, Bel10, Bel17, BPP15, CCC18b, PSZ19a]. **Contrasting** [GS15a]. **Contrasts** [LL16a]. **Control** [ABL13, ABØP19, BV18, FQS10, MM11, MNS11, PRT15, Sof18, Zhi19]. **Controllability** [BCS16, Lau10, dAdM18]. **Controlled** [MS16]. **Convection** [ACJ12,

BP10, CCC<sup>+</sup>17, CPT10, JT13, Poh15].

**Convection-Diffusion** [JT13, Poh15, ACJ12]. **Convective** [AH13]. **Convergence** [Ale16, AET18, AZ12, BA10, BA12, BBM12, Bia18, BCD<sup>+</sup>11, BRS17, BHWY12, CMM10, CDPS17, CPSW16, CCLCP13, CS15b, Che12, CT11, CT16, DFP14a, DFP14b, DGV16, Del18, DLZ15, FF12, FW18b, GL17, Gie14, GM13, HHR17, HY19, HMWY11, IM10, Kar12, Le10, LP19, MT15, MT16, Moa11, MPS17, MN12, NTW19, PSV10, Pen15, Pen17, SW11a, Sof18, Sri11, Xu16, dCPS16, Can10a].

**Converges** [HS19]. **Convex** [AS14, Ash13, Ber12b, BPW15, Cao19, Dai10, DS19, DK14, Feh13, Fri19, HR10, KY15, LV13, MMT19, RZZ18, Sch18a, SV18, Tan15, VK18, XYY19, DLSV12]. **Convexity** [AGN19, FGR15, Kry13, ZCO15, ZCO16].

**Conveyor** [BHM17]. **Convolution** [CM14, DL15a, PZ17]. **Convolution-Type** [PZ17]. **Convolutions** [ZBL19]. **Cooling** [AL10, ABCL18]. **Cooperative** [ÁCDP14, DP13, FGW13, ILN11].

**Coordinates** [Hyn19]. **Copolymer** [CP10, CP11, Gla17]. **Copolymer-solvent** [Gla17]. **Core** [GCGJL18]. **Cores** [BBO19]. **Corner** [Ben17, Kwe12, LX17b, ZH10]. **Corners** [Blå18b]. **Corrector** [BAP13]. **Correctors** [BFFO17, CM12, Pra13].

**Correlation** [Nov18]. **Correspondence** [AF17]. **Corrigendum** [BCJ20, HM13, Kim13]. **Corrosion** [PPPV16]. **Cosmological** [AFT15].

**Cosserat** [Gas19]. **Cost** [CDS19, GKR19, KW12, Che15]. **Costs** [Cav12]. **Coulomb** [BST17a, GZ18, HY14].

**Counterexample** [Fri19]. **Counterexamples** [Tak10]. **Counting** [BR11, LV15]. **Coupled** [ADL14, ALS15, AET18, BG17, CPP18, DZ14, ERV17, EKR18, KK17a, KLS11, LMP11, LN10, MSTY16, NRS17, Ohn16, PZ11, Sch18b, Tro17, XZL10]. **Coupling** [BT19, MLD19, RT17, ST11].

**Covariance** [CdGDN18]. **Cowan** [DN12]. **Cracks** [IO16]. **Cradle** [BFDJ13]. **Crime** [BWW14, CCM12]. **Criteria** [LL18b, WZ13a]. **Criterion** [CCFdL14, CJP13, HLX11]. **Critical** [BK13, BD18, BCL18, CLW12, CM18, CP19, CQW18, DF15, DS10b, DR13, EEW11, GN19, JMWZ14, Kac14, LRX11, MM18b, Mur14, NNS18, Wan13, XXK13, YZ18, ZF12, dR18]. **Criticality** [Mos18].

**Critically** [KM13, KMS17]. **Cross** [BDPS10, CFSS18, CDNP16, DMZ19, DFP14a, DFP14b, DLM14, GV19, HJ11, HNP15, Kut15, LPR12, BCJ20].

**Cross-Diffusion** [BDPS10, CFSS18, DMZ19, GV19, HNP15, Kut15].

**Cross-Sections** [DFP14b]. **Crowded** [WLT16]. **Crystal** [ALZ19, BBO19, CRWX16, CKY18, CMWZ18, CDK11, DS14, DW13, GW13, JL19, Kom15, LR13, LLW15, LX16, LX17c, SW11a, Xu18]. **Crystalline** [GZ14]. **Crystallization** [Bét16]. **Crystals** [CHT18, GCGJL18, GSV19, HM12b, HW13b, INSZ14, KK18, SV19, SS15, Tay18, HM13].

**Cubic** [KMV18, Liu19, HTX15]. **Cubic-Quintic** [KMV18]. **Cucker** [BHK<sup>+</sup>19, CFRT10, CY19, CH19a, HKK15, HKR18, Pes15, PRT15]. **Cues** [EW18]. **Curl** [BB10a, CP13]. **Curl-Free** [BB10a].

**Current** [AHP13b, BMSR<sup>+</sup>13, DWZ10, HMN14].

**Currents** [ABGS19, MMT19]. **Curse** [FV18]. **Curvature** [BC19, BK18a, CHW16, CMP13, CM13, Dai10, DHPW14, GMT16, Hel12, Olb19, TW18b]. **Curve** [ESvR12, dR18]. **Curved** [Ara16, HZ19, NW17, PR13]. **Curvelet** [YY14]. **Curves** [AP15, CCG18, Dai10, LMS16, WX16, Wan19]. **Cusp** [MR15]. **Cut** [KK17b]. **Cutaneous** [FHX10]. **Cutoff** [CH15, TAGP18, YY18]. **Cylinder** [CDN10, RTV17, Sen17]. **Cylinders** [Lóp12, MN12]. **Cylindrical**



[BHK<sup>+</sup>19, GH14, Kal12].

**D** [Kim13, AHKM15, BM12b, BYH15, CWY14, CSW15, CW16, CS10b, CN15, CHS13a, CM19, DYZ19b, ER19, FY13a, FT17, FQ11, GL12, JWX13, Kha13, Kim09, KT18, KLL12, LXZ13, LW14b, MZZ12, Per10, PR13, SWZ15, Sug16, WX11, WWX15, XY18, XYY19, YZZ10]. **DAEs** [Ria10]. **Damage** [HS16, RR15]. **Damping** [DYZ19b, Hyn13, Kia16, LLW17, LT11, Mei10, RZ17, RR17, RZ16, VY16, WWX15]. **Data** [ADL14, AGS13, BFRV13, BYH15, BDG13, BV18, CCK18, CJN19, CT15, DWYZ12, DT14, DLZ12a, FZ16, FZZ18, FT13, FQ16, GL12, HKT18, JS13a, Kia16, LT17, LYZZ14, Liu19, Ngu15, NN19, Oh15, RZZ18, TYZZ13, Tsu12, WZ17, Win15]. **Datum** [LX19]. **Dean** [CSZ19]. **Decay** [BPS19, BW12, BHM17, Bra16, CL18, CWYZ16, DKN11, Deu13, DNK12, EW15a, EKR18, HHMM18, HL15, HW13a, KKT17, LW12, MP16, SW11b, UWK12, VZ15, Wan12, Wu14c]. **Decaying** [FY13b, vBM14]. **Decomposition** [ABCD<sup>+</sup>18, Sch14b, YY14]. **Defect** [BR11, CCC18b, DVW15, Gli13, HW11, Rou13]. **Defected** [IO16]. **Defined** [BOO18]. **Definition** [LL18a]. **Deflagration** [GSW16]. **Defocusing** [BK15b, KM17, YZ18]. **Deformation** [BC17a, KLO10]. **Deformations** [MO14]. **Degasperis** [HZFQ13]. **Degeneracy** [Sug16]. **Degenerate** [ÁCDP14, BEH15, BKLU18, BL11, Cal15, CKY13, CLW12, DMZ19, Del18, DF10, DFV18, EJ14, Fis13, FS15, GR15a, Ghi13, Gia15, GP11, Hal13, Kai17, KLW17, KZ18, KSW13, LZZ17, LT19, MY12, NSS17, Nii12, Pan12a, RTZ17, Sho10, WWW12, WZ16, Wan19, Zho15]. **Degond** [ST18]. **Degradating** [GR13a]. **Delay** [AHØP13, CH19a, CN15, DAP19, GH12, HWZ12, KPR15, KKT17, LWY11, LW15, MPN14, TV18, YCW10]. **Delay-Differential** [MPN14]. **Delayed**

[MOZ10, MNS11, ST11, ST15b, VF13, VF15, MOZ12]. **Delays** [CHK15]. **Delta** [CY15, CM19]. **Demixing** [BOS11]. **Dendritic** [IT15]. **Denosing** [Val15]. **Dense** [HR19, Med14, Tay18]. **Densities** [Gli13]. **Density** [CP19, DFV18, Fri18, Gla17, GR13b, HMN14, HW14, JWX13, KLO16, Li19, PT11, SV11, ZF10]. **Density-Dependent** [JWX13, ZF10, HW14]. **Dependence** [ACJ12, GS18, HKT18]. **Dependent** [AN15, BJ10, BMP18, CKS15, CG19, CMM13, DF10, Deu13, EHM16, Evj13a, GIP<sup>+</sup>13, GS10b, GP15, GH12, HWZ12, JK10, JWX13, Kia16, KS19, LYZZ14, LTW14, MSZ19, MO15, RTZ17, RT17, SCB17, YMYC10, ZF10, HW14, NT19, SCB20]. **Depending** [BT12, Can10a, Can10b]. **Deposition** [dCPS16]. **Derivation** [BFG<sup>+</sup>13, CM12, CSZ19, CFF19, FPP19, JM12, LR13, Tri18, WZZ15, WLT16]. **Derivative** [AS15, BDEM18, FS15, GHLN13]. **Derivatives** [LL18a, LRdS18, LP14]. **Derived** [SX13]. **Descent** [Len16, LLN19]. **Describing** [BP14b, BGL16, Evj11, KLW17]. **Desreux** [ST18]. **Detachment** [GLL17]. **Detectors** [SY17]. **Determination** [ADMR14, BDEM18, CKS15, DV10, LR15a, Moo16, MRV12, SZ12a, Sin10]. **Determined** [DMZ14]. **Determining** [KS19, KLS11, LLM19, LT11]. **Detonation** [GSW16]. **Detonations** [LWZ15]. **Deviations** [BM12b]. **Dewetting** [Lóp12]. **Diagonalization** [LWZ16]. **Diameter** [BHL18]. **Diatomic** [FW18a, Qin15]. **Diblock** [CP10, CP11]. **Dichotomy** [DL10, DL13]. **Dictionaries** [KNW15]. **Diffeomorphism** [XYD18]. **Diffeomorphism-Based** [XYD18]. **Difference** [FK19a, GK10, LL16a, MJ14]. **Different** [AFK<sup>+</sup>18]. **Differentiability** [BFV17]. **Differential**

[AP14, AMW10, AP18, BCD<sup>+</sup>17a, BC11, CCC18a, CMM13, DdMH15, EKR18, Gar11, GS18, GK10, Hal12, Hal13, IM10, KT13, KRW15, LWY11, LW15, LRdS18, MPN14, Mit10, MP14, RZ11, Sch10, SSZ19, YCW10, YZ14b, BGHP18]. **Differentiation** [GJMC12]. **Diffraction** [dHHI<sup>+</sup>14]. **Diffuse** [Abe12, ALS15, BM10, Cao19, ES10, CP11]. **Diffuse-Interface** [CP11]. **Diffusion** [ASC19, AB10, ÁCDP14, ACM<sup>+</sup>12, AS13, BAP13, BMP18, BK13, BFG<sup>+</sup>13, Bia18, Bla18a, BCD<sup>+</sup>17a, BP10, BCJ20, BDPS10, CWY14, CCV15, CFSS18, Cer11, CL17, CKY13, CLW12, CQ19, CK11, CK13, CEQW16, CFF19, DMZ19, DF10, DLM14, DFT17, DH10, DZ15, DLZ15, EP12, EF15, EM10, FHK13, GV19, GR15a, GLS10, GLY18, GG10, GM15, GP14, GST13, HS10a, HHMM18, HJ11, HNP15, HV13, ILN11, IKM17, JT13, Kai17, KZ18, KSW13, Kut15, LS13b, LPR12, LZ17, MN18, MOZ10, MX19, MB16, MS16, Mor19, MPZ15, NT14, PSV10, PZZ19, Poh15, RTY16, RTV17, SP13, SM16, SV14, TW11a, TW15, TV18, VW11, WWW12, WW12, WW10, YMYC10, ZZ19, ACJ12, MOZ12, ASS16]. **Diffusion-Absorption** [EP12]. **Diffusion-Homogenization** [BAP13]. **Diffusions** [BM15a, INRZ10]. **Diffusive** [CPSW16, DL10, DL13, DM14, HNP13, JX15, LWZ18, LT13, Löb18, Wan11]. **Diffusivity** [GS15a]. **Dilute** [Alm17, HM12a]. **Dimension** [CPSW16, CH13, CK12, CKY18, CG11, Dro18, EM10, DFHM14, FV18, HPS19, HL15, KK16, Lau10, LLW15, Nol11, Nov18, VK18, XV10]. **Dimensional** [ABCL18, ALST14, ABK12, BDX14, BP19, BFN<sup>+</sup>13, BV10, BBMN12, Bét16, BD18, BCJ20, BMR14, CCNP17, CF14, CNS10, CCLCP13, CHKP19, CQ12, CKZ17, CCHR18, CQX18, CCC18b, CFO19, CP19, CEQW16, CQW18, Del18, DS10b, DWX18, EP12, FRX19, FPP19, FL19, GIP<sup>+</sup>13, GZ13, GR13a, GS12b, GW15, GLW17, HLR<sup>+</sup>19, HJ11, Hof12, HHPZ17, HLWW18, HW13a, HW13b, HMW11, HLX11, HLW12, HW14, HV13, JK10, JMWZ14, Kai10, KLW17, Lac15, Lai18, Lei16, LR11, LS12a, LWY18, aLW18, Li19, LS15, LPS13, Mar10, Mas11, MOR<sup>+</sup>16, Mil18, MMP13, Nii12, NW17, Nov19, OW14, PW18, PSSW15, RV12, ST15a, SW11a, SdlL13, TYZZ13, Tan15, WY15, WXY15b, WY13, WZ17, WW18, XY14, XZ15, YY14, YZ18, ZH10, ZZ14, ZT17, BOO18, DZ15, LMTT15, LYZZ14, MPT19, Pol17]. **Dimensionality** [BFY15]. **Dimensions** [BYZ12, BFRV13, BBG16, BW12, CCLCP13, CRWX16, CDX17, CY18, Daf13, GMP13, GH18, IY12, KY15, LMR15, LX17c, Pin19, Pu13, vdBW19, LY19]. **Dini** [WZ16]. **Dipolar** [BAC12, BJ16, ER19, Tri18]. **Dipole** [Le19]. **Dirac** [AMV15, BCT19, BC17b, CCNP17, DR13, KK10, Lee16, Sab13]. **Direct** [KDT19, LP14, Wu17]. **Direction** [Kai10]. **Directionality** [HMZ15]. **Directions** [GP11]. **Directors** [KK16]. **Dirichlet** [AT14, Ash13, BFV17, BHL18, BM15b, CCMW19, GL19b, Han18, HPS12, Kal12, LT11, LS12b, OR17, RZZ18, EH16, TZ13, TZ15]. **Discharge** [ST18]. **Discontinuities** [BP19, BFRV13, WY15]. **Discontinuity** [VW15a, WX11]. **Discontinuous** [BGL16, CP12, DO16, DV10, GS19, LT17, Ohn16, RZ11]. **Discrete** [BF19, BFDJ13, BPP15, BK18b, CGH10, CMP13, GM13, GJMC12, HY19, LS13c, Mae17, NSS17, Pes15, SSH19, Wu16]. **Discreteness** [GVZ16, Syl12]. **Discretization** [CM14, HS13]. **Discretized** [Hal12]. **Disease** [Ai10, BFTT18, LWZ18]. **Disease-Transmission** [LWZ18]. **Dislocation** [BBO19, Gin19, HO15, NN12, SZ12b]. **Dislocations** [AV16, FPP19, MPS17, SV19]. **Dispersal** [LTW14]. **Dispersion** [AI12, ABR17, AMP10, BCdSN18, CHL17,

CG10a, DM15, KDT19]. **Dispersions** [GR13a]. **Dispersive** [Aud12, CDL16, GLL18, HJ15, LST12, LPS13, Pu13]. **Displacement** [DT14, Sch18a]. **Dissipation** [DN18, DZ15, HLW12, JMZW14, LR11, MPS17]. **Dissipative** [ABCL18, ATSR19, Bra16, BM19, CCCdL17, CN15, Dua11, UWK12, Yam13, Yam16]. **Dissipativity** [Zha14]. **Dissolution** [HKK17]. **Distance** [Cav12, GR13b, KW12, LMS16, LS13c, MRT14, ZCO15]. **Distances** [CG10c]. **Distorted** [CDN10]. **Distributed** [GST13, Mit10]. **Distribution** [BCG10, BKR16, LTW14]. **Distributions** [CdGDN18, KZ11, Tak13]. **Divergence** [Ale16, BB10a, BCDG16, DKR15, DK11, DX19, Kry10, Ria10]. **Divergence-Free** [BB10a]. **Divergence-Type** [Ale16]. **Divisible** [FJ18]. **Divisors** [TY11]. **Does** [Ber12a]. **Domain** [ALS15, AH13, AET18, BHK<sup>+</sup>19, BDEM18, BPS19, BMSR<sup>+</sup>13, BCG10, BNDHV10, BP12b, CHL19, CDLLSG13, CM14, CPP18, GS10b, GY16b, HKK15, JX15, Lau18, MR15, PPP13, Sal12, Sch14b, WK17, Zha19]. **Domains** [AT10, AT14, AVP16, BDEM18, BPS16, BAH17, BDSS18, BO16, CDL16, Cao19, CHT18, CDD<sup>+</sup>12, CR18, CIN18, CEQW16, CQW18, DN18, FGR15, GS10a, Har18, HX10, HK15, Hof12, HJJ18, JJJ13, JH18, Kal12, KPS18, KN18, Lac15, MS14, Pla14, DT15, Sei14, WXY15b, Xu16]. **Dominated** [CCV15]. **Dominating** [BT16]. **Doniach** [Pen17]. **Doping** [LMZZ17, LMZZ18, TWW15]. **Doppler** [ST15a]. **Döring** [Lai14, MP16]. **Double** [DG11, DFV18, RW14]. **Double-Well** [DFV18]. **Doubly** [AS14, HL19b, dlHHMV16]. **Down** [BHM17, CKV18, KSW13, VW11]. **Drainage** [CV12]. **Drift** [GG10, INRZ10, KT11, MX19, WW12, WZ16]. **Drift-Diffusion** [GG10, MX19, WW12]. **Drifts** [KK15, KZ18, MPT19]. **Driven** [BBT14, BHR16, BCL11, Fis13, DFHM14, GGAS14, MPS17, QWE19, ZBL19]. **Driving** [GMT16]. **Drop** [FL15, Tre13]. **Droplet** [ABBK16, GW18]. **Droplets** [Hel12]. **Drops** [Wol19]. **Dry** [Pao15, Pao16]. **Dual** [ABDD19]. **Duality** [DLM14, LR15a, PY10]. **Due** [HCHY16]. **Dumbbell** [LS12b]. **Dynamic** [CGS17, DS19, Fel18, FGN13]. **Dynamical** [BGAHS17, CV16, CDZ13, LN10, YZ15]. **Dynamics** [CFRT10, CSW15, CDZ13, ERV17, Evj13b, FGW13, FKM<sup>+</sup>16, FL12b, GRT14, HKK15, HKT18, IM18, KLW17, KT17, KvMY19, KT18, Kot12, Kwe12, Lam12, LM14, LLP16, LT19, LS17, LSW17, MM17, MJ14, MY17, MV19, Muñ12, NTW19, PSZ19b, SS15, Sch18b, SWZ15]. **Dynamo** [GLT10]. **Eckhaus** [GSWZ18]. **Ecological** [RSS17]. **Eddy** [BMSR<sup>+</sup>13]. **Edge** [DXZ18, FPP19, PR13]. **Edges** [Blå18b, CNS10]. **Effect** [ABR17, BBO19, CDN10, HMWY12, HT17, JJ18, Jun14, LWX16, LX19, Nad10, PPP13, RTV17, WWW12]. **Effective** [AZ17, HM12a, LS13a, Mil18]. **Effects** [BFLN16, Bel10, BBG12, BDT12, BGL16, Han18, PW18, SR14]. **Eigenfrequencies** [NT13]. **Eigenfunction** [BDWZ12]. **Eigenfunctions** [Bec18, Blå18b, CDN10, CCC18b]. **Eigenvalue** [AF16, BFK16, BR11, CCG10, CG10c, Kol11, LZZ17, Nad10, PZZ19, Ria10, TZ13]. **Eigenvalues** [BBG17, BHL18, BL15, CGH10, CLM17, DL15a, GVZ16, HS10c, HKOP10, HKOP11, LV15, LR15a, Syl12]. **Einstein** [AFT15, BIP16, BAC12, ER19, Faj16, GM17c, GL15, GLW17, HM12a, LLP16, Tha19]. **Elastic** [ADMR14, BFGPE<sup>+</sup>18, Bel10, BC17a, Bel17, CJP13, CS10b, DD18, EH13, GLZ17, HS18, KS14, Len14, LL19, LS12b, MO15,

MRV12, MN16, Rou13]. **Elastica** [BPW15]. **Elasticity** [AV16, AKKY17, BFGPE<sup>+</sup>12, BD18, BTZ15, CHN18, CC10, CDK11, FI14, Gie14, Han14, MC14, RZZ18, Zha10]. **Elasto** [BMY16, DF15]. **Elasto-Plastic** [BMY16]. **Elasto-Plasticity** [DF15]. **Elastodynamics** [CY18, NP16]. **Elastomers** [Ces11]. **Elastostatic** [LL16b]. **Electric** [AHP13b, ABGS19, HHR09, HHR11]. **Electrical** [HS10b, HU13, KT13, KLS11]. **Electrically** [BPZ17]. **Electrified** [FHO16]. **Electrode** [Sei14]. **Electrokinetic** [BFS14, FGJ11]. **Electromagnetic** [BYZ12, CLM17, CH11b, HL11, KS19, LR15a, Lei10, LWZ11, LX17b, ZN19]. **Electromagnetism** [CC11]. **Electron** [GMP13, GL19a, Sab13, ZN19]. **Electron/Positron** [Sab13]. **Electronic** [Gli13]. **Electrorheological** [BR17]. **Electrostatic** [Li09, Li11, Sim16]. **Electrothermal** [BGL16]. **Electrowetting** [FGJ11]. **Ellipsoidal** [Yun15]. **Elliptic** [AC14, Ale16, AM15, AR19, ABCD<sup>+</sup>18, BMMP16, Beb16, BFFO17, BRS17, BCD<sup>+</sup>17a, DP13, DKR15, DK11, DX19, FR17, HKOP11, Kar12, Kat19, KK15, Lam12, Ohn16, PZZ19, QS12, Sen17, Sus13, WX19, Wan19, Xu16, Zho15]. **Elliptic-Type** [BRS17]. **Elliptical** [YZ16]. **Ellipticity** [LV12, MRS16]. **Embedded** [KW12]. **Embedding** [Fri18]. **Embeddings** [KW11]. **Emergence** [CFO19]. **Emergent** [HKK15, HKR18]. **Enclosure** [KLS15]. **Ends** [CDN10]. **Energies** [AG16, BPP15, BCS15, BK18b, CCV15, CT16, De 18, FI14, NSS17, PSZ19a, RTT19]. **Energy** [AL10, BPS19, Bev11, BKP13, BW17, BPW15, CCMW19, Gin19, Gli13, HSV17, HHMM18, JS14, KP18b, LMTT15, LS18, Li09, Li11, LLW15, Mas11, Moa11, MN16, Pen17, SZ12b, Tri18, VZ15, dL14]. **Enhanced** [EW19, HI12]. **Ensemble** [BHK<sup>+</sup>19]. **Ensembles** [DXZ18]. **Enstrophy** [Lei16]. **Entropic** [CDPS17, DL18, RR15]. **Entropies** [JJN13]. **Entropy** [AIK10, AGN19, BFY15, Can10a, CHY19, CV15, DDGW18, DLM14, Gie14, LT13, Lu13, LZ18, MLD19, Pan12a, Ter11, VW15a]. **Entropy-Preserving** [MLD19]. **Enumeration** [BL14]. **Environment** [ÁCDP14]. **Environments** [IM18]. **Epidemiological** [CTW17]. **Epitaxially** [GZ14]. **Equal** [ILN11]. **Equality** [LS18]. **Equation** [ASC19, AB10, AIK10, AAD13, ABCL18, ACM<sup>+</sup>12, AT14, ABK12, ABBK16, AN15, ADHZ15, Ash13, BT19, BCS16, BIP16, BBT14, BSW16, BBMN12, BdHQ13, BdHFS16, BCG10, Ber12a, BP12a, Bes12, Bes16, BCL18, BFDJ13, BCL11, BCdSN18, BGM19, BCT19, BGHP18, BP10, BC17b, BN14, Bre13, BGN14, CCNP17, CEH14, CMM10, Cao19, CDW13, CHKP19, CWH18, CKY13, CS10a, CDZ13, Che19, CR10, CMWY16, CH11a, CPT10, CG10a, CM18, CEQW16, CQW18, CV12, CHS13b, CKV18, DDF18, DDGW18, DG11, Dek19, Del18, DAP19, DSY18, DV10, DLVW13, DKT19, DHPW14, Don11, DM14, DP14, DGVBW10, EW19, EP12, EL17, Ess16, FT17, FG15, GS12a, GPT19, GL17, GLL18, GZ13, GP19, GS10b, Gna15, GM15, Gra19, GPI18, GZ18, GHLN13, GY16b, GJMC12, HX14]. **Equation** [HPS19, HL19a, HY14, HLR<sup>+</sup>19, HHK18, HI19, HWWY13, HI12, HJJ18, ILR17, Igb12, Igb17, Ign10, IY12, ILP16, JX15, JZ19, JZ10, Kai17, KVM17, KVM18, KM17, Kha13, KPR15, KS19, KY12a, KY15, KKT17, KK10, KNR12, KMM11, LLW17, LvR15, Lau10, Le10, LP19, LLP16, Li09, Li11, LWX16, LX19, LLM19, LW16b, LLLM14, LPS10, LP16, Liu19, Löb18, MS18a, MN18, Med14, MZ18, MBPS13, Mit10, MMP13, MT15, MT16, MBK13, MZ13, NS12, NV12, NT18, OW14, OSW19, Ovc11, Pan12a, Poh15, PY14, PWW17, RV12, Sac18, Sou19, SV14, ST17,

Str10, SY14, Tak13, Tan18, Tan15, TAGP18, TV18, Tsu12, Wan13, WW15, Wan18, Wan19, WY13, Wu14b, Wu17, XY14, Yam13, Yam16, YY18, dL14, dMIS10, vdBMJLM11].

**Equations**  
 [AHØP13, AS14, AC14, ACJ12, AS15, AAS19, AMW10, AP18, BAP13, BMMP16, BAC12, BR18, BSW16, BFLN16, BFFO17, BF19, BGL12, BST17b, BGT19, BM12b, BT12, BYH15, BL19, BW12, BDG13, BDT12, BCD<sup>+</sup>17a, Bos19, BM19, BO16, CDL16, CCCdIL17, CF14, Cal15, CCMW19, CCM12, CWY14, CDS10, CSW15, Cer11, CL17, Cha14, CW16, CCK18, CDX12, CKM14, CPZ17, Che18, CS10b, Che12, Che14, CS14a, CS14b, CH19b, CMM13, CSZ18, CO12, CEIV17, CHS13a, CNSS17, DZ14, DF13, DdMH15, DO16, Des14, DF11, DWYZ12, DR13, DDMM18, DK14, DW13, DYZ19b, DLZ12b, DLZ12a, EF15, EJ14, EKR18, EI11, ET16, FRX19, FZZ18, FK19a, Feh13, FY13a, FK19b, FQS10, FY13b, FG18b, FL19, FHK13, GGAS14, Gar11, Ges13, GR15a, GT16, Ghi13, Gia15, GMT16, GY16a, GN19].

**Equations** [GKR18, GP18, GH12, GW15, GST13, GP11, GK10, HSS17, Hal12, Hal13, HS10a, Höf18, HKK13, HHPZ17, HW17, HWZ12, HLW12, HWWY13, HJ15, Hyn13, IM10, IS13, IISD15, IKM17, JM12, JLL10, JLL16, JWX13, JMWZ14, Joh13, JLL13, JT13, Jün10, KK17a, Kat19, Kia16, Kim09, Kim13, KK15, KZ18, KT11, Kry13, Kry14, KMVW14, Lai18, Lam12, LS13a, LS16, LMTT15, LM11, Lei13, Lei16, LR15b, LS18, LXZ13, LT17, LZ17, LMW17, LWY18, aLW18, Li19, LWY11, LPS18, LW15, LYZZ14, LRdS18, LT19, LY19, MPN14, MPR10, MJ14, MQS12, Mar18, Mar10, MM18b, MS13a, MOR<sup>+</sup>16, MOZ10, MOZ12, Mel10, MP13, MX19, MP14, Muñ12, MP16, NPS13, NT19, NN19, NOS12, NP11, Oh15, Ohn15, PWG11, Per10, Per15, Pim16, PD17, PW15, Pol17, QW11, RSZ18, RZ11, SS19].

**Equations** [Sch10, SS17, SM19, Sho10, ST10, SW18, SSZ19, SCB17, Sri11, ST17, Sto19, ST15b, Sug16, Tak10, TYZZ13, TWW15, TZ18, TW10, TY11, VY16, VW11, VF13, VF15, VZ15, WZ13a, WXY15a, WZ13b, WZ17, XZL10, Xu11, XXK13, YFK11, YCW10, YZ14b, ZF12, ZZ14, Zho15, Zhu15, ZBL19, dHHMV16, vBW11, vNVW12, vBM14, HR15, HY19, MT19, SCB20]. **Equilibria** [BL14, BH11, CCLM15, Gla17, RR13, SdlL13, Tay18]. **Equilibrium** [AET18, BCL11, BHM17, CS15b, DFT17, FPTT12, GHMZ10, HHMM18, HS19, JLZ18, KKT17, LMW17, MP16, NTW19, OW14, SW11a, ZT17, dLSZ17]. **Equivalence** [CM13]. **Equivalentents** [WU14a]. **Equivariant** [Sch18b]. **Equivariante** [LNZ14]. **Ergodicity** [BHR16, ESvR12, GT16, KSW13]. **Ericksen** [JL19, WZZ15]. **Erosion** [She15]. **Erratum** [BH18, DL13, HHR11, Li11, MOZ12, MT16, SCB20, VF15, Yam16]. **Error** [BFFO17, CT14]. **Ersatz** [Kry13]. **Escape** [CF11, HCHY16]. **Estimate** [DMZ14, Lee17, SM19]. **Estimates** [ACJ12, AGN19, BSW16, Bec18, BFFO17, BdHFS16, BCL18, BB10b, Bia18, BL19, BW12, BDG13, BDWZ12, CCK18, CT15, CNR17, CG10c, DNK12, DLVW13, DFV18, DX19, EW15a, GPT19, GS15b, GX17, HS10c, HNP15, HL15, HWZ12, Ign10, IN13, KKT17, LMTT15, LM14, LX17a, MS18a, MP12, NT13, Ovc11, RZ16, SV11, Tak10, VZ15, Ves15, ZBL19]. **Estimating** [BD18]. **Estimation** [BCD<sup>+</sup>17a, GR13b, PT11]. **Euclidean** [Com17, KW12, MRT14, Sal12, ZCO16, dHHI<sup>+</sup>14]. **Euler** [Aud12, BDX14, BFLN16, BPW15, BM18, CDX12, CPZ17, CKZ17, Che12, Che14, CS14a, CS14b, CHS13a, CNSS17, DWX18, DKT19, DLZ12b, FRX19, FKV15, FKM19, FL19, GMP13, GL15, GS19, HWWY13, Iye19, KMVW14, Lai18, LM11, LP16, NOS12, Ohn15, PWG11, Pen15, Per15, Pu13, SWZ15,

Tak10, TY11, UWK12, WFL12, Wen14, XX10, Xu11, XXK13, ZH10, dHHMV16]. **Eulerian** [CNSS17, KT18]. **Evans** [dRDR16]. **Evaporation** [LS12a, LW14a]. **Even** [GZ18, vdBMJLM11]. **Eventual** [GM15, Jia19]. **Evolution** [AH18, ABR17, ADHZ15, BFM12, BM18, CF14, CCM16, DP15, DL15a, DGVBW10, EHM16, GGAS14, GS17, IISD15, LX17c, Mar18, MC14, Sho10, Tak13, TW18b, VW11, YFK11, vNVW12]. **Evolutionary** [BFLS18, IM18]. **Evolutions** [AV19, EMZ17, MPS17]. **Exact** [BHND18, DS10b, FW18a, GH14, HS10b, dHGR14]. **Examples** [LL12]. **Excitable** [NW17]. **Excited** [BMY16, FKN<sup>+</sup>14, GP11]. **Exclusion** [BDPS10]. **Exemplar** [ALM10]. **Exemplar-Based** [ALM10]. **Existence** [ABGS19, AF15, AS15, AM15, BEH15, BT16, BKLU18, BR17, BK13, BMC14, BFLS18, BWW14, BF19, Bes16, BDSS18, Bor19, BDLM19, BN14, BP14b, BPZ17, CGH10, CP12, CSW15, CH13, CQ19, CQX18, CHL17, Chu14, CG19, CMM13, CGS17, CY18, DDM11, DGV16, DS13, DR13, DG16, DLZ12a, DGVBW10, EW19, FT17, FKM<sup>+</sup>16, FG18a, FG18b, FL15, GSW16, GM14, GG10, GZ18, GY16b, HSS17, HK15, HNP15, HKK17, HHPZ17, HW13a, HNP13, JS13b, JMZ18, KK17a, KMT13, KvMY19, Kry13, Le19, Leq11, LS10, LT17, LMW17, LW15, LX16, LT19, LY19, Lu13, LMMNR17, Mae17, MQS12, MSZ13, NPS13, PZ11, Pao15, PWG11, PT18, RT17, SM16, Smi17, Tha19, XX10, Xu18, YZ14a, YZZ10, YT11, YMYC10, ZF12, dAdM18]. **Exit** [INRZ10]. **Exothermically** [CKZ17]. **Expanding** [WX15]. **Expansion** [Con12, Yam13, Yam16]. **Expansions** [Ben17, BFG<sup>+</sup>13, GH12, IKM17, Mor19, dHGR14]. **Expectations** [KLO16]. **Explicit** [JHN12, KKT17, Spe14]. **Exponent** [BO16, CLW12]. **Exponential** [BHM17, Dan17, DYZ19b, HL15, Jia19, LLLM14, MN12, Tak13, ZBL19]. **Exponential-type** [Dan17]. **Exponentially** [GPT19]. **Exponents** [BGL16, GH14]. **Extended** [CP13]. **Extensible** [HTW18, LS12b]. **Extension** [CCFdL14, HZ10, RR13, SX13, ST17]. **Exterior** [BL19, CDL16, CEQW16, CQW18, DYZ19a, Sch14b]. **External** [Bos19, Cao19, GW13, HSV17, LZZ15]. **Extinction** [BS16a]. **Extrapolated** [KPR15]. **Extremal** [Lit13]. **Extreme** [CCC18b].

**Factoring** [SZ11]. **Factorization** [CHL19, dRDR16]. **Factorizations** [LL16a]. **Family** [Sto19]. **Far** [CHL19, HSV16]. **Far-Field** [HSV16]. **Farfield** [KS14]. **Fast** [Bos12, CS15a, CL17, FY13b, GR15a, MB16, RTV17, VW11]. **Fat** [BGHP18]. **Fat-Tailed** [BGHP18]. **Feedback** [CW13, LW16a, MNS11]. **FENE** [HY13]. **Fermi** [FW18a, Miz11]. **Fermionic** [KK18]. **Ferrofluids** [NTW19]. **Ferromagnetic** [Car14, KN18, PWW17]. **Feynman** [SSZ19]. **Fiber** [BHM17, KSW13]. **Fibrous** [LS12a]. **Field** [ABÖP19, AHP13b, BÖ19, Bos19, CHL19, CP12, CDM16, CL13b, CP19, CQW18, DWZ10, Due16, FG18a, FGJ11, GP15, GPI18, GLT10, HSV17, HD17, HK15, HSV16, IT15, Kac14, KVM18, KK10, Lee17, LLN19, Mel12, MS18b, Mit10, ZN19, DNWW19, LN14]. **Fields** [ABGS10, BB10a, BBG16, Bos12, Cao19, CEIV17, JJ18, Kre19, KM18, MM18a, Mon16, Pen17, VF13, VF15, Zho18]. **Filled** [MPS19]. **Filling** [CV16, DMZ19, WWW12]. **Film** [ABGS10, CPT10, CM12, CKV18, Ess16, FG18b, Gna15, LM17, Mel10, RZ16]. **Films** [FHO16, GZ14, KK16]. **Filtered** [BMY16]. **Finite** [BK13, BGL12, Bos16, CF14, CCLCP13, CDW13, CHL15, CMWY16, DF15, FG15, FV18, Ges13, GM10, Gia15, GR13a, GS17, GK10, KK18, Le19, LLW15, Mos18, RR13,

SW11a, Sug16, Tro17]. **Finite-Time** [CDW13, Mos18]. **Finitely** [LS12b]. **Finiteness** [Wu16]. **FIOs** [AFK<sup>+</sup>18]. **First** [ALZ19, BA10, BA12, BÖ19, Bos16, CH19b, CP19, IM10, Sch18a, TZ13, Val15]. **First-Kind** [CH19b]. **First-Order** [IM10, Val15]. **Fisher** [CHS13b, GM17a, BGHP18, CS10a, EM10, GM17b, RTV17, SV14]. **Fitness** [LTW14]. **Fitness-Dependent** [LTW14]. **FitzHugh** [CS15a, CKM14, CCHR18, SSH19, CFF19]. **Fixed** [LL16a, Mer18, Moo16]. **Flame** [XY14]. **Flat** [LS13a, MW17, Ngu15, TWW15]. **Floating** [NT13, Tre13]. **Flocking** [BHK<sup>+</sup>19, CFRT10, KMT13, Pes15, PRT15]. **Floquet** [FGW13]. **Flow** [Abe12, BC19, BK18a, BP12b, BH11, Bre13, BP14b, CHY19, CMP13, CL13a, CY15, CKZ17, CL13b, Dai10, DD16, DKR16, DKN11, DNS12, DT14, DYZ19b, ER12, ESvR12, Evj13b, FW18b, FHK11, GVWK16, GM14, GMM13, GMT16, GS12b, HL12, Hel12, Hof12, HTW18, HW13b, HZ19, JMN11, JK10, JMZ18, JRK19, KPS18, Lac15, LV10, LW16a, LMP11, LS13b, LS10, LWY18, LLW15, LW14b, Ono11, PSZ19b, PWW17, QWE19, RZ16, TW18b, WXY15a, WK17, XYZ16, YZZ10, YZZ12, ZH10, ZT17]. **Flows** [BP19, BFN<sup>+</sup>13, BH17, BKP13, BFS14, BP14a, BGMŚG12, BC11, BM18, CM11, Can10a, Can10b, CP12, CDPS17, CPSW16, CRWX16, CDX12, CKY18, CDX17, CS14c, DWX18, Deu13, DZ15, Due16, DFHM14, FMP18, GM17a, GM10, GW13, GJZ15, HHR17, HW13a, HLX11, Iye19, KV19, Kwe12, KK17b, LZZ15, MM18a, MOS14, SW11a, Vis18, WX15, WY15, WX16, WX19, Wan19, Wen14, XX10, XY14, ZF10, BH18]. **Fluctuations** [BFK16, GKR18]. **Fluid** [ALST14, BST17a, BDEM18, Bla18a, BTZ15, BP12b, BP14a, BP14b, BPZ17, Cho16, CTW13, CWYZ16, Duc10, EW15b, EW18, FW18b, HX10, Hel12, JX15, KK17a, Kha13, Len14, Leq11, Liu18a, MPS19, MR15, Ohn15, RR13, SW11b, WLT16, WK17, WX13, XXK13]. **Fluid-Boundary** [Ohn15]. **Fluid-Elasticity** [BTZ15]. **Fluid-Filled** [MPS19]. **Fluid-Particle** [ALST14]. **Fluid-Rigid** [BST17a]. **Fluid-Structure** [BDEM18, Leq11]. **Fluids** [AZ17, Ara16, BR17, Ber12b, BGMŚG12, BBS16, DM15, FGN12, FKN<sup>+</sup>14, FPZ14, GT10, JLZ18, JH18, Jün10, KR10, Kot12, LS12b, Nes14, NP11, Smi17, Wan11, WZ13b, ZF12, DLZ12b]. **Fluttering** [LW16a]. **Flux** [ACM<sup>+</sup>12, BBT14, EHM16, GS19, LR11, MY12, NPS18, RZ14, Yos18]. **Flux-Limited** [ACM<sup>+</sup>12]. **Fock** [GL19a]. **Focusing** [LWX11]. **Fokker** [ASC19, GHMZ10, JZ18, KKT17, LMW17, YY10, BR18, HJJ18, MT19, Zha14]. **Folded** [VW15b]. **Following** [GM14]. **Föppl** [MPT18]. **Force** [CH11a, GW13]. **Forced** [Bou13, CCCdlL17, CS14c, DN12, FFGHR17]. **Forces** [KT18, LZZ15]. **Forcing** [BBS16]. **Form** [DK11, DX19, Neu16, Kry10]. **Formal** [Mor19]. **Formation** [BHRW16, BLW19, CPZ17, CQX18, PLPSS18, WWW12]. **Forms** [JHN12]. **Formula** [Alm17, CD11]. **Formulae** [ABDD19]. **Formulas** [Hal14, SSZ19]. **Formulation** [MS18b, Per15, Sho10]. **Formulations** [CWH18, PD17, SS17]. **Forward** [BST17b, BGT19, LLW17, ST10, Ter11]. **Forward-Backward** [BST17b, BGT19, ST10, Ter11]. **Foundations** [ZCO16]. **Four** [BL11, BL14, WW10]. **Four-Body** [BL11, BL14]. **Fourier** [JLX15, AHKM15, AM15, BV13, Con12, JJN13, LJ17, PPP13, VW15a]. **Fourth** [BGT19, LN10]. **Fourth-Order** [BGT19]. **FPU** [HR10]. **FPU-Type** [HR10]. **Fractal** [AT10, AIK10, CV16, CWH18]. **Fraction** [CP10, CP11]. **Fractional**

[ASC19, ACJ12, ALP15, AR19, BGAHS17, CG19, EW19, FY13b, GGAS14, Gra19, HL19a, IKM17, Joh13, LP19, LR11, LL18a, LL18b, LPS18, LRdS18, LP14, SS17, SV14, ST17, VZ15, Yam13, Yam16, ASS16].

**Fractional-Diffusion** [ASS16].

**Fractionally** [BM19]. **Fragmentation** [DDGW18, DF10, LvR15]. **Frame** [DSX17, WX12]. **Framelets** [HMZ15, SX13]. **Frames** [AG17, GL12, KLL12]. **Framework** [Bru16, GJMC12, ZF12]. **Frank** [PWW17].

**Fréchet** [BDEM18]. **Free** [AL10, BB10a, BM12b, BP12b, BCD17b, CCV15, Che19, CHS13a, Cui13, DSV15, DKT19, DL10, DL13, DMZ14, DLZ15, Duc10, ERV17, Evj13b, Han14, Hen10, KR10, KP18b, Lee17, Li09, Li11, LY19, LTW14, Nes14, WX19, Wan19, WNRJ13].

**Free-Boundary** [CHS13a, Lee17].

**Fredericksz** [CKY18]. **Freely** [NT13].

**Frenkel** [Fri19]. **Frequencies** [CStW17].

**Frequency** [AZ17, ALZ19, BSW16, CMM13, CdGDN18, DDGVM18, ETZ13, Jun14, KT13, LWZ15, TW11b].

**Frequency-Dependent** [CMM13].

**Friction** [FPVR13, Kim09, Kim13, MO15, Pao15, Pao16]. **Frictional** [HMS14, Pao16].

**Friedrichs** [CHW16]. **Front** [ABK12, BGHP18, GLY18, LW12, Tan15].

**Fronts** [BCN11, HS14, ILN11, HR15].

**Frustrated** [CFO19]. **Full** [CRWX16, CDX12, DWX18, FKV15, GM17b, HW17, JLL13, Lai18, LY19, NV12, PZ11, QW11, WZ17]. **Fully** [ADL14, DIT15, Kry13, RTZ17, Zho15].

**Function** [BBCD<sup>+</sup>18, FGN13, GN19, Hal14, LV15, LS17, Mil18, Moo16, TD17, ZCO15, dRDR16]. **Functional** [AMW10, AP18, BM10, CP10, CP11, Gla17].

**Functionalized** [DHPW14, KP18b].

**Functionals** [BB10b, BOO18, CP13, CLW17, DLSV12, DDMM18, JS14, Olb19, PT11, Sch18a].

**Functions** [And12, BC17a, Bét16, CK11, CK13, CNR17, Cri19, DS10a, FK19a, KMS15, KLL12, Lit13, LA14, Mon16, Pla14, PX13, Rod16, Wei12, XYD18, ZCO16].

**Fundamental** [CS10a, Zha14]. **Fungal** [Ai10].

**Gain** [Jia12, MNS11]. **Galaxies** [SW17].

**Galerkin** [AM15, HS13]. **Game** [CDM16].

**Games** [FG18a, GP15, MPR10, MS18b].

**Gamma** [Ces11, GL19b]. **Gamma-Limits** [Ces11, GL19b]. **Gap** [ALZ19, DXZ18, LZ19]. **Gaps** [CGLS18, Nii12]. **Gas** [CHY19, CSW15, CQ12, Evj11, Evj13b, EW15b, FHK11, GL19a, HL12, HKT18, LM14, MLD19, MY17, Ohn14, SR14, SWZ15, ST18, YZZ10, YZZ12]. **Gas-Kick** [Evj11]. **Gas-Liquid** [Evj11, Evj13b, EW15b]. **Gaseous** [Liu18b].

**Gases** [AL10, BJ16, CH15, Lai18, LM11, Rey12].

**Gauge** [GS10a]. **Gauss** [CHW16].

**Gaussian** [BBT14, LSW17, dHGR14].

**Gelation** [LvR15]. **Gelfand** [LX19].

**General** [AG17, BG14, BYH15, BC17c, CHY19, CJN19, CHL17, DLSV12, DSX17, GR13a, Gro10, HS10a, Hof12, JMWZ14, NPS18, PT18, SS19, WXY15b, Wan19, Xu16].

**Generalized** [AHP13a, Ara16, ABCD<sup>+</sup>18, BKK18, BNDHV10, CCMW19, CNR17, DO16, DL15a, FQ16, GW15, HS13, INSZ14, JZ10, Le 13, Len14, LL18a, LMMNR17, MN18, Muñ12, Nes14, RTY16, RTT19, WLT16, Win15, Wun10, Zhi19].

**Generated** [BK15a, ZN19]. **Generating** [HSV17].

**Generator** [BEH15]. **Generic** [CWYZ16, JT13, LZ17, Sch18b].

**Genes** [HM13, HM12b, MN16, Nov18, WZZ15].

**Genuine** [Evj13b]. **Geodesic** [LMS16, Mon16]. **Geodesics** [PPPV16].

**Geological** [She15]. **Geomagnetic** [Kai10].

**Geometric** [BFLN16, Ben17, CDS10, DP15, JS14, Val15, WW18, HGW14, HZFQ13].



**Geometry** [Fri19, LS13a, Lóp12, Tak13].  
**Geostrophic**  
 [BM19, Che19, EW15a, Nov19, ZBL19, FT13].  
**Gevrey** [BT19, LWX16]. **Ghost** [HT17].  
**Gibbs** [Oh10]. **Gilbert**  
 [FT17, KMM11, Mel10]. **Ginzburg**  
 [ABGS10, ABGS19, CDW13, COS16,  
 DWZ10, GS10a, GSV19, INSZ14, Kac14].  
**Given** [BBCD<sup>+</sup>18, WX19]. **Gives** [Tan15].  
**GKDV** [CM18]. **Glaciology**  
 [BG17, CGP13]. **Global**  
 [BK13, Bla18a, BC14, BFS14, BN14,  
 CCMW19, CCM12, CHY19, CSW15,  
 CRWX16, CH13, CDX12, CY15, CMWZ18,  
 CQX18, Cho16, Chu14, CGS17, CY18,  
 DWYZ12, DZ15, EW15b, FZ16, FZZ18,  
 FPZ14, GL17, GMP13, GZ18, GN15, HNS17,  
 HX10, HD17, HM12b, HM13, HNP15,  
 HKK17, HHPZ17, HWZ12, HW13a, HW13b,  
 HZ19, HW14, HCHY16, IK11, IN13, JLZ18,  
 JZ19, Jia19, Jün10, KT18, KK10, KNR12,  
 Lau10, LM11, LPR12, LLP16, LS10, LWX11,  
 LS12a, LXZ13, LZZ15, LMW17, LWY18,  
 Li19, LLW15, LT11, Liu18a, LT19, Lu13,  
 LMMNR17, MOZ10, MOZ12, MP13, MN12,  
 NPS13, NTW19, PZ11, Pan12b, PZ13,  
 PWG11, Pen15, Pim16, RZ14, SM16, ST11,  
 Smi17, SSW14, Str10, TYZZ13, TW18a,  
 VY16, WWW12, Wan12, WX15, Wan18,  
 WZ13b, WZ17, Win15, WX13, WWX15,  
 XX10, XY18, Xu11, XXK13, XZ15, YY10].  
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**Global-in-Time** [XY18]. **Globally**  
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 [Com17, DKS16, NS12]. **Governed**  
 [FRX19, Kha13]. **Gowdy** [GL15]. **Grade**  
 [Ber12b]. **Gradient**  
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**Gradients** [IS13]. **Granular**  
 [AL10, DP14, Igb12, PW18, Rey12]. **Graph**  
 [KVM18, Med14, TSA18]. **Graphs**  
 [BCT19, DD18, KVM17, Koc16, Med14].  
**Gravitating** [RR13]. **Gravitational**  
 [LMR13]. **Gravity**  
 [Hen10, HCHY16, MZZ12, Ngu16]. **Gray**  
 [vdBMJLM11]. **Grazing** [FPTT12, HY14].  
**Greedy** [BCD<sup>+</sup>11]. **Green** [GN19]. **Greene**  
 [CCFdL14]. **Grids** [Mos18]. **Grisvard**  
 [DT15]. **Gromov** [GM13]. **Gross**  
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 KMS17, Tri18, WY13]. **Ground**  
 [Bec18, CCV15, CDNP16, CO12, GLW17,  
 Kom15, KK18, LMR13, ZN19]. **Growing**  
 [CCC18a, CCM16, Kry10]. **Growth**  
 [ABR17, AP18, BEH15, BKK18, BO16,  
 CL18, Cui13, DMZ19, DLV10, DDGW18,  
 DLSV12, DH10, EG19, Gia15, Gin19, NSS17,  
 OR19, WNRJ13, XY14].  
**Growth-Fragmentation** [DDGW18].  
**Gurtin** [EI11].  
**Hairline** [IO16]. **Half**  
 [AHP13b, FR17, RSZ18]. **Half-Plane**  
 [AHP13b]. **Half-Space** [FR17]. **Hall**  
 [CW16]. **Hamilton** [BT12, CEH14,  
 CCMW19, DZ14, DDMM18, Feh13, IS13,  
 Igb17, MBPS13, MSTY16, Pin19].  
**Hamiltonian**  
 [BT12, KDT19, LNZ14, YZ14b].  
**Hamiltonians** [BFK16]. **Hankel** [GR15b].  
**Haptotaxis** [TW11a, TW15]. **Hard**  
 [CH15, DXZ18, TAGP18]. **Hardy** [Kre19].  
**Harmonic** [AC14, Gas19, GKR19, GM10,  
 GMM13, Rod16, Spe14, BM12a].  
**Hartmann** [XY18]. **Hartree**  
 [GL19a, Lei13]. **Hartree-Type** [Lei13].  
**Hausdorff** [GM13]. **Head** [BCS15].  
**Head-to-Tail** [BCS15]. **Heat**  
 [AH13, BPS19, BDT12, BPZ17, FK13,  
 GIP<sup>+</sup>13, HI19, HCHY16, KVM17, KPR15,  
 KLS11, LV10, LS12a, Li19, Med14, MPZ15,  
 NP11, EH16, Sou19, WZ13b].  
**Heat-Conducting** [MPZ15, WZ13b]. **Hele**

[Ono11, TW18b, YT11]. **Helfrich** [BM10]. **Hellinger** [KV19, LMS16]. **Helmholtz** [BSW16, BdHFS16, CDL16, CH19b, HPS19, Mel12, MMP13, Sch14b]. **Hemivariational** [BS16b, HMS14, Sof18]. **Herglotz** [BBR19]. **Heteroclinic** [HR10]. **Heterogeneities** [PT18]. **Heterogeneous** [AH13, ACZ14, BCN11, Can10a, Can10b, KK16, PLPSS18, TD17]. **Hierarchical** [MLD19]. **Hierarchy** [HGW14, HTX15, HZFQ13, Thi19]. **High** [AL10, ALZ19, BSW16, Beb16, Bel10, Bel17, BPP15, CCC18b, DDGVM18, DWZ10, ETZ13, FWW17, HV13, HR12, Jun14, LWZ15, PSZ19a]. **High-** [DWZ10]. **High-Contrast** [Beb16, BPP15, CCC18b, PSZ19a]. **High-Energy** [AL10]. **High-Field** [DWZ10]. **High-Frequency** [ALZ19, BSW16, LWZ15]. **High-Performance** [HR12]. **High-Rank** [FWW17]. **Higher** [BFFO17, CCHR18, GVZ16, GL19b, Hal13, HLR<sup>+</sup>19, Pu13, RZZ18]. **Higher-Order** [BFFO17, GVZ16]. **Highly** [AVP16, BCN11, CGM16, CP19, GS15a, GSV19]. **Hilbert** [AAK14, ADK15, BN14, HI12]. **Hilliard** [EG19, ABK12, BBMN12, CGS17, DG11, Del18, DHPW14, GMT19, KNR12, KP18b, OW14, OSW19, SP13]. **Hinged** [SV18]. **History** [MSZ19]. **History-Dependent** [MSZ19]. **Hitting** [IT15]. **Hitting-Times** [IT15]. **Hodge** [CH19b]. **Hohenberg** [MBK13]. **Hölder** [KS19, MS11, Sto19, WZ16]. **Holes** [BCG10, CDD<sup>+</sup>12]. **Holm** [CFGL17, DIT15, GL17, GLL18, LZ17, Tan18, dMIS10]. **Holomorphy** [CSZ18, CStW17]. **Homoclinics** [vdBMJLM11]. **Homogeneous** [CHN18, CMWY16, HL19b, LX19, MM18b, Sch17, Sch18b, SY14]. **Homogenization** [Ale16, AMP10, AH13, ALZ19, BAP13, BLZ16, BCN11, BFFO17, Bel17, BCG10, BPP15, CGM16, CDM16, DDMM18, DG16, Feh13, FF12, GS15a, GS15b, GX17, GS18, HW11, IM10, JMNR11, JS14, KPZ19, KK16, MM11, NSS17, PSZ19a, PZ17, Pra13, Sch10, Sen17, Sus13, Xu16]. **Homotopy** [Kol11]. **Honeycomb** [Lee16]. **Hopf** [Naz12]. **Horizon** [ABL13, AHØP13]. **Hörmander's** [Kry14]. **Hotspot** [BWW14]. **Human** [GP14]. **Hunter** [LPS10, Wun10]. **Hybrid** [YMYC10]. **Hydrodynamic** [CDM13, CH19a, GW13, HKK15, HMWY11, HMW11, HMWY12, HCHY16, JXZ16, LMZZ17, LMZZ18, WX13]. **Hydrodynamics** [FW18b, JLX15, WX11]. **Hydrogen** [CS18]. **Hydrology** [BG17]. **Hydrostatic** [KMVW14]. **Hyperbolic** [BIP16, Ben17, BHWY12, CHL15, CT11, CN15, Cui13, Daf14, DNK12, DS13, Ell12, FHK13, GPPP13, GYY18, GN15, HK15, HLWW18, JL19, LT11, Lu13, LNZ14, Mei10, NP16, Ohn16, Ves15, Yao19]. **Hyperbolic-Elliptic** [Ohn16]. **Hyperbolic-hyperbolic** [LNZ14]. **Hyperbolic-Parabolic** [DS13, GYY18, HK15]. **Hypergeometric** [GI15]. **Hypersingular** [HSV17]. **Hypersurfaces** [EF15]. **Hypo coercivity** [DJMZ16, JZ18]. **Hypoelliptic** [Sto19]. **Hysteresis** [GST13]. **ICE** [BG17]. **ICE-Hydrology** [BG17]. **Ideal** [DYZ19b, GS12b, JJJ16, Lac15, LTW14]. **Identical** [ST11]. **Identifiability** [Liu18a]. **Identification** [HSV16, Kat19, MRV19]. **Identities** [Lei10]. **IDSA** [BFG<sup>+</sup>13]. **II** [LMZZ18, AHP13b, AFK<sup>+</sup>18, Ben17, BG14, Can10b, CP11, DFP14b, GS17, HNSW11, Lam12, LW16b, MY17, Pao16, SWX17, dR18]. **III** [HHK18]. **Ill-Posedness** [HHK18]. **Image** [CM11, CM13, DSX17, SSST15]. **Imaging** [AFK<sup>+</sup>18, AGS13, CS17, FGN13, HMN14, MNT13]. **Imbeddings** [CC11]. **Immersed** [SR14]. **Immersion** [CHW16]. **Immiscible**

[CP12]. **Impact** [AP15, Pao15, Pao16]. **Impedance** [BOS17, HHR09, HHR11, HS10b, HU13, HMN14, KT13, Sin10]. **Impenetrable** [KvMY19]. **Imperfectly** [KLO10]. **Implicit** [AH18, Li09, Li11, CMP13]. **Implicitly** [BGMŚG12]. **Imply** [Mur14]. **Implying** [LS18]. **Improved** [Che14, KW11, Kre19]. **Inclined** [RZ16]. **Including** [CDR17, Gli13]. **Inclusion** [ADMR14, DLVW13, MRV12, MRV19, MP14]. **Inclusions** [Alm17, BLZ16, BFV17, KRW15, LX17a, MNT13]. **Incoming** [JZ19]. **Incompatibility** [AV16]. **Incompressible** [BFN<sup>+</sup>13, BBG16, BKP13, BGMŚG12, BP14b, BPZ17, BC17c, CWY14, CDM13, Che14, CDX17, CS14b, CY18, DKN11, Deu13, DKT19, FKN<sup>+</sup>14, INRZ10, JLL10, JLL16, JL19, JMWZ14, Kha13, Lac15, Len14, MM18a, SW11a, WK17, XY14, XZ15, YZZ12, ZF12, ZZ14, Abe12]. **Increasing** [BA10, BA12, ILW16]. **Independent** [Kar12, Ngu17, Rou10]. **Index** [BC11, LS16]. **Individual** [BM15a]. **Induced** [AHP13b, BG14, CM12]. **Inelastic** [BCL11, FPTT12]. **Inequalities** [AH18, BS16b, BCD17b, DNS12, FG18a, GH14, HMS14, Har18, HS16, Sal12, Sof18, ZBL19]. **Inequality** [BM15a, BMY16, DSZ19, Fri18, Kre19, Neu16, SV11, Wal14]. **Inertialess** [Höf18]. **Inf** [BCDG16]. **Inf-Sup** [BCDG16]. **Infeld** [CP13, MP14]. **Infinite** [ABL13, AHØP13, CGH10, CCM14, CCLCP13, KLW17, LMR15, Mos18, PSSW15, Sen17, VW11, WWW12, WX15, YZ18]. **Infinite-Time** [VW11, WWW12]. **Infinitely** [BP19, CDX12, KY15, Pas13, XX10]. **Infinity** [Deu13, FW18a, FY13a, LWZ15, WZ17, vBW11]. **Inflow** [CJN19, FRX19, HW17, QW11]. **Information** [GM17b]. **Inhibitory** [RW14]. **Inhomogeneities** [KMS17]. **Inhomogeneous** [ADL14, BK13, BC17c, CY18, MS16, YY18].

**Initial** [AI12, DWYZ12, FZ16, FZZ18, FT13, FY13b, GYY18, HS10a, HKT18, HW17, JS13a, JX15, KMV18, KT11, Len16, LT17, LX19, MZ13, NP16, Oh15, TW18a, Tsu12, Ves15, dCPS16]. **Initial-Boundary** [AI12, Len16, TW18a]. **Initial-Layers** [GYY18]. **Initial-Value** [KMV18]. **Injection** [Ono11]. **Injectivity** [FGR15]. **Inpainting** [ALM10]. **Inside-Outside** [LR15a]. **Instabilities** [BAH17, ST15b]. **Instability** [Ben17, BGM19, Bou13, BC11, FHO16, GP19, GT10, HKN16, JZ10, Le19, ZZ19]. **Instantaneous** [TW11b]. **Insulating** [MNT13]. **Integrable** [BBCD<sup>+</sup>18]. **Integral** [BA10, BA12, BSW16, BK18b, CWH18, Chu14, CH19b, JHN12, Lei10, Mel12]. **Integral-Representation** [BK18b]. **Integrals** [BHND18, DLV10, MP12]. **Integration** [KY15, RZZ18, VK18]. **Integro** [BGHP18, Gar11, GS18, Sch10]. **Integro-Differential** [Gar11, GS18, Sch10, BGHP18]. **Integrodifferential** [Igb12]. **Interacting** [DGV16, IT15, Len14]. **Interaction** [ALST14, BST17a, BTZ15, CCV15, CS10b, CT16, DKR16, Due16, Evj13a, GLZ17, HGW14, HY14, JMNR11, KT18, KK10, MPS17, Ohn15, vBM14]. **Interaction-Driven** [MPS17]. **Interactions** [AMV15, BÖ19, BK18b, BCQ12, BLW19, CS18, CDNP16, DSY18, DF11, FPZ14, FMP18, Lai18, Nii12, Sab13, WX13]. **Interactive** [DDGVM18]. **Interconversion** [LA14]. **Intercritical** [Mur14]. **Interface** [Abe12, CCHR18, CP10, CP11, Evj13b, Ono11]. **Interfaces** [BM10, CC11, DP15, DHPW14, Gli13, KS14]. **Interferences** [CdGDN18]. **Interior** [CCG10, CCH10, CH11b, DKT19, Fai14, KK17b, LV12, LV15, LR15a, MNT13, WZ13a, Zho15]. **Intermittency** [CS14a]. **Internal** [CT15, Duc10, DIT15, JTW16].

- Interpolation** [BOS17, GH10, Har18].  
**Interpolations** [ZCO16]. **Interpolatory** [Wei12]. **Interpretation** [Sim16]. **Interval** [JHN12]. **Intrinsic** [AV16]. **Intrusion** [CDR17]. **Invariance** [BM15a, Nol11, Oh10]. **Invariant** [GPPP13, GL19a, GW15, NS12]. **Invasion** [HS14, SSW14, dAdM18]. **Inverse** [ACZ14, BJ10, BM12a, BFGPE<sup>+</sup>18, BdHQ13, BdHFS16, BK15b, CHL19, CLM17, CHN18, CT15, CS17, DLVW13, GIP<sup>+</sup>13, GY16a, HHR09, HHR11, HSV16, IY12, IN13, Kar16, Kat19, KLO10, LL16a, LTV17, LL19, LT11, Poh15, SZ12a, TSA18, Ves15, ZZ19]. **Inverses** [JHN12]. **Inversion** [ABDD19, Hal14, HL19a, Mon16]. **Investigation** [SCB17, SCB20]. **Inviscid** [BP19, BFN<sup>+</sup>13, CV15, CEIV17, CIN18, CTW13, EW15a, ER12, Kim09, Kim13, LW16a, NN19, Nov19, VW15a]. **Involving** [KRW15, Xu18]. **Ionic** [Dua11]. **Irregular** [DK14, GS12b, LV10]. **Ischemic** [FHX10]. **Isentropic** [FZZ18, FKV15]. **Ising** [AG16]. **Ising-Type** [AG16]. **Isolated** [KN18]. **Isometric** [CHW16]. **Isometry** [KW11]. **Isomorphism** [MM18a]. **Isoperimetric** [BC14, GO18, KL18b, MS14]. **Isothermal** [CQ19, PW15, Kot12]. **Isotropic** [BM12a, CY18, GZ18, MRV19, BFG<sup>+</sup>13]. **Issues** [Gas19, MX19].
- Jacobi** [IS13, BT12, CEH14, CCMW19, DZ14, DDMM18, Feh13, Igb17, MBPS13, MSTY16, Pin19]. **Jacobians** [KRW15]. **Jensen** [Wal14]. **Jet** [WX19]. **Jin** [Bia18]. **JKO** [GM17a]. **Johnson** [KW11]. **Jost** [Wu17]. **Jouguet** [GSW16]. **Jump** [BHR16, KK17b, MP12, Val15]. **Junction** [AMW11]. **Justification** [BFLN16, CCFdIL14, DP14, LXY19, MT13]. **Justified** [DIT15].
- Kac** [ADHZ15, FPTT12, SSZ19, YY18]. **Kadomtsev** [EL17, ILP16, JZ10, LPS18]. **KAM** [PX13, SdIL13, dLSZ17].
- Kantorovich** [FV18, Fri19, GM17a, KV19, LMS16]. **Kármán** [MPT18]. **Kawasaki** [Kut15, CSZ19, Le10, vdBW19]. **KdV** [CR10, DP14, ETZ13, Joh13, Muñ12, Tsu12]. **KdV-Type** [Joh13]. **KdV/KP** [CR10]. **KdV/KP-I** [CR10]. **Keller** [BK13, BH17, BH18, BCJ20, KY12b, CLW12, HJ11, ZLMZ18]. **Kelvin** [DAP19, PZ13, RR17]. **Kernel** [FW18b, HNW10, HNSW11, Löb18, PZ17]. **Kernels** [BGHP18, FK13, LW16b]. **Kick** [Evj11]. **Kind** [CH19b]. **Kinetic** [ASS16, BCL18, CFRT10, CS15b, CY19, CHS13b, FKM<sup>+</sup>16, FL12b, JM12, JXZ16, KMT13, MT13, NT18, Ovc11, Per15, PRT15, RR13, Sto19, WDL18, Zha14]. **Kinetics** [MO15, MS13b]. **Kirchhoff** [Ghi13, MRV19]. **Kirkwood** [CS18]. **Klein** [Com17, DKS16, NS12]. **Knocking** [CHKP19]. **Knothe** [Bon13, CGS10]. **Known** [HMN14, KLO10]. **Koch** [DW13]. **Kohn** [SCB20, SCB17]. **Koiter** [CS10b, Len14]. **Kolmogorov** [AGN19, FL19]. **Kompaneets** [BIP16, LLP16]. **Kontorova** [Fri19]. **Korn** [BCD17b, Fri18, GH14, Har18]. **Korn-Type** [GH14]. **Korteweg** [Aud12, BC17c, CH13, CG10a, DM15, EW19, Kot12, LP19]. **Korteweg-Type** [DM15]. **KP-I** [CR10]. **KPP** [BGHP18, CQ19, CHS13b, FY13b, RTV17, SV14]. **KPP-Fisher** [CHS13b]. **Kramers** [ET16, MZ18]. **Kullback** [PSSW15]. **Kuramoto** [KVM18, Tro17]. **Kuznetsov** [RV12].
- Lagrangian** [BC17c, CNSS17, DKT19, FT13, Gia15, Hyn19, MY17, MSTY16]. **Lake** [Dek19]. **Landau** [HM13, ABGS10, ABGS19, CDW13, COS16, DWZ10, FT17, GS10a, GSV19, GZ18, HM12b, INSZ14, Kac14, KMM11, LX19, Mel10, MP13, MN16, Nov18, PWW17, Wan12, WZZ15, dL14]. **Landau-Type** [GSV19]. **Lane** [BHRW16].

**Langevin** [MN18]. **Language** [Mit10].  
**Laplace**  
 [Ash13, BNDHV10, GT16, TZ13, Xu18].  
**Laplacian** [BHL18, BM15b, BGL16, MRS16,  
 PR13, Rod16, SZ12a, ST19, Yam13, Yam16].  
**Laplacians** [Kal12]. **Laptev** [Kre19]. **Large**  
 [AHP13b, BYZ12, BACP18, BM12b, Ces11,  
 Cho16, DF10, DWYZ12, FZ16, FZZ18,  
 FR17, FMP18, GO18, HHPZ17, HW17,  
 HMW11, IS13, Kim09, Koc16, Kut15,  
 Lam12, LXZ13, LZZ15, LMW17, LWY11,  
 LYZZ14, PZZ19, QW11, RZ14, RZ16,  
 SWX17, TYZZ13, TW15, WZ13b, WZ17,  
 Whe13, Win15, Kim13]. **Large-Amplitude**  
 [RZ16, Whe13]. **Large-Data** [Win15].  
**Large-Scale** [FR17]. **Large-Time**  
 [Cho16, QW11]. **Largest** [NNS18]. **Larmor**  
 [Bos16]. **Lattice** [BGAHS17, BFK16, GZ13,  
 HMSZ13, HO15, HV13, Lee16]. **Lattices**  
 [Bét16, Miz11, Qin15]. **Law** [AP14, BST17a,  
 Chu14, CW13, EKR18, GZ14, LV15, Le10,  
 MY12, SS19, Yos17, Yos18, JM12].  
**Lawrence** [Pen17]. **Laws** [AGN19, CT11,  
 CR18, CD11, Daf13, Daf14, DWY12, GS19,  
 Jun14, KPS18, KMS15, MS13a, NPS18,  
 PT18, VK18, WDL18, XYY19, ZLMZ18].  
**Lax** [CHW16, LW16b]. **Lay**  
 [BHM17, KSW13]. **Lay-Down** [BHM17].  
**Layer**  
 [DDGVM18, GVWK16, HL15, JX15, JT13,  
 Kal12, KL18a, LXY19, Pra13, WW12, XY18].  
**Layered** [Pen17]. **Layers** [CV16, EEW11,  
 GYY18, GN19, HL11, HLWW18, Iye19,  
 LW14b, Ngu10, NOS12, Ohn15, She15].  
**LCD** [Dai17]. **Leading** [AF16]. **Learning**  
 [ST19]. **Least** [Moa11]. **Lebesgue** [HNW10].  
**Leffler** [TAGP18]. **Legendre** [GIV17].  
**Leibler** [PSSW15]. **Lemma** [FL15, Naz12].  
**Length** [BLS15, CLLS17, Nov18, TZ13].  
**Leray** [GP18]. **Leslie** [JL19, WZZ15]. **Less**  
 [AC14]. **Level**  
 [Bec18, CCMW19, CM13, GMT16, Lau18].  
**Level-Set** [GMT16]. **Lévy**  
 [FPTT12, KPZ19, ZBL19]. **Lévy-type**  
 [FPTT12, KPZ19, ZBL19]. **Life** [HI12].  
**Lifetime** [CTW13]. **Lifshitz** [FT17,  
 KMM11, Mel10, MP13, PWW17, dL14].  
**Lifting** [CKV18]. **Ligand** [AET18, ERV17].  
**Ligand-Receptor** [AET18]. **Lighting**  
 [Kar16]. **Like**  
 [AT14, BMR14, BGL16, Muñ12]. **Limit**  
 [ASS16, ASC19, AHP13b, AH16, BM12b,  
 BCT19, BGHP18, BP14a, CEH14, CDM16,  
 CH13, CDM13, CCHR18, CR10, CV15,  
 CP10, CP11, CG10a, CEIV17, CIN18,  
 CDK11, CHS13a, Daf19, DD16, DM15,  
 FGN12, FKM19, FJ18, FPTT12, Gin19,  
 GYY18, GPI18, HY14, Höf18, HY19,  
 HLW12, HWWY13, IT15, JMNR11, JLL10,  
 JX15, JLY15, JLL16, JZ19, KVM18, Kim09,  
 Kim13, LWZ16, LST12, LP16, LLN19,  
 MM17, MB16, NN19, Nov18, Olb19,  
 PWG11, PR13, Pu13, RZ11, SZ12b, SS19,  
 Str10, Tha19, VW15a, Wan11, WX11,  
 WW12, WXY15b, YZZ12, ZZ19].  
**Limitations** [Mer18]. **Limited**  
 [ACM<sup>+</sup>12, FQ16, GLL17, MS13b, Ngu15].  
**Limiting** [Kal12, KL18a, Kut15, Lam12].  
**Limits**  
 [ABGS10, AG16, BAP13, BCS15, BK18b,  
 Ces11, Che12, Due16, EG19, FKN<sup>+</sup>14,  
 GT16, Ghi13, HKN16, JS14, JXZ16, JLL13,  
 Med14, Mel10, Ped15, TSA18, GL19b].  
**Lindenstrauss** [KW11]. **Line** [DL18,  
 GHH17, OSW19, SZ12b, WW10, ZT17].  
**Line-Tension** [SZ12b]. **Linear**  
 [AHKM15, AKKY17, AS13, AZ12, BKK18,  
 BAP13, BFFO17, BCG10, Bos16, Dan17,  
 DFP14a, DFP14b, DNK12, DKR15,  
 DYZ19a, EW15a, FHK13, GP19, Gia15,  
 GT10, GK10, Han14, IKS12, KM13, LRdS18,  
 MO19, NKV19, PZZ19, RZ17, YFK11,  
 Yao19, Zha10, Zha19, DS13]. **Linearization**  
 [BTZ15, DP13, GS17, HS10b, JS14].  
**Linearized** [Che18, CGLS18, DJMZ16,  
 DKN11, FPP19, FI14, FK18, TY11, Wu14b].  
**Linearly** [Len14, MY12]. **Lines**  
 [Bos19, CM13, SWZ15]. **Linkages** [MO15].

**Lions** [Löb18]. **Liouville** [FR17]. **Lipid** [HD17]. **Lipschitz** [AC14, BPS16, BdHQ13, BdHFS16, CKZ17, CHT18, GS10b, HL19b, KVM18, LTV17, WZ16, Xu16]. **Liquid** [CRWX16, CKY18, CMWZ18, CHT18, DS14, DW13, Evj11, Evj13b, EW15b, FL15, GCGJL18, GSV19, GW13, HL12, HM12b, HM13, HW13b, INSZ14, JL19, LLW15, SS15, SW11a, Tay18, Wol19, YZZ10, YZZ12]. **Liquid-Gas** [HL12, YZZ10, YZZ12]. **Liquids** [BOS11]. **Live** [BFGPE<sup>+</sup>12]. **Lizorkin** [Tak10]. **Load** [MO15]. **Load-Dependent** [MO15]. **Loads** [BFGPE<sup>+</sup>12, BD18]. **Local** [AG16, AS15, Bev11, BC14, DLZ12a, Faj16, FQ11, GT16, GM10, GLW17, HNS17, Hof12, HR12, JTW16, KY12a, KMWV14, LY19, Pin19, ST18, Tsu12, WXY15a, ZH10, ZT17, Zho18, dAdM18, dHHI<sup>+</sup>14, Ngu16]. **Locality** [BBO19]. **Localization** [CDN10, CCC18b, NT13, PPP13, TD17]. **Localized** [AKKY17, BCT19, DVW15, LMTT15, LL16b, Ngu17, PY14]. **Locally** [AVP16]. **log** [DP14]. **Logarithmic** [CCV15, DNS12, GP15, JHN12]. **Logistic** [DL10, DL13, DM14, TW11a]. **Long** [ADHZ15, BP19, BF19, BM18, CDX12, CPT10, Daf13, DDF18, DF11, FPZ14, FMP18, FJ18, GW13, HMWY12, IM18, LP16, LS17, MM17, MM18b, MZZ12, MSZ13, ST10, XX10, YZ14b]. **Long-Range** [FJ18]. **Long-term** [ADHZ15]. **Long-Time** [GW13, MM17, MSZ13, ST10, HMWY12]. **Long-Wave** [CPT10, MZZ12]. **Longtime** [CTW17]. **Loss** [Ria10, UWK12]. **Love** [MRV19]. **Low** [Beb16, DD16, FKM19, Gie14, HTX15, JRK19, LST12, LWX11, Liu18a, MMB11]. **Low-Rank** [Beb16]. **Low-Temperature** [MMB11]. **Lower** [AV19, AKKL17, BMC18, BPW15, DLV10, MOR<sup>+</sup>16, Wal14]. **LQ** [ABL13]. **LQ-Problem** [ABL13]. **Lucquin** [ST18]. **Lucquin-Desreux** [ST18].

**Ma** [LL12]. **Mach** [DD16, FKM19, LST12]. **Macro** [JLZ18]. **Macroscopic** [CH15]. **Magnetic** [ABGS10, AHP13b, Bos12, Bos19, CWY14, DZ15, JJ18, Kre19, Lee17, Pen17, PR13, Zho18]. **Magnetically** [CCM14]. **Magnetoelasticity** [BFLS18]. **Magneto hydrodynamic** [DZ15, FMP18, GLT10, HHPZ17, JLL10, JLL16, JLL13, LXZ13, Zhu15]. **Magneto hydrodynamical** [XZ15]. **Magneto hydrodynamics** [Bou13, CWY14, CW16, Lee17, WZ13a]. **Magnetostatic** [CP13]. **Main** [GVZ16]. **Malik** [CG11, KY15]. **Malliavin** [MZ13]. **Management** [CHL17]. **Manakov** [BK15b]. **Manev** [LMR13]. **Manifold** [GPPP13, TW10, VF13, VF15]. **Manifolds** [BMMP16, BMP18, BDLM19, FGR15, HNW10, HNSW11, KMS15, Lau10, NS12, NRS17, Wei12]. **Many** [KY15, Pas13]. **Map** [Ash13, BFV17, Bon13, CGS10, HPS12]. **Mapping** [Mel12]. **Mappings** [MS11]. **Maps** [BB17, BK15a, Gas19, GKR19, RSS17, ZCO15]. **Marcinkiewicz** [GP18]. **Marginal** [FV18]. **Marginals** [Pas13]. **Mass** [AKKL17, ABBK16, Bor19, EHM16, LWX11, Mar10, Pan12b, RP18, SM16, YZ18, Zhi19]. **Mass-Action** [Bor19, Pan12b]. **Mass-Conserving** [ABBK16]. **Mass-Critical** [LWX11, YZ18]. **Master** [Bes16, ST17]. **Matched** [Kal12]. **Matching** [BOS17, MRT14]. **Material** [Beb11, DX19, LS16]. **Materials** [CC11]. **Mathematical** [BDEM18, BMSR<sup>+</sup>13, BFTT18, BDFS18, CDR17, ERV17, FHX10, LZ19]. **Mather** [CGT11]. **Matrices** [MNS11]. **Matrix** [DXZ18, HZ10, LW16b, SZ11]. **Matter** [Igb12]. **Maxima** [AMW10]. **Maximal** [Jun14, ZBL19, vNVW12]. **Maximizing** [BBG17]. **Maximum** [AHØP13, BL19, CCK18, KY12b]. **Maxwell** [Dua11, LYZ16, YY10, AC14, BPS16,

BAH17, DLZ12b, HKN16, IK11, IKS12, JS13b, KLS15, LS13a, LS16, NT19, PWG11, PD17, Tha19, UWK12, WFL12, Xu11, XXK13, Zha19]. **Maxwellian** [KY12a, Yun15]. **Mean** [ABØP19, BC19, BK18a, BØ19, CDM16, CMP13, CNR17, Dai10, Due16, FG18a, GMT16, GP15, GPI18, GLT10, Hel12, HHR17, IT15, KVM18, KK10, LLN19, MPR10, MS18b, Mit10]. **Mean-Field** [ABØP19, Due16, FG18a, GP15, GLT10, IT15, Mit10]. **Meander** [DHPW14]. **Means** [Hal14]. **Measurable** [Kry14]. **Measure** [ABCL18, BGT19, BDG13, CCG18, DDGW18, DT14, EHM16, Mit10, NP16, Oh10, Rod16]. **Measure-Valued** [BGT19, CCG18, EHM16, Mit10]. **Measurement** [MNT13]. **Measurements** [AHKM15, ADMR14, AGS13, CKS15, HPS12, KS14, KNW15, KLS11, LV13, NKV19]. **Measures** [BKK18, BMC18, BK15a, BBV14, CGT11, CMWY16, Ito18, KRW15, LS13c, PSSW15, Rou13, SSST15, XV10]. **Mechanics** [BS16b, JMN11]. **Mechanism** [BLZ16, GCGJL18]. **Mechanisms** [AS13, Cal15]. **Media** [AMP10, Alm17, ACM<sup>+</sup>12, AT14, BCN11, BC17a, CGM16, Can10a, Can10b, DKR16, DL15a, DT14, Ges13, HKK17, IKS12, JRK19, LV12, LS10, LS12a, MMB11, NW17, QWE19, SdL13, dLSZ17]. **Medial** [ZCO15]. **Mediating** [MO15]. **Medium** [ACZ14, AZ17, BFGPE<sup>+</sup>18, BDG13, CT15, CQW18, DGV16, FG15, HSV16, LL16a]. **Meets** [PR13]. **Membrane** [TZ15]. **Membranes** [RP18]. **Memory** [ABØP19, BDT12, PW18, dCPS16]. **MEMS** [GS15c]. **Mesh** [Kar12]. **Meshless** [BB10a]. **Meta** [LS16]. **Meta-Material** [LS16]. **Metal** [LZ19, PUW18]. **Metamaterials** [CC11, CMM13]. **Metastability** [Car14, MS13a]. **Metastable** [GM17b]. **Method** [AM15, AVP16, BS16b, BD18, BRS17, CHL19, CS18, CGS10, CPSW16, CV15, CDD<sup>+</sup>12, DDGW18, FK19a, FW18b, GL17, Kal12, Kar12, Kol11, KLS15, LP19, Len16, NKV19, PY10, VW15a]. **Methods** [BCD<sup>+</sup>11, BC17c, GH10, HPS19, Ito18, Lau18, VZ15, YMYC10, ZCO16]. **Metric** [BFY15, FK13, Igb17, KP13, MOS14, dHHI<sup>+</sup>14]. **Metrics** [GM13]. **MFG** [CG19]. **MHD** [DYZ19b, FFGHR17, LXY19, TW18a, WWX15, XY18]. **Micro** [JLZ18]. **Micro-Macro** [JLZ18]. **Microelectromechanical** [CG10c]. **Microenvironment** [EW18]. **Microlocal** [FQ11, FGN13, KM18]. **Micromagnetics** [DSZ19, PY10]. **Micromotions** [Kha13]. **Micropatterns** [BW17]. **Micropolar** [BR17, BP12b]. **Microscopic** [LR13]. **Microstructure** [Bev11]. **Microstructures** [COS16]. **Microswimmers** [DDM11]. **Midrange** [BCQ12]. **Migration** [EW18]. **Mild** [KPR15, KvMY19]. **Mildly** [Ghi13]. **Mindlin** [BL15]. **Mineral** [HKK17]. **Minimal** [AP15, Ito18, JS13a, Mar10, Pla14, dL14]. **Minimality** [BC14, CJP13, ZK15]. **Minimization** [AS14, BHL18, BLS15, DS19, De 18, Li09, Li11]. **Minimizer** [Bev11]. **Minimizers** [DLSV12, FL15, GO18, HM12b, HM13, KL18b, LS13c, MS14]. **Minimizing** [BK18a, YZ16]. **Minimum** [CQ19]. **Minnaert** [AZ17]. **Miscible** [DT14]. **Mittag** [TAGP18]. **Mittag-Leffler** [TAGP18]. **Mixed** [BPS16, BCdSN18, BLW19, CDN10, CNR17, Gin19, HK15, Sho10, WW12]. **Mixing** [RZ17]. **Mixture** [Evj13b, JMZ18, PSZ19b]. **Mixtures** [BPZ17, Gla17, GM17c, JS13b, MPZ15]. **mKdV** [KM17]. **Mobility** [Del18, Fis13]. **Mode** [YY14]. **Model** [Abe12, ASS16, AAGP18, AKKL17, Ai10, ABGS19, AF17, ALST14, Aud12, BFM12, BIP16, BFLS18, BWW14, Ber17, BFTT18, Bev11, Bia18, BCQ12, BH11, BP14b, BPZ17,

BDFS18, CCC18a, Can10b, CFRT10, CK12, CP13, CDM13, CTW17, CY19, Cho16, CH19a, CDR17, CDNP16, CCM16, COS16, CP19, CSZ19, CHS13b, CWYZ16, CS14c, DDGVM18, DD16, DF10, DS13, DSX17, DT14, DL10, DWZ10, DL13, DIT15, DKS16, EG19, ERV17, Evj11, Evj13a, EW15b, EW18, FZ16, Fel18, FKM<sup>+</sup>16, Fis13, FGJ11, FL15, FHMP16, FHK11, FHX10, Fri19, FL12b, FPTT12, GV19, GLL17, GM14, Gie14, Gla17, Gli13, GRT14, GW13, GN15, GW18, GGRB14, HL12, HD17, Hel12, HJ11, HMWY11, HMWY12, HO15, HNP13, HT18, Igb12, INSZ14, JMN11, JLX15, JLZ18, JL19, KVM18, KK17a]. **Model** [KY12b, Kom15, KK18, KT11, Kut15, Lai14, LMP11, LLP16, LR13, LMZZ17, LMZZ18, LS12b, LX16, LX17c, Liu18b, LZ18, LMMNR17, MO15, NT14, Nov18, Ohn14, OtW10, OR19, Pes15, PRT15, Sab13, SV11, SZ12b, ST18, TW11a, TW15, Tro17, WX11, WWW12, WW12, WLT16, Xu18, YZZ10, YZZ12, Yun15, ZLMZ18, dCPS16, dAdM18, BCJ20]. **Modeled** [Höf18]. **Modeling** [ATSR19, BMY16, CCM12, CMM13, Cui13, DMZ19, DH10, DGVBW10, FMP18, GR13a, KSW13, MBPS13, PPPV16, SSW14, WNRJ13, WX13]. **Models** [BS16a, BK13, BÖ19, BHR16, CNS10, CL13a, Chu14, CG10c, DFP14a, DFP14b, Duc10, GLS10, GZ14, GJMC12, HS16, HMSZ13, HR19, HY13, HMW11, JXZ16, KMT13, LWZ18, López12, LTW14, MLD19, Mit10, PLPSS18, RR13, SP13, Wen14]. **Moderate** [MV19]. **Modes** [Bar14, BCO17, BR11, DVW15, HW11]. **Modified** [GL17, GLL18, GHLN13, Liu19]. **Modulated** [BCS16]. **Modulation** [MBK13]. **Modulus** [CCK18]. **Moist** [CCC<sup>+</sup>17]. **Molecular** [Li09, Li11]. **Moments** [CL18, CMWY16, Pal14, Sal12, TAGP18]. **Monge** [DF13, DL18, Fri19, LR17, Pas11]. **Mono** [MO19]. **Mono-Stable** [MO19]. **Monochromatic** [IN13]. **Monoid** [Sch18b]. **Monostable** [MOZ10, MOZ12, HR15]. **Monotone** [BA10, BA12, FZ14, Feh13, FWW17, LA14, Vis18]. **Monotonicity** [HU13, HPS19, HL19a, KMWV14, LL16a]. **Monotonicity-Based** [HU13, HL19a]. **Morphogens** [CCM16, WW10]. **Morrey** [GP18]. **Morrow** [ST18]. **Mossotti** [Alm17]. **Motion** [ABK12, ABBK16, CM13, DDM11, Fel18, GGAS14, GS12b, KMM11, KMS17, Le10, LZZ15, MPS19, RZ14, SR14]. **Motions** [BR17, Bes12, YZ16]. **Movements** [BK18a, BFV17]. **Moving** [AF16, AET18, BMSR<sup>+</sup>13, BHM17, CS15b, CS10b, EF15, FKN<sup>+</sup>14, HKK15, Iye19, LMP11, Liu18a]. **Muckenhoupt** [AR19]. **Mullins** [Le10]. **Multi** [FV18, MRT15]. **Multi-Marginal** [FV18]. **Multi-solitons** [MRT15]. **Multibody** [BK18b]. **Multibubble** [CM18]. **Multicomponent** [JS13b, LS10, MPZ15]. **Multidimensional** [BEH15, Ber17, BGL12, BGLV16, BGN14, CP12, CLW12, Don11, FKV15, FMP18, HL12, LWY18, LX16, PP19, TW15, ZH10]. **Multilane** [HR19]. **Multilayered** [Gla17]. **Multimarginal** [CDS19, Fri19, GKR19, Pas11]. **Multimaterial** [MMT19]. **Multiphase** [CDS10]. **Multiple** [DN12, EEW11, GIV17, JZ18, KMWV14, LX17c]. **Multiplicative** [Cer11, Tan18]. **Multiresolution** [GI15]. **Multiscale** [FF12, FS14, SSW14, Wei12, ZCO15, Bos16]. **Multispecies** [DJMZ16]. **Multivalued** [GR15a, MS11]. **Multiwave** [Yos17]. **Multiwavelets** [GIV17, HZ10]. **Multowell** [CC10, JS14]. **Mumford** [PSZ19a]. **Muskat** [LM17]. **Mutually** [BDFS18]. **Myers** [LMTT15]. **Nagumo** [CS15a, CKM14, CCHR18, CFF19, SSH19]. **Nano** [LZ19]. **Nano-Gap** [LZ19]. **Nanowires** [Car14]. **Narrow** [CF11].



**Natural** [FT17]. **Naturally** [FHMP16].  
**Navier**  
 [Kim13, SS17, WLT16, ADL14, BT19, BV13, BFGPE<sup>+</sup>12, BFLN16, BM12b, BW12, Bre13, BMR14, BC17c, CDLLSG13, CRWX16, CCK18, CJN19, CS10b, CSZ18, CEIV17, Deu13, DF11, DWYZ12, FZZ18, FPVR13, GMT19, GHMZ10, GP18, GW15, Hof12, HW17, HLW12, HW14, Hyn13, IK11, JJN13, JS13a, JLX15, JZ19, JWX13, Jün10, Kim09, Kwe12, KK17b, LLW17, Lei16, LR15b, LS18, LST12, LMW17, aLW18, Li19, LYZZ14, LY19, MPS19, MOR<sup>+</sup>16, NPS13, NN19, PZ11, Per10, POW15, QW11, RZ14, SS19, TYZZ13, TWW15, VW15a, VY16, WXY15b, WZ13b, WZ17, XZL10, ZZ14, vBW11].  
**Navier-Slip** [WXY15b]. **Near**  
 [ALZ19, CH15, CQW18, JLZ18, KY12a, LMW17, MRS16, Pen17, DT15, RP18, SWZ15, YT11, Yun15, ZZ19, ZT17, AHP13b, AZ17, GHMZ10, Kac14, LP19, Str10].  
**Near-Circular** [YT11]. **Near-Equilibrium** [ZT17]. **Near-Field** [CQW18]. **Nearly** [BBG16, Sch17]. **Necessary** [Lee10].  
**Negative** [CHW16, HV13, LS16]. **Nelson** [AF17]. **Nematic** [CRWX16, Ces11, CKY18, CHT18, Dai17, GSV19, GW13, HM12b, HM13, LLW15, Nov18, SS15, Tay18].  
**Nematics** [MN16]. **Nernst** [HL15, WLT16].  
**Network** [GN15, LWZ18]. **Networks** [BW17, CCC18a, CG10b, DFT17, IT15, NRS17, PT11]. **Neumann**  
 [Lai14, MT16, AKKY17, AMW11, Ash13, BFV17, GL19b, GS18, HPS12, LT11, MT15, MB16, MR15, Sus13]. **Neumann-to** [HPS12]. **Neural** [IT15, VF13, VF15].  
**Neutral** [DM15, GPI18, GH12, WW12].  
**Neutrino** [BFG<sup>+</sup>13]. **Neutron** [GY16b].  
**Nevanlinna** [BOS17]. **Never** [HS19].  
**Newton** [BFDJ13, Kar12]. **Newtonian** [CK13, Ara16, BKP13, BP14a, BP14b, BBS16, CK11, GVWK16, JH18, Kot12, Len14, Str10]. **Nicholson** [LLL14]. **NLS** [CM19, HF13, KMV18, LWX11, Mae17, Mur14]. **No** [GS15c]. **Node** [VW15b].  
**Noise**  
 [BBT14, BMY16, BG14, BHR16, BGAHS17, Cer11, CDM16, SSZ19, Tan18, WZ16].  
**Noise-Induced** [BG14]. **Non**  
 [AR19, BP14b, BBS16, BC11, CQ19, GVWK16, JH18, KVM18, KSW13, Kot12, Sen17, TWW15, TW18a, WZ16, YY18].  
**Non-** [KSW13]. **Non-cutoff** [YY18].  
**Non-Flat** [TWW15]. **Non-isothermal** [Kot12]. **Non-KPP** [CQ19]. **Non-Lipschitz** [KVM18, WZ16]. **Non-Muckenhoupt** [AR19]. **Non-Newtonian** [BP14b, BBS16, GVWK16, JH18, Kot12].  
**Non-Resistive** [TW18a].  
**Non-Self-Adjoint** [BC11, Sen17].  
**Nonanalyticity** [MPN14]. **Nonassociative** [BFM12]. **Nonautonomous** [CHK15, CL17, FHK13, NPS18, HR15].  
**Noncharacteristic** [Ngu10]. **Nonclassical** [Can10b]. **Noncoercive** [DDMM18].  
**Noncompact** [BDLM19, DL15a, JH18].  
**Noncompatible** [JT13]. **Nonconservative** [CWYZ16]. **NonConvex** [GY16b, CGT11, NSS17, Pin19].  
**Noncylindrical** [BDSS18]. **Nondiagonal** [AS13, MS18a]. **Nondominated** [CEH14].  
**Nonexistence** [GKR19, GM14].  
**Nonexponential** [RR17]. **Nonfocal** [FGR15]. **NonHomogeneous** [LT11, Ell12, FPVR13, RSZ18]. **Noninteger** [AS15]. **Nonintegrable** [EJ14].  
**Nonisentropic** [JJL16, LW14b, WFL12].  
**Nonisothermal** [FHK11, LS10]. **Nonlinear** [AS14, ACJ12, AS15, AAS19, BBT14, BR18, BHSZ10, BF19, BGT19, BD18, Bla18a, BDT12, BCdSN18, BGM19, BCT19, BHWY12, BDPS10, BO16, CDS10, CHKP19, CGP13, CS10b, CC10, CR10, CH11a, CK11, CK13, CO12, CN15, CG10c, DSY18, DMZ14, DLZ15, FY13a, FK18, GZ13, Gie14, Gin19, GM15, Gra19, Gro10, GSWZ18, GHLN13, GP11, HKN16, HI19, HY19, HJ15, HL19b, JZN11, Jun14, Kol11, KK10, Kry13, Lau10,

Len16, LS12b, MO19, MPR10, Mar10, MM18b, MS13a, Med14, MOS14, MO15, MC14, NS12, Oh15, PPPV16, Pan12a, Ped15, RSZ18, RTZ17, Sab13, Sac18, SZ12b, SP13, Sch10, Sho10, SSZ19, Sou19, SV14, TW11a, Wan13, YZ18, Yos18, Zho15, vBM14]. **Nonlinearities** [AS15, BCT19, CF14, Cer11, CHL17, DG11, DR13, Feh13, GP15]. **Nonlinearity** [BC17b, CCNP17, IS13, MM18b]. **Nonlocal** [ABR17, AG16, AM15, ADHZ15, BT16, BMC14, BMC18, BC14, BRS17, BGM19, BCQ12, Cha14, CMP13, CR18, CW13, CEQW16, CT16, CFF19, DSV15, DH10, DM14, DGVBW10, DFHM14, GV19, GO18, GT16, HLGMMM14, IISD15, KLW17, KPS18, Le10, LR11, MOZ10, MOZ12, MX19, MS14, PZ17, SV11, SM19, ST17, Sto19, TD17, TW18b, VZ15, WDL18, Zha14, vBM14, BMY16, BL19]. **Nonmonotone** [LLLM14, YZ15]. **Nonnegative** [CPT10, Li19]. **Nonnegativity** [LW15]. **Nonneutral** [GMP13]. **Nonoscillating** [Dan17]. **Nonradiating** [Blå18b]. **Nonrelativistic** [BCT19, BC17b, J LX15, RR13]. **Nonshear** [Iye19]. **Nonsmooth** [BO16, CLW17, Dan17, FK19b, HK15]. **Nonstandard** [CGS17]. **Nonstationary** [CW16, Kha13, PY14, RZ14]. **Nonstrictly** [Lu13]. **Nonsymmetric** [AZ12, Nad10]. **Nontrivial** [DWX18]. **Nonuniform** [HKT18, TW11b]. **Nonuniqueness** [KZ11]. **Nonvanishing** [AFT15, K MV18]. **Nonzero** [BK15b, CCK18, Deu13, vBW11]. **Norm** [CNR17, CJ19, HNSW11]. **Normal** [AHP13b, Ber12a]. **Normalized** [CH19a]. **Norms** [BFFO17]. **Novikov** [HHK18]. **Nozzle** [CHY19, FL12a, LW14a]. **Nozzles** [BDX14, BP19, CDX12, DWX18, WX15, XX10]. **Null** [dAdM18]. **Number** [Bou13, DD16, DLZ15, FKM19, LST12]. **Numerical** [ADHZ15, GO18, YMYC10]. **Numerics** [QWE19, vdBMJLM11]. **Object** [Ngu17]. **Objective** [MT19]. **Observation** [Ngu15]. **Obstacle** [ALP15, Cav12, DD18, Igb17, EH16]. **Obstacles** [NUW11]. **Occurring** [DKR15]. **ODE** [INSZ14, LMP11, SSW14]. **ODEs** [LWZ16, LL18a]. **Off** [AAS19]. **Off-axis** [AAS19]. **Ohm** [JM12]. **Ohta** [Le10, vdBW19]. **Oil** [Can10b, Evj11]. **Oil-Trapping** [Can10b]. **Oldroyd** [FZ16, LZ18]. **Oldroyd-B** [FZ16]. **Oleinik** [Naz12]. **One** [ABCL18, ALST14, ABK12, BBMN12, CCNP17, CPSW16, CHKP19, CH13, CQX18, CCC18b, CG11, CDK11, CEQW16, Del18, DY10, EP12, EM10, FRX19, DFHM14, GIP<sup>+</sup>13, GZ13, HS10b, HLWW18, HL15, HLW12, JK10, LR11, Li19, LYZZ14, MPT19, MNT13, Nii12, Nol11, OW14, PW18, Pol17, SdlL13, TYZZ13, VK18, ZN19]. **One-Dimensional** [ABCL18, ALST14, ABK12, BBMN12, CCNP17, CHKP19, CQX18, CCC18b, CEQW16, Del18, EP12, FRX19, GIP<sup>+</sup>13, GZ13, HLWW18, HLW12, JK10, LR11, Li19, Nii12, OW14, PW18, SdlL13, TYZZ13, LYZZ14, MPT19, Pol17]. **One-Species** [DY10]. **One-Step** [HS10b]. **Only** [Can10a, Can10b, CWY14]. **Ono** [HLR<sup>+</sup>19, Oh10, Wu16, Wu17]. **Onsager** [DN18]. **Open** [DFP14a]. **Operator** [AH16, AV16, AKKY17, AVP16, Bar14, BBR19, BNDHV10, BC11, CP13, CH19b, FQ11, GP14, GHH17, GH18, GLT10, GHLN13, HKK13, Jia12, KP13, Nad10, PZZ19, Wu16, Xu18, Zha14]. **Operators** [AF16, Ale16, AZ12, AR19, AMV15, DL15a, DKR15, Dro18, FR17, GR15b, HS10c, HKOP10, HKOP11, HW11, JHN12, KPZ19, Mel12, Nii12, PZ17, Sen17, Syl12]. **Operators.Part** [GS18]. **Opinion** [PLPSS18]. **Oppositely** [BKR16]. **Optic** [CS17]. **Optical** [ES10, FW18a, YZ14a]. **Optics** [Ben17, CDS10, Ngu13, NT19, WW18]. **Optima** [BH11]. **Optimal** [ABØP19,

APSV19, BPS19, BBG17, BKR16, Bon13, BFLS12, BW17, Bru16, BV18, Can10a, CGS10, CDPS17, Cav12, CLLS17, CCG18, CDS19, DKR15, FV18, Fri19, GKR19, GX17, HW13a, KW12, KN18, Lee10, LX17a, LMS16, LR17, MRT14, MS11, MRV19, OSW19, Pas11, Pas13, Sof18, VZ15, Che15]. **Optimality** [AHP13a, AHKM15]. **Optimally** [GL12, KLL12]. **Optimization** [BFV17, BBV14, HS16, LR17]. **Optimize** [EH16]. **Orbit** [BG14]. **Orbital** [CPP18, KK18]. **Orbitally** [BCdSN18]. **Orbits** [GL15, XYZ16, vdBMJLM11]. **Order** [AI12, BFFO17, BHND18, BÖ19, BGT19, Bos16, CJP13, DKR15, FQS10, GVZ16, Gie14, GL19b, Hal13, IM10, Kac14, Koc16, KNR12, LN10, MS18b, PZZ19, Sch18a, Val15]. **Ordinary** [GS12a, IM10]. **Organized** [JXZ16, Mos18]. **Oriented** [FL12b]. **Orlicz** [BCD17b, NP16]. **Orr** [GN19]. **Orthogonal** [GIV17, SSST15]. **Orthonormal** [HZ10]. **Oscillating** [Bos12, CGM16, EP12, GS15a, KPZ19, LW15]. **Oscillations** [CTW13, CV12, DM15, LXZ13, SW11b]. **Oscillator** [BMY16, Tro17]. **Oscillatory** [AVP16, CS15a, Dro18, DVW15]. **Oseen** [PWW17]. **Ostrovsky** [GP19, HSS17, LPS10]. **Ostwald** [Yos17]. **Other** [BKR16, CG10c, FGJ11, VZ15]. **Outflow** [CJN19]. **Output** [CW13]. **Overlap** [AAK14, ADK15]. **Oxidation** [MMB11].

**P1** [JLX15]. **Packets** [dHGR14]. **Painlevé** [LW16b, dMIS10]. **Painlevé-Type** [dMIS10]. **Pair** [Dek19, Sab13]. **Pairs** [ABDD19, SZ11]. **Palais** [CLW17]. **Panel** [LW16a]. **Parabolic** [AI12, BBT14, BT16, BST17b, BGT19, BO16, Cal15, Cui13, Dan17, DdMH15, DV10, DS13, DK11, DK14, EJ14, EMZ17, FS15, Gia15, GYY18, Hal13, HK15, HS13, KLW17, Kry13, Kry14, LMR15, MPR10, MS13a, NKV19, Pan12a, Pim16, PY14, Pol17, RTZ17, ST10, ST17, Ter11, ZLMZ18]. **Parabolic-Hyperbolic** [Cui13]. **Paradox** [LL11]. **Parallel** [Bre13, Kar16]. **Parameter** [Kac14]. **Parameters** [KLS11, Liu18a, Pen15]. **Parametric** [ABCD<sup>+</sup>18, HS13]. **Paraorthogonal** [Sim16]. **Parseval** [GL12]. **Part** [GS17, AHP13b, DFP14a, DFP14b, Pao15, Pao16, Val15]. **Partial** [AGS13, AAS19, BCD<sup>+</sup>17a, CCFdlL14, CW16, CMM13, DdMH15, DLSV12, DZ15, GK10, Hal12, Hal13, Hyn13, Igb12, Kia16, LRdS18, OR19, SSZ19, YZ14b]. **Partially** [ATSR19, DK11, MY12]. **Particle** [ALST14, BCL11, CPSW16, FW18b, GL17, Höf18, Hyn19, IT15, KvMY19]. **Particles** [Bos12, Ces11, DGV16, FL12b, HKR18, SY14, WLT16]. **Partitions** [BK18a, OR17]. **Passage** [BG14, FK18]. **Past** [CY15, HZ19, CKZ17]. **Pasta** [FW18a, Miz11]. **Patch** [BGLV16]. **Patches** [SWZ15]. **Path** [BB10b, RTZ17]. **Path-Dependent** [RTZ17]. **Paths** [LSW17]. **Pathwise** [Tan18]. **Patlak** [BH18, BK13, BH17, KY12b]. **Pattern** [HSV16, Yos17]. **Patterns** [BLW19, dRDR16, dR18]. **PCM** [WX12]. **PDE** [ALS15, CWH18, CK12, Dan17, HL19b, LMP11, LMR15, RR15, SSW14]. **PDEs** [ABL13, BEH15, Bos16, HS13, LL18b, RTZ17]. **Peak** [BOS17]. **Peaked** [GP19]. **Peakon** [HHK18]. **Pearling** [DHPW14, KP18b]. **Pekar** [LR13]. **Penalization** [BCP19, CLLS17, Olb19]. **Penalty** [AF15]. **Pencil** [Ria10]. **Pencils** [BBR19, Kol11]. **Penetrable** [HL11, LX17b, NUW11]. **Perfect** [BKR16, DS19, LX17a, MR15]. **Perfectly** [Alm17, Kal12, MNT13]. **Perforated** [PPP13]. **Performance** [HR12, WX12]. **Peridynamics** [BMC14, BMC18, SM19]. **Perimeter** [DNWW19]. **Periodic** [Ale16, AVP16, BM15a, BMP18, BG14,

BCG10, BGM19, Bre13, BR11, CL17, CHKP19, CCC18b, CKS15, CDD<sup>+</sup>12, Daf13, DL15a, DVW15, EF15, GP19, GP14, HSS17, Hen10, HW11, HWZ12, HJ15, IM10, IM18, JX15, JZ10, Joh13, KZ11, KL18a, KDT19, LP19, LR15b, LZZ17, LW15, Mae17, Nad10, Nii12, Oh15, PZ17, Pra13, RZ16, SSH19, Sch10, Sen17, Sus13, TZ18, TY11, Tsu12, Wan13, XY14, XYZ16, XYY19, YCW10, dRDR16, dR18, dLSZ17, vBW11, GZ13, HGW14, SdlL13]. **Periodic-Coefficient** [RZ16]. **Periodically** [CCCdIL17, DN12]. **Periods** [HWZ12]. **Permanence** [BS16a, RSS17]. **Permittivity** [GS15c]. **Perona** [CG11, KY15]. **Perpendicular** [AHP13b]. **Perry** [LMTT15]. **Persistence** [GRT14, Le 13, Pan12b]. **Persistent** [CKV18]. **Persuasion** [PLPSS18]. **Perturbation** [ETZ13, Ess16, HW17, Le 13]. **Perturbations** [BFN<sup>+</sup>13, DVW15, GVZ16, JT13, Lau18, Mar10, Smi17, XYY19]. **Perturbed** [AMW11, Cer11, CDZ13, GL19b, ILR17, Mor19]. **Peterlin** [LMMNR17]. **Petviashvili** [EL17, ILP16, JZ10, LP19, LPS18]. **Phase** [AG17, ALP15, AP11, BKL18, BBG12, BCQ12, Can10a, Can10b, CP12, Cho16, CDNP16, CL13b, DNWW19, Evj13a, Evj13b, FL12a, FGJ11, FL12b, GCGJL18, GM17c, GR13b, HNS17, HL12, HD17, HK15, HMSZ13, JMZ18, KLO16, LWZ16, QWE19, RZ17, RR15, Ter11, YZZ10, YZZ12, Abe12, JRK19]. **Phase-Field** [CL13b, FGJ11, HD17, DNWW19]. **Phase-Space** [AP11]. **Phaselocked** [Tro17]. **Phases** [BKR16, Mil18, ST11]. **Phenomena** [BDFS18, FQS10, FGJ11, FMP18, Gia15]. **Phenomenon** [RTY16]. **Phenotypically** [IM18]. **Photoacoustic** [SY17]. **Physical** [EW18, Lei16]. **Physics** [NOS12]. **Phytoplankton** [DH10]. **Pick** [BOS17]. **Piecewise** [CHN18, Fri18, Sei14, Tej17]. **Pinning** [WY13]. **Pipes** [Ara16]. **Pipkin** [EI11]. **Pitaevskii** [BAC12, CPP18, DDF18, HTX15, ILR17, KMS17, Tri18, WY13]. **Place** [TZ15]. **Placement** [EH16]. **Planar** [BL11, BL14, BOO18, BM18, CKM14, CJ19, GLY18, aLW18, Pol17, SY17, dHHMV16]. **Planck** [WLT16, ASC19, BR18, GHMZ10, HL15, HJJ18, JZ18, KKT17, LMW17, MT19, YY10, Zha14]. **Plane** [AHP13b, BK15a, CW16, Dai10, ESvR12, HPS12, LTV17, MPS17, RSZ18, Sei14, Tej17]. **Planetary** [HCHY16]. **Plans** [Fri19]. **Plasma** [CCM14, HK10, NOS12, Ohn15, Otw10, Sch14a, Sch17, WFL12]. **Plasmas** [NS13]. **Plasmon** [LZ19]. **Plasmonic** [LZ19]. **Plastic** [BMY16]. **Plasticity** [BFM12, CDK11, DF15, DS19, Gin19, GS17, SZ12b]. **Plate** [BGM19, MRV12, MRV19, SV18]. **Plateau** [AAD13]. **Plates** [CNS10, MPT18]. **Poincaré** [AKKY17, BB17, DSZ19, DNS12]. **Poincaré-Type** [DSZ19]. **Point** [AMV15, ALM10, GM15, HSV17, HPS12, Lee16, Nii12, PT11, Sei14, vBM14]. **Points** [BOS17, BV10, CKV18, GS15c, LWZ15, Ono11]. **Pointwise** [DKN11, GPT19, Wu14b]. **Poisson** [DYZ19a, DY10, DL15b, JZ18, Li11, ILWW18, Wan12, BDX14, BAC12, BACP18, Bos19, CL18, CJ19, DGV16, Des14, GM11, GMP13, GPI18, HL15, Kom15, KK18, Li09, LP16, LS17, Mas11, NOS12, Ohn15, Pal14, Pen15, Pu13, TYZZ13, TWW15, WLT16, Wen14]. **Polarized** [GG10]. **Polarons** [LR13]. **Pole** [AF16, DXZ18]. **Polycrystals** [FPP19]. **Polygon** [Ash13]. **Polygonal** [BDEM18, BFV17, DT15]. **Polygonal-Shaped** [BDEM18]. **Polyharmonic** [BB10a, Han18]. **Polyhedrons** [Ber12b]. **Polymeric** [CL13a, JLZ18, LS12b]. **Polynomial** [Cer11, HS13, RR17]. **Polynomials** [And12, GIV17, SSST15, Sim16]. **Polytopes** [DK14]. **Polytropic** [FHK11]. **Population** [APSV19, GV19, Lam12, Mit10, MV19]. **Populations** [IM18]. **Poro** [HS18].

**Poro-Visco-Elastic** [HS18]. **Poroelastic** [LP14]. **Porous** [AMP10, ACM<sup>+</sup>12, AT14, BDG13, Can10a, Can10b, CQW18, DKR16, DT14, FG15, Ges13, HKK17, JRK19, LS10, LS12a, MMB11, QWE19]. **Posed** [CM11, CWH18, HKK13]. **Posedness** [ADL14, AET18, ALST14, AN15, BG17, BFTT18, BTZ15, BFS14, CGP13, CY19, CHS13a, Faj16, GV19, GM10, Gna15, HNS17, HL12, HX14, HY14, HHK18, IKS12, JTW16, JL19, KM17, LS13b, LPR12, Li19, LPS13, Mar18, MSZ19, NN12, RV12, TW18a, Tsu12, WXY15a, WLT16, Wan18, Wu14c, XXK13, YZ18, ZZ14, ZT17, Abe12, DZ15, GW18, HTW18, KMW14]. **Positive** [Bor19, CF14, DDF18, FG18b, LV15, HL19a]. **Positivity** [SV18]. **Positron** [Sab13]. **Posteriors** [TSA18]. **Postflutter** [HTW18]. **Potential** [ADHZ15, BM15a, BDG13, CH15, CKS15, CM19, DXZ18, DSY18, GZ13, GZ18, JS13a, Kai17, KS19, LW16a, LZZ15, LWY18, LLM19, LS15, Mae17, SM19]. **Potentials** [BBV14, CK11, CK13, DFV18, FY13a, DFHM14, HL19a, Kia16, TAGP18, Tej17]. **Power** [AF15, AS15, AGS13, AP14, EKR18, DFHM14]. **Power-Law** [AP14]. **Prandtl** [Iye19, KMW14, LWX16, LXY19, WXY15a, XY18]. **Precipitation** [HKK17]. **Precompression** [DP14]. **Predator** [BS16a, HS19]. **Predator-Prey** [HS19]. **Prescribed** [BOS17, CJ19, KRW15, KL18b, TZ13]. **Presence** [ABGS19, BW12, KM13, MNT13, WBS13]. **Preservation** [dCPS16]. **Preserving** [BKP13, Dai10, MLD19]. **Pressure** [CP12, Evj13a, GS12a, JMZ18, SS19, WX19]. **Pressure-Dependent** [Evj13a]. **Pressureless** [Ber17, CSW15]. **Preventing** [BCJ20, HJ11]. **Prey** [BS16a, HS19]. **Primitive** [LT17, LT19, TW10]. **Principal** [DL15a, LZZ17, Nad10, PZZ19]. **Principle** [AHØP13, AF17, BM15a, Cer11, CL17, Kal12, KY12b, KL18a, KR10, Nol11, SX13]. **Principles** [BL19, FR17]. **Priori** [LM14]. **Probabilistic** [BR18]. **Probability** [CMWY16, DXZ18, PSSW15]. **Problem** [ABL13, AHP13a, AAGP18, AI12, AH13, ALP15, AM15, AT14, AMW11, AN15, BL11, BL14, BDEM18, BdHQ13, BdHFS16, BMSR<sup>+</sup>13, Ber12b, BG17, BC14, BV18, CCG10, CCH10, CGM16, CHL19, CCMW19, CDN10, CHN18, Cav12, CLLS17, CF11, CGP13, CP10, CP11, CT15, CCLM15, CH11b, Cui13, Dai17, DD18, DKR16, DLVW13, DL18, DSV15, DG16, DYZ19a, DH10, DLZ12b, Fai14, FRX19, Fel18, GO18, GSV19, GS15c, HNS17, Han18, HHR09, HHR11, Hof12, HKT18, HW17, HLGMMM14, HCHY16, HPS12, ILR17, IY12, JTW16, JJ18, Kai10, KM13, Kar16, Kat19, KLW17, KMV18, KT13, KW12, KLO10, KT11, Lai14, LV12, LTV17, LM17, LX17a, LX19, LPS18, LR17, LT11, LS12b, LY19, LS13c, MMT19, MY12, MRT14, MBPS13, MS14, MR15, NKV19, PPPV16, Pas11, PPP13]. **Problem** [Pla14, Poh15, QW11, Rei18, RTT19, RZZ18, SZ12a, SWX17, ST17, Sus13, TW18a, TY11, Ter11, TW18b, Ves15, WW12, WX19, Wan19, WNRJ13, Wu17, Yos17, Yos18, YZ16, ZZ19, ZT17, ZLMZ18, vdBW19, Che15]. **Problems** [Ale16, AF15, ABCD<sup>+</sup>18, BKK18, BMP18, BFGPE<sup>+</sup>18, Bar14, BT16, Beb16, BMC14, BMC18, Ben17, BMY16, BRS17, BLS15, BR11, BBV14, CQ12, CM14, CCC18b, CG10c, DKR15, DMZ14, DLZ15, ES10, Ell12, ERV17, EHM16, FQ16, GIP<sup>+</sup>13, GY16a, GL19b, HMS14, HSV16, HWWY13, Kar12, KDT19, LV10, Len16, LP14, MPT18, MM11, Moa11, NP16, Otw10, Pao15, Pao16, Pas13, Pin19, RSZ18, RR17, Sei14, Tre13, TSA18, Xu16]. **Procesi** [HZFQ13]. **Process** [AH18, BHM17, HS14, KSW13]. **Processes** [ABØP19, MSZ19, MP12, PT11, RT17, Rou10, YMYC10, ZK15, ZBL19]. **Processing** [CM13]. **Product** [DS10a, GS12a, HMZ15, Liu19].

**Production** [Sab13]. **Profile** [ABCL18, GS15c, LMZZ17, LMZZ18, Mei10, TWW15]. **Profiles** [CCHR18, GP18, GLW17, Lam12, LMN<sup>+</sup>10, dCPS16]. **Programming** [LV13]. **Projection** [KP13]. **Projector** [HNSW11]. **Proof** [CSW15, CM13, HM12a, RR13]. **Propagating** [Pol17]. **Propagation** [BÖ19, DO16, DIT15, FY13b, FG15, Ges13, Gia15, HX14, ILP16, Pal14, Pin19, Qin15, RTV17]. **Propagations** [MO19]. **Propelled** [DDM11]. **Proper** [ABCD<sup>+</sup>18]. **Properties** [AIK10, BCDG16, BST17b, BKR16, DGVBW10, FQ11, GH18, KY12b, KZ18, LS13c, Mel12, Rod16, WU14a, ZK15]. **Property** [BPS16, CKY13, Dua11, Jia12, KW11, LN10, Ngu16, SW18]. **Proximity** [Gro10]. **Pseudo** [BB10a, Ngu16]. **Pseudo-local** [Ngu16]. **Pseudo-Polyharmonic** [BB10a]. **Pseudoidentity** [SZ11]. **Pucci** [BL19]. **Pull** [CG10c]. **Pull-In** [CG10c]. **Pullback** [ZK15]. **Pulse** [HSS17, dRDR16, dR18]. **Pulses** [CS15a]. **Pure** [BHR16, dHGR14].

### **Quadratic**

[GH10, IS13, Kar12, LV13, Thi19].

**Quadrature** [CM14, Lit13]. **Qualitative** [ÁCDP14, CKY13, Leil3, Ter11].

### **Quantitative**

[BdHFS16, CJP13, Neu16, PUW18].

**Quantities** [Daf14]. **Quantization** [WX12].

**Quantum** [BJ16, CKS15, Ilm16, Jün10, KLO16, LR13, LP16, VY16].

**Quasi** [Abe12, And12, BFM12, BK15a, BM19, CCCdL17, CV16, Che19, DNK12, DS13, DLSV12, DM15, EW15a, GZ13, GS17, GPI18, HGW14, Kal12, Kre19, LRdS18, Mae17, NKV19, Nov19, PX13, SdL13, Tsu12, WW12, ZBL19, dLSZ17].

**Quasi-Conformal** [BK15a]. **Quasi-convex** [DLSV12]. **Quasi-cylindrical** [Kal12].

**Quasi-Filling** [CV16]. **Quasi-Geostrophic** [BM19, Che19, EW15a, Nov19, ZBL19].

**Quasi-incompressible** [Abe12].

### **Quasi-Linear**

[DNK12, LRdS18, NKV19, DS13].

**Quasi-Neutral** [DM15, GPI18, WW12].

**Quasi-Periodic** [Mae17, Tsu12, dLSZ17, GZ13, HGW14, SdL13].

**Quasi-Periodically** [CCCdL17].

**Quasi-Reversibility** [NKV19].

**Quasi-Self-Adjointness** [Kre19].

**Quasi-Smooth** [And12]. **Quasi-Static**

[GS17, BFM12]. **Quasi-Töplitz** [PX13].

### **Quasilinear**

[BYH15, DdMH15, Ria10, Sug16].

**Quasineutral** [HKN16]. **Quasistatic**

[AH18, MC14]. **Quintic** [KMV18].

**Radial** [BLW19, CK11, CK13, CNR17].

**Radially** [ACM<sup>+</sup>12, BGL12, LM14].

**Radiating** [Ohn14]. **Radiation**

[JLX15, KL18a, WX11]. **Radiational**

[Liu18b]. **Radiative** [AH13, BCS16, DD16,

FRX19, LMN<sup>+</sup>10, SW11b, ZZ19]. **Radius**

[Bos16]. **Radon** [ABDD19, CNR17, FQ16,

Moo16, Ngu15, PW15, Rod16]. **Ramified**

[AT10]. **Random**

[Alm17, BB17, BP10, CDZ13, DXZ18, FR17,

GGAS14, GKR18, HS19, HS13, KVM17,

Koc16, LMR15, LLM19, LL19, LW16b,

MJ14, MPT19, MZ13, MV19, Nol11, Smi17].

**Randomly** [EKR18, FFGHR17]. **Range**

[FJ18, MM18b, ST15a]. **Rank**

[Beb16, FWW17]. **Rao** [GM17a]. **Rapidly**

[Dro18, EP12]. **Rarefaction**

[DL15b, FRX19, HLW12, JWX13, aLW18,

ILWW18, LW17, Per10, XYY19, ZH10].

**Ratchets** [KUV16]. **Rate**

[AHKM15, ABCL18, BHWY12, CMM10,

CT11, Dai10, IM10, RT17, Rou10].

**Rate-Dependent** [RT17].

**Rate-Independent** [RT17, Rou10]. **Rates**

[AP18, BCD<sup>+</sup>11, BOS11, Che12, CWYZ16,

Ess16, HW13a, MS13b, OSW19, Sri11,

XY14, Xu16, dCPS16]. **Ratio** [KL18b]. **Ray**

[KM18, Mon16, Zho18, PUW18]. **Rayleigh**

[GH10, GT10, JJ18, WW18]. **Reacting**

[BP14b, BPZ17, CKZ17]. **Reaction** [AKKL17, ÁCDP14, BMP18, CFSS18, Cer11, CL17, CFF19, DFT17, DH10, FHK13, GLS10, GLY18, GST13, HS10a, HHMM18, LW12, LZZ17, LMS16, MOZ10, MOZ12, MO15, MB16, MS16, PSV10, SM16, TV18, WW10]. **Reaction-Diffusion** [BMP18, CFF19, DFT17, GLY18, LZZ17, MOZ12]. **Reaction-Hyperbolic** [FHK13]. **Reactions** [HKK17, JMN11]. **Reactive** [AMP10, HKK17]. **Real** [DL18, DKR15, WW10]. **Real-World** [DKR15]. **Rearrangement** [Bon13, Nad10]. **Receiver** [AFK<sup>+</sup>18]. **Receptor** [AET18, ERV17]. **Receptor-Ligand** [ERV17]. **Reciprocals** [And12]. **Reconstruction** [BFRV13, HS10b, HU13, KS14, KLO10, NUW11, Tej17, dHHI<sup>+</sup>14]. **Reconstructions** [AHP13a, AHKM15]. **Recovering** [Hal14]. **Recovery** [FK19b, Kia16, LV13, Mer18, SSST15, TW11b]. **Rectangular** [BPS19]. **Rectifiable** [De 18, MMT19]. **Recurrent** [FGW13, PY14]. **Recursive** [XYD18]. **Reduced** [ABGS19, BCD<sup>+</sup>11, GP19, GZ14]. **Reduction** [BFY15, CCLCP13, KK16, Nov18, SW11a]. **Redundant** [KNW15]. **Refined** [GLW17, Sal12, Sou19]. **Refinement** [MS18a]. **Reflecting** [NS13]. **Reflection** [Cao19, Muñ12]. **Reflections** [DG11]. **Reflectivity** [FGN13]. **Refraction** [Muñ12]. **Refractive** [Kar16]. **Regime** [BS16a, BJ16, BCL11, Bos16, DIT15, GLL17, JRK19, LLN19, XY18]. **Regime-Switching** [BS16a]. **Regimes** [HTW18]. **Region** [HMSZ13, HCHY16]. **Regions** [CCH10, CH11b, KMVW14, TZ13]. **Regression** [XYD18]. **Regular** [Cha14, FT17, GL15, PZ13]. **Regularity** [AC14, AET18, BT19, BKL18, BGLV16, BCL18, BT12, Cao19, CW16, CLLS17, Che18, Dai17, DF13, DdMH15, DLSV12, DKT19, DKR15, DW13, FR17, FS15, GS12a, Gas19, GMT19, GS15b, GGRB14, GY16b, HX14, HS13, HY13, HTX15, Hyn13, HL19b, ILP16, JZ18, KZ18, KT18, KW12, Kwe12, KK17b, Lee10, LJ17, LWX11, LZ17, Liu18a, LZ18, MRS16, MX19, OR19, PZ11, Pal14, Rod16, RZZ18, SWZ15, ST17, UWK12, WWW12, WZ13a, WXY15b, WX13, ZCO15, Zho15, vNVW12, Che15]. **Regularity-Loss** [UWK12]. **Regularization** [BGT19, DL18, ES10, GLL18, Kat19, KP18a, ST19, Val15]. **Regularized** [CSZ19, CT16, GH12, HSS17, Ngu13]. **Regularizing** [AAS19]. **Reissner** [BL15]. **Reiterated** [FF12]. **Related** [CL13a, INSZ14, LW16b, MPR10, MP12, MRT15, MP14, Tak10, ZF12]. **Relation** [KDT19]. **Relations** [MJ14]. **Relationships** [LA14]. **Relative** [BL14, CV15, CK11, CK13, CCLM15, DDGW18, Gie14, JJN13, LT13, LZ18, VW15a]. **Relativistic** [BAH17, HX14, RR13, Str10, SY14, Wan18, ZN19, Zha19]. **Relaxation** [BKK18, BMC18, Daf14, Daf19, Ess16, GYY18, LT13, MMT19, OW14, OSW19, PWG11]. **Relaxed** [LPR12]. **Releases** [APSV19]. **Relevant** [Evj11]. **Reloaded** [FS14]. **Remarks** [CEIV17]. **Remodeled** [MJ14]. **Renormalization** [BBG16, Sab13]. **Renormalized** [AF17]. **Reparametrizations** [Bru16]. **Repelling** [BDFS18]. **Replacement** [APSV19]. **Replication** [CK12]. **Replicator** [KLW17]. **Representation** [BR18, BK18b, Wei12]. **Representations** [GL12, WX12]. **Repulsion** [DFHM14]. **Repulsive** [BLW19, CDS19, GKR19, Rei18]. **Resampling** [AHP13a]. **Rescaled** [MT19]. **Rescaling** [DDMM18]. **Reservoir** [Evj13a]. **Resistance** [AP15, Pla14]. **Resistive** [KT11, TW18a]. **Resolution** [LL11, PP19]. **Resolved** [Gli13]. **Resolving** [AGS13]. **Resonance** [AKKY17, FQS10, LL16b, LZ19, MMB11, Ngu17]. **Resonances** [LS15]. **Resonant**

[AZ17, HGW14, PD17, YZ18, dLSZ17]. **Resonators** [Lei10]. **Respect** [BDEM18, FWW17, Sal12]. **Response** [CCCdL17]. **Restitution** [AL10]. **Restoration** [DSX17]. **Restricted** [BL11, BL14, KW11, KM18]. **Restriction** [Sch14a]. **Result** [BRS17, BK18b, BM15b, CP12, DDM11, DdMH15, DKT19, LMMNR17, MRS16, Pao15, PT18, Poh15, VF13, VF15]. **Results** [AB10, BC14, CGP13, Chu14, DP13, FKM<sup>+</sup>16, Fri18, GS12a, INSZ14, JS14, KZ11, RV12, RT17, Sof18]. **R  thy** [CDX17]. **Retrieval** [AG17]. **Reversibility** [NKV19]. **Reversible** [Bor19]. **Revisited** [CS18]. **Revisiting** [DF15]. **Reynolds** [Bou13]. **Ribbons** [FHMP16]. **Riccati** [dRDR16]. **Riemann** [AAGP18, CQ12, FKV15, HWWY13, Lai14]. **Riemannian** [BMMP16, BMP18, BC19]. **Riesz** [Due16, HSV17, HR12]. **Rigid** [BST17a, CDK11, GS12b, MPS19, MRV12, MRV19, MR15]. **Rigidity** [CC10, CFO19]. **Rigorous** [BFLN16, CCC<sup>+</sup>17, CM12, CT14, CFF19, NTW19, WZZ15, vdBMJLM11]. **Rigorously** [vdBW19]. **Rimming** [BC11]. **Ring** [ST11, WY13]. **Rings** [LS13a]. **Ripples** [FW18a]. **Ritz** [GH10]. **Robin** [AS13, BMMP16, Sin10]. **Robust** [RSS17]. **Rods** [BFLS12]. **Roles** [TW11a]. **Roll** [JZN11, Le 13, RZ16]. **Roll-Waves** [Le 13]. **Root** [Bru16]. **Rosensweig** [NTW19]. **Rotating** [Che12, CQX18, DKN11, FGN12, SW17]. **Rotation** [CFGL17, EL17]. **Rotation-Two-Component** [CFGL17]. **Rotational** [KY12a, MO14]. **Rotationally** [GM10]. **Rotator** [GPPP13]. **Rothe** [BS16b]. **Rough** [AB10, BP12b, CDLLSG13, CWE10, DG16, EH13, GVWK16, HL11, LWZ11, She15, Wol19]. **Roughness** [CM12]. **Roughness-Induced** [CM12]. **Rule** [CD11]. **Running** [AMW10]. **Saari** [YZ16]. **Saddle** [VW15b]. **Saddle-Node** [VW15b]. **Saddles** [BHND18]. **Sampled** [ZCO16]. **Samples** [TW11b]. **Sampling** [AHP13a, AHKM15, BFY15]. **Sandpile** [FJ18]. **Sandpiles** [CCC18a]. **SAR** [AFK<sup>+</sup>18, FGN13]. **Satisfying** [LL12]. **Saturated** [Mar10]. **Saturation** [Cal15]. **Saxton** [Wun10]. **SBD** [Cri19, Fri18]. **SBV** [BT12, DLV10]. **Scalar** [AGN19, CGM16, CV15, CKS15, CW13, Daf13, HKK13, IM10, Jun14, KPS18, KDT19, Lai14, LMN<sup>+</sup>10, LW17, MS13a, MY12, VK18, WDL18, XYY19, Yos17, Yos18]. **Scale** [FR17, GW15]. **Scale-Invariant** [GW15]. **Scaled** [ET16, KMS17]. **Scales** [JZ18, Lei16]. **Scaling** [Bia18, BW17, FJ18, GZ14, GH14, LLN19, dCPS16]. **Scatterers** [Lee16]. **Scattering** [ACZ14, BYZ12, BDEM18, BV10, BK15b, CGM16, CHL19, CLM17, CWE10, CWH18, CM14, EH13, GHLN13, HL11, HSV16, IN13, KL18a, LL16a, LWZ11, LL19, LS15, LX17b, Liu19, MM18b, Mer18, Mur14, NUW11, Spe14, Wu16, Wu17, YZ18]. **Scheme** [CHW16, CG11, FL17, GM17a, Ngu13]. **Schemes** [BHSZ10, CDPS17, CFSS18, Gro10, GK10]. **Schr  dinger** [AV19, AH16, AS15, AAS19, Bar14, BdHQ13, BF19, BFDJ13, BL19, BCdSN18, BDLM19, BLW19, CDS10, CHKP19, CR10, CJ19, CO12, Com17, DSY18, Dro18, FY13a, GZ13, GM11, Gra19, GHLN13, GP11, HL19a, HS10c, HW11, HY19, Ign10, IY12, KS19, Kom15, KK18, Lau10, LLM19, Liu19, LS17, Mar10, Mas11, MM18b, MS16, Nii12, Oh10, Oh15, RSZ18, Wan13, YZ18]. **Schr  dinger-Type** [BdHQ13]. **Schwarz** [Nad10]. **Scott** [vdBMJLM11]. **Screening** [BKR16]. **Screens** [CWH18]. **Screw** [BBO19, HO15]. **SDE** [WZ16]. **SDEs** [MPT19]. **Sea** [CS15b]. **Seawater** [CDR17]. **Second**



[AI12, BFFO17, Ber12b, CJP13, DKR15, FQS10, Har18, Kac14, LN10, MS18b, PZZ19]. **Second-Fourth** [LN10]. **Second-Order** [BFFO17, DKR15, FQS10, MS18b]. **Sections** [DFP14a, DFP14b]. **Sedimentary** [HS18]. **Sedimentation** [Höf18]. **Segel** [BH18, BCJ20, BK13, BH17, CLW12, HJ11, KY12b, ZLMZ18]. **Segregation** [CFSS18, GM17c]. **Sekerka** [Le10]. **Selection** [MO19]. **Self** [AT10, ABCL18, BC11, CMM10, CH11a, CDNP16, CKV18, DDM11, ER12, Gna15, GM15, GP18, JXZ16, Kre19, LLW17, LvR15, LM17, LMR13, LN14, Mos18, RR13, ZN19, Sen17]. **Self-Consistent** [CH11a]. **Self-Generated** [ZN19]. **Self-Gravitating** [RR13]. **Self-Organized** [JXZ16]. **Self-Organized-Criticality** [Mos18]. **Self-Propelled** [DDM11]. **Self-Similar** [AT10, ABCL18, CKV18, ER12, Gna15, GP18, LLW17, LvR15, LMR13, LN14]. **Self-Similarity** [CMM10, LM17, GM15]. **Semi** [CMP13, FT13, Vis18]. **Semi-geostrophic** [FT13]. **Semi-implicit** [CMP13]. **Semi-Monotone** [Vis18]. **Semiclassical** [AH16, AP11, DR13, HS10c, LWZ16, MZ18, PR13]. **Semiconductors** [HMWY11, HMW11, HMWY12, LMZZ17, LMZZ18, WW12]. **Semicontinuity** [BMC18, DLV10]. **Semicontinuous** [BPW15]. **Semidiscrete** [BHSZ10, CG11, GM14]. **Semiflows** [FZ14, FWW17]. **Semigroup** [EW15a, HTW18, MT13]. **Semihyperbolic** [SWZ15]. **Semilinear** [BMMP16, GKR18, HS16, KVM17, Lam12, MQS12, Mar18, Moa11, Pim16, PY14, Pol17, QS12]. **Semipermeable** [GHH17]. **Semisupervised** [ST19]. **Semitrivial** [CO12]. **Sensing** [BDWZ12, KNW15]. **Sensitivities** [Win15]. **Sensitivity** [BL15]. **Separating** [Evj13b]. **Sequence** [LJ17]. **Sequences** [KVM18]. **Serrin** [Fel18, HLX11]. **Serrin-Type** [HLX11]. **Set** [BL11, Bec18, CGH10, Fri19, GMT16, Lau18, Pan12a, Tan15, Val15, ZK15]. **Set-Valued** [ZK15]. **Sets** [BOO18, BLS15, BFLS12, DZ14]. **Setting** [AG17, CGT11, NP16]. **Several** [Daf13]. **Shah** [PSZ19a]. **Shallow** [AAGP18, Che12, CQX18, DLVW13, DLZ12a, Duc10, HT18]. **Sham** [SCB20, SCB17]. **Shape** [BFV17, BL15, BV18, CSZ18, CTW13, HS10b, HU13, HS16, HSV16, KN18, LS13a, XYD18]. **Shape-Reconstruction** [HS10b]. **Shaped** [BDEM18]. **Shapes** [BBG17]. **Sharp** [AHP13a, BSW16, Bra16, CNS10, CCHR18, CQ19, CP10, CN15, DSZ19, DMZ14, EW15a, LV15, ZH10, ZCO15]. **Sharp-Interface** [CP10]. **Sharpening** [CM11]. **Shaw** [Ono11, TW18b, YT11]. **Shear** [BH17, BH18]. **Shearlet** [KLL12]. **Shearlets** [GL12]. **Sheets** [MO14]. **Shell** [AMV15, BHR16, CS10b, DLVW13, Tha19, Len14]. **Shells** [GH14, Yao19]. **Shift** [ABR17, DT15]. **Shigesada** [Kut15]. **Shilov** [LX19]. **Shock** [HZ19, LMN<sup>+</sup>10, LWY18, Ohn14, WW15, XYY19, Yos18]. **Shocks** [BHSZ10, Can10b, CV15, GM14, Sch14a]. **Short** [CV15, DF11, FPZ14, FMP18, HSS17]. **Short-Time** [CV15]. **Shortening** [CM13, Dai10, ESvR12]. **Shrinking** [Fis13, Kut15]. **Shubin** [LX19]. **Side** [BHRW16]. **Side-Stepping** [BHRW16]. **Sided** [BHSZ10]. **Sign** [BV18, LL16a]. **Signal** [LV13, TW15]. **Signed** [LV15]. **Similar** [AT10, ABCL18, CKV18, ER12, Gna15, GP18, LLW17, LvR15, LMR13, LN14]. **Similarity** [CMM10, CT14, Don11, LM17, GM15]. **Simple** [CSW15, CK12, DK14, Fri19, Mon16, RR13]. **Simplicity** [Wu16]. **Simplified** [Sou19]. **Single** [AP15, CCC<sup>+</sup>17, DHPW14, HSV16, JMZ18, SV19]. **Single-Curvature** [DHPW14]. **Single-Phase** [JMZ18].

**Singular**

[ABØP19, AFK<sup>+</sup>18, BØ19, BP10, BBS16, Cha14, Che12, DS10a, DMZ19, DG11, DG16, EG19, FGN12, FT13, GIP<sup>+</sup>13, GR15a, GS18, JT13, KK15, KT18, Lac15, Lau18, MM17, MP12, MBPS13, Pes15, WX11].

**Singular-Degenerate** [GR15a].

**Singular/Regular** [Cha14]. **Singularities** [CHL15, DXZ18, DO16, GL12, JS13a, Mer18, Pin19, VW11]. **Singularity**

[CH15, CPZ17, CQX18, Kwe12, WWW12].

**Singularly**

[AMW11, CDZ13, GL19b, ILR17, Mor19].

**SIS** [CTW17]. **Sixth** [KNR12]. **Size**

[BDPS10, DF10, DLVW13, Tro17].

**Size-Dependent** [DF10]. **Slater** [CS18].

**Sliding** [GW18]. **Slightly** [CDLLSG13].

**Slip** [CDK11, MPS17, WXY15b].

**Slip-Plane** [MPS17]. **Slonczewski** [MP13].

**Slow** [Ale16, CL17, CG11, NT14, She15,

TW15, TW10]. **Slowly**

[FY13b, LW15, Muñ12]. **Smale**

[BHK<sup>+</sup>19, CFRT10, CLW17, CY19, CH19a,

HKK15, HKR18, Pes15, PRT15]. **Small**

[BYH15, Boul3, Ces11, CDM16, CP10,

CP11, CG10a, CM19, GS10a, HMSZ13,

IK11, Joh13, KDT19, KL18b, Liu19, Pen15,

PZZ19, Rou10, TY11, WWX15, XZ15].

**Small-Amplitude** [KDT19]. **Small/Large**

[PZZ19]. **Smearing** [Løb18]. **Smectic**

[SW11a]. **Smectic-A** [SW11a].

**Smoluchowski**

[CMM10, ET16, MZ18, Sri11]. **Smooth**

[And12, Bes16, FPZ14, GN15, HNP15, HI12,

Lau18, LM11, PWG11, Pen15, Sei14, Tej17,

WFL12, WX15, WX16]. **Smoothed**

[FW18b]. **Smoothing** [Aud12, BCL18,

Com17, IO16, Jia12, Jun14, LWX16, LX19].

**Smoothly** [IT15]. **Smoothness** [Jia19].

**Sobolev** [AR19, BM15a, CM11, CWE10,

DF13, DKR15, DNS12, NP16, RZZ18, SV11,

WU14a]. **Soft** [BLZ16]. **Solar** [Gli13].

**Solenoidal** [MM18a]. **Soler** [BC17b].

**Soler-Type** [BC17b]. **Solid** [dAdM18].

**Solids** [Rou10]. **Solitary** [BC17b, CFGL17,

EL17, FW18a, KK10, Le19, Whe13].

**Soliton** [DSY18, GR15b, Mar10, Miz11,

Muñ12, NS12]. **Soliton-like** [Muñ12].

**Soliton-Potential** [DSY18]. **Solitonic**

[CG10a]. **Solitons**

[BDLM19, CHL17, CM19, ILR17, MRT15].

**Solubility** [JRK19]. **Solution**

[BC19, Can10a, CH13, CS10a, CMM13,

CT14, Cui13, DWYZ12, Ess16, EHM16,

GLL17, HKK17, HW13b, HW14, HT17,

LS10, LS12a, Liu19, Løb18, Mas11, MPZ15,

Ter11, Wan12, WWX15, YY18, ZF12, Zha14].

**Solution-Dependent** [EHM16]. **Solutions**

[AV19, AIK10, ABGS19, ABCL18, AFT15,

ACM<sup>+</sup>12, AMW11, AMW10, BDX14,

BMMP16, BMP18, BR18, BR17, BACP18,

BFLS18, BP12a, BST17b, BGT19, Bes16,

BYH15, Bla18a, BW12, BDSS18, BGM19,

Bra16, BN14, Bre13, BMR14, CCCdIL17,

CCM12, CHY19, CRWX16, CKY13, CY15,

CTW17, CMWZ18, Che18, CQX18, CS14b,

Cho16, CPT10, CG19, CM18, CNSS17,

Daf13, Daf14, DS14, DGV16, DDGW18,

DO16, DNK12, DS13, DR13, Don11,

DWZ10, DW13, DLZ12a, DGVBW10, EW19,

EF15, EJ14, EMZ17, Evj11, EW15b, FZ16,

FZZ18, FKV15, FT17, FT13, FG18a, FG18b,

FHK11, FPZ14, Gar11, GZ13, GMP13,

GMT16, GS10a, GG10, GM15, GZ18, GN15,

GP18, GW18, GW15, HGW14, HK15,

HHK18, HNP15, Hof12, HY13, HHPZ17,

HW17, HZFQ13, HL15, HWZ12, HMW11,

HMWY12, HCHY16, HNP13]. **Solutions**

[HI12, Hyn13, IK11, IS13, ILP16, IKM17,

JJN13, JLZ18, JZ19, Jia19, Jün10, KK17a,

KS14, KMT13, KPR15, KY12b, KY15,

KK15, KvMY19, KNR12, Kut15, LLW17,

LM11, LM14, LR15b, LMR13, Len14, Leq11,

LS18, LWX11, LW12, LXZ13, LT17, LZ17,

LMW17, LL18b, LLW15, LW15, LT19, LY19,

Lu13, Mae17, MPN14, MQS12, MY12,

MT19, MOR<sup>+</sup>16, MP13, MPT19, MSZ13,

MRT15, MY17, Moa11, Muñ12, NPS13,

NP16, NTW19, Nov19, NP11, Otw10, Pan12a, Pas11, PZ13, PWG11, Pen15, PY14, Pol17, QW11, Rei18, RTZ17, RR15, RZZ18, SM19, SM16, ST10, Smi17, SSW14, TYZZ13, Tan18, TZ18, TY11, Tha19, Tre13, Tro17, UWK12, VY16, WFL12, WZ13a, WW10, WDL18, WZ13b, WZ17, Win15, WX13, Wu17, XZL10, Xu11, XZ15, Yam13, Yam16, YY10, YFK11, YZZ10]. **Solutions** [YCW10, YMYC10, Yos17, Yos18, YZ16, Zhu15, dAdM18, vBW11]. **Solvability** [AI12, dKR16, HI19, ST18]. **Solvation** [Li09, Li11]. **Solvent** [Li09, Li11, Gla17]. **Some** [AV19, BBS16, Chu14, CMM13, Cri19, Due16, GY16a, HS10a, Jia19, Koc16, Lau10, LR15b, LW12, LL18b, Lu13, MM11, MPT19, MS18b, MP12, Tre13, WZ17, TD17]. **Sommerfeld** [GN19, LL11]. **Sonic** [LMZZ17, LMZZ18, SWZ15, WX16, Wan19]. **Sorting** [BDFS18, CEH14]. **Source** [BFG<sup>+</sup>13, BP10, GMT16, GM15, Kat19, LLM19, LL19, QWE19, TW11a]. **Sources** [BM12a, Blä18b]. **Space** [AC11, AN15, AP11, BC17a, BCP19, Can10a, Can10b, CD11, Daf13, DW13, FWW17, FR17, Gra19, GK10, KK17a, KLO16, LMTT15, LR15b, LX17c, Liu19, LS17, MM18a, Mas11, MW17, NP16, Pal14, SS17, SM19, SSZ19, VK18, WXY15a, WY13]. **Space-Dependent** [AN15]. **Space-Time** [DW13, Gra19, LS17, SS17, SSZ19]. **Space-Times** [MW17, LMTT15]. **Spaces** [AG17, AR19, BB10b, BCD17b, CWE10, CL13a, Com17, FV18, GP18, Kry10, LJ17, Mar18, PSSW15, Tak10, TD17, Wan13, XXX13, ZCO16, ZBL19]. **Spacetimes** [GL15]. **Span** [HI12]. **Sparse** [DS10a, GL12, HS13, KVM17, KLL12, LV13, PP19]. **Spatial** [Deu13, Hal12, Hal13, HL15, LW12, Löb18, PT18, PT11]. **Spatially** [GST13, LX19, Mit10, SSH19, SY14, YY18, dRDR16, dR18]. **Spatiotemporally** [ÁCDP14]. **SPDEs** [Kry10]. **Species** [ABR17, BDFS18, DY10, LTW14, NT14]. **Specific** [FW18b]. **SPECT** [FQ11]. **Spectra** [CNS10, EI11, dRDR16, dR18]. **Spectral** [AAK14, AH16, Ash13, BB17, BBV14, CGLS18, Fai14, GH18, KDT19, Nii12, PPP13, dR18]. **Spectrum** [AKKY17, AMV15, BM15b, GLT10, LYZ16, LWY11, Wu16, vBM14]. **Specularly** [NS13]. **Speed** [CQ19, DS10b, DMZ14, DLZ15, FG15, Ges13, Gia15, GMT16, Ito18, MO19, SY17]. **Speeds** [AFK<sup>+</sup>18, DL15a, HS10a, XY14, YZ15, HR15]. **Sphere** [DSZ19, GM11, KW12]. **Spheres** [HM12a]. **Spherical** [CNR17, Hal14, KV19, Ngu15]. **Spherically** [DWYZ12, FL12a, LW14a, RR13]. **Spike** [GLW17]. **Spikes** [BWW14]. **Spiky** [WW10]. **Spin** [AG16, BCS15, CFO19, GG10, GL19a, KMM11, LNZ14, PWW17]. **Spin-field** [LNZ14]. **Spin-Polarized** [GG10]. **Spin-Transfer** [KMM11]. **Spinodal** [HMSZ13]. **Spline** [CCG18, Han18, SX13]. **Splines** [WU14a]. **Splitting** [CFSS18, GM17a, HKK13]. **Spot** [CK12]. **Spreading** [DL15a, DL10, DMZ14, HS10a, YZ15, DL13]. **Spreading-Vanishing** [DL10, DL13]. **SQG** [CIN18]. **Square** [BBCD<sup>+</sup>18, Bru16]. **Squared** [KW12, ZCO15]. **Squared-Distance** [ZCO15]. **Stability** [ATSR19, BJ10, BMMP16, BMP18, BYZ12, BFN<sup>+</sup>13, BHSZ10, Ben17, BdHQ13, BdHFS16, BF19, BDLM19, BFS14, CV15, CT15, CPP18, CM19, Cui13, DYZ19b, DY10, DL15b, EL17, ER19, FRX19, FKV15, Fel18, FHO16, GLS10, GLY18, GY16a, GW18, GSWZ18, HX14, HNS17, HSS17, HW17, HLWW18, HL15, HJ15, IN13, ILW16, JZN11, Joh13, KT17, KDT19, KK18, KP13, LWZ15, LMN<sup>+</sup>10, LS13b, LW12, aLW18, ILWW18, LLLM14, LW15, LT11, LW14b, Mae17, MOZ10, MOZ12, Moa11, MRV19, Ngu10, NS13, NOS12, Ohn14, Ohn15, Ono11, Pan12b, Ria10, RR17, RZ16, Sin10, TWW15,

Tej17, TW10, Ves15, Vis18, WY15, WW15, WW10, WX13, XY18, XYY19, YZ14b, ZH10, Zha19, dRDR16, dR18, vBM14, Ohn16].

**Stabilization** [CW13, Jia19, LW16a, Lau10].

**Stabilizing** [GW13, JJ18].

**Stable** [AHKM15, ADMR14, BCdSN18, CKS15, DV10, GP11, HO15, LMR13, MO19, Mar10, MRV12].

**Stably** [KS19].

**Stacked** [ILN11].

**Stage** [HS14].

**Standing** [BCdSN18, CKM14, CO12, FL12a, LNZ14].

**Stark** [Sac18].

**Stars** [Liu18b, SW17].

**State** [AHP13b, Bec18, BCL11, FV18, GG10, GH12, HWZ12, Kom15, Poh15, Sch18b, YMYC10, ZN19].

**State-Dependent** [GH12, HWZ12, YMYC10].

**States** [Bor19, BCT19, CF14, CCV15, CDNP16, CO12, Dro18, FY13a, GLW17, GP11, Kai17, KK18, LMR13, Miz11, MS16, Sch17, SW17, TWW15, dlHBMV16, vdBW19].

**Static** [AFT15, GS17, Lei13, Sab13, Tha19, BFM12].

**Stationary** [BP12a, Che18, CS14b, CJ19, CSZ18, Cui13, DKN11, Ess16, FG18a, GW15, GR13b, HW17, HMWY11, Kai17, Kut15, LWZ16, Löb18, MS18b, MS16, Rod16, ZZ19, vdBW19].

**Statistical** [BMR14].

**Steady** [BDX14, Ber12a, BW12, Bor19, CF14, CDX12, CKZ17, Dek19, EEW11, ER12, GG10, GJZ15, HZ19, Iye19, JH18, LMZZ17, LMZZ18, NP11, Poh15, Sch18b, SW17, TWW15, WBS13, WY15, Wen14, XX10, XY14, ZH10].

**Steepest** [Len16].

**Stefan** [BCQ12, HNS17, JS13b].

**Stein** [LLN19].

**Stekloff** [CLM17].

**Steklov** [BBG17, PPPV16].

**Step** [HS10b].

**Stepping** [BHRW16].

**Sticky** [GL17, Hyn19].

**Stochastic** [ABK12, ABBK16, AMW10, BBT14, BFFO17, BMY16, BM12b, BHR16, BGAHS17, BDT12, BGN14, BM19, CL17, CDZ13, DG11, DdMH15, DDMM18, ESvR12, Feh13, FQS10, FG15, FG18b, FL19, GS12a, GGAS14, Ges13, GR15a, GT16, GK10, Hal12, Hal13, Igb12, IT15, LMR15, LRdS18, MQS12, Mar18, MBK13, MZ13, MB16, NSS17, RZ11, SSZ19, YFK11, ZBL19, vNVW12].

**Stokes** [BV13, BC17c, GMT19, GHMZ10, IK11, JJN13, JLX15, Kim13, LMW17, TYZZ13, TWW15, VW15a, XZL10, ADL14, BT19, BFLN16, BM12b, BW12, Bre13, BMR14, CDLLSG13, CRWX16, CCK18, CJN19, CGP13, CS10b, CSZ18, Con12, CEIV17, Deu13, DF11, DWYZ12, EW18, FZZ18, FPVR13, GS15b, GX17, GP18, GW15, Höf18, HW17, HLW12, HW14, Hyn13, JS13a, JZ19, JWX13, Jün10, Kha13, Kim09, Kwe12, KK17b, LLW17, Lei16, LR15b, LS18, LST12, aLW18, Li19, LYZZ14, LY19, MOR<sup>+</sup>16, NPS13, NN19, PZ11, Per10, PW15, QW11, RZ14, SS19, SS17, VY16, WXY15b, WLT16, WZ13b, WZ17, ZZ14, ZT17, vBW11].

**Stokes-Like** [BMR14].

**Stokes** [?]Abels:2014:WPF.

**Stokes/Allen** [XZL10].

**Stopping** [ABØP19].

**Storativity** [CDR17].

**Straight** [Bos19].

**Strain** [Gin19, Yao19].

**Strain-Gradient** [Gin19].

**Strained** [GZ14].

**Strains** [Rou10].

**Strategies** [APSV19].

**Strategy** [Kat19].

**Stratified** [BC17a, Bel17, DYZ19b].

**Strauss** [MW17].

**Streamlines** [Hen10].

**Stress** [SV18].

**Strichartz** [Ign10, MS18a, Ovc11].

**Striped** [Lóp12].

**Strong** [Abe12, ABGS10, ABGS19, AP11, Bos19, CRWX16, CH13, DAP19, HY19, HW14, HT17, JJN13, KPR15, KP18b, Leq11, LMW17, LY19, LZ18, MPT19, Neu16, NPS18, PSZ19b, RR17, SS15, WX11, WX13, XY14, ZF12].

**Strongly** [BA10, BA12, EP12, GS15a, LPS13].

**Structural** [Vis18, WY15, ZH10].

**Structure** [BST17a, BDEM18, BGL16, GLZ17, Kut15, Leq11, LYZ16, Pin19, UWK12].

**Structured** [IM18, KNW15, MO15].

**Structures** [BC19, DVW15, LWZ18].

**Study** [Ber17].

**Sturm** [Pim16].

**Style** [Sch14b].

**Sub** [BC19, Igb17].

**Sub-Hamilton** [Igb17].

**Sub-Riemannian** [BC19].

**Subdifferential** [NN12].

**Subdiffusion** [VZ15].

**Subdivision** [Gro10].

**Subject** [KvMY19, LZZ15].

**Subjected** [Wol19].

**Sublinear**

[AP18, SW18]. **Submerged** [KM13]. **Submitted** [ABR17]. **Submonolayer** [dCPS16]. **Subsonic** [BDX14, CDX12, Han14, HMSZ13, LW16a, LMZZ17, WX16, WX19, Wan19, Wen14, XX10]. **Subsonic-Sonic** [WX16, Wan19]. **Suitable** [WZ13a]. **Sup** [BCDG16]. **Super** [PP19]. **Super-Resolution** [PP19]. **Superconducting** [ABGS19, GS10a]. **Superconductivity** [AHP13b]. **Superconductors** [COS16, CP19, Pen17]. **Supercritical** [CCMW19, NPS13]. **Superlinear** [BEH15]. **Supernova** [BFG<sup>+</sup>13]. **Superposition** [lLWW18, WW15]. **Supersolutions** [Zhi19]. **Supersonic** [CY15, CKZ17, HZ19, LMZZ18, WX15, WY15, ZH10]. **Support** [BCO17, CL18, Fis13]. **Supported** [HMZ15, KLL12, WU14a]. **Suppression** [BH17, BH18]. **Sure** [AMW10, NPS13]. **Surface** [ALS15, AET18, Bev11, CHW16, Che19, CTW13, CHS13a, DKT19, Duc10, EW15a, ERV17, FKM<sup>+</sup>16, GLL17, GVWK16, GL12, Han18, Han14, HD17, Hen10, JTW16, KT17, LS13b, LZ19, LPS13, LX16, LX17c, Nes14, OR19, RTT19, SWX17, Wu14c, Xu18, YT11]. **Surface-Internal** [JTW16]. **Surface-Waves-Type** [SWX17]. **Surfaces** [CWE10, DG16, EH13, GP14, Kar16, LWZ11, Mon16, Ngu15, Yao19]. **Surfactant** [FKM<sup>+</sup>16]. **Surfactants** [KT17]. **Surgery** [BM15b]. **Surrounding** [WX19]. **Suspension** [HM12a]. **SVD** [ADK15]. **Sweat** [LS12a]. **Sweeping** [AH18, MSZ19]. **Swift** [MBK13]. **Swimmer** [Kha13]. **Swirl** [DWX18]. **Switching** [BS16a, GCGJL18, HS19, LMR15, YMYC10]. **Symmetric** [ACM<sup>+</sup>12, ABCD<sup>+</sup>18, BWW14, BGL12, BCS15, DWYZ12, Ell12, FL12a, GM10, HZ10, KM18, LM14, LW14a, LW14b, RR13, RW14, vdBMJLM11, vdBW19]. **Symmetries** [BBO19]. **Symmetrization** [Des14]. **Symmetry** [BFN<sup>+</sup>13, BM18, DP13, GL19a, GL15, HZ10, HD17, HM12b, MO14, Pol17, QS12, Tre13, HM13]. **Symmetry-Breaking** [HD17]. **Symplectic** [CCFdL14, CdGDN18]. **Synchronization** [ST11]. **Synchronized** [Mos18]. **Synchrosqueezed** [YY14]. **Synchrosqueezing** [TW11b]. **Synchrosqueezing-Based** [TW11b]. **System** [ADL14, ALS15, AI12, AET18, ÁCDP14, ATSR19, AFT15, BT19, BDX14, BV13, BST17a, BPS19, BAH17, BACP18, BK15b, Bla18a, Bou13, BL15, BC17c, CS15a, CDLLSG13, CRWX16, CDM16, CJN19, CH13, CLW12, CFGL17, CL18, CMWZ18, CCHR18, CQX18, CFO19, CJ19, CO12, CGS17, CDK11, CFF19, DS14, Dai17, DJMZ16, DMZ19, DGV16, DN12, DYZ19a, DY10, Dua11, DL15b, Duc10, Faj16, FPP19, FKV15, FKM19, FT13, FPVR13, GM11, GMP13, GS10a, GMT19, GHMZ10, HKK15, HX10, HK15, HS19, HNP15, HLWW18, HW14, HT17, Hyn19, IK11, IT15, IKS12, JMN11, JJN13, JZ18, KLS15, LMR13, LPR12, Leq11, LST12, LS12a, LL16b, lLWW18, LN10, LN14, Mas11, Mei10, MRT15, Ngu16, NTW19, Nov19, Oh10, Ohn16, PZ11, Pal14, PZ13, PW18, Pu13, RW14, RR15, SWZ15, SSW14, Tha19]. **System** [UWK12, VW15a, Wan11, WFL12, Wan12, WW10, Win15, WK17, WX13, WWX15, Wun10, XZ15, YY10, YZ18, YCW10, Zha19, ZLMZ18]. **Systems** [ABL13, AG16, AS13, BEH15, BA10, BA12, BGAHS17, Bor19, BCS15, Bra16, BHWW12, BMR14, BGL16, BLW19, CCFdL14, CFSS18, CCLCP13, Cer11, CL17, CHL15, CQ19, Com17, Con12, CPP18, CN15, CG10c, DP13, DZ14, DFT17, DNK12, DL15a, DK11, DX19, EW15a, EKR18, FGW13, Feh13, FS15, FPZ14, GLS10, GLY18, GPPP13, GYY18, GG10, GS15b, GX17, HKN16, HHMM18, HL15, HV13, ILN11, Jia19, JS13b, LW12, LYZ16, LZZ17, LPS13, Lu13, MM17, MS18b, MSZ13, MSTY16, MB16,

MS16, Mor19, Pan12b, Pen15, QS12, SWX17, SSH19, Sch18b, SM19, SM16, Sus13, TW18a, YZ15, YMYC10, Zhi19, LW16b]. **Szego** [Thi19].

**Tail** [BCS15, MBPS13]. **Tailed** [BGHP18]. **Tails** [AL10, CS15a, MV19]. **Tangent** [GZ13]. **Tangential** [Pao16]. **Tartar** [BRS17]. **Tataru** [DW13]. **Taxis** [Zhi19]. **Taylor** [GT10, JJ18]. **Technique** [Val15]. **Teeth** [CHKP19]. **Temperature** [BV13, DDF18, JK10, LYZZ14, MMB11]. **Tempered** [ACM<sup>+</sup>12]. **Tending** [FY13a]. **Tension** [CTW13, CHS13a, DKT19, Nes14, SZ12b, YT11]. **Tensor** [BCS15, CRWX16, DS10a, GGRB14, HMZ15, HS13, KM18, Mil18, PZ11, Win15, Zho18, ADL14, Dai17]. **Tensor-Valued** [Win15]. **Tensors** [Mil18, Yao19]. **Teramoto** [Kut15]. **Term** [AF16, AI12, Bev11, BP10, Jia12, Olb19, WWX15, ADHZ15]. **Terminal** [NKV19]. **Terms** [BT16, GVZ16, GMT16, QWE19]. **Ternary** [RW14]. **Terraces** [Pol17]. **Textile** [LS10]. **their** [ZK15]. **Theorem** [CLW17, Kry13, Kryo14, DT15, PX13]. **Theorems** [AT10, CL13a, LX16, RZ11, TD17, Xu18]. **Theoretical** [Ber17, GO18, SCB17, SCB20, ZCO16]. **Theories** [Yao19]. **Theory** [ABL13, AC14, AMP10, AS15, AZ17, BAP13, BB17, BBG12, BBS16, CGLS18, DS10b, Fai14, FR17, FW18b, GR15b, GX17, HM12b, HM13, JT13, Lee10, LW16b, MT13, NT18, DT15, ST17, SdL13, WZZ15, dlLSZ17]. **Thermal** [Con12]. **Thermo** [RR17, SY17]. **Thermo-** [SY17]. **Thermodynamic** [HKR18]. **Thermodynamically** [RR15]. **Thermodynamics** [Rou10]. **Thermomechanical** [DKR16]. **Thermoviscoelastic** [PZ13]. **Theta** [Bét16]. **Thick** [LS15]. **Thin** [ABGS10, AVP16, BFLS12, BGHP18, BP12b, CNS10, CDN10, CDLLSG13, CPT10, CM12, CKV18, DFP14a, DFP14b, Ess16, FG18b, FHO16, Gna15, Har18, KK16, LM17, Mel10, MS14, MO14, RP18, RZ16, Tha19, Yao19]. **Thin-Film** [CKV18, Ess16, FG18b, Gna15, Mel10]. **Thin-Walled** [DFP14a, DFP14b]. **Third** [AI12]. **Three** [BFN<sup>+</sup>13, BV10, BD18, BMR14, CP19, CY18, DS10b, DWX18, GMP13, GR13a, HGW14, Hof12, HHPZ17, HW13a, HW13b, HLX11, Kai10, Lei16, LS12a, LLW15, Mar10, MOR<sup>+</sup>16, Nov19, RV12, WY15, WXY15b, WY13, WZ17, XZ15, ZH10, vdBW19, LY19]. **Three-Dimensional** [BFN<sup>+</sup>13, BV10, BMR14, CP19, DS10b, DWX18, GR13a, Hof12, HHPZ17, HW13a, HW13b, HLX11, Kai10, Lei16, LS12a, Mar10, MOR<sup>+</sup>16, Nov19, RV12, WY15, WXY15b, WY13, WZ17, XZ15, ZH10]. **Three-Wave** [HGW14]. **Threshold** [IT15]. **Thresholds** [CHL17]. **Thrombus** [WNRJ13]. **Tight** [HMZ15, WX12]. **Time** [AC14, BJ10, BM12a, BMP18, BK13, BGL12, Bre13, BM18, CHL19, CDW13, CMP13, CM14, CHL15, CV15, Cho16, CH19a, CKS15, CG19, CG11, CdGDN18, CN15, Daf13, DDF18, DF10, Deu13, DK14, DW13, EW19, EF15, FGW13, FS14, FS15, GIP<sup>+</sup>13, GM10, Gia15, GS10b, GP15, Gra19, GW13, GGRB14, Hal12, HMW11, IS13, IM18, Kia16, KS19, Kry14, LR15b, LMW17, LL18b, LRdS18, LS17, MM17, MOZ10, MOZ12, MSZ13, Mos18, NT19, QW11, SWX17, SS17, ST10, SSZ19, Spe14, SCB17, SCB20, ST15b, Sug16, ST18, TW15, TY11, UWK12, VW11, VZ15, WWW12, Wan12, XY18, YZ14b, vBW11, HMWY12]. **Time-Delay** [CN15]. **Time-Delayed** [MOZ10, ST15b, MOZ12]. **Time-Dependent** [BJ10, BMP18, CKS15, CG19, Deu13, GIP<sup>+</sup>13, GS10b, GP15, Kia16, KS19, SCB17, NT19, SCB20]. **Time-Discrete** [CMP13]. **Time-Fractional** [LRdS18, VZ15].

**Time-Frequency** [CdGDN18].  
**Time-Harmonic** [Spe14, BM12a].  
**Time-Local** [ST18]. **Time-Periodic** [Bre13, EF15, IM18, LR15b, TY11].  
**Time-Recurrent** [FGW13]. **Times** [BF19, FG15, IT15, INRZ10, MW17, dHHI<sup>+</sup>14, LMTT15]. **Timoshenko** [ATSR19]. **Tissue** [CCM16, dAdM18].  
**Tissues** [JMNR11]. **Tokamak** [HK10].  
**Tomography** [BCS16, ES10, HHR09, HHR11, HS10b, HU13, Ilm16, KT13, Liu18a, PUW18, SY17].  
**Tool** [IISD15]. **Töplitz** [PX13]. **Torque** [KMM11]. **Torrey** [GH18]. **Torsion** [Bel10, BFLS12]. **Torsional** [BGM19].  
**Tortorelli** [FI14, FL17]. **Torus** [Wu14b].  
**Touch** [CKV18]. **Touch-Down** [CKV18].  
**Touchdown** [GS15c]. **Trace** [AT10, BCD17b, LT11, EH16, TD17].  
**Trace-Free** [BCD17b]. **Traces** [KMS15, NPS18]. **Tracking** [KR10]. **Traffic** [BH11, CG10b, GM14, HR19, KPS18, LMP11]. **Trajectory** [BMR14]. **Transfer** [AH13, KLS11, KMM11]. **Transform** [AAK14, ADK15, ABDD19, BK15b, CNR17, FQ16, GR13b, KM18, Mon16, Moo16, Ngu15, PW15, ST15a, YY14, Zho18].  
**Transformation** [Ngu13, NT19, dRDR16].  
**Transient** [BMSR<sup>+</sup>13, GLZ17, MO15].  
**Transition** [CKY18, DLZ15, FL12b, HMSZ13, LSW17, HR15]. **Transitions** [BKLU18, BBG12, BCQ12, CFO19, FL12a, GPPP13, RR15]. **Translating** [DKN11, GW18, YT11]. **Translation** [GL19a]. **Translation-Invariant** [GL19a].  
**Transmission** [Blå18b, CGH10, CCG10, CCH10, CH11b, Fai14, GVZ16, HKOP10, HKOP11, LV12, LV15, LWZ18, LR15a, RR17, Syl12].  
**Transmitter** [AFK<sup>+</sup>18]. **Transonic** [HCHY16, LW14a, WX16]. **Transport** [AMP10, BJ10, BM12a, BAP13, BCS16, Ber12a, BFG<sup>+</sup>13, BCL18, Bon13, Bos12, BW17, BBS11, CGS10, CDPS17, Cav12, Cha14, CDM13, CCG18, CS17, CDS19, CHS13b, FV18, Fri19, GKR19, GS10b, GY16a, GY16b, GJMC12, HKK17, JK10, LS12a, LMS16, LR17, LYZZ14, MMT19, Ovc11, SM16, XV10, ZZ19, Che15].  
**Transportation** [GM13, KW12, Lee10, Pas11, Pas13].  
**Transverse** [JZ10]. **Trapped** [NT13].  
**Trapping** [Can10b, CM19]. **Travel** [dHHI<sup>+</sup>14]. **Traveling** [Ai10, BF19, CQ19, CHS13b, FZ14, GLS10, HSS17, HV13, HJ15, Ito18, JZ10, LWZ18, LW12, LLLM14, MOZ10, MOZ12, MN12, NW17, Noll1, Ohn16, SSH19, Tan15, TV18, YZ15, dL14].  
**Travelling** [Hen10, HR10]. **Treatment** [CCC<sup>+</sup>17]. **Tree** [Ign10]. **Trees** [FK13].  
**Trend** [DFT17, KKT17]. **Triangular** [Syl12]. **Tridiagonal** [FGW13]. **Triebel** [Tak10]. **Triple** [AMW11]. **Trudinger** [LL12]. **Truncated** [AAK14, ADK15].  
**Tsingou** [FW18a]. **Tug** [MPR10].  
**Tug-of-War** [MPR10]. **Tumor** [Cui13, EG19]. **Tumors** [dAdM18].  
**Turbulence** [CS14a, KT11, NT18].  
**Turbulent** [XY14]. **Turing** [AS13].  
**Turning** [LWZ15]. **Twisted** [FHMP16].  
**Two** [Abe12, AAGP18, ALP15, BDX14, BYZ12, BFRV13, BFN<sup>+</sup>13, BC19, BHSZ10, Bét16, BBG16, BW12, BCJ20, BDFS18, CNS10, Can10a, Can10b, CP12, CS18, CRWX16, CQ12, CFGL17, CKZ17, CKY18, CDX17, Cho16, CNR17, CDNP16, CFO19, CQW18, CWYZ16, DG11, DLZ12b, Duc10, Evj13a, Evj13b, EW18, FPP19, FL19, GS12b, GH18, GW15, GLW17, HNS17, HL12, HJ11, HS14, HW14, IY12, JMWZ14, JRK19, Kai10, Lac15, Lai18, aLW18, ILWW18, LW16b, LS15, LPS13, LTW14, Mas11, Mil18, MMP13, NT14, NW17, Ono11, PSZ19b, Pin19, QWE19, ST15a, Ter11, WXY15a, WW15, XY14, XXK13, YY14, YZZ10, YZZ12, ZZ14, DZ15].  
**Two-Component** [PSZ19b, JRK19].  
**Two-Dimensional**

[BDX14, BFN<sup>+</sup>13, Bét16, BCJ20, CNS10, CQ12, CKZ17, CFO19, CQW18, FPP19, GS12b, GW15, GLW17, HJ11, JMWZ14, Kai10, Lac15, Lai18, aLW18, LS15, LPS13, Mas11, Mil18, MMP13, NW17, ST15a, XY14, YY14, ZZ14, DZ15]. **Two-Fluid** [CWYZ16, Duc10, EW18, XXK13]. **Two-fluids** [DLZ12b]. **Two-Phase** [ALP15, Can10a, Can10b, CP12, Cho16, Evj13a, Evj13b, HNS17, HL12, QWE19, Ter11, YZZ10, YZZ12, Abe12, JRK19]. **Two-Sided** [BHSZ10]. **Two-Species** [LTW14]. **Two-Stage** [HS14]. **Two-Weight** [CNR17]. **Type** [Ale16, AG16, AM15, AS13, BL19, BDG13, BRS17, BNDHV10, BC17b, BM19, CDM13, COS16, DF13, DdMH15, DSZ19, DM15, EI11, FMP18, GH14, HR10, HLX11, Joh13, KNR12, Kot12, Lei13, Len14, LZ17, PZ13, PZ17, SSST15, SWX17, SSH19, SM16, UWK12, VW15b, Yos17, ZLMZ18, dMIS10, Dan17, KPZ19, OSW19, BdHQ13, GSV19, FPTT12, ZBL19]. **Type-I** [COS16].

**Ulam** [FW18a, Miz11]. **Ultrasound** [BCS16]. **Unbounded** [BAH17, CWE10, CTW13, EH13, GLZ17, JJN13, LWZ11, MPT19, Pim16]. **Uncertainty** [JZ18]. **Unconditional** [HF13, HTX15]. **Underlying** [MV19]. **Unequal** [EW15b]. **Unfolding** [AVP16, CDD<sup>+</sup>12, GP14]. **Uniaxial** [HM12b, HM13]. **Unified** [BBS16]. **Uniform** [AHP13a, AF15, ATSR19, AGN19, Bec18, Bia18, CL18, Dua11, GRT14, GS15b, HX14, JZ18, Lee17, MRS16, WXY15b]. **Uniformly** [CEIV17, Pen15]. **Unifying** [FG15]. **Unilateral** [Ber17]. **Unipolar** [HMWY11]. **Unique** [LN10, Otw10, SW18]. **Uniqueness** [BEH15, BFGPE<sup>+</sup>18, BT16, BC19, BCL11, CHN18, CG19, CMM13, Daf19, DDM11, FKM<sup>+</sup>16, GP19, GS10a, GMT19, GGRB14, GLW17, HF13, HKK17, HTX15, INSZ14, JJN13, KZ11, KvMY19, Lac15, LTV17, LT17, LW15, LT11, LY19, LZ18, Pas11, Poh15, YMYC10]. **Unit** [Sim16]. **Unitarization** [ABDD19]. **Unitary** [SX13]. **Universal** [Hal14, HS10c, Zha10]. **Unknown** [LLM19, Sin10, Ves15]. **Unsaturated** [DKR16]. **Unstable** [BJ16, BG14, CPT10]. **Unsteady** [BR17, BGMŚG12, DDGVM18, LWY18]. **Unwinding** [CStW17]. **Upper** [BOS11, Syl12]. **Using** [CM14, GL12, GR13b, KS14, KR10, KLS11, Ngu13, VW15a].

**Vacuum** [DWYZ12, DLZ12a, HHPZ17, HLW12, HW14, JWX13, Lee17, LXZ13, LZZ15, MY17, Per10, Str10, WZ13b, WZ17, Zhu15]. **Validation** [LX17c]. **Validity** [DKS16, Mor19]. **Value** [AI12, Beb16, BMY16, BdHQ13, BdHFS16, CDN10, CHN18, IY12, KMV18, KT11, Len16, MPR10, NNS18, NP16, NKV19, Otw10, RSZ18, TW18a, Ves15]. **Valued** [AAD13, BGT19, CCG18, EHM16, LTV17, Mit10, Win15, YZ18, ZK15]. **Values** [GMM13]. **Vanish** [Ber12a, Blå18b]. **Vanishing** [BHWY12, CH13, CT11, CG10b, DL10, GS19, JJJ10, Nov18, Rou13, SS19, WXY15b, DL13]. **Variable** [AL10, BGL16, BC17c, BO16, CDL16, CHK15, DLV10, Kry14, SY17]. **Variables** [CH15, NV12, WXY15a]. **Variably** [DK11]. **Variant** [CLW17]. **Variation** [AF16, KMS15, Mit10]. **Variational** [AH18, AF15, ALM10, Bar14, BS16b, BMC14, BMC18, BMY16, BP12a, BDSS18, BOO18, CWE10, CFO19, FG18a, FHMP16, HMS14, HS16, JHN12, KR10, LLN19, MPT18, MS18b, MN12, NP11, SV11, SV19, SS17]. **Variational-Hemivariational** [BS16b, HMS14]. **Variations** [AAS19, KY12b]. **Varifolds** [De 18]. **Varying** [LJ17, Muñ12, WK17]. **Vasculogenesis** [DS13]. **Vector** [AAD13,



BB10a, BBG16, MM18a, Mon16, YZ18]. **Vector-Valued** [AAD13, YZ18]. **Vehicular** [HR19]. **Velocities** [AAGP18, Cha14, EHM16, EW15b, MZ13]. **Velocity** [Ber12a, Bru16, CEIV17, CW13, Deu13, KUV16, WWX15]. **Ventcel** [BNDHV10]. **Version** [Bes12, HLR<sup>+</sup>19]. **versus** [LWZ16, Muñ12, WWW12]. **Vertex** [Koc16]. **Very** [Bla18a, HR12]. **Vesicle** [WX13]. **Vesicles** [HD17]. **Via** [BH17, BH18, BFFO17, BMC18, AZ12, BM10, BRS17, BLW19, CM11, CP19, CN15, DP13, FF12, GS18, HSV17, Ito18, KY12b, KP18a, KDT19, KW11, LV13, LR17, LS13c, MMT19, MOS14, NV12, Ngu17, NT19, PSV10, SV11, Syl12, VZ15, dRDR16]. **Vibrating** [DGV16, RP18]. **Vibro** [Pao15, Pao16]. **Vibro-Impact** [Pao15, Pao16]. **Vicinal** [GLL17]. **View** [ALM10]. **Viewpoint** [CCG18]. **Vineyard** [Ai10]. **Violent** [Ben17]. **Visco** [HS18, Rou13]. **Visco-elastic** [Rou13]. **Viscoelastic** [ATSR19, BP14a, Chu14, DAP19, HX10, HW13a, Hyn13, LLW17, LMMNR17, Nes14, ZF12]. **Viscoelasticity** [DNK12, FK18, MOS14, RR17]. **Viscoplasticity** [NN12]. **Viscosities** [LT19]. **Viscosity** [BC19, BM12b, BHWY12, BC17c, CH13, CT11, CG10b, Giel4, GS19, HM12a, JLL10, JWX13, RTZ17, Rou13, SS19, WXY15b, Yos17, Yos18, ZF10]. **Viscous** [Abe12, BFN<sup>+</sup>13, BOS11, CV15, CGS17, DWY12, DKN11, EW15b, Feh13, FPZ14, GT10, GJZ15, HL12, HLWW18, HLX11, JTW16, JZN11, Kwe12, KK17b, Le 13, Lee17, LZZ15, LT17, ILWW18, LW17, MS13a, MY12, Ngu10, QWE19, RTT19, Rou10, Smi17, TW18a, WW15, WZ13b, Wu14c, YZZ10, YZZ12, Yos18]. **Vlasov** [GHMZ10, LMW17, Tha19, ASC19, AFT15, BAH17, BACP18, Bes12, Bos19, CL18, CH11a, DGV16, Des14, DYZ19a, DY10, Dua11, DL15b, Faj16, GPI18, HKN16, Höf18, JZ18, KKT17, LMR13, LYZ16, ILWW18, Pal14, SR14, Wan11, Wan12, YY10, Zha19]. **Voigt** [DAP19, PZ13, RR17]. **Volterra** [AP18]. **Volume** [CP10, CP11, CL13b, DMZ19, GO18, WWW12]. **Volume-Filling** [DMZ19, WWW12]. **Volume-Fraction** [CP11]. **Vortex** [CP19, Dek19, DWZ10, KMM11, KMS17, NN19, WY13]. **Vortex-Wave** [NN19]. **Vortices** [YZ14a]. **Vorticity** [CNSS17, Hen10, Whe13]. **Vries** [CG10a, EW19, LP19]. **VSC** [HNP13].

**Waal** [CS18, JMZ18, Lai18, LM11]. **Waele** [Yos17]. **Waele-Type** [Yos17]. **Waiting** [FG15, Gia15]. **Walk** [MV19]. **Wall** [Car14, BW12]. **Walled** [DFP14a, DFP14b]. **Walls** [CKZ17, CPP18]. **Wang** [LL12]. **Wannier** [Sac18]. **War** [MPR10]. **Wasserstein** [AC11, BB10b, BCP19, KK17a, KP18a, MPS17, Tak13]. **Water** [AAGP18, Che12, CQX18, CGLS18, DS10b, DLZ12a, Duc10, EEW11, Hen10, HT18, KM13, Le19, MRT15, Ngu16, WBS13, Whe13]. **Water-waves** [MRT15]. **Wave** [BPS19, BYH15, CCCdL17, CDZ13, CQ19, CPT10, DO16, DAP19, DF11, DL15b, FRX19, FK19b, FPZ14, FMP18, GP19, HL11, HGW14, HZ19, HLW12, HT18, Ito18, JTW16, KM13, Kia16, KT11, LMTT15, aLW18, ILWW18, LPS13, LPS10, MO19, MQS12, MZZ12, NV12, NT18, NN19, Qin15, RTT19, Sug16, Wu14c, ZH10, dHGR14]. **Wave-Heat** [BPS19]. **Wave-Long** [DF11, FPZ14, FMP18]. **Wavefronts** [CKM14]. **Waveguide** [CKS15, MMP13]. **Wavelength** [LP16]. **Wavelet** [AHKM15, DS10a, DSX17, HR12]. **Wavenumber** [Spe14]. **Wavenumber-Explicit** [Spe14]. **Waves** [Ai10, AZ17, ALZ19, BF19, BCdSN18, BC17b, CFGL17, CJ19, CO12, CGLS18, CHS13b, DS10b, Duc10, DIT15, EEW11, ETZ13, EL17, FL12a, FZ14, FW18a, GSW16, GLS10, HSS17, Han14, Hen10, HR10, HMSZ13, HMWY11, HV13, HJ15, JWX13,

- JZ10, JZN11, Joh13, Jun14, KT17, KDT19, KK10, Lai18, LWZ18, LP19, Le19, Le 13, LWY18, LLWW18, LLLM14, LW14a, LW17, LP14, LNZ14, MMB11, MOZ10, MOZ12, MZZ12, MN12, NT13, Ngu16, NT18, NW17, Nol11, Ohn14, Ohn16, Per10, RZ17, RZ16, SWX17, SSH19, TV18, WBS13, WW15, Whe13, XYY19, YZ15, Yos18, dL14, MRT15].
- Wavetrains** [WW18]. **Weak** [BPS16, BR17, BFO17, BFLS18, Ben17, Bla18a, BN14, CMWZ18, CS14b, EL17, Evj11, FZ14, FG18a, GLL17, GZ18, GGRB14, HK15, Hyn13, JJJ13, Jia19, Jün10, KK17a, KMT13, KY15, KK15, KNR12, Len14, LS18, LS10, LS12a, LT17, LL18b, LLW15, LT19, Lu13, LZ18, MQS12, MP13, MPZ15, NPS13, NP16, NTW19, Nov19, NP11, Pan12a, Ped15, Sab13, Smi17, SSW14, TZ18, VY16, WZ13a, YZZ10].
- Weak\*** [MY17]. **Weak-Strong** [JJN13, LZ18]. **Weakly** [BCL11, Bor19, BP14a, CDS10, DZ14, GL15, MSTY16, Pes15]. **Weidl** [Kre19]. **Weight** [CNR17, Pes15]. **Weighted** [BDWZ12, CWE10, CL13a, FL17, GPT19].
- Weights** [AR19, CH19a, Kry10]. **Welds** [IO16]. **Well** [Abe12, ADL14, AET18, ALST14, AN15, BG17, BFTT18, BTZ15, BFS14, CM11, CWH18, CGP13, CY19, CHS13a, DFV18, DZ15, Evj13a, Faj16, GV19, GM10, Gna15, GW18, HNS17, HL12, HX10, HY14, HKK13, HTW18, IKS12, JTW16, JL19, KM17, KMW14, LS13b, LPR12, Li19, LS15, LPS13, Mar18, MSZ19, NN12, RV12, TW18a, Tsu12, WXY15a, WLT16, Wan18, Wu14c, XXK13, YZ18, ZZ14, ZT17].
- Well-Posed** [CM11, CWH18, HKK13]. **Well-Posedness** [ADL14, ALST14, AN15, BFTT18, BTZ15, BFS14, CGP13, CY19, CHS13a, Faj16, GV19, GM10, Gna15, HNS17, HL12, HX10, HY14, IKS12, JTW16, JL19, KM17, LS13b, LPR12, Li19, LPS13, Mar18, MSZ19, NN12, RV12, TW18a, Tsu12, WXY15a, WLT16, Wan18, Wan18, Wu14c, XXK13, YZ18, ZZ14, Abe12, DZ15, GW18, HTW18, KMW14].
- Well-Reservoir** [Evj13a]. **Wells** [Evj11]. **Wetting** [Lóp12]. **Weyl** [LV15]. **Where** [Ber12a, TZ15]. **Whitham** [DKS16]. **Whole** [GK10, LR15b, Mas11, Moa11]. **Whose** [Rod16]. **Wiener** [YFK11]. **Wigner** [BBCD<sup>+</sup>18, LS17]. **Willmore** [CL13b, KL18b, Olb19]. **Wilson** [BJLO17, DN12]. **Wind** [WBS13]. **Wing** [CY15]. **Wireless** [PT11]. **Without** [AGN19, Kry10, TAGP18, CLW17, Kry13, Nes14]. **WKB** [FK19a]. **Wolbachia** [APSV19]. **World** [DKR15]. **Wounds** [FHX10]. **Wright** [CS10a, EM10]. **Wulff** [Neu16].
- X** [Mon16, PUW18]. **X-Ray** [Mon16, PUW18]. **Xin** [Bia18].
- Young** [BKK18, BMC18, BK15a, Ito18, KRW15, NP16]. **Yudovich** [DT15].
- Zakharov** [Com17, NT18, RV12]. **Zaremba** [Naz12]. **Zealotry** [PLPSS18]. **Zeldovich** [Lai14]. **Zero** [BM12b, CHS13a, Daf19, DLZ15, FY13a, GS15c, HLW12, Lee17]. **Zeros** [Sim16].

## References

Alikakos:2013:PAC

- [AAD13] Nicholas D. Alikakos, Panagiotis Antonopoulos, and Apostolos Damialis. Plateau angle conditions for the vector-valued Allen–Cahn equation. *SIAM Journal on Mathematical Analysis*, 45(6):3823–3837, 2013. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

**Aguillon:2018:ARP**

- [AAGP18] Nina Aguillon, Emmanuel Audusse, Edwige Godlewski, and Martin Parisot. Analysis of the Riemann problem for a shallow water model with two velocities. *SIAM Journal on Mathematical Analysis*, 50(5): 4861–4888, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Al-Aifari:2014:SAT**

- [AAK14] Reema Al-Aifari and Alexander Katsevich. Spectral analysis of the truncated Hilbert transform with overlap. *SIAM Journal on Mathematical Analysis*, 46(1):192–213, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Antonelli:2019:RNS**

- [AAS19] Paolo Antonelli, Jack Arbunich, and Christof Sparber. Regularizing nonlinear Schrödinger equations through partial off-axis variations. *SIAM Journal on Mathematical Analysis*, 51(1): 110–130, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[AB10]

**Aksoylu:2010:RDE**

Burak Aksoylu and Horst R. Beyer. Results on the diffusion equation with rough coefficients. *SIAM Journal on Mathematical Analysis*, 42(1): 406–426, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Antonopoulou:2016:MDS**

[ABBK16]

D. C. Antonopoulou, P. W. Bates, D. Blömker, and G. D. Karali. Motion of a droplet for the stochastic mass-conserving Allen–Cahn equation. *SIAM Journal on Mathematical Analysis*, 48(1): 670–708, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Azaiez:2018:NAP**

[ABCD<sup>+</sup>18]

M. Azaiez, F. Ben Belgacem, J. Casado-Díaz, T. Chacón Rebollo, and F. Murat. A new algorithm of proper generalized decomposition for parametric symmetric elliptic problems. *SIAM Journal on Mathematical Analysis*, 50(5): 5426–5445, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Alonso:2018:ODD**

[ABCL18]

Ricardo Alonso, Véronique Bagland, Yingda Cheng, and Bertrand Lods. One-

- dimensional dissipative Boltzmann equation: Measure solutions, cooling rate, and self-similar profile. *SIAM Journal on Mathematical Analysis*, 50(1):1278–1321, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ABDD19] **Alberti:2019:UIF**  
Giovanni S. Alberti, Francesca Bartolucci, Filippo De Mari, and Ernesto De Vito. Unitarization and inversion formulae for the Radon transform between dual pairs. *SIAM Journal on Mathematical Analysis*, 51(6):4356–4381, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Abe12] **Abels:2012:SWP**  
Helmut Abels. Strong well-posedness of a diffuse interface model for a viscous, quasi-incompressible two-phase flow. *SIAM Journal on Mathematical Analysis*, 44(1):316–340, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p316\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p316_s1).
- [ABGS10] **Alama:2010:TFL**  
Stan Alama, Lia Bronsard, and Bernardo Galvão-Sousa. Thin film limits for Ginzburg–Landau with strong applied magnetic fields. *SIAM Journal on Mathematical Analysis*, 42(1):97–124, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ABGS19] **Almog:2019:ESS**  
Yaniv Almog, Leonid Berlyand, Dmitry Golovaty, and Itai Shafrir. Existence of superconducting solutions for a reduced Ginzburg–Landau model in the presence of strong electric currents. *SIAM Journal on Mathematical Analysis*, 51(2):873–912, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ABK12] **Antonopoulou:2012:FMO**  
D. C. Antonopoulou, D. Blömker, and G. D. Karali. Front motion in the one-dimensional stochastic Cahn–Hilliard equation. *SIAM Journal on Mathematical Analysis*, 44(5):3242–3280, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ABL13] **Acquistapace:2013:TIH**  
Paolo Acquistapace, Francesca Bucci, and Irena Lasiecka. A theory of the infinite horizon LQ-problem for composite systems of PDEs with boundary control. *SIAM Journal on Mathematical Analysis*, 45(3):1825–1870, 2013. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic).
- [ABØP19] Nacira Agram, Achref Bachouch, Bernt Øksendal, and Frank Proske. Singular control optimal stopping of memory mean-field processes. *SIAM Journal on Mathematical Analysis*, 51(1):450–468, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AC11] Martial Agueh and Guillaume Carlier. Barycenters in the Wasserstein space. *SIAM Journal on Mathematical Analysis*, 43(2):904–924, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p904\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p904_s1).
- [AC14] **Agram:2019:SCO**
- [ÁCDP14] **Alfaro:2017:ECS**
- [ACJ12] **Agueh:2011:BWS**
- Alberti:2014:ERT**
- Giovanni S. Alberti and Yves Capdeboscq. Elliptic regularity theory applied to time harmonic anisotropic Maxwell’s equations with less than Lipschitz complex coefficients. *SIAM Journal on Mathematical Analysis*, 46(1):998–1016, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Alvarez-Caudevilla:2014:QAC**
- Pablo Álvarez-Caudevilla, Yihong Du, and Rui Peng. Qualitative analysis of a cooperative reaction–diffusion system in a spatiotemporally degenerate environment. *SIAM Journal on Mathematical Analysis*, 46(1):499–531, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Alibaud:2012:CDE**
- Nathael Alibaud, Simone Cifani, and Espen R. Jakobsen. Continuous dependence estimates for nonlinear fractional convection-diffusion equations. *SIAM Journal on Mathematical Analysis*, 44(2):603–632, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p603\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p603_s1).

- [ACM<sup>+</sup>12] **Andreu:2012:RSS**  
 F. Andreu, V. Caselles, J. M. Mazón, J. Soler, and M. Verbeni. Radially symmetric solutions of a tempered diffusion equation. A porous media, flux-limited case. *SIAM Journal on Mathematical Analysis*, 44(2):1019–1049, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ACZ14] **Ammari:2014:CHS**  
 Habib Ammari, Yat Tin Chow, and Jun Zou. The concept of heterogeneous scattering coefficients and its application in inverse medium scattering. *SIAM Journal on Mathematical Analysis*, 46(4):2905–2935, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ADHZ15] **Armstrong:2015:LTB**  
 Seth Armstrong, Sarah Duffin, Jianlong Han, and Chunlei Zhang. Long-term behavior and numerical analysis of a nonlocal evolution equation with Kac potential. *SIAM Journal on Mathematical Analysis*, 47(2):1234–1252, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ADK15] **Alaifari:2015:AAS**  
 Rima Alaifari, Michel De-frise, and Alexander Katsevich. Asymptotic analysis of the SVD for the truncated Hilbert transform with overlap. *SIAM Journal on Mathematical Analysis*, 47(1):797–824, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ADL14] **Abels:2014:WPF**  
 Helmut Abels, Georg Dolzmann, and YuNing Liu. Well-posedness of a fully coupled Navier–Stokes/ $Q$ -tensor system with inhomogeneous boundary data. *SIAM Journal on Mathematical Analysis*, 46(4):3050–3077, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ADMR14] **Alessandrini:2014:SDI**  
 Giovanni Alessandrini, Michele Di Cristo, Antonino Morassi, and Edi Rosset. Stable determination of an inclusion in an elastic body by boundary measurements. *SIAM Journal on Mathematical Analysis*, 46(4):2692–2729, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AET18] **Alphonse:2018:CLR**  
 Amal Alphonse, Charles M. Elliott, and Joana Terra. A coupled ligand-receptor bulk-surface system on a moving domain: Well posedness, regularity, and convergence to

- equilibrium. *SIAM Journal on Mathematical Analysis*, 50(2): 1544–1592, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AFK<sup>+</sup>18]
- [AF15] **Alvarez:2015:EAV**  
Felipe Alvarez and Salvador Flores. Existence and approximation for variational problems under uniform constraints on the gradient by power penalty. *SIAM Journal on Mathematical Analysis*, 47(5):3466–3487, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AFT15]
- [AF16] **Abatangelo:2016:LTE**  
Laura Abatangelo and Veronica Felli. On the leading term of the eigenvalue variation for Aharonov–Bohm operators with a moving pole. *SIAM Journal on Mathematical Analysis*, 48(4):2843–2868, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AG16]
- [AF17] **Ammari:2017:BCP**  
Zied Ammari and Marco Falconi. Bohr’s correspondence principle for the renormalized Nelson model. *SIAM Journal on Mathematical Analysis*, 49(6):5031–5095, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AG17]
- Ambartsoumian:2018:SFS**  
G. Ambartsoumian, R. Felea, V. P. Krishnan, C. J. Nolan, and E. T. Quinto. Singular FIOs in SAR imaging, II: Transmitter and receiver at different speeds. *SIAM Journal on Mathematical Analysis*, 50(1):591–621, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Andreasson:2015:SSE**  
Håkan Andréasson, David Fajman, and Maximilian Thaller. Static solutions to the Einstein–Vlasov system with a nonvanishing cosmological constant. *SIAM Journal on Mathematical Analysis*, 47(4):2657–2688, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Alicandro:2016:LNC**  
Roberto Alicandro and Maria Stella Gelli. Local and nonlocal continuum limits of Ising-type energies for spin systems. *SIAM Journal on Mathematical Analysis*, 48(2): 895–931, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Alaifari:2017:PRG**  
Rima Alaifari and Philipp Grohs. Phase retrieval in the general setting of continuous frames for Banach

- spaces. *SIAM Journal on Mathematical Analysis*, 49(3): 1895–1911, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AGN19] Fabio Ancona, Olivier Glass, and Khai T. Nguyen. On Kolmogorov entropy compactness estimates for scalar conservation laws without uniform convexity. *SIAM Journal on Mathematical Analysis*, 51(4): 3020–3051, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AGS13] Habib Ammari, Josselin Garnier, and Knut Sølna. Partial data resolving power of conductivity imaging from boundary measurements. *SIAM Journal on Mathematical Analysis*, 45(3):1704–1722, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AH13] Grégoire Allaire and Zakaria Habibi. Homogenization of a conductive, convective, and radiative heat transfer problem in a heterogeneous domain. *SIAM Journal on Mathematical Analysis*, 45(3): 1136–1178, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AH16] **Ancona:2019:KEC** Yaniv Almog and Raphaël Henry. Spectral analysis of a complex Schrödinger operator in the semiclassical limit. *SIAM Journal on Mathematical Analysis*, 48(4): 2962–2993, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AH18] **Adly:2018:ISP** S. Adly and T. Haddad. An implicit sweeping process approach to quasistatic evolution variational inequalities. *SIAM Journal on Mathematical Analysis*, 50(1):761–778, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AHKM15] **Adcock:2015:LSS** Ben Adcock, Anders C. Hansen, Gitta Kutyniok, and Jackie Ma. Linear stable sampling rate: Optimality of 2D wavelet reconstructions from Fourier measurements. *SIAM Journal on Mathematical Analysis*, 47(2): 1196–1233, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).



- [AHØP13] **Agram:2013:MPI** [Ai10] N. Agram, S. Haadem, B. Øksendal, and F. Proske. A maximum principle for infinite horizon delay equations. *SIAM Journal on Mathematical Analysis*, 45(4):2499–2522, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AHP13a] **Adcock:2013:BCR** [AI12] Ben Adcock, Anders C. Hansen, and Clarice Poon. Beyond consistent reconstructions: Optimality and sharp bounds for generalized sampling, and application to the uniform resampling problem. *SIAM Journal on Mathematical Analysis*, 45(5):3132–3167, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AHP13b] **Almog:2013:SNN** [AIK10] Yaniv Almog, Bernard Helffer, and Xing-Bin Pan. Superconductivity near the normal state in a half-plane under the action of a perpendicular electric current and an induced magnetic field, Part II: The large conductivity limit. *SIAM Journal on Mathematical Analysis*, 44(6):3671–3733, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Ai:2010:TWM** Shangbing Ai. Traveling waves for a model of a fungal disease over a vineyard. *SIAM Journal on Mathematical Analysis*, 42(2):833–856, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Aiki:2012:SIB** Masashi Aiki and Tatsuo Iguchi. Solvability of an initial-boundary value problem for a second order parabolic system with a third order dispersion term. *SIAM Journal on Mathematical Analysis*, 44(5):3388–3411, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Alibaud:2010:APE** Nathael Alibaud, Cyril Imbert, and Grzegorz Karch. Asymptotic properties of entropy solutions to fractal Burgers equation. *SIAM Journal on Mathematical Analysis*, 42(1):354–376, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Ahn:2017:LBM** [AKKL17] Jaewook Ahn, Kyungkeun Kang, Junha Kim, and Jihoon Lee. Lower bound of mass in a chemotactic model

- with advection and absorbing reaction. *SIAM Journal on Mathematical Analysis*, 49(2):723–755, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [ALM10]
- Ando:2017:SNP**
- [AKKY17] Kazunori Ando, Hyeonbae Kang, Kyoungsun Kim, and Sanghyeon Yu. Spectrum of Neumann–Poincaré operator on annuli and cloaking by anomalous localized resonance for linear elasticity. *SIAM Journal on Mathematical Analysis*, 49(5):4232–4250, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Alonso:2010:FCH**
- [AL10] Ricardo J. Alonso and Bertrand Lods. Free cooling and high-energy tails of granular gases with variable restitution coefficient. *SIAM Journal on Mathematical Analysis*, 42(6):2499–2538, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Aleksanyan:2016:SCP**
- [Ale16] Hayk Aleksanyan. Slow convergence in periodic homogenization problems for divergence-type elliptic operators. *SIAM Journal on Mathematical Analysis*, 48(5):3345–3382, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Aujol:2010:EBI**
- Jean-François Aujol, Saïd Ladjal, and Simon Masnou. Exemplar-based inpainting from a variational point of view. *SIAM Journal on Mathematical Analysis*, 42(3):1246–1285, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Almog:2017:CMF**
- [Alm17] Y. Almog. The Clausius–Mossotti formula for dilute random media of perfectly conducting inclusions. *SIAM Journal on Mathematical Analysis*, 49(4):2885–2919, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Allen:2015:TPF**
- [ALP15] Mark Allen, Erik Lindgren, and Arshak Petrosyan. The two-phase fractional obstacle problem. *SIAM Journal on Mathematical Analysis*, 47(3):1879–1905, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Abels:2015:ADD**
- [ALS15] Helmut Abels, Kei Fong Lam, and Björn Stinner. Analysis of the diffuse domain approach

- for a bulk-surface coupled PDE system. *SIAM Journal on Mathematical Analysis*, 47(5):3687–3725, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AM15]
- Andreianov:2014:WPO**
- [ALST14] Boris Andreianov, Frédéric Lagoutière, Nicolas Seguin, and Takéo Takahashi. Well-posedness for a one-dimensional fluid-particle interaction model. *SIAM Journal on Mathematical Analysis*, 46(2):1030–1052, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Li:2018:SPR**
- [aLW18] Lin an Li and Yi Wang. Stability of planar rarefaction wave to two-dimensional compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 50(5):4937–4963, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Ammari:2019:BWB**
- [ALZ19] Habib Ammari, Hyundae Lee, and Hai Zhang. Bloch waves in bubbly crystal near the first band gap: a high-frequency homogenization approach. *SIAM Journal on Mathematical Analysis*, 51(1):45–59, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Andres:2015:TNE**
- Fuensanta Andrés and Julio Muñoz. A type of non-local elliptic problem: Existence and approximation through a Galerkin–Fourier method. *SIAM Journal on Mathematical Analysis*, 47(1):498–525, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Allaire:2010:HAD**
- Grégoire Allaire, Andro Mikelić, and Andrey Piatnitski. Homogenization approach to the dispersion theory for reactive transport through porous media. *SIAM Journal on Mathematical Analysis*, 42(1):125–144, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Arrizabalaga:2015:SID**
- Naiara Arrizabalaga, Albert Mas, and Luis Vega. Shell interactions for Dirac operators: On the point spectrum and the confinement. *SIAM Journal on Mathematical Analysis*, 47(2):1044–1069, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [AMW10] **Appleby:2010:ASR**  
 John A. D. Appleby, Xuerong Mao, and Huizhong Wu. On the almost sure running maxima of solutions of affine stochastic functional differential equations. *SIAM Journal on Mathematical Analysis*, 42(2):646–678, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AMW11] **Ao:2011:TJS**  
 Weiwei Ao, Monica Musso, and Juncheng Wei. Triple junction solutions for a singularly perturbed Neumann problem. *SIAM Journal on Mathematical Analysis*, 43(6):2519–2541, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2519\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2519_s1).
- [AN15] **Arkeryd:2015:WPC**  
 Leif Arkeryd and Anne Nouri. Well-posedness of the Cauchy problem for a space-dependent anyon Boltzmann equation. *SIAM Journal on Mathematical Analysis*, 47(6):4720–4742, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [And12] **Andrievskii:2012:AFR**  
 Vladimir Andrievskii. Approximation of functions by reciprocals of polynomials on a quasi-smooth arc. *SIAM Journal on Mathematical Analysis*, 44(4):2329–2343, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AP11] **Athanassoulis:2011:SPS**  
 Agissilaos Athanassoulis and Thierry Paul. Strong phase-space semiclassical asymptotics. *SIAM Journal on Mathematical Analysis*, 43(5):2116–2149, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2116\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2116_s1).
- [AP14] **Ansini:2014:PLA**  
 Nadia Ansini and Francesca Prinari. Power-law approximation under differential constraints. *SIAM Journal on Mathematical Analysis*, 46(2):1085–1115, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AP15] **Akopyan:2015:MRC**  
 Arseniy Akopyan and Alexander Plakhov. Minimal resistance of curves under the single impact assumption. *SIAM Journal on Mathematical Analysis*, 47(4):2754–2769, 2015. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic).
- [AP18] **Appleby:2018:GRS**  
John A. D. Appleby and Dennis D. Patterson. Growth rates of sublinear functional and Volterra differential equations. *SIAM Journal on Mathematical Analysis*, 50(2): 2086–2110, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AS13]
- [APSV19] **Almeida:2019:ORP**  
Luis Almeida, Yannick Privat, Martin Strugarek, and Nicolas Vauchelet. Optimal releases for population replacement strategies: Application to *Wolbachia*. *SIAM Journal on Mathematical Analysis*, 51(4):3170–3194, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AS14]
- [AR19] **Antil:2019:SSN**  
Harbir Antil and Carlos N. Rautenberg. Sobolev spaces with non-muckenhoupt weights, fractional elliptic operators, and applications. *SIAM Journal on Mathematical Analysis*, 51(3):2479–2503, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AS15]
- [Ara16] **Arada:2016:GNF**  
Nadir Arada. On generalized Newtonian fluids in curved pipes. *SIAM Journal on Mathematical Analysis*, 48(2): 1210–1249, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Anma:2013:TTM**  
Atsushi Anma and Kunimochi Sakamoto. Turing type mechanisms for linear diffusion systems under non-diagonal Robin boundary conditions. *SIAM Journal on Mathematical Analysis*, 45(6): 3611–3628, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Akagi:2014:DNE**  
Goro Akagi and Ulisse Stefanelli. Doubly nonlinear equations as convex minimization. *SIAM Journal on Mathematical Analysis*, 46(3): 1922–1945, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Ambrose:2015:LET**  
David M. Ambrose and Gideon Simpson. Local existence theory for derivative nonlinear Schrödinger equations with noninteger power nonlinearities. *SIAM Journal on Mathematical Analysis*, 47(3):2241–2264, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [ASC19] **Aceves-Sanchez:2019:FDL**  
 Pedro Aceves-Sanchez and Ludovic Cesbron. Fractional diffusion limit for a fractional Vlasov–Fokker–Planck equation. *SIAM Journal on Mathematical Analysis*, 51(1): 469–488, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AT14] **Andreucci:2014:CDP**  
 Daniele Andreucci and Anatoli F. Tedeev. The Cauchy–Dirichlet problem for the porous media equation in cone-like domains. *SIAM Journal on Mathematical Analysis*, 46(2):1427–1455, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ash13] **Ashton:2013:SDN**  
 A. C. L. Ashton. The spectral Dirichlet–Neumann map for Laplace’s equation in a convex polygon. *SIAM Journal on Mathematical Analysis*, 45(6): 3575–3591, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ATSR19] **Alves:2019:MUS**  
 Michele O. Alves, Eduardo H. Gomes Tavares, Marcio A. Jorge Silva, and José H. Rodrigues. On modeling and uniform stability of a partially dissipative viscoelastic Timoshenko system. *SIAM Journal on Mathematical Analysis*, 51(6):4520–4543, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ASS16] **Aceves-Sanchez:2016:FDA**  
 Pedro Aceves-Sánchez and Christian Schmeiser. Fractional Diffusion–Advection limit of a kinetic model. *SIAM Journal on Mathematical Analysis*, 48(4):2806–2818, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AT10] **Achdou:2010:TTC**  
 Yves Achdou and Nicoletta Tchou. Trace theorems for a class of ramified domains with self-similar fractal boundaries. *SIAM Journal on Mathematical Analysis*, 42(4):1449–1482, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Aud12] **Audiard:2012:DSE**  
 Corentin Audiard. Dispersive smoothing for the Euler–Korteweg model. *SIAM Journal on Mathematical Analysis*, 44(4):3018–3040, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [AV16] **Amstutz:2016:AIO**  
 Samuel Amstutz and Nicolas Van Goethem. Analysis of the incompatibility operator and application in intrinsic elasticity with dislocations. *SIAM Journal on Mathematical Analysis*, 48(1): 320–348, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AV19] **Agirre:2019:SLB**  
 Mikel Agirre and Luis Vega. Some lower bounds for solutions of Schrödinger evolutions. *SIAM Journal on Mathematical Analysis*, 51(4): 3324–3336, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AZ12] **Arrieta:2016:UOM**  
 José M. Arrieta and Manuel Villanueva-Pesqueira. Unfolding operator method for thin domains with a locally periodic highly oscillatory boundary. *SIAM Journal on Mathematical Analysis*, 48(3):1634–1671, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AZ17] **Ansini:2012:AAN**  
 Nadia Ansini and Caterina Ida Zeppieri. Asymptotic analysis of nonsymmetric linear operators via  $\Gamma$ -convergence. *SIAM Journal on Mathematical Analysis*, 44(3):1617–1635, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BA10] **Ammari:2017:EMT**  
 Habib Ammari and Hai Zhang. Effective medium theory for acoustic waves in bubbly fluids near Minnaert resonant frequency. *SIAM Journal on Mathematical Analysis*, 49(4):3252–3276, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BA12] **Banaji:2010:CSM**  
 Murad Banaji and David Angeli. Convergence in strongly monotone systems with an increasing first integral. *SIAM Journal on Mathematical Analysis*, 42(1):334–353, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See addendum [BA12].
- [BA12] **Banaji:2012:ACS**  
 Murad Banaji and David Angeli. Addendum to “Convergence in Strongly Monotone Systems with an Increasing First Integral”. *SIAM Journal on Mathematical Analysis*, 44(1):536–537, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL <http://epubs.siam.org/sima/resource/>

1/sjmaah/v44/i1/p536\_s1.  
See [BA10].

**Bao:2012:GPP**

- [BAC12] Weizhu Bao, Naoufel Ben Abdallah, and Yongyong Cai. Gross–Pitaevskii–Poisson equations for dipolar Bose–Einstein condensate with anisotropic confinement. *SIAM Journal on Mathematical Analysis*, 44(3):1713–1741, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Ben-Artzi:2018:ALS**

- [BACP18] Jonathan Ben-Artzi, Simone Calogero, and Stephen Pankavich. Arbitrarily large solutions of the Vlasov–Poisson system. *SIAM Journal on Mathematical Analysis*, 50(4):4311–4326, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Ben-Artzi:2017:IRV**

- [BAH17] Jonathan Ben-Artzi and Thomas Holding. Instabilities of the relativistic Vlasov–Maxwell system on unbounded domains. *SIAM Journal on Mathematical Analysis*, 49(5):4024–4063, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[BAP13]

**Bal:2013:CTD**

Guillaume Bal, Naoufel Ben Abdallah, and Marjolaine Puel. A corrector theory for diffusion-homogenization limits of linear transport equations. *SIAM Journal on Mathematical Analysis*, 44(6):3848–3873, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Barekat:2014:CCM**

[Bar14]

Farzin Barekat. On the consistency of compressed modes for variational problems associated with the Schrödinger operator. *SIAM Journal on Mathematical Analysis*, 46(5):3568–3577, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Benbourhim:2010:MPP**

[BB10a]

M. N. Benbourhim and A. Bouhamidi. Meshless pseudo-polyharmonic divergence-free and curl-free vector fields approximation. *SIAM Journal on Mathematical Analysis*, 42(3):1218–1245, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Bianchini:2010:EPF**

[BB10b]

S. Bianchini and A. Brancolini. Estimates on path functionals over Wasserstein spaces. *SIAM Journal on*



- Mathematical Analysis*, 42(3): 1179–1217, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BBG16]
- Baudel:2017:STR**
- [BB17] Manon Baudel and Nils Berglund. Spectral theory for random Poincaré maps. *SIAM Journal on Mathematical Analysis*, 49(6):4319–4375, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BBG17]
- Ben-Benjamin:2018:WWF**
- [BBCD<sup>+</sup>18] J. S. Ben-Benjamin, L. Cohen, N. C. Dias, P. Loughlin, and J. N. Prata. What is the Wigner function closest to a given square integrable function? *SIAM Journal on Mathematical Analysis*, 50(5): 5161–5197, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BBMN12]
- Bertini:2012:BEG**
- [BBG12] Lorenzo Bertini, Paolo Buttà, and Adriana Garroni. Boundary effects in the gradient theory of phase transitions. *SIAM Journal on Mathematical Analysis*, 44(2):926–945, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BBO19]
- Bianchini:2016:RAN**
- Stefano Bianchini, Paolo Bonicatto, and Nikolay A. Gu-sev. Renormalization for autonomous nearly incompressible BV vector fields in two dimensions. *SIAM Journal on Mathematical Analysis*, 48(1):1–33, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Bogosel:2017:OSM**
- B. Bogosel, D. Bucur, and A. Giacomini. Optimal shapes maximizing the Steklov eigenvalues. *SIAM Journal on Mathematical Analysis*, 49(2): 1645–1680, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Bellettini:2012:COD**
- Giovanni Bellettini, Lorenzo Bertini, Mauro Mariani, and Matteo Novaga. Convergence of the one-dimensional Cahn–Hilliard equation. *SIAM Journal on Mathematical Analysis*, 44(5):3458–3480, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Braun:2019:ECS**
- Julian Braun, Maciej Buze, and Christoph Ortner. The effect of crystal symmetries on the locality of screw dislocation cores. *SIAM Journal on*

- Mathematical Analysis*, 51(2): 1108–1136, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BBT14]
- [BBR19] **Barreiro:2019:ACH**  
 Andrea K. Barreiro, Jared C. Bronski, and Zoi Rapti. Applications of a class of Herglotz operator pencils. *SIAM Journal on Mathematical Analysis*, 51(1):256–275, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BBS11] **Brasco:2011:BBA**  
 L. Brasco, G. Buttazzo, and F. Santambrogio. A Benamou–Brenier approach to branched transport. *SIAM Journal on Mathematical Analysis*, 43(2):1023–1040, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p1023\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p1023_s1).
- [BBS16] **Bulíček:2016:UTS**  
 M. Bulíček, J. Burczak, and S. Schwarzacher. A unified theory for some non-Newtonian fluids under singular forcing. *SIAM Journal on Mathematical Analysis*, 48(6): 4241–4267, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Barbu:2014:SPE**  
 Viorel Barbu, Stefano Bonaccorsi, and Luciano Tubaro. A stochastic parabolic equation with nonlinear flux on the boundary driven by a Gaussian noise. *SIAM Journal on Mathematical Analysis*, 46(1): 780–802, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Bucur:2014:SOP**  
 Dorin Bucur, Giuseppe Buttazzo, and Bozhidar Velichkov. Spectral optimization problems for potentials and measures. *SIAM Journal on Mathematical Analysis*, 46(4): 2956–2986, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BBV14]
- Burchard:2011:CII**  
 Almut Burchard and Marina Chugunova. On computing the instability index of a non-self-adjoint differential operator associated with coating and rimming flows. *SIAM Journal on Mathematical Analysis*, 43(1):367–388, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p367\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p367_s1). [BC11]

- [BC14] **Bonacini:2014:LGM**  
M. Bonacini and R. Cristoferi. Local and global minimality results for a nonlocal isoperimetric problem on  $\mathbf{R}^N$ . *SIAM Journal on Mathematical Analysis*, 46(4):2310–2349, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BC17a] **Bellieud:2017:AAS**  
Michel Bellieud and Shane Cooper. Asymptotic analysis of stratified elastic media in the space of functions with bounded deformation. *SIAM Journal on Mathematical Analysis*, 49(5):4275–4317, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BC17b] **Boussaid:2017:NAS**  
Nabile Boussaïd and Andrew Comech. Nonrelativistic asymptotics of solitary waves in the Dirac equation with soler-type nonlinearity. *SIAM Journal on Mathematical Analysis*, 49(4):2527–2572, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BC17c] **Burtea:2017:LMG**  
Cosmin Burtea and Frédéric Charve. Lagrangian methods for a general inhomogeneous incompressible Navier–Stokes–Korteweg system with variable capillarity and viscosity coefficients. *SIAM Journal on Mathematical Analysis*, 49(5):3476–3495, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BC19] **Baspinar:2019:UVM**  
E. Baspinar and G. Citti. Uniqueness of viscosity mean curvature flow solution in two sub-Riemannian structures. *SIAM Journal on Mathematical Analysis*, 51(3):2633–2659, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BCD<sup>+</sup>11] **Binev:2011:CRG**  
Peter Binev, Albert Cohen, Wolfgang Dahmen, Ronald DeVore, Guergana Petrova, and Przemyslaw Wojtaszczyk. Convergence rates for greedy algorithms in reduced basis methods. *SIAM Journal on Mathematical Analysis*, 43(3):1457–1472, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1457\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1457_s1).
- [BCD<sup>+</sup>17a] **Bonito:2017:DCE**  
Andrea Bonito, Albert Cohen, Ronald DeVore, Guergana Petrova, and Gerrit Welper. Diffusion coeffi-

- icients estimation for elliptic partial differential equations. *SIAM Journal on Mathematical Analysis*, 49(2):1570–1592, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BCG10]
- [BCD17b] D. Breit, A. Cianchi, and L. Diening. Trace-free Korn inequalities in Orlicz spaces. *SIAM Journal on Mathematical Analysis*, 49(4):2496–2526, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Breit:2017:TFK**
- [BCDG16] Christine Bernardi, Martin Costabel, Monique Dauge, and Vivette Girault. Continuity properties of the inf-sup constant for the divergence. *SIAM Journal on Mathematical Analysis*, 48(2):1250–1271, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Bernardi:2016:CPI**
- [BCdSN18] Denis Bonheure, Jean-Baptiste Casteras, Ederson Moreira dos Santos, and Robson Nascimento. Orbitally stable standing waves of a mixed dispersion nonlinear Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 50(5):5027–5071, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Bonheure:2018:OSS**
- Etienne Bernard, Emanuele Caglioti, and François Golse. Homogenization of the linear Boltzmann equation in a domain with a periodic distribution of holes. *SIAM Journal on Mathematical Analysis*, 42(5):2082–2113, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Bernard:2010:HLB**
- [BCJ20] Marcel Braukhoff, Xiuqing Chen, and Ansgar Jüngel. Corrigendum: Cross Diffusion Preventing Blow-Up in the Two-Dimensional Keller–Segel Model. *SIAM Journal on Mathematical Analysis*, 52(2):2198–2200, 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Braukhoff:2020:CCD**
- [BCL11] Marzia Bisi, José A. Cañizo, and Bertrand Lods. Uniqueness in the weakly inelastic regime of the equilibrium state to the Boltzmann equation driven by a particle bath. *SIAM Journal on Mathematical Analysis*, 43(6):2640–2674, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL <http://epubs.> **Bisi:2011:UWI**

siam.org/sima/resource/  
1/sjmaah/v43/i6/p2640\_s1.

**Bez:2018:SEK**

- [BCL18] Neal Bez, Jayson Cunanan, and Sanghyuk Lee. Smoothing estimates for the kinetic transport equation at the critical regularity. *SIAM Journal on Mathematical Analysis*, 50(2):2280–2294, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Barles:2011:HFH**

- [BCN11] Guy Barles, Annalisa Cesaroni, and Matteo Novaga. Homogenization of fronts in highly heterogeneous media. *SIAM Journal on Mathematical Analysis*, 43(1):212–227, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p212\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p212_s1).

**Barekat:2017:SCM**

- [BCO17] Farzin Barekat, Russel Caffisch, and Stanley Osher. On the support of compressed modes. *SIAM Journal on Mathematical Analysis*, 49(4):2573–2590, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Bigot:2019:PBW**

- [BCP19] Jérémie Bigot, Elsa Cazelles, and Nicolas Papadakis. Pe-

nalization of barycenters in the Wasserstein space. *SIAM Journal on Mathematical Analysis*, 51(3):2261–2285, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Brandle:2012:PTM**

- [BCQ12] Cristina Brändle, Emmanuel Chasseigne, and Fernando Quirós. Phase transitions with midrange interactions: a nonlocal Stefan model. *SIAM Journal on Mathematical Analysis*, 44(4):3071–3100, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Braides:2015:TCE**

- [BCS15] Andrea Braides, Marco Cicalese, and Francesco Solombrino.  $Q$ -tensor continuum energies as limits of head-to-tail symmetric spin systems. *SIAM Journal on Mathematical Analysis*, 47(4):2832–2867, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Bal:2016:UMB**

- [BCS16] Guillaume Bal, Francis J. Chung, and John C. Schotland. Ultrasound modulated bioluminescence tomography and controllability of the radiative transport equation. *SIAM Journal on*

*Mathematical Analysis*, 48(2): 1332–1347, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Borrelli:2019:NDE**

- [BCT19] William Borrelli, Raffaele Carlone, and Lorenzo Tentarelli. [BDFS18] Nonlinear Dirac equation on graphs with localized nonlinearities: Bound states and nonrelativistic limit. *SIAM Journal on Mathematical Analysis*, 51(2):1046–1081, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Bevan:2018:CME**

- [BD18] Jonathan J. Bevan and Jonathan H. B. Deane. [BDG13] A calibration method for estimating critical cavitation loads from below in three dimensional nonlinear elasticity. *SIAM Journal on Mathematical Analysis*, 50(3):2566–2587, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Barucq:2018:MDF**

- [BDEM18] H el ene Barucq, Rabia Djellouli, Elodie Estecahandy, and Mohand Moussaoui. [BdHFS16] Mathematical determination of the Fr chet derivative with respect to the domain for a fluid-structure scattering problem: Case of polygonal-

shaped domains. *SIAM Journal on Mathematical Analysis*, 50(1):1010–1036, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Burger:2018:SPM**

Martin Burger, Marco Di Francesco, Simone Fagioli, and Angela Stevens. Sorting phenomena in a mathematical model for two mutually attracting/repelling species. *SIAM Journal on Mathematical Analysis*, 50(3):3210–3250, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Bogelein:2013:PMT**

Verena B ogelein, Frank Duzaar, and Ugo Gianazza. Porous medium type equations with measure data and potential estimates. *SIAM Journal on Mathematical Analysis*, 45(6):3283–3330, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Beretta:2016:IBV**

Elena Beretta, Maarten V. de Hoop, Florian Faucher, and Otmar Scherzer. Inverse boundary value problem for the Helmholtz equation: Quantitative conditional Lipschitz stability estimates. *SIAM Journal on Mathematical Analysis*, 48(6):

- 3962–3983, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BdHQ13] **Beretta:2013:LSI** [BDSS18] Elena Beretta, Maarten V. de Hoop, and Lingyun Qiu. Lipschitz stability of an inverse boundary value problem for a Schrödinger-Type equation. *SIAM Journal on Mathematical Analysis*, 45(2):679–699, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BDLM19] **Borthwick:2019:ESS** [BDT12] David Borthwick, Roland Donniger, Enno Lenzmann, and Jeremy L. Marzuola. Existence and stability of Schrödinger solitons on non-compact manifolds. *SIAM Journal on Mathematical Analysis*, 51(5):3854–3901, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BDPS10] **Burger:2010:NCD** [BDWZ12] Martin Burger, Marco Di Francesco, Jan-Frederik Pietschmann, and Bärbel Schlake. Nonlinear cross-diffusion with size exclusion. *SIAM Journal on Mathematical Analysis*, 42(6):2842–2871, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2842\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2842_s1).
- Bogelein:2018:EVS** Verena Bögelein, Frank Duzaar, Christoph Scheven, and Thomas Singer. Existence of variational solutions in noncylindrical domains. *SIAM Journal on Mathematical Analysis*, 50(3):3007–3057, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Bonaccorsi:2012:ABC** Stefano Bonaccorsi, Giuseppe Da Prato, and Luciano Tubaro. Asymptotic behavior of a class of nonlinear stochastic heat equations with memory effects. *SIAM Journal on Mathematical Analysis*, 44(3):1562–1587, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Burq:2012:WEE** Nicolas Burq, Semyon Dyatlov, Rachel Ward, and Maciej Zworski. Weighted eigenfunction estimates with applications to compressed sensing. *SIAM Journal on Mathematical Analysis*, 44(5):3481–3501, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [BDX14] **Bae:2014:SSS**  
 Myoungjean Bae, Ben Duan, and Chunjing Xie. Subsonic solutions for steady Euler–Poisson system in two-dimensional nozzles. *SIAM Journal on Mathematical Analysis*, 46(5):3455–3480, ??? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Beb16] **Bebendorf:2016:LRA**  
 Mario Bebendorf. Low-rank approximation of elliptic boundary value problems with high-contrast coefficients. *SIAM Journal on Mathematical Analysis*, 48(2):932–949, ??? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bec18] **Beck:2018:ULS**  
 Thomas Beck. Uniform level set estimates for ground state eigenfunctions. *SIAM Journal on Mathematical Analysis*, 50(4):4483–4502, ??? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BEH15] **Bahlali:2015:EUM**  
 K. Bahlali, E. Essaky, and M. Hassani. Existence and uniqueness of multidimensional BSDEs and of systems of degenerate PDEs with superlinear growth generator. *SIAM Journal on Mathematical Analysis*, 47(6):4251–4288, ??? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bel10] **Bellieud:2010:TEE**  
 Michel Bellieud. Torsion effects in elastic composites with high contrast. *SIAM Journal on Mathematical Analysis*, 41(6):2514–2553, ??? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bel17] **Bellieud:2017:HSE**  
 Michel Bellieud. Homogenization of stratified elastic composites with high contrast. *SIAM Journal on Mathematical Analysis*, 49(4):2615–2665, ??? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ben17] **Benoit:2017:GOE**  
 Antoine Benoit. Geometric optics expansions for hyperbolic corner problems II: From weak stability to violent instability. *SIAM Journal on Mathematical Analysis*, 49(5):3335–3395, ??? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ber12a] **Bernard:2012:STE**  
 J.-M. Bernard. Steady transport equation in the case



- where the normal component of the velocity does not vanish on the boundary. *SIAM Journal on Mathematical Analysis*, 44(2):993–1018, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Bes16]
- Bernard:2012:PSG**
- [Ber12b] Jean-Marie Bernard. Problem of second grade fluids in convex polyhedrons. *SIAM Journal on Mathematical Analysis*, 44(3):2018–2038, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Bét16]
- Berthelin:2017:TSM**
- [Ber17] F. Berthelin. Theoretical study of a multidimensional pressureless model with unilateral constraint. *SIAM Journal on Mathematical Analysis*, 49(3):2287–2320, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Bev11]
- Bessi:2012:CMV**
- [Bes12] Ugo Bessi. Chaotic motions for a version of the Vlasov equation. *SIAM Journal on Mathematical Analysis*, 44(4):2496–2525, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Bess:2016:ESM]
- Betermin:2016:TDT**
- Ugo Bessi. Existence of solutions of the master equation in the smooth case. *SIAM Journal on Mathematical Analysis*, 48(1):204–228, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Bevan:2011:ALM**
- J. J. Bevan. Austenite as a local minimizer in a model of material microstructure with a surface energy term. *SIAM Journal on Mathematical Analysis*, 43(2):1041–1073, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p1041\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p1041_s1).
- Bernier:2019:EST**
- [BF19] Joackim Bernier and Erwan Faou. Existence and stability of traveling waves for discrete nonlinear Schrödinger equations over long times. *SIAM Journal on Mathe-*

*mathematical Analysis*, 51(3):1607–1656, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Bidegaray-Fesquet:2013:NCD**

[BFDJ13] Brigitte Bidégaray-Fesquet, Eric Dumas, and Guillaume James. From Newton’s cradle to the discrete  $p$ -Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 45(6):3404–3430, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Bella:2017:SHL**

[BFO17] Peter Bella, Benjamin Fehrman, Julian Fischer, and Felix Otto. Stochastic homogenization of linear elliptic equations: Higher-order error estimates in weak norms via second-order correctors. *SIAM Journal on Mathematical Analysis*, 49(6):4658–4703, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Berninger:2013:DID**

[BFG<sup>+</sup>13] H. Berninger, E. Frénod, M. Gander, M. Liebendörfer, and J. Michaud. Derivation of the Isotropic Diffusion Source Approximation (IDSA) for supernova neutrino transport by asymptotic expansions. *SIAM Journal on Mathematical Analysis*, 45(6):

3229–3265, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Barcelo:2012:BAL**

[BFGPE<sup>+</sup>12] Juan Antonio Barceló, Magali Folch-Gabayet, Salvador Pérez-Esteve, Alberto Ruiz, and Mari Cruz Vilela. A Born approximation for live loads in Navier elasticity. *SIAM Journal on Mathematical Analysis*, 44(4):2824–2846, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Barcelo:2018:UIE**

[BFGPE<sup>+</sup>18] J. A. Barceló, M. Folch-Gabayet, S. Pérez-Esteve, A. Ruiz, and M. C. Vilela. Uniqueness for inverse elastic medium problems. *SIAM Journal on Mathematical Analysis*, 50(4):3939–3962, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Biskup:2016:EFL**

[BFK16] Marek Biskup, Ryoki Fukushima, and Wolfgang König. Eigenvalue fluctuations for lattice Anderson Hamiltonians. *SIAM Journal on Mathematical Analysis*, 48(4):2674–2700, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [BFLN16] **Bella:2016:RJE**  
 Peter Bella, Eduard Feireisl, Marta Lewicka, and Antonín Novotný. A rigorous justification of the Euler and Navier–Stokes equations with geometric effects. *SIAM Journal on Mathematical Analysis*, 48(6):3907–3930, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BFLS12] **Bouchitte:2012:OTT**  
 Guy Bouchitté, Ilaria Fragalà, Ilaria Lucardesi, and Pierre Seppecher. Optimal thin torsion rods and Cheeger sets. *SIAM Journal on Mathematical Analysis*, 44(1):483–512, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p483\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p483_s1).
- [BFLS18] **Benesova:2018:EWS**  
 Barbora Benesová, Johannes Forster, Chun Liu, and Anja Schlömerkemper. Existence of weak solutions to an evolutionary model for magnetoelectricity. *SIAM Journal on Mathematical Analysis*, 50(1):1200–1236, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BFM12] **Babadjian:2012:QSE**  
 J.-F. Babadjian, G. A. Francfort, and M. G. Mora. Quasi-static evolution in nonassociative plasticity: The cap model. *SIAM Journal on Mathematical Analysis*, 44(1):245–292, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p245\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p245_s1).
- [BFN<sup>+</sup>13] **Bardos:2013:STD**  
 C. Bardos, M. C. Lopes Filho, Dongjuan Niu, H. J. Nussenzweig Lopes, and E. S. Titi. Stability of two-dimensional viscous incompressible flows under three-dimensional perturbations and inviscid symmetry breaking. *SIAM Journal on Mathematical Analysis*, 45(3):1871–1885, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BFRV13] **Barcelo:2013:RDB**  
 J. A. Barceló, Daniel Faraco, Alberto Ruiz, and Ana Vargas. Reconstruction of discontinuities from backscattering data in two dimensions. *SIAM Journal on Mathematical Analysis*, 45(6):3494–3513, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BFS14] **Bothe:2014:GWP**  
 Dieter Bothe, André Fischer, and Jürgen Saal. Global well-posedness and stabil-

- ity of electrokinetic flows. *SIAM Journal on Mathematical Analysis*, 46(2):1263–1316, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BFTT18] Michiel Bertsch, Bruno Franchi, Maria Carla Tesi, and Andrea Tosin. Well-posedness of a mathematical model for Alzheimer’s disease. *SIAM Journal on Mathematical Analysis*, 50(3):2362–2388, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BFV17] Elena Beretta, Elisa Francini, and Sergio Vessella. Differentiability of the Dirichlet to Neumann map under movements of polygonal inclusions with an application to shape optimization. *SIAM Journal on Mathematical Analysis*, 49(2):756–776, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BFY15] Dmitry Batenkov, Omer Friedland, and Yosef Yomdin. Sampling, metric entropy, and dimensionality reduction. *SIAM Journal on Mathematical Analysis*, 47(1):786–796, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BG14] Nils Berglund and Barbara Gentz. On the noise-induced passage through an unstable periodic orbit II: General case. *SIAM Journal on Mathematical Analysis*, 46(1):310–352, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BG17] Luca Bertagna and Max Gunzburger. Well posedness of a coupled ICE-hydrology problem arising in glaciology. *SIAM Journal on Mathematical Analysis*, 49(2):699–722, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BGAHS17] Hakima Bessaih, María J. Garrido-Atienza, Xiaoying Han, and Björn Schmalfuss. Stochastic lattice dynamical systems with fractional noise. *SIAM Journal on Mathematical Analysis*, 49(2):1495–1518, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Bertsch:2018:WPM****Berglund:2014:NIP****Bertagna:2017:WPC****Beretta:2017:DDN****Bessaih:2017:SLD****Batenkov:2015:SME**

- [BGHP18] **Bouin:2018:TFL** Emeric Bouin, Jimmy Garnier, Christopher Henderson, and Florian Patout. Thin front limit of an integro-differential Fisher–KPP equation with fat-tailed kernels. *SIAM Journal on Mathematical Analysis*, 50(3):3365–3394, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BGL12] **Bertozzi:2012:CRS** Andrea L. Bertozzi, John B. Garnett, and Thomas Laurent. Characterization of radially symmetric finite time blowup in multidimensional aggregation equations. *SIAM Journal on Mathematical Analysis*, 44(2):651–681, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p651\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p651_s1).
- [BGL16] **Bulicek:2016:SDE** Miroslav Bulíček, Annegret Glitzky, and Matthias Liero. Systems describing electrothermal effects with  $p(x)$ -Laplacian-like structure for discontinuous variable exponents. *SIAM Journal on Mathematical Analysis*, 48(5):3496–3514, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BGLV16] **Bertozzi:2016:RBM** A. Bertozzi, J. Garnett, T. Laurent, and J. Verdera. The regularity of the boundary of a multidimensional aggregation patch. *SIAM Journal on Mathematical Analysis*, 48(6):3789–3819, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BGM19] **Bonheure:2019:PST** Denis Bonheure, Filippo Gazzola, and Ederson Moreira Dos Santos. Periodic solutions and torsional instability in a nonlinear nonlocal plate equation. *SIAM Journal on Mathematical Analysis*, 51(4):3052–3091, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BGMŚG12] **Bulicek:2012:UFI** Miroslav Bulíček, Piotr Gwiazda, Josef Málek, and Agnieszka Świerczewska-Gwiazda. On unsteady flows of implicitly constituted incompressible fluids. *SIAM Journal on Mathematical Analysis*, 44(4):2756–2801, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BGN14] **Brzezniak:2014:MSB** Zdzisław Brzeźniak, Ben Goldys, and Misha Neklyudov. Multidimensional

- stochastic Burgers equation. *SIAM Journal on Mathematical Analysis*, 46(1):871–889, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BH18]
- [BGT19] Michiel Bertsch, Lorenzo Giacomelli, and Alberto Tessei. Measure-valued solutions to a nonlinear fourth-order regularization of forward-backward parabolic equations. *SIAM Journal on Mathematical Analysis*, 51(1):374–402, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BH11] Alberto Bressan and Ke Han. Optima and equilibria for a model of traffic flow. *SIAM Journal on Mathematical Analysis*, 43(5):2384–2417, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2384\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2384_s1). [BHL18]
- [BH17] Jacob Bedrossian and Siming He. Suppression of blow-up in Patlak–Keller–Segel via shear flows. *SIAM Journal on Mathematical Analysis*, 49(6):4722–4766, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [BH18].
- Bedrossian:2018:ESB**
- Jacob Bedrossian and Siming He. Erratum: Suppression of Blow-Up in Patlak–Keller–Segel Via Shear Flows. *SIAM Journal on Mathematical Analysis*, 50(6):6365–6372, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [BH17].
- Bae:2019:FBC**
- [BHK<sup>+</sup>19] Hyeong-Ohk Bae, Seung-Yeal Ha, Jeongho Kim, Dongnam Ko, and Sung-Ik Sohn. Flocking behaviors of a Cucker–Smale ensemble in a cylindrical domain. *SIAM Journal on Mathematical Analysis*, 51(3):2390–2424, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Bogosel:2018:MED**
- [BHL18] B. Bogosel, A. Henrot, and I. Lucardesi. Minimization of the eigenvalues of the Dirichlet–Laplacian with a diameter constraint. *SIAM Journal on Mathematical Analysis*, 50(5):5337–5361, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Bertsch:2019:MVS**
- [BGT19] Michiel Bertsch, Lorenzo Giacomelli, and Alberto Tessei. Measure-valued solutions to a nonlinear fourth-order regularization of forward-backward parabolic equations. *SIAM Journal on Mathematical Analysis*, 51(1):374–402, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Bressan:2011:OEM**
- [BH11] Alberto Bressan and Ke Han. Optima and equilibria for a model of traffic flow. *SIAM Journal on Mathematical Analysis*, 43(5):2384–2417, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2384\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2384_s1).
- Bedrossian:2017:SBP**
- [BH17] Jacob Bedrossian and Siming He. Suppression of blow-up in Patlak–Keller–Segel via shear flows. *SIAM Journal on Mathematical Analysis*, 49(6):4722–4766, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [BH18].

- [BHM17] **Bouin:2017:EDE**  
 Emeric Bouin, Franca Hoffmann, and Clément Mouhot. Exponential decay to equilibrium for a fiber lay-down process on a moving conveyor belt. *SIAM Journal on Mathematical Analysis*, 49(4):3233–3251, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BHND18] **Bennett:2018:GEA**  
 T. Bennett, C. J. Howls, G. Nemes, and A. B. Olde Daalhuis. Globally exact asymptotics for integrals with arbitrary order saddles. *SIAM Journal on Mathematical Analysis*, 50(2):2144–2177, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BHR16] **Bessaih:2016:ESS**  
 Hakima Bessaih, Erika Hausenblas, and Paul A. Razafimandimby. Ergodicity of stochastic shell models driven by pure jump noise. *SIAM Journal on Mathematical Analysis*, 48(2):1423–1458, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BHRW16] **Burger:2016:LFS**  
 Martin Burger, Sabine Hittmeir, Helene Ranetbauer, and Marie-Therese Wolfram. Lane formation by side-stepping. *SIAM Journal on Mathematical Analysis*, 48(2):981–1005, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BHSZ10] **Beck:2010:NSS**  
 Margaret Beck, Hermen Jan Hupkes, Björn Sandstede, and Kevin Zumbrun. Nonlinear stability of semidiscrete shocks for two-sided schemes. *SIAM Journal on Mathematical Analysis*, 42(2):857–903, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BHWY12] **Bressan:2012:CRV**  
 Alberto Bressan, Feimin Huang, Yong Wang, and Tong Yang. On the convergence rate of vanishing viscosity approximations for nonlinear hyperbolic systems. *SIAM Journal on Mathematical Analysis*, 44(5):3537–3563, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bia18] **Bianchini:2018:UAC**  
 Roberta Bianchini. Uniform asymptotic and convergence estimates for the Jin–Xin model under the diffusion scaling. *SIAM Journal on Mathematical Analysis*, 50(2):1877–1899, 2018. CO-

DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Ballew:2016:BEC**

[BIP16]

Joshua Ballew, Gautam Iyer, and Robert L. Pego. Bose–Einstein condensation in a hyperbolic model for the Kompaneets equation. *SIAM Journal on Mathematical Analysis*, 48(6):3840–3859, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Bal:2010:STD**

[BJ10]

Guillaume Bal and Alexandre Jollivet. Stability for time-dependent inverse transport. *SIAM Journal on Mathematical Analysis*, 42(2):679–700, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Bellazzini:2016:DQG**

[BJ16]

Jacopo Bellazzini and Louis Jeanjean. On dipolar quantum gases in the unstable regime. *SIAM Journal on Mathematical Analysis*, 48(3):2028–2058, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Bownik:2017:WB**

[BJLO17]

Marcin Bownik, Mads S. Jakobsen, Jakob Lemvig, and Kasso A. Okoudjou. On Wilson bases in  $L^2(\mathbf{R}^d)$ .

*SIAM Journal on Mathematical Analysis*, 49(5):3999–4023, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Bedrossian:2013:GEF**

[BK13]

Jacob Bedrossian and Inwon C. Kim. Global existence and finite time blow-up for critical Patlak–Keller–Segel models with inhomogeneous diffusion. *SIAM Journal on Mathematical Analysis*, 45(3):934–964, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Benesova:2015:GYM**

[BK15a]

Barbora Benesová and Malte Kampschulte. Gradient Young measures generated by quasi-conformal maps in the plane. *SIAM Journal on Mathematical Analysis*, 47(6):4404–4435, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Biondini:2015:IST**

[BK15b]

Gino Biondini and Daniel Kraus. Inverse scattering transform for the defocusing Manakov system with nonzero boundary conditions. *SIAM Journal on Mathematical Analysis*, 47(1):706–757, 2015. CODEN SJMAAH. ISSN 0036-



- 1410 (print), 1095-7154 (electronic). [BKL18]
- [BK18a] Giovanni Bellettini and Shokhrukh Yu. Kholmatov. Minimizing movements for mean curvature flow of partitions. *SIAM Journal on Mathematical Analysis*, 50(4):4117–4148, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Bellettini:2018:MMM**
- [BK18b] Andrea Braides and Leonard Kreutz. An integral-representation result for continuum limits of discrete energies with multi-body interactions. *SIAM Journal on Mathematical Analysis*, 50(2):1485–1520, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Braides:2018:IRR**
- [BKK18] Margarida Baía, Stefan Krömer, and Martin Kruzík. Generalized  $W^{1,1}$ -Young measures and relaxation of problems with linear growth. *SIAM Journal on Mathematical Analysis*, 50(1):1076–1119, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Baia:2018:GYM**
- [Baroni:2018:EBR] Paolo Baroni, Tuomo Kuusi, Casimir Lindfors, and José Miguel Urbano. Existence and boundary regularity for degenerate phase transitions. *SIAM Journal on Mathematical Analysis*, 50(1):456–490, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bothe:2013:CEP] Dieter Bothe, Matthias Köhne, and Jan Prüss. On a class of energy preserving boundary conditions for incompressible Newtonian flows. *SIAM Journal on Mathematical Analysis*, 45(6):3768–3822, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bonacini:2016:ODO] Marco Bonacini, Hans Knüpfer, and Matthias Röger. Optimal distribution of oppositely charged phases: Perfect screening and other properties. *SIAM Journal on Mathematical Analysis*, 48(2):1128–1154, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Barros:2011:SDC] Jean F. Barros and Eduardo S. G. Leandro. The set of degenerate central config-
- [BKP13]
- [BKR16]
- [BL11]

- urations in the planar restricted four-body problem. *SIAM Journal on Mathematical Analysis*, 43(2):634–661, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p634\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p634_s1). [Bla18a]
- [BL14] Jean F. Barros and Eduardo S. G. Leandro. Bifurcations and enumeration of classes of relative equilibria in the planar restricted four-body problem. *SIAM Journal on Mathematical Analysis*, 46(2):1185–1203, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Blå18b]
- [BL15] Davide Buoso and Pier Domenico Lamberti. Shape sensitivity analysis of the eigenvalues of the Reissner–Mindlin system. *SIAM Journal on Mathematical Analysis*, 47(1):407–426, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BLS15]
- [BL19] Anup Biswas and József Lőrinczi. Maximum principles and Aleksandrov–Bakelman–Pucci type estimates for NonLocal Schrödinger equations with exterior conditions. *SIAM Journal on Mathematical Analysis*, 51(3):1543–1581, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Black:2018:GVW**
- Tobias Black. Global very weak solutions to a chemotaxis–fluid system with nonlinear diffusion. *SIAM Journal on Mathematical Analysis*, 50(4):4087–4116, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Blaasten:2018:NST**
- Eemeli Blåsten. Nonradiating sources and transmission eigenfunctions vanish at corners and edges. *SIAM Journal on Mathematical Analysis*, 50(6):6255–6270, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Bonnivard:2015:ALM**
- Matthieu Bonnivard, Antoine Lemenant, and Filippo Santambrogio. Approximation of length minimization problems among compact connected sets. *SIAM Journal on Mathematical Analysis*, 47(2):1489–1529, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Barros:2014:BEC**
- Buoso:2015:SSA**
- Biswas:2019:MPA**

- [BLW19] **Byeon:2019:FRP**  
 Jaeyoung Byeon, Youngae Lee, and Zhi-Qiang Wang. Formation of radial patterns via mixed attractive and repulsive interactions for Schrödinger systems. *SIAM Journal on Mathematical Analysis*, 51(2):1514–1542, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BLZ16] **Barchiesi:2016:BMH**  
 Marco Barchiesi, Giuliano Lazzaroni, and Caterina Ida Zeppieri. A bridging mechanism in the homogenization of brittle composites with soft inclusions. *SIAM Journal on Mathematical Analysis*, 48(2):1178–1209, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BM10] **Bellettini:2010:AHF**  
 Giovanni Bellettini and Luca Mugnai. Approximation of Helfrich’s functional via diffuse interfaces. *SIAM Journal on Mathematical Analysis*, 42(6):2402–2433, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BM12a] **Bal:2012:ITI**  
 Guillaume Bal and François Monard. Inverse transport with isotropic time-harmonic sources. *SIAM Journal on Mathematical Analysis*, 44(1):134–161, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p134\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p134_s1).
- [BM12b] **Bessaih:2012:LDZ**  
 Hakima Bessaih and Annie Millet. Large deviations and the zero viscosity limit for 2D stochastic Navier–Stokes equations with free boundary. *SIAM Journal on Mathematical Analysis*, 44(3):1861–1893, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BM15a] **Ba:2015:SII**  
 Moustapha Ba and Pierre Mathieu. A Sobolev inequality and the individual invariance principle for diffusions in a periodic potential. *SIAM Journal on Mathematical Analysis*, 47(3):2022–2043, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BM15b] **Bucur:2015:SRS**  
 Dorin Bucur and Dario Mazoleni. A surgery result for the spectrum of the Dirichlet Laplacian. *SIAM Journal on Mathematical Analysis*, 47(6):4451–4466, 2015. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic).
- [BM18] Paolo Buttà and Carlo Marchioro. Long time evolution of concentrated Euler flows with planar symmetry. *SIAM Journal on Mathematical Analysis*, 50(1):735–760, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Butta:2018:LTE**
- [BM19] Zdzisław Brzeźniak and Elzbieta Motyl. Fractionally dissipative stochastic quasi-geostrophic type equations on  $\mathbf{R}^d$ . *SIAM Journal on Mathematical Analysis*, 51(3):2306–2358, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Brzeźniak:2019:FDS**
- [BMC14] José C. Bellido and Carlos Mora-Corral. Existence for nonlocal variational problems in peridynamics. *SIAM Journal on Mathematical Analysis*, 46(1):890–916, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Bellido:2014:ENV**
- [BMC18] José C. Bellido and Carlos Mora-Corral. Lower semi-continuity and relaxation via Young measures for nonlocal variational problems and applications to peridynamics. *SIAM Journal on Mathematical Analysis*, 50(1):779–809, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Bellido:2018:LSR**
- [BMMP16] C. Bandle, P. Mastrolia, D. D. Monticelli, and F. Punzo. On the stability of solutions of semilinear elliptic equations with Robin boundary conditions on Riemannian manifolds. *SIAM Journal on Mathematical Analysis*, 48(1):122–151, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Bandle:2016:SSS**
- [BMP18] C. Bandle, D. D. Monticelli, and F. Punzo. Reaction-diffusion problems on time-dependent Riemannian manifolds: Stability of periodic solutions. *SIAM Journal on Mathematical Analysis*, 50(6):6082–6099, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Bandle:2018:RDP**
- [BMR14] Anne C. Bronzi, Cecilia F. Mondaini, and Ricardo M. S. Rosa. Trajectory statistical solutions for three-dimensional Navier–Stokes-like systems. *SIAM Journal on Mathematical Analysis*, 46(1):890–916, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Bronzi:2014:TSS**

- 46(3):1893–1921, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BMSR<sup>+</sup>13] **Bermudez:2013:TEC** Alfredo Bermúdez, Rafael Muñoz-Sola, Carlos Reales, Rodolfo Rodríguez, and Pilar Salgado. A transient eddy current problem on a moving domain. *mathematical analysis. SIAM Journal on Mathematical Analysis*, 45(6):3629–3650, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BNDHV10] **Bonnaillie-Noel:2010:GVT** V. Bonnaillie-Noël, M. Dambrine, F. Hérau, and G. Vial. On generalized Ventcel’s type boundary conditions for Laplace operator in a bounded domain. *SIAM Journal on Mathematical Analysis*, 42(2):931–945, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BO16] **Byun:2016:NPE** Sun-Sig Byun and Jihoon Ok. Nonlinear parabolic equations with variable exponent growth in nonsmooth domains. *SIAM Journal on Mathematical Analysis*, 48(5):3148–3190, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BMY16] **Bensoussan:2016:NBV** A. Bensoussan, L. Mertz, and S. C. P. Yam. NonLocal boundary value problems of a stochastic variational inequality modeling an elasto-plastic oscillator excited by a filtered noise. *SIAM Journal on Mathematical Analysis*, 48(4):2783–2805, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BÖ19] **Berman:2019:PCC** Robert J. Berman and Magnus Önnheim. Propagation of chaos for a class of first order models with singular mean field interactions. *SIAM Journal on Mathematical Analysis*, 51(1):159–196, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BN14] **Bressan:2014:GEW** Alberto Bressan and Khai T. Nguyen. Global existence of weak solutions for the Burgers–Hilbert equation. *SIAM Journal on Mathematical Analysis*, 46(4):2884–2904, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bon13] **Bonnotte:2013:KRB** Nicolas Bonnotte. From Knothe’s rearrangement to

- Brenier's optimal transport map. *SIAM Journal on Mathematical Analysis*, 45(1): 64–87, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Bos12]
- [BOO18] Mauro Bonafini, Giandomenico Orlandi, and Édouard Oudet. Variational approximation of functionals defined on 1-dimensional connected sets: The planar case. *SIAM Journal on Mathematical Analysis*, 50(6):6307–6332, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Bos16]
- [Bor19] Balázs Boros. Existence of positive steady states for weakly reversible mass-action systems. *SIAM Journal on Mathematical Analysis*, 51(1): 435–449, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BOS17]
- [BOS11] Yann Brenier, Felix Otto, and Christian Seis. Upper bounds on coarsening rates in demixing binary viscous liquids. *SIAM Journal on Mathematical Analysis*, 43(1): 114–134, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p114\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p114_s1). [Bos19]
- [Bos12] Mihai Bostan. Transport of charged particles under fast oscillating magnetic fields. *SIAM Journal on Mathematical Analysis*, 44(3):1415–1447, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Bostan:2012:TCP]
- [Bos16] Mihai Bostan. MultiScale analysis for linear first order PDEs. The finite Larmor radius regime. *SIAM Journal on Mathematical Analysis*, 48(3): 2133–2188, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Bostan:2016:MAL]
- [BOS17] Laurent Baratchart, Martine Olivi, and Fabien Seyfert. Boundary Nevanlinna–Pick interpolation with prescribed peak points. Application to impedance matching. *SIAM Journal on Mathematical Analysis*, 49(2):1131–1165, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Baratchart:2017:BNP]
- [Bos19] Mihai Bostan. Asymptotic behavior for the Vlasov–Poisson equations with strong external [Bostan:2019:ABV]

- magnetic field. straight magnetic field lines. *SIAM Journal on Mathematical Analysis*, 51(3):2713–2747, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BP12b]
- [Bou13] Ismaël Bouya. Instability of the forced magnetohydrodynamics system at small Reynolds number. *SIAM Journal on Mathematical Analysis*, 45(1):307–323, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BP14a]
- [BP10] Alain Bourgeat and Andrey L. Piatnitski. Averaging of a singular random source term in a diffusion convection equation. *SIAM Journal on Mathematical Analysis*, 42(6):2626–2651, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BP14b]
- [BP12a] Lorenzo Bertini and Marcello Ponsiglione. A variational approach to the stationary solutions of the Burgers equation. *SIAM Journal on Mathematical Analysis*, 44(2):682–698, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p682\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p682_s1). [BP19]
- Boukrouche:2012:AAM**
- Mahdi Boukrouche and Laetitia Paoli. Asymptotic analysis of a micropolar fluid flow in a thin domain with a free and rough boundary. *SIAM Journal on Mathematical Analysis*, 44(2):1211–1256, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Bresch:2014:NLW**
- Didier Bresch and Christophe Prange. Newtonian limit for weakly viscoelastic fluid flows. *SIAM Journal on Mathematical Analysis*, 46(2):1116–1159, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Bulicek:2014:EAM**
- Miroslav Bulíček and Petra Pustejovská. Existence analysis for a model describing flow of an incompressible chemically reacting non-Newtonian fluid. *SIAM Journal on Mathematical Analysis*, 46(5):3223–3240, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Bae:2019:CDD**
- Myoungjean Bae and Hyangdong Park. Contact discontinuities for 2-dimensional

- inviscid compressible flows in infinitely long nozzles. *SIAM Journal on Mathematical Analysis*, 51(3):1730–1760, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BPW15]
- [BPP15] Andrea Braides, Valeria Chiadò Piat, and Andrey Piatnitski. Homogenization of discrete high-contrast energies. *SIAM Journal on Mathematical Analysis*, 47(4):3064–3091, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Braides:2015:HDH**
- [BPS16] Sebastian Bauer, Dirk Pauly, and Michael Schomburg. The Maxwell compactness property in bounded weak Lipschitz domains with mixed boundary conditions. *SIAM Journal on Mathematical Analysis*, 48(4):2912–2943, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Bauer:2016:MCP**
- [BPS19] Charles Batty, Lassi Paunonen, and David Seifert. Optimal energy decay for the wave-heat system on a rectangular domain. *SIAM Journal on Mathematical Analysis*, 51(2):808–819, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Bredies:2015:CLS**
- [BPZ17] Kristian Bredies, Thomas Pock, and Benedikt Wirth. A convex, lower semicontinuous approximation of Euler’s elastica energy. *SIAM Journal on Mathematical Analysis*, 47(1):566–613, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Bulicek:2017:EAI**
- [BR11] Miroslav Bulíček, Milan Pokorný, and Nicola Zamponi. Existence analysis for incompressible fluid model of electrically charged chemically reacting and heat conducting mixtures. *SIAM Journal on Mathematical Analysis*, 49(5):3776–3830, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Bronski:2011:CDM**
- [BR11] Jared C. Bronski and Zoi Rapti. Counting defect modes in periodic eigenvalue problems. *SIAM Journal on Mathematical Analysis*, 43(2):803–827, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p803\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p803_s1).



- [BR17] **Baumle:2017:EWS**  
 E. Bäumlé and M. Ruzicka. Existence of weak solutions for unsteady motions of micropolar electrorheological fluids. *SIAM Journal on Mathematical Analysis*, 49(1): 115–141, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BR18] **Barbu:2018:PRS**  
 Viorel Barbu and Michael Röckner. Probabilistic representation for solutions to nonlinear Fokker–Planck equations. *SIAM Journal on Mathematical Analysis*, 50(4): 4246–4260, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bra16] **Brandolese:2016:CSD**  
 Lorenzo Brandolese. Characterization of solutions to dissipative systems with sharp algebraic decay. *SIAM Journal on Mathematical Analysis*, 48(3):1616–1633, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bre13] **Brezina:2013:ABS**  
 Jan Brezina. Asymptotic behavior of solutions to the compressible Navier–Stokes equation around a time-periodic parallel flow. *SIAM Journal on Mathematical Analysis*, 45(6):3514–3574, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BRS17] **Bonder:2017:CRN**  
 Julián Fernández Bonder, Antonella Ritorto, and Ariel Martín Salort.  $H$ -convergence result for nonlocal elliptic-type problems via Tartar’s method. *SIAM Journal on Mathematical Analysis*, 49(4): 2387–2408, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bru16] **Bruveris:2016:ORS**  
 Martins Bruveris. Optimal reparametrizations in the square root velocity framework. *SIAM Journal on Mathematical Analysis*, 48(6): 4335–4354, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BS16a] **Bao:2016:PER**  
 Jianhai Bao and Jinghai Shao. Permanence and extinction of regime-switching predator–prey models. *SIAM Journal on Mathematical Analysis*, 48(1):725–739, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BS16b] **Bartosz:2016:RMV**  
 Krzysztof Bartosz and Mircea Sofonea. The Rothe method

- for variational-hemivariational inequalities with applications to contact mechanics. *SIAM Journal on Mathematical Analysis*, 48(2):861–883, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BST17a] Loredana Balilescu, Jorge San Martín, and Takéo Takahashi. Fluid-rigid structure interaction system with Coulomb’s law. *SIAM Journal on Mathematical Analysis*, 49(6):4625–4657, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BST17b] Michiel Bertsch, Flavia Smarrazzo, and Alberto Tesi. On a class of forward-backward parabolic equations: Properties of solutions. *SIAM Journal on Mathematical Analysis*, 49(3):2037–2060, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BSW16] Dean Baskin, Euan A. Spence, and Jared Wunsch. Sharp high-frequency estimates for the Helmholtz equation and applications to boundary integral equations. *SIAM Journal on Mathematical Analysis*, 48(1):229–267, 2016. CO-
- DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BT12] Stefano Bianchini and Daniela Tonon. SBV regularity for Hamilton–Jacobi equations with Hamiltonian depending on  $(t, x)$ . *SIAM Journal on Mathematical Analysis*, 44(3):2179–2203, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BT16] Guy Barles and Erwin Topp. Existence, uniqueness, and asymptotic behavior for non-local parabolic problems with dominating gradient terms. *SIAM Journal on Mathematical Analysis*, 48(2):1512–1547, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BT19] Mehdi Badra and Takéo Takahashi. Gevrey regularity for a system coupling the Navier–Stokes system with a beam equation. *SIAM Journal on Mathematical Analysis*, 51(6):4776–4814, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [BTZ15] **Bociu:2015:WPA**  
 Lorena Bociu, Daniel Toundykov, and Jean-Paul Zolésio. Well-posedness analysis for a linearization of a fluid-elasticity interaction. *SIAM Journal on Mathematical Analysis*, 47(3):1958–2000, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BV10] **Belishev:2010:PTD**  
 M. I. Belishev and A. F. Vakulenko.  $s$ -points in three-dimensional acoustical scattering. *SIAM Journal on Mathematical Analysis*, 42(6):2703–2720, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BV13] **Baer:2013:BBT**  
 Eric Baer and Alexis Vasseur. A bound from below on the temperature for the Navier–Stokes–Fourier system. *SIAM Journal on Mathematical Analysis*, 45(4):2046–2063, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BV18] **Buttazzo:2018:SOC**  
 Giuseppe Buttazzo and Bozhidar Velichkov. A shape optimal control problem with changing sign data. *SIAM Journal on Mathematical Analysis*, 50(3):2608–2627, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BW12] **Boeckle:2012:DES**  
 Christoph Boeckle and Peter Wittwer. Decay estimates for steady solutions of the Navier–Stokes equations in two dimensions in the presence of a Wall. *SIAM Journal on Mathematical Analysis*, 44(5):3346–3368, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BW17] **Brancolini:2017:OES**  
 Alessio Brancolini and Benedikt Wirth. Optimal energy scaling for micropatterns in transport networks. *SIAM Journal on Mathematical Analysis*, 49(1):311–359, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BWW14] **Berestycki:2014:ESA**  
 Henri Berestycki, Juncheng Wei, and Matthias Winter. Existence of symmetric and asymmetric spikes for a crime hotspot model. *SIAM Journal on Mathematical Analysis*, 46(1):691–719, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [BYH15] **Bingbing:2015:SDS**  
 Ding Bingbing, Liu Yingbo, and Yin Huicheng. The small data solutions of general 3D quasilinear wave equations. I. *SIAM Journal on Mathematical Analysis*, 47(6): 4192–4228, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BYZ12] **Bao:2012:SSL**  
 Gang Bao, KiHyun Yun, and Zhengfang Zhou. Stability of the scattering from a large electromagnetic cavity in two dimensions. *SIAM Journal on Mathematical Analysis*, 44(1): 383–404, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p383\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p383_s1).
- [Cal15] **Calvo:2015:ACD**  
 Juan Calvo. Analysis of a class of degenerate parabolic equations with saturation mechanisms. *SIAM Journal on Mathematical Analysis*, 47(4):2917–2951, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Can10a] **Cances:2010:ABTa**  
 Clément Cancès. Asymptotic behavior of two-phase flows in heterogeneous porous media for capillarity depending only on space. I. Convergence to the optimal entropy solution. *SIAM Journal on Mathematical Analysis*, 42(2): 946–971, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Can10b] **Cances:2010:ABTb**  
 Clément Cancès. Asymptotic behavior of two-phase flows in heterogeneous porous media for capillarity depending only on space. II. Non-classical shocks to model oil-trapping. *SIAM Journal on Mathematical Analysis*, 42(2): 972–995, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Cao19] **Cao:2019:RBE**  
 Yunbai Cao. Regularity of Boltzmann equation with external fields in convex domains of diffuse reflection. *SIAM Journal on Mathematical Analysis*, 51(4):3195–3275, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Car14] **Carbou:2014:MWC**  
 Gilles Carbou. Metastability of wall configurations in ferromagnetic nanowires. *SIAM Journal on Mathematical Analysis*, 46(1):45–95, 2014. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic).
- [Cav12] Fabio Cavalletti. Optimal transport with branching distance costs and the obstacle problem. *SIAM Journal on Mathematical Analysis*, 44(1):454–482, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p454\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p454_s1).
- [CC10] Milena Chermisi and Sergio Conti. Multiwell rigidity in nonlinear elasticity. *SIAM Journal on Mathematical Analysis*, 42(5):1986–2012, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CC11] Lucas Chesnel and Patrick Ciarlet, Jr. Compact imbeddings in electromagnetism with interfaces between classical materials and metamaterials. *SIAM Journal on Mathematical Analysis*, 43(5):2150–2169, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2150\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2150_s1).
- [CCC+17] Bin Cheng, Jingrui Cheng, Michael Cullen, John Norbury, and Matthew Turner. A rigorous treatment of moist convection in a single column. *SIAM Journal on Mathematical Analysis*, 49(5):3854–3892, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CCC18a] Simone Cacace, Fabio Camilli, and Lucilla Corrias. A differential model for growing sandpiles on networks. *SIAM Journal on Mathematical Analysis*, 50(3):2509–2535, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CCC18b] Mikhail Cherdantsev, Kirill Cherednichenko, and Shane Cooper. Extreme localization of eigenfunctions to one-dimensional high-contrast periodic problems with a defect. *SIAM Journal on Mathematical Analysis*, 50(6):5825–5856, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CCCdIL17] Renato C. Calleja, Alessandra Celletti, Livia Corsi, and

**Cheng:2017:RTM****Cavalletti:2012:OTB****Cacace:2018:DMG****Chermisi:2010:MRN****Cherdantsev:2018:ELE****Chesnel:2011:CIE****Calleja:2017:RSQ**

- Rafael de la Llave. Response solutions for quasi-periodically forced, dissipative wave equations. *SIAM Journal on Mathematical Analysis*, 49(4):3161–3207, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CCFdIL14] Renato C. Calleja, Alessandra Celletti, Corrado Falcolini, and Rafael de la Llave. An extension of Greene’s criterion for conformally symplectic systems and a partial justification. *SIAM Journal on Mathematical Analysis*, 46(4):2350–2384, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CCH10] **Calleja:2014:EGC** Fioralba Cakoni, David Colton, and Houssem Haddar. The interior transmission problem for regions with cavities. *SIAM Journal on Mathematical Analysis*, 42(1):145–162, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CCHR18] **Cakoni:2010:ITE** Fioralba Cakoni, David Colton, and Drossos Gintides. The interior transmission eigenvalue problem. *SIAM Journal on Mathematical Analysis*, 42(6):2912–2921, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2912\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2912_s1).
- [CCG10] **Cakoni:2010:ITP** Fioralba Cakoni, David Colton, and Houssem Haddar. The interior transmission problem for regions with cavities. *SIAM Journal on Mathematical Analysis*, 42(1):145–162, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CCG18] **Chen:2018:MVS** Yongxin Chen, Giovanni Conforti, and Tryphon T. Georgiou. Measure-valued spline curves: an optimal transport viewpoint. *SIAM Journal on Mathematical Analysis*, 50(6):5947–5968, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CCK18] **Chen:2018:HDB** Chao-Nien Chen, Yung-Sze Choi, Yeyao Hu, and Xiaofeng Ren. Higher dimensional bubble profiles in a sharp interface limit of the FitzHugh–Nagumo system. *SIAM Journal on Mathematical Analysis*, 50(5):5072–5095, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CCK18] **Chang:2018:MME** TongKeun Chang, Hi Jun Choe, and Kyungkeun Kang. On maximum modulus estimates of the Navier–Stokes equations with nonzero boundary data. *SIAM Journal on Mathematical Analysis*, 50(3):3147–3171, 2018. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic).
- [CCLCP13] **Carvalho:2013:RID**  
A. N. Carvalho, J. W. Cholewa, G. Lozada-Cruz, and M. R. T. Primo. Reduction of infinite dimensional systems to finite dimensions: Compact convergence approach. *SIAM Journal on Mathematical Analysis*, 45(2):600–638, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CCLM15] **Corbera:2015:BRE**  
Montserrat Corbera, Josep Cors, Jaume Llibre, and Richard Moeckel. Bifurcation of relative equilibria of the  $(1 + 3)$ -body problem. *SIAM Journal on Mathematical Analysis*, 47(2):1377–1404, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CCM12] **Cantrell:2012:GBS**  
Robert Stephen Cantrell, Chris Cosner, and Raúl Manásevich. Global bifurcation of solutions for crime modeling equations. *SIAM Journal on Mathematical Analysis*, 44(3):1340–1358, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CCM14] **Caprino:2014:MCP**  
Silvia Caprino, Guido Cavallaro, and Carlo Marchioro. On a magnetically confined plasma with infinite charge. *SIAM Journal on Mathematical Analysis*, 46(1):133–164, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CCM16] **Coclite:2016:MEM**  
G. M. Coclite, M. M. Coclite, and S. Mishra. On a model for the evolution of morphogens in a growing tissue. *SIAM Journal on Mathematical Analysis*, 48(3):1575–1615, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CCMW19] **Cannarsa:2019:GGC**  
Piermarco Cannarsa, Wei Cheng, Marco Mazzola, and Kaizhi Wang. Global generalized characteristics for the Dirichlet problem for Hamilton–Jacobi equations at a supercritical energy level. *SIAM Journal on Mathematical Analysis*, 51(5):4213–4244, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CCNP17] **Cacciapuoti:2017:ODD**  
Claudio Cacciapuoti, Raffaele Carlone, Diego Noja, and An-

- drea Posilicano. The one-dimensional Dirac equation with concentrated nonlinearity. *SIAM Journal on Mathematical Analysis*, 49(3):2246–2268, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CdGDN18]
- [CCV15] José Antonio Carrillo, Daniele Castorina, and Bruno Volzone. Ground states for diffusion dominated free energies with logarithmic interaction. *SIAM Journal on Mathematical Analysis*, 47(1):1–25, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Carrillo:2015:GSD]
- [CD11] Graziano Crasta and Virginia De Cicco. A chain rule formula in the space BV and applications to conservation laws. *SIAM Journal on Mathematical Analysis*, 43(1):430–456, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p430\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p430_s1). [Casta:2011:CRF]
- [CDD<sup>+</sup>12] D. Cioranescu, A. Damlamian, P. Donato, G. Griso, and R. Zaki. The periodic unfolding method in domains with holes. *SIAM Journal on Mathematical Analysis*, 44(2):718–760, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Cioranescu:2012:PUM]
- Elena Cordero, Maurice de Gosson, Monika Dörfler, and Fabio Nicola. On the symplectic covariance and interferences of time-frequency distributions. *SIAM Journal on Mathematical Analysis*, 50(2):2178–2193, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Cordero:2018:SCI]
- [CDK11] Sergio Conti, Georg Dolzmann, and Carolin Kreisbeck. Asymptotic behavior of crystal plasticity with one slip system in the limit of rigid elasticity. *SIAM Journal on Mathematical Analysis*, 43(5):2337–2353, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2337\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2337_s1). [Conti:2011:ABC]
- [CDL16] Federico Cacciafesta, Piero D’Ancona, and Renato Lucà. Helmholtz and dispersive equations with variable coefficients on exterior domains. *SIAM Journal on Mathematical Analysis*, 48(3):1798–1832, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Cacciafesta:2016:HDE]



1410 (print), 1095-7154 (electronic).

**Casado-Diaz:2013:ABN**

- [CDLLSG13] J. Casado-Díaz, M. Luna-Laynez, and F. J. Suárez-Grau. Asymptotic behavior of the Navier–Stokes system in a thin domain with Navier condition on a slightly rough boundary. *SIAM Journal on Mathematical Analysis*, 45(3):1641–1674, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Chen:2013:ITL**

- [CDM13] Li Chen, Donatella Donatelli, and Pierangelo Marcati. Incompressible type limit analysis of a hydrodynamic model for charge-carrier transport. *SIAM Journal on Mathematical Analysis*, 45(3):915–933, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Cesaroni:2016:HMF**

- [CDM16] Annalisa Cesaroni, Nicolas Dirr, and Claudio Marchi. Homogenization of a mean field game system in the small noise limit. *SIAM Journal on Mathematical Analysis*, 48(4):2701–2729, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[CDN10]

**Cardone:2010:LEE**

G. Cardone, T. Durante, and S. A. Nazarov. The localization effect for eigenfunctions of the mixed boundary value problem in a thin cylinder with distorted ends. *SIAM Journal on Mathematical Analysis*, 42(6):2581–2609, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Cicalese:2016:GST**

[CDNP16]

M. Cicalese, L. De Luca, M. Novaga, and M. Ponsiglione. Ground states of a two phase model with cross and self attractive interactions. *SIAM Journal on Mathematical Analysis*, 48(5):3412–3443, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Carlier:2017:CES**

[CDPS17]

Guillaume Carlier, Vincent Duval, Gabriel Peyré, and Bernhard Schmitzer. Convergence of entropic schemes for optimal transport and gradient flows. *SIAM Journal on Mathematical Analysis*, 49(2):1385–1418, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Choquet:2017:MAS**

[CDR17]

C. Choquet, M. M. Diédhiou, and C. Rosier. Mathemati-

- cal analysis of a seawater intrusion model including storativity. *SIAM Journal on Mathematical Analysis*, 49(1): 29–63, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CDX12]
- [CDS10] Rémi Carles, Eric Dumas, and Christof Sparber. Multiphase weakly nonlinear geometric optics for Schrödinger equations. *SIAM Journal on Mathematical Analysis*, 42(1): 489–518, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CDS19] Maria Colombo, Simone Di Marino, and Federico Stra. Continuity of multimarginal optimal transport with repulsive cost. *SIAM Journal on Mathematical Analysis*, 51(4): 2903–2926, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CDW13] Thierry Cazenave, Flávio Dickstein, and Fred B. Weissler. Finite-time blowup for a complex Ginzburg–Landau equation. *SIAM Journal on Mathematical Analysis*, 45(1):244–266, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CDX17] Jianfeng Cheng, Lili Du, and Wei Xiang. Incompressible Réthy flows in two dimensions. *SIAM Journal on Mathematical Analysis*, 49(5): 3427–3475, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CDZ13] Guanggan Chen, Jinqiao Duan, and Jian Zhang. Approximating dynamics of a singularly perturbed stochastic wave equation with a random dynamical boundary condition. *SIAM Journal on Mathematical Analysis*, 45(5): 2790–2814, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Chen:2012:GSS] Gui-Qiang G. Chen, Xue-mei Deng, and Wei Xiang. Global steady subsonic flows through infinitely long nozzles for the full Euler equations. *SIAM Journal on Mathematical Analysis*, 44(4): 2888–2919, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Cheng:2017:IRF] Jianfeng Cheng, Lili Du, and Wei Xiang. Incompressible Réthy flows in two dimensions. *SIAM Journal on Mathematical Analysis*, 49(5): 3427–3475, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Chen:2013:ADS] Guanggan Chen, Jinqiao Duan, and Jian Zhang. Approximating dynamics of a singularly perturbed stochastic wave equation with a random dynamical boundary condition. *SIAM Journal on Mathematical Analysis*, 45(5): 2790–2814, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Carles:2010:MWN] Rémi Carles, Eric Dumas, and Christof Sparber. Multiphase weakly nonlinear geometric optics for Schrödinger equations. *SIAM Journal on Mathematical Analysis*, 42(1): 489–518, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Colombo:2019:CMO] Maria Colombo, Simone Di Marino, and Federico Stra. Continuity of multimarginal optimal transport with repulsive cost. *SIAM Journal on Mathematical Analysis*, 51(4): 2903–2926, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Cazenave:2013:FTB] Thierry Cazenave, Flávio Dickstein, and Fred B. Weissler. Finite-time blowup for a complex Ginzburg–Landau equation. *SIAM Journal on Mathematical Analysis*, 45(1):244–266, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [CEH14] **Calder:2014:HJE**  
 Jeff Calder, Selim Esedoğlu, and Alfred O. Hero. A Hamilton–Jacobi equation for the continuum limit of non-dominated sorting. *SIAM Journal on Mathematical Analysis*, 46(1):603–638, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CEIV17] **Constantin:2017:RIL**  
 Peter Constantin, Tarek Elgindi, Mihaela Ignatova, and Vlad Vicol. Remarks on the inviscid limit for the Navier–Stokes equations for uniformly bounded velocity fields. *SIAM Journal on Mathematical Analysis*, 49(3):1932–1946, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CEQW16] **Cortazar:2016:ABO**  
 Carmen Cortázar, Manuel Elgueta, Fernando Quirós, and Noemí Wolanski. Asymptotic behavior for a one-dimensional nonlocal diffusion equation in exterior domains. *SIAM Journal on Mathematical Analysis*, 48(3):1549–1574, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Cer11] **Cerrai:2011:APS**  
 Sandra Cerrai. Averaging principle for systems of reaction–diffusion equations with polynomial nonlinearities perturbed by multiplicative noise. *SIAM Journal on Mathematical Analysis*, 43(6):2482–2518, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2482\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2482_s1).
- [Ces11] **Cesana:2011:NEG**  
 Pierluigi Cesana. Nematic elastomers: Gamma-limits for large bodies and small particles. *SIAM Journal on Mathematical Analysis*, 43(5):2354–2383, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2354\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2354_s1).
- [CF11] **Chen:2011:AAN**  
 Xinfu Chen and Avner Friedman. Asymptotic analysis for the narrow escape problem. *SIAM Journal on Mathematical Analysis*, 43(6):2542–2563, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2542\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2542_s1).
- [CF14] **Calsina:2014:PSS**  
 Àngel Calsina and József Z. Farkas. Positive steady states of evolution equations with finite dimensional nonlinearities

- ties. *SIAM Journal on Mathematical Analysis*, 46(2):1406–1426, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CFF19] Joachim Crevat, Grégory Faye, and Francis Filbet. Rigorous derivation of the nonlocal reaction-diffusion Fitzhugh–Nagumo system. *SIAM Journal on Mathematical Analysis*, 51(1):346–373, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CFGL17] Robin Ming Chen, Lili Fan, Hongjun Gao, and Yue Liu. Breaking waves and solitary waves to the rotation-two-component Camassa–Holm system. *SIAM Journal on Mathematical Analysis*, 49(5):3573–3602, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CFO19] Marco Cicalese, Marwin Forster, and Gianluca Orlando. Variational analysis of a two-dimensional frustrated spin system: Emergence and rigidity of chirality transitions. *SIAM Journal on Mathematical Analysis*, 51(6):4848–4893, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CFRT10] J. A. Carrillo, M. Fornasier, J. Rosado, and G. Toscani. Asymptotic flocking dynamics for the kinetic Cucker–Smale model. *SIAM Journal on Mathematical Analysis*, 42(1):218–236, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CFSS18] J. A. Carrillo, S. Fagioli, F. Santambrogio, and M. Schmidtchen. Splitting schemes and segregation in reaction cross-diffusion systems. *SIAM Journal on Mathematical Analysis*, 50(5):5695–5718, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CG10a] Tom Claeys and Tamara Grava. Solitonic asymptotics for the Korteweg–de Vries equation in the small dispersion limit. *SIAM Journal on Mathematical Analysis*, 42(5):2132–2154, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Crevat:2019:RDN****Carrillo:2010:AFD****Carrillo:2018:SSS****Chen:2017:BWS****Claeys:2010:SAK****Cicalese:2019:VAT**

- [CG10b] **Coclite:2010:VVT**  
 G. M. Coclite and M. Garavello. Vanishing viscosity for traffic on networks. *SIAM Journal on Mathematical Analysis*, 42(4):1761–1783, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CG10c] **Cowan:2010:EPD**  
 Craig Cowan and Nassif Ghoussoub. Estimates on pull-in distances in microelectromechanical systems models and other nonlinear eigenvalue problems. *SIAM Journal on Mathematical Analysis*, 42(5):1949–1966, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CG11] **Colombo:2011:STB**  
 Maria Colombo and Massimo Gobbino. Slow time behavior of the semidiscrete Perona–Malik scheme in one dimension. *SIAM Journal on Mathematical Analysis*, 43(6):2564–2600, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2564\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2564_s1).
- [CG19] **Cirant:2019:EUS**  
 Marco Cirant and Alessandro Goffi. On the existence and uniqueness of solutions to time-dependent fractional MFG. *SIAM Journal on Mathematical Analysis*, 51(2):913–954, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CGH10] **Cakoni:2010:EID**  
 Fioralba Cakoni, Drossos Gintides, and Housseem Haddar. The existence of an infinite discrete set of transmission eigenvalues. *SIAM Journal on Mathematical Analysis*, 42(1):237–255, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CGLS18] **Craig:2018:BTS**  
 Walter Craig, Maxime Gazeau, Christophe Lacave, and Catherine Sulem. Bloch theory and spectral gaps for linearized water waves. *SIAM Journal on Mathematical Analysis*, 50(5):5477–5501, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CGM16] **Cakoni:2016:HSS**  
 Fioralba Cakoni, Bojan B. Guzina, and Shari Moskow. On the homogenization of a scalar scattering problem for highly oscillating anisotropic media. *SIAM Journal on Mathematical Analysis*, 48(4):2532–2560, 2016. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic).
- [CGP13] Qingshan Chen, Max Gunzburger, and Mauro Perego. Well-posedness results for a nonlinear Stokes problem arising in glaciology. *SIAM Journal on Mathematical Analysis*, 45(5):2710–2733, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CGS10] G. Carlier, A. Galichon, and F. Santambrogio. From Knothe’s transport to Brenier’s map and a continuation method for optimal transport. *SIAM Journal on Mathematical Analysis*, 41(6):2554–2576, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CGS17] Pierluigi Colli, Gianni Gilardi, and Jürgen Sprekels. Global existence for a nonstandard viscous Cahn–Hilliard system with dynamic boundary condition. *SIAM Journal on Mathematical Analysis*, 49(3):1732–1760, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CGT11] F. Cagnetti, D. Gomes, and H. V. Tran. Aubry–Mather measures in the nonconvex setting. *SIAM Journal on Mathematical Analysis*, 43(6):2601–2629, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2601\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2601_s1).
- [CH11a] Sun-Ho Choi and Seung-Yeal Ha. Asymptotic behavior of the nonlinear Vlasov equation with a self-consistent force. *SIAM Journal on Mathematical Analysis*, 43(5):2050–2077, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2050\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2050_s1).
- [CH11b] Anne Cossonnière and Houssein Haddar. The electromagnetic interior transmission problem for regions with cavities. *SIAM Journal on Mathematical Analysis*, 43(4):1698–1715, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1698\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1698_s1).

- [CH13] **Charve:2013:EGS**  
Frédéric Charve and Boris Haspot. Existence of a global strong solution and vanishing capillarity-viscosity limit in one dimension for the Korteweg system. *SIAM Journal on Mathematical Analysis*, 45(2):469–494, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CH15] **Chen:2015:SMV**  
I-Kun Chen and Chun-Hsiung Hsia. Singularity of macroscopic variables near boundary for gases with cutoff hard potential. *SIAM Journal on Mathematical Analysis*, 47(6):4332–4349, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CH19a] **Choi:2019:HCS**  
Young-Pil Choi and Jan Haskovec. Hydrodynamic Cucker–Smale model with normalized communication weights and time delay. *SIAM Journal on Mathematical Analysis*, 51(3):2660–2685, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CH19b] **Claeys:2019:FKB**  
Xavier Claeys and Ralf Hiptmair. First-kind boundary integral equations for the Hodge–Helmholtz operator. *SIAM Journal on Mathematical Analysis*, 51(1):197–227, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Cha14] **Chae:2014:TES**  
Dongho Chae. On the transport equations with singular/regular nonlocal velocities. *SIAM Journal on Mathematical Analysis*, 46(2):1017–1029, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Che12] **Cheng:2012:SLC**  
Bin Cheng. Singular limits and convergence rates of compressible Euler and rotating shallow water equations. *SIAM Journal on Mathematical Analysis*, 44(2):1050–1076, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Che14] **Cheng:2014:IAI**  
Bin Cheng. Improved accuracy of incompressible approximation of compressible Euler equations. *SIAM Journal on Mathematical Analysis*, 46(6):3838–3864, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- Chen:2015:BRO**
- [Che15] Shibing Chen. Boundary  $C^{1,\alpha}$  regularity of an optimal transport problem with cost close to  $-x \cdot y$ . *SIAM Journal on Mathematical Analysis*, 47(4): 2689–2698, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Chen:2018:RSS**
- [Che18] I-Kun Chen. Regularity of stationary solutions to the linearized Boltzmann equations. *SIAM Journal on Mathematical Analysis*, 50(1): 138–161, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Chen:2019:BQG**
- [Che19] Qingshan Chen. The barotropic quasi-geostrophic equation under a free surface. *SIAM Journal on Mathematical Analysis*, 51(3):1836–1867, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Caraballo:2015:NCV**
- [CHK15] Tomás Caraballo, Xiaoying Han, and Peter E. Kloeden. Nonautonomous chemostats with variable delays. *SIAM Journal on Mathematical Analysis*, 47(3):2178–2199, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Chaichenets:2019:KTO**
- [CHKP19] Leonid Chaichenets, Dirk Hundertmark, Peer Kunstmann, and Nikolaos Patlakos. Knocking out teeth in one-dimensional periodic nonlinear Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 51(5): 3714–3749, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Chen:2015:FTS**
- [CHL15] Geng Chen, Tao Huang, and Chun Liu. Finite time singularities for hyperbolic systems. *SIAM Journal on Mathematical Analysis*, 47(1): 758–785, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Choi:2017:TED**
- [CHL17] Mi-Ran Choi, Dirk Hundertmark, and Young-Ran Lee. Thresholds for existence of dispersion management solitons for general nonlinearities. *SIAM Journal on Mathematical Analysis*, 49(2):1519–1569, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).



- [CHL19] **Cakoni:2019:FMF**  
 Fioralba Cakoni, Houssein Haddar, and Armin Lechleiter. On the factorization method for a far field inverse scattering problem in the time domain. *SIAM Journal on Mathematical Analysis*, 51(2): 854–872, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CHN18] **Carstea:2018:UIB**  
 Catalin I. Cârstea, Naofumi Honda, and Gen Nakamura. Uniqueness in the inverse boundary value problem for piecewise homogeneous anisotropic elasticity. *SIAM Journal on Mathematical Analysis*, 50(3):3291–3302, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Cho16] **Choi:2016:GCS**  
 Young-Pil Choi. Global classical solutions and large-time behavior of the two-phase fluid model. *SIAM Journal on Mathematical Analysis*, 48(5): 3090–3122, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CHS13a] **Coutand:2013:WPF**  
 Daniel Coutand, Jason Hole, and Steve Shkoller. Well-posedness of the free-boundary compressible 3-D Euler equations with surface tension and the zero surface tension limit. *SIAM Journal on Mathematical Analysis*, 45(6): 3690–3767, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CHS13b] **Cuesta:2013:TWK**  
 Carlota M. Cuesta, Sabine Hittmeir, and Christian Schmeiser. Traveling waves of a kinetic transport model for the KPP-fisher equation. *SIAM Journal on Mathematical Analysis*, 44(6):4128–4146, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CHT18] **Choudhury:2018:NLC**  
 Anupam Pal Choudhury, Amru Hussein, and Patrick Tolksdorf. Nematic liquid crystals in Lipschitz domains. *SIAM Journal on Mathematical Analysis*, 50(4):4282–4310, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Chu14] **Chupin:2014:GER**  
 Laurent Chupin. Global existence results for some viscoelastic models with an integral constitutive law. *SIAM Journal on Mathematical Analysis*, 46(3):1859–1873, 2014. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

**Cao:2016:IIS**

[CHW16]

Wentao Cao, Feimin Huang, and Dehua Wang. Isometric immersion of surface with negative Gauss curvature and the Lax–Friedrichs scheme. *SIAM Journal on Mathematical Analysis*, 48(3): 2227–2249, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[CJN19]

**Cao:2019:GES**

[CHY19]

Wentao Cao, Feimin Huang, and Difan Yuan. Global entropy solutions to the gas flow in general nozzle. *SIAM Journal on Mathematical Analysis*, 51(4):3276–3297, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[CJP13]

**Constantin:2018:ILS**

[CIN18]

Peter Constantin, Mihaela Ignatova, and Huy Q. Nguyen. Inviscid limit for SQG in bounded domains. *SIAM Journal on Mathematical Analysis*, 50(6):6196–6207, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[CK11]

**Cingolani:2019:SWP**

[CJ19]

Silvia Cingolani and Louis Jeanjean. Stationary waves with prescribed  $L^2$ -norm

for the planar Schrödinger–Poisson system. *SIAM Journal on Mathematical Analysis*, 51(4):3533–3568, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Chang:2019:CNS**

T. Chang, B. J. Jin, and A. Novotný. Compressible Navier–Stokes system with general inflow–outflow boundary data. *SIAM Journal on Mathematical Analysis*, 51(2): 1238–1278, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Capriani:2013:QSO**

Giuseppe Maria Capriani, Vesa Julin, and Giovanni Pisante. A quantitative second order minimality criterion for cavities in elastic bodies. *SIAM Journal on Mathematical Analysis*, 45(3): 1952–1991, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Chung:2011:RNP**

Jaywan Chung and Yong Jung Kim. Relative Newtonian potentials of radial functions and asymptotics in nonlinear diffusion. *SIAM Journal on Mathematical Analysis*, 43(4): 1975–1994, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (elec-

- tronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1975\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1975_s1). [CKS15]  
See addendum [CK13].
- [CK12] **Chen:2012:SPM**  
Chiun-Chuan Chen and Theodore Kolokolnikov. Simple PDE model of spot replication in any dimension. *SIAM Journal on Mathematical Analysis*, 44(5):3564–3593, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CK13] **Chung:2013:ARN**  
Jaywan Chung and Yong Jung Kim. Addendum to “Relative Newtonian Potentials of Radial Functions and Asymptotics in Nonlinear Diffusion”. *SIAM Journal on Mathematical Analysis*, 45(2):728–731, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [CK11].
- [CKM14] **Chen:2014:PSW**  
Chao-Nien Chen, Shih-Yin Kung, and Yoshihisa Morita. Planar standing wavefronts in the FitzHugh–Nagumo equations. *SIAM Journal on Mathematical Analysis*, 46(1):657–690, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CKY15] **Choulli:2015:SDT**  
Mourad Choulli, Yavar Kian, and Eric Soccorsi. Stable determination of time-dependent scalar potential from boundary measurements in a periodic quantum waveguide. *SIAM Journal on Mathematical Analysis*, 47(6):4536–4558, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CKV18] **Cuesta:2018:SSL**  
Carlota M. Cuesta, Hans Knüpfner, and Juan J. L. Velázquez. Self-similar lift-ing and persistent touch-down points in the thin-film equation. *SIAM Journal on Mathematical Analysis*, 50(2):1900–1917, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CKY13] **Chayes:2013:AED**  
Lincoln Chayes, Inwon Kim, and Yao Yao. An aggregation equation with degenerate diffusion: Qualitative property of solutions. *SIAM Journal on Mathematical Analysis*, 45(5):2995–3018, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CKY18] **Chen:2018:FTN**  
Yuan Chen, Soojung Kim, and Yong Yu. Freeder-

- icksz transition in nematic liquid crystal flows in dimension two. *SIAM Journal on Mathematical Analysis*, 50(5): 4838–4860, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CL17]
- Chen:2017:TDS**
- [CKZ17] Gui-Qiang G. Chen, Jie Kuang, and Yongqian Zhang. Two-dimensional steady supersonic exothermically reacting Euler flow past Lipschitz bending walls. *SIAM Journal on Mathematical Analysis*, 49(2):818–873, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CL18]
- Chen:2013:APF**
- [CL13a] Xiuqing Chen and Jian-Guo Liu. Analysis of polymeric flow models and related compactness theorems in weighted spaces. *SIAM Journal on Mathematical Analysis*, 45(3): 1179–1215, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CLLS17]
- Colli:2013:PFA**
- [CL13b] Pierluigi Colli and Philippe Laurençot. A phase-field approximation of the Willmore flow with volume and area constraints. *SIAM Journal on Mathematical Analysis*, 44(6): 3734–3754, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Cerrai:2017:APN]
- Cerrai:2017:APN**
- Sandra Cerrai and Alessandra Lunardi. Averaging principle for nonautonomous slow-fast systems of stochastic reaction-diffusion equations: The almost periodic case. *SIAM Journal on Mathematical Analysis*, 49(4): 2843–2884, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Chen:2018:AGS**
- Chen:2018:AGS**
- Zili Chen and Xiuting Li. Asymptotic growth of support and uniform decay of moments for the Vlasov–Poisson system. *SIAM Journal on Mathematical Analysis*, 50(4): 4180–4202, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Chambolle:2017:ROC**
- Chambolle:2017:ROC**
- Antonin Chambolle, Jimmy Lamboley, Antoine Lemenant, and Eugene Stepanov. Regularity for the optimal compliance problem with length penalization. *SIAM Journal on Mathematical Analysis*, 49(2): 1166–1224, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- Camano:2017:ESE**
- [CLM17] Jessika Camaño, Christopher Lackner, and Peter Monk. Electromagnetic Stekloff eigenvalues in inverse scattering. *SIAM Journal on Mathematical Analysis*, 49(6):4376–4401, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Chen:2012:MDK**
- [CLW12] Li Chen, Jian-Guo Liu, and Jinhuan Wang. Multidimensional degenerate Keller–Segel system with critical diffusion exponent  $2n/(n+2)$ . *SIAM Journal on Mathematical Analysis*, 44(2):1077–1102, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Chen:2017:VCT**
- [CLW17] Shaowei Chen, Zhaoli Liu, and Zhi-Qiang Wang. A variant of Clark’s theorem and its applications for non-smooth functionals without the Palais–Smale condition. *SIAM Journal on Mathematical Analysis*, 49(1):446–470, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Calder:2011:AIS**
- [CM11] J. Calder and A. Mansouri. Anisotropic image sharpening via well-posed Sobolev gradient flows. *SIAM Journal on Mathematical Analysis*, 43(4):1536–1556, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1536\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1536_s1).
- Chupin:2012:RDT**
- [CM12] Laurent Chupin and Sébastien Martin. Rigorous derivation of the thin film approximation with roughness-induced correctors. *SIAM Journal on Mathematical Analysis*, 44(4):3041–3070, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Ciomaga:2013:PEB**
- [CM13] Adina Ciomaga and Jean-Michel Morel. A proof of equivalence between level lines shortening and curvature motion in image processing. *SIAM Journal on Mathematical Analysis*, 45(3):1047–1067, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Chen:2014:DTD**
- [CM14] Qiang Chen and Peter Monk. Discretization of the time domain CFIE for acoustic scattering problems using convolution quadrature. *SIAM Journal on Mathematical Analysis*, 46(5):3107–

3130, ????. 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[CMM13]

**Combet:2018:CMS**

[CM18]

Vianney Combet and Yvan Martel. Construction of multibubble solutions for the critical GKDV equation. *SIAM Journal on Mathematical Analysis*, 50(4):3715–3790, ????. 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Cuccagna:2019:SSS**

[CM19]

Scipio Cuccagna and Masaya Maeda. On stability of small solitons of the 1-D NLS with a trapping delta potential. *SIAM Journal on Mathematical Analysis*, 51(6):4311–4331, ????. 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[CMP13]

**Canizo:2010:RCS**

[CMM10]

José A. Cañizo, Stéphane Mischler, and Clément Mouhot. Rate of convergence to self-similarity for Smoluchowski’s coagulation equation with constant coefficients. *SIAM Journal on Mathematical Analysis*, 41(6):2283–2314, ????. 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[CMWY16]

**Cocquet:2013:EUS**

Pierre-Henri Cocquet, Pierre-Alain Mazet, and Vincent Mouysset. On the existence and uniqueness of a solution for some frequency-dependent partial differential equations coming from the modeling of metamaterials. *SIAM Journal on Mathematical Analysis*, 44(6):3806–3833, ????. 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Chambolle:2013:NMC**

Antonin Chambolle, Massimiliano Morini, and Marcello Ponsiglione. A nonlocal mean curvature flow and its semi-implicit time-discrete approximation. *SIAM Journal on Mathematical Analysis*, 44(6):4048–4077, ????. 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Cho:2016:PMF**

Yong-Kum Cho, Yoshinori Morimoto, Shuaikun Wang, and Tong Yang. Probability measures with finite moments and the homogeneous Boltzmann equation. *SIAM Journal on Mathematical Analysis*, 48(4):2399–2413, ????. 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- Chen:2018:GWS**
- [CMWZ18] Gui-Qiang G. Chen, Apala Majumdar, Dehua Wang, and Rongfang Zhang. Global weak solutions for the compressible active liquid crystal system. *SIAM Journal on Mathematical Analysis*, 50(4):3632–3675, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Coron:2015:DBC**
- [CN15] Jean-Michel Coron and Hoai-Minh Nguyen. Dissipative boundary conditions for nonlinear 1-D hyperbolic systems: Sharp conditions through an approach via time-delay systems. *SIAM Journal on Mathematical Analysis*, 47(3):2220–2240, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Ciaurri:2017:TWM**
- [CNR17] Óscar Ciaurri, Adam Nowak, and Luz Roncal. Two-weight mixed norm estimates for a generalized spherical mean Radon transform acting on radial functions. *SIAM Journal on Mathematical Analysis*, 49(6):4402–4439, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Campbell:2010:STD**
- [CNS10] A. Campbell, S. A. Nazarov, and G. H. Sweers. Spectra of two-dimensional models for thin plates with sharp edges. *SIAM Journal on Mathematical Analysis*, 42(6):3020–3044, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3020\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3020_s1).
- Crippa:2017:ELS**
- [CNSS17] Gianluca Crippa, Camilla Nobili, Christian Seis, and Stefano Spirito. Eulerian and Lagrangian solutions to the continuity and Euler equations with  $L^1$  vorticity. *SIAM Journal on Mathematical Analysis*, 49(5):3973–3998, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Colin:2012:BSS**
- [CO12] Mathieu Colin and Masahito Ohta. Bifurcation from semitrivial standing waves and ground states for a system of nonlinear Schrödinger equations. *SIAM Journal on Mathematical Analysis*, 44(1):206–223, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p206\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p206_s1).
- Compaan:2017:SZK**
- [Com17] E. Compaan. Smoothing for the Zakharov and Klein–

- Gordon–Schrödinger systems on Euclidean spaces. *SIAM Journal on Mathematical Analysis*, 49(5):4206–4231, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CP11]
- Consiglieri:2012:TES**
- [Con12] Luisa Consiglieri. Thermal expansion on Stokes–Fourier systems. *SIAM Journal on Mathematical Analysis*, 44(3):1831–1860, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CP12]
- Conti:2016:BMG**
- [COS16] Sergio Conti, Felix Otto, and Sylvia Serfaty. Branched microstructures in the Ginzburg–Landau model of type-I superconductors. *SIAM Journal on Mathematical Analysis*, 48(4):2994–3034, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CP13]
- Choksi:2010:SVF**
- [CP10] Rustum Choksi and Mark A. Peletier. Small volume fraction limit of the diblock copolymer problem: I. sharp-interface functional. *SIAM Journal on Mathematical Analysis*, 42(3):1334–1370, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CP19]
- Choksi:2011:SVF**
- Rustum Choksi and Mark A. Peletier. Small volume-fraction limit of the diblock copolymer problem: II. Diffuse-interface functional. *SIAM Journal on Mathematical Analysis*, 43(2):739–763, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p739\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p739_s1).
- Cances:2012:ERM**
- Clément Cancès and Michel Pierre. An existence result for multidimensional immiscible two-phase flows with discontinuous capillary pressure field. *SIAM Journal on Mathematical Analysis*, 44(2):966–992, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Chen:2013:FOC**
- Jun Chen and Xing-Bin Pan. Functionals with operator curl in an extended magnetostatic Born–Infeld model. *SIAM Journal on Mathematical Analysis*, 45(4):2253–2284, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Contreras:2019:FCF**
- Andres Contreras and Guanying Peng. First critical field



- of highly anisotropic three-dimensional superconductors via a vortex density model. *SIAM Journal on Mathematical Analysis*, 51(6):4490–4519, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CPZ17] **Contreras:2018:OSD**  
 Andres Contreras, Dmitry E. Pelinovsky, and Michael Plum. Orbital stability of domain walls in coupled Gross–Pitaevskii systems. *SIAM Journal on Mathematical Analysis*, 50(1):810–833, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CPSW16] **Carrillo:2016:CPM**  
 J. A. Carrillo, F. S. Patacchini, P. Sternberg, and G. Wolansky. Convergence of a particle method for diffusive gradient flows in one dimension. *SIAM Journal on Mathematical Analysis*, 48(6):3708–3741, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CPT10] **Chugunova:2010:NSL**  
 Marina Chugunova, M. C. Pugh, and R. M. Tarantets. Nonnegative solutions for a long-wave unstable thin film equation with convection. *SIAM Journal on Mathematical Analysis*, 42(4):1826–1853, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Chen:2017:SFC**  
 Geng Chen, Ronghua Pan, and Shengguo Zhu. Singularity formation for the compressible Euler equations. *SIAM Journal on Mathematical Analysis*, 49(4):2591–2614, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Chen:2012:TDR**  
 Shuxing Chen and Aifang Qu. Two-dimensional Riemann problems for Chaplygin gas. *SIAM Journal on Mathematical Analysis*, 44(3):2146–2178, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Chen:2019:TWN**  
 Xinfu Chen and Yuanwei Qi. Traveling wave to non-KPP isothermal diffusion systems: Existence of minimum speed and sharp bounds. *SIAM Journal on Mathematical Analysis*, 51(2):1436–1453, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [CQW18] **Cortazar:2018:NFA**  
Carmen Cortázar, Fernando Quirós, and Noemí Wolanski. Near-field asymptotics for the porous medium equation in exterior domains. the critical two-dimensional case. *SIAM Journal on Mathematical Analysis*, 50(3):2664–2680, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CQX18] **Cheng:2018:SFG**  
Bin Cheng, Peng Qu, and Chunjing Xie. Singularity formation and global existence of classical solutions for one-dimensional rotating shallow water system. *SIAM Journal on Mathematical Analysis*, 50(3):2486–2508, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CR10] **Chiron:2010:KKL**  
D. Chiron and F. Rousset. The KdV/KP-I limit of the nonlinear Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 42(1):64–96, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CR18] **Colombo:2018:NCL**  
Rinaldo M. Colombo and Elena Rossi. Nonlocal conservation laws in bounded domains. *SIAM Journal on Mathematical Analysis*, 50(4):4041–4065, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Cri19] **Crismale:2019:ASF**  
Vito Crismale. On the approximation of SBD functions and some applications. *SIAM Journal on Mathematical Analysis*, 51(6):5011–5048, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CRWX16] **Cavaterra:2016:GSS**  
Cecilia Cavaterra, Elisabetta Rocca, Hao Wu, and Xiang Xu. Global strong solutions of the full Navier–Stokes and  $Q$ -tensor system for nematic liquid crystal flows in two dimensions. *SIAM Journal on Mathematical Analysis*, 48(2):1368–1399, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CS10a] **Chen:2010:FSW**  
Linan Chen and Daniel W. Stroock. The fundamental solution to the Wright–Fisher equation. *SIAM Journal on Mathematical Analysis*, 42(2):539–567, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [CS10b] **Cheng:2010:INS**  
C. H. Arthur Cheng and Steve Shkoller. The interaction of the 3D Navier–Stokes equations with a moving nonlinear Koiter elastic shell. *SIAM Journal on Mathematical Analysis*, 42(3):1094–1155, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CS14a] **Cheskidov:2014:EET**  
A. Cheskidov and R. Shvydkoy. Euler equations and turbulence: Analytical approach to intermittency. *SIAM Journal on Mathematical Analysis*, 46(1):353–374, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CS14b] **Choffrut:2014:WSS**  
A. Choffrut and L. Székelyhidi, Jr. Weak solutions to the stationary incompressible Euler equations. *SIAM Journal on Mathematical Analysis*, 46(6):4060–4074, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CS14c] **Cullen:2014:MFA**  
Mike Cullen and Marc Sedjro. On a model of forced axisymmetric flows. *SIAM Journal on Mathematical Analysis*, 46(6):3983–4013, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CS15a] **Carter:2015:FPO**  
Paul Carter and Björn Sandstede. Fast pulses with oscillatory tails in the FitzHugh–Nagumo system. *SIAM Journal on Mathematical Analysis*, 47(5):3393–3441, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CS15b] **Chen:2015:CEB**  
Xuwen Chen and Walter A. Strauss. Convergence to equilibrium of a body moving in a kinetic sea. *SIAM Journal on Mathematical Analysis*, 47(6):4630–4651, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CS17] **Chung:2017:ITA**  
Francis J. Chung and John C. Schotland. Inverse transport and acousto-optic imaging. *SIAM Journal on Mathematical Analysis*, 49(6):4704–4721, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CS18] **Cances:2018:VWI**  
Eric Cancès and L. Ridgway Scott. Van der Waals interactions between two hydrogen atoms: The Slater–Kirkwood method revisited. *SIAM Journal on Mathematical Analysis*, 50(1):1–15, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- sis*, 50(1):381–410, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CSZ19]
- [CStW17] Ronald R. Coifman, Stefan Steinerberger, and Hui-tieng Wu. Carrier frequencies, holomorphy, and unwinding. *SIAM Journal on Mathematical Analysis*, 49(6):4838–4864, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CT11]
- [CSW15] Fabio Cavalletti, Marc Sedjro, and Michael Westdickenberg. A simple proof of global existence for the 1D pressureless gas dynamics equations. *SIAM Journal on Mathematical Analysis*, 47(1):66–79, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CT14]
- [CSZ18] Albert Cohen, Christoph Schwab, and Jakob Zech. Shape holomorphy of the stationary Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 50(2):1720–1752, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CT15]
- Cornalba:2019:RDK**  
Federico Cornalba, Tony Shardlow, and Johannes Zimmer. A regularized Dean–Kawasaki model: Derivation and analysis. *SIAM Journal on Mathematical Analysis*, 51(2):1137–1187, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Christoforou:2011:RCV**  
Cleopatra Christoforou and Konstantina Trivisa. Rate of convergence for vanishing viscosity approximations to hyperbolic balance laws. *SIAM Journal on Mathematical Analysis*, 43(5):2307–2336, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2307\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2307_s1).
- Costin:2014:AAB**  
O. Costin and S. Tanveer. Analytical approximation of the Blasius similarity solution with rigorous error bounds. *SIAM Journal on Mathematical Analysis*, 46(6):3782–3813, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Choulli:2015:NSE**  
Mourad Choulli and Faouzi Triki. New stability estimates for the inverse medium

- problem with internal data. *SIAM Journal on Mathematical Analysis*, 47(3):1778–1799, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Cui13]
- Cui:2013:ASS**
- Shangbin Cui. Asymptotic stability of the stationary solution for a parabolic-hyperbolic free boundary problem modeling tumor growth. *SIAM Journal on Mathematical Analysis*, 45(5):2870–2893, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CT16] Katy Craig and Ihsan Topaloglu. Convergence of regularized nonlocal interaction energies. *SIAM Journal on Mathematical Analysis*, 48(1):34–60, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CV12]
- Craig:2016:CRN**
- C. M. Cuesta and J. J. L. Velázquez. Analysis of oscillations in a drainage equation. *SIAM Journal on Mathematical Analysis*, 44(3):1588–1616, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CTW13] O. Costin, S. Tanveer, and M. I. Weinstein. The lifetime of shape oscillations of a bubble in an unbounded, inviscid, and compressible fluid with surface tension. *SIAM Journal on Mathematical Analysis*, 45(5):2924–2936, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CV15]
- Costin:2013:LSO**
- Kyudong Choi and Alexis F. Vasseur. Short-time stability of scalar viscous shocks in the inviscid limit by the relative entropy method. *SIAM Journal on Mathematical Analysis*, 47(2):1405–1418, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CTW17] Xinfu Chen, Je-Chiang Tsai, and Yaping Wu. Longtime behavior of solutions of a SIS epidemiological model. *SIAM Journal on Mathematical Analysis*, 49(5):3925–3950, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CV16]
- Chen:2017:LBS**
- Choi:2015:STS**
- Capitanelli:2016:DQF**
- Raffaella Capitanelli and Maria Agostina Vivaldi. Dynamical quasi-filling fractal layers. *SIAM Journal on Mathematical Analysis*, 48(6):

3931–3961, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CWH18]

**Coron:2013:OFS**

[CW13] Jean-Michel Coron and Zhiqiang Wang. Output feedback stabilization for a scalar conservation law with a nonlocal velocity. *SIAM Journal on Mathematical Analysis*, 45(5):2646–2665, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Chae:2016:PRN**

[CW16] Dongho Chae and Jörg Wolf. On partial regularity for the 3D nonstationary Hall magnetohydrodynamics equations on the plane. *SIAM Journal on Mathematical Analysis*, 48(1):443–469, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CWYZ16]

**Chandler-Wilde:2010:VAW**

[CWE10] Simon N. Chandler-Wilde and Johannes Elschner. Variational approach in weighted Sobolev spaces to scattering by unbounded rough surfaces. *SIAM Journal on Mathematical Analysis*, 42(6):2554–2580, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CY15]

**Chandler-Wilde:2018:WPP**

Simon N. Chandler-Wilde and David P. Hewett. Well-posed PDE and integral equation formulations for scattering by fractal screens. *SIAM Journal on Mathematical Analysis*, 50(1):677–717, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Cao:2014:IME**

Chongsheng Cao, Jiahong Wu, and Baoquan Yuan. The 2D incompressible magnetohydrodynamics equations with only magnetic diffusion. *SIAM Journal on Mathematical Analysis*, 46(1):588–602, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Cui:2016:DRN**

Haibo Cui, Wenjun Wang, Lei Yao, and Changjiang Zhu. Decay rates for a nonconservative compressible generic two-fluid model. *SIAM Journal on Mathematical Analysis*, 48(1):470–512, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Chen:2015:GSS**

Shuxing Chen and Chao Yi. Global solutions for supersonic flow past a delta wing. *SIAM Journal on Mathe-*

- mathematical Analysis*, 47(1):80–126, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Daf13]
- [CY18] **Cui:2018:GEI**  
Xiufang Cui and Silu Yin. Global existence of inhomogeneous incompressible isotropic elastodynamics in three dimensions. *SIAM Journal on Mathematical Analysis*, 50(5):4721–4751, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Daf14]
- [CY19] **Chen:2019:KCS**  
Zili Chen and Xiuxia Yin. The kinetic Cucker–Smale model: Well-posedness and asymptotic behavior. *SIAM Journal on Mathematical Analysis*, 51(5):3819–3853, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Daf19]
- [dAdM18] **deAraujo:2018:ESL**  
Anderson L. A. de Araujo and Paulo M. D. de Magalhães. Existence of solutions and local null controllability for a model of tissue invasion by solid tumors. *SIAM Journal on Mathematical Analysis*, 50(4):3598–3631, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Dai10]
- Dafermos:2013:LTB**  
Constantine M. Dafermos. Long time behavior of periodic solutions to scalar conservation laws in several space dimensions. *SIAM Journal on Mathematical Analysis*, 45(4):2064–2070, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Dafermos:2014:BSH**  
Constantine M. Dafermos. BV solutions of hyperbolic balance laws with relaxation in the absence of conserved quantities. *SIAM Journal on Mathematical Analysis*, 46(6):4014–4034, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Dafermos:2019:UZR**  
Constantine M. Dafermos. Uniqueness of zero relaxation limit. *SIAM Journal on Mathematical Analysis*, 51(3):1999–2018, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Dai:2010:SRC**  
Shibin Dai. On the shortening rate of collections of plane convex curves by the area-preserving mean curvature flow. *SIAM Journal on Mathematical Analysis*, 42(1):323–333, 2010. CO-

DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Dai:2017:RPN**

[Dai17]

Mimi Dai. Regularity problem for the nematic LCD system with  $Q$ -tensor in  $\mathbf{R}^3$ . *SIAM Journal on Mathematical Analysis*, 49(6):5007–5030, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Danilov:2017:NNE**

[Dan17]

V. G. Danilov. Nonsmooth nonoscillating exponential-type asymptotics for linear parabolic PDE. *SIAM Journal on Mathematical Analysis*, 49(5):3550–3572, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Demchenko:2019:KVV**

[DAP19]

Hanna Demchenko, Andrii Anikushyn, and Michael Pokojovy. On a Kelvin–Voigt viscoelastic wave equation with strong delay. *SIAM Journal on Mathematical Analysis*, 51(6):4382–4412, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**daCosta:2016:RCS**

[dCPS16]

Fernando P. da Costa, João T. Pinto, and Rafael Sasportes.

Rates of convergence to scaling profiles in a submonolayer deposition model and the preservation of memory of the initial condition. *SIAM Journal on Mathematical Analysis*, 48(2):1109–1127, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Danchin:2016:LMN**

[DD16]

Raphaël Danchin and Bernard Ducomet. The low Mach number limit for a barotropic model of radiative flow. *SIAM Journal on Mathematical Analysis*, 48(2):1025–1053, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**DallAcqua:2018:OPE**

[DD18]

Anna Dall’Acqua and Klaus Deckelnick. An obstacle problem for elastic graphs. *SIAM Journal on Mathematical Analysis*, 50(1):119–137, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**DeBouard:2018:LTB**

[DDF18]

Anne De Bouard, Arnaud Debussche, and Reika Fukuizumi. Long time behavior of Gross–Pitaevskii equation at positive temperature. *SIAM Journal on Mathematical Analysis*, 50(6):5887–5920, 2018. CODEN SJMAAH. ISSN



0036-1410 (print), 1095-7154 (electronic).

**Dalibard:2018:HFA**

- [DDGVM18] Anne-Laure Dalibard, Helge Dietert, David Gérard-Varet, and Frédéric Marbach. High frequency analysis of the unsteady interactive boundary layer model. *SIAM Journal on Mathematical Analysis*, 50(4):4203–4245, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DdMH15]

[siam.org/sima/resource/1/sjmaah/v43/i3/p1345\\_s1](http://siam.org/sima/resource/1/sjmaah/v43/i3/p1345_s1).

**Debussche:2015:RRQ**

Arnaud Debussche, Sylvain de Moor, and Martina Hofmanová. A regularity result for quasilinear stochastic partial differential equations of parabolic type. *SIAM Journal on Mathematical Analysis*, 47(2):1590–1614, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Debiec:2018:REM**

- [DDGW18] Tomasz Debiec, Marie Doumic, Piotr Gwiazda, and Emil Wiedemann. Relative entropy method for measure solutions of the growth-fragmentation equation. *SIAM Journal on Mathematical Analysis*, 50(6):5811–5824, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DDMM18]

**Dirr:2018:SHF**

Nicolas Dirr, Federica Dragoni, Paola Mannucci, and Claudio Marchi. Stochastic homogenization for functionals with anisotropic rescaling and noncoercive Hamilton–Jacobi equations. *SIAM Journal on Mathematical Analysis*, 50(5):5198–5242, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**DalMaso:2011:EUR**

- [DDM11] Gianni Dal Maso, Antonio DeSimone, and Marco Morandotti. An existence and uniqueness result for the motion of self-propelled microswimmers. *SIAM Journal on Mathematical Analysis*, 43(3):1345–1368, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL <http://epubs>.
- [De 18]

**DeRosa:2018:MAE**

Antonio De Rosa. Minimization of anisotropic energies in classes of rectifiable varifolds. *SIAM Journal on Mathematical Analysis*, 50(1):162–181, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [Dek19] **Dekeyser:2019:ASV** Justin Dekeyser. Asymptotic of steady vortex pair in the lake equation. *SIAM Journal on Mathematical Analysis*, 51(2):1209–1237, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DF10] **Desvillettes:2010:LTA** Laurent Desvillettes and Klemens Fellner. Large time asymptotics for a continuous coagulation-fragmentation model with degenerate size-dependent diffusion. *SIAM Journal on Mathematical Analysis*, 41(6):2315–2334, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Del18] **Delgadino:2018:COD** Matias G. Delgadino. Convergence of a one-dimensional Cahn–Hilliard equation with degenerate mobility. *SIAM Journal on Mathematical Analysis*, 50(4):4457–4482, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DF11] **Dias:2011:SWL** João Paulo Dias and Hermano Frid. Short wave-long wave interactions for compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 43(2):764–787, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p764\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p764_s1).
- [Des14] **Despres:2014:SVP** Bruno Després. Symmetrization of Vlasov–Poisson equations. *SIAM Journal on Mathematical Analysis*, 46(4):2554–2580, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DF13] **DePhilippis:2013:SRM** Guido De Philippis and Alessio Figalli. Sobolev regularity for Monge–Ampère type equations. *SIAM Journal on Mathematical Analysis*, 45(3):1812–1824, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Deu13] **Deuring:2013:SDT** Paul Deuring. Spatial decay of time-dependent incompressible Navier–Stokes flows with nonzero velocity at infinity. *SIAM Journal on Mathematical Analysis*, 45(3):1388–1421, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DF15] **Davoli:2015:CRF** Elisa Davoli and Gilles A. Francfort. A critical revisiting of finite elasto-plasticity.

*SIAM Journal on Mathematical Analysis*, 47(1):526–565, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Francesco:2014:ABG**

[DFHM14]

Marco Di Francesco, Massimo Fornasier, Jan-Christian Hütter, and Daniel Matthes. Asymptotic behavior of gradient flows driven by nonlocal power repulsion and attraction potentials in one dimension. *SIAM Journal on Mathematical Analysis*, 46(6):3814–3837, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Davini:2014:LMCa**

[DFP14a]

C. Davini, L. Freddi, and R. Paroni. Linear models for composite thin-walled beams by  $\Gamma$ -convergence. Part I: Open cross sections. *SIAM Journal on Mathematical Analysis*, 46(5):3296–3331, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Davini:2014:LMCb**

[DFP14b]

C. Davini, L. Freddi, and R. Paroni. Linear models for composite thin-walled beams by  $\Gamma$ -convergence. Part II: Closed cross-sections. *SIAM Journal on Mathematical Analysis*, 46(5):3332–

3360, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Desvillettes:2017:TER**

[DFT17]

Laurent Desvillettes, Klemens Fellner, and Bao Quoc Tang. Trend to equilibrium for reaction-diffusion systems arising from complex balanced chemical reaction networks. *SIAM Journal on Mathematical Analysis*, 49(4):2666–2709, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Dipierro:2018:DED**

[DFV18]

Serena Dipierro, Alberto Farina, and Enrico Valdinoci. Density estimates for degenerate double-well potentials. *SIAM Journal on Mathematical Analysis*, 50(6):6333–6347, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Debussche:2011:SCH**

[DG11]

Arnaud Debussche and Ludovic Goudenège. Stochastic Cahn–Hilliard equation with double singular nonlinearities and two reflections. *SIAM Journal on Mathematical Analysis*, 43(3):1473–1494, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL <http://epubs>.

- siam.org/sima/resource/1/sjmaah/v43/i3/p1473\_s1. [DH10]
- [DG16] **Donato:2016:EHS**  
 Patrizia Donato and Daniela Giachetti. Existence and homogenization for a singular problem through rough surfaces. *SIAM Journal on Mathematical Analysis*, 48(6):4047–4086, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DGV16] **DeBievre:2016:PIV**  
 Stephan De Bièvre, Thierry Goudon, and Arthur Vasseur. Particles interacting with a vibrating medium: Existence of solutions and convergence to the Vlasov–Poisson system. *SIAM Journal on Mathematical Analysis*, 48(6):3984–4020, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DGVBW10] **Dyson:2010:EAP**  
 Janet Dyson, Stephen A. Gourley, Rosanna Vilella-Bressan, and Glenn F. Webb. Existence and asymptotic properties of solutions of a nonlocal evolution equation modeling cell–cell adhesion. *SIAM Journal on Mathematical Analysis*, 42(4):1784–1804, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Du:2010:NRD**  
 Yihong Du and Sze-Bi Hsu. On a nonlocal reaction–diffusion problem arising from the modeling of phytoplankton growth. *SIAM Journal on Mathematical Analysis*, 42(3):1305–1333, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [dHGR14] **deHoop:2014:EAE**  
 Maarten V. de Hoop, Karlheinz Gröchenig, and José Luis Romero. Exact and approximate expansions with pure Gaussian wave packets. *SIAM Journal on Mathematical Analysis*, 46(3):2229–2253, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [dHHI<sup>+</sup>14] **deHoop:2014:RCE**  
 Maarten V. de Hoop, Sean F. Holman, Einar Iversen, Matti Lassas, and Bjørn Ursin. Reconstruction of a conformally Euclidean metric from local boundary diffraction travel times. *SIAM Journal on Mathematical Analysis*, 46(6):3705–3726, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DHPW14] **Doelman:2014:MPS**  
 Arjen Doelman, Gurgen Hayrapetyan, Keith Promis-

- low, and Brian Wetton. Meander and pearling of single-curvature bilayer interfaces in the functionalized Cahn–Hilliard equation. *SIAM Journal on Mathematical Analysis*, 46(6):3640–3677, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DIT15] Vincent Duchêne, Samer Israwi, and Raafat Talhouk. A new fully justified asymptotic model for the propagation of internal waves in the Camassa–Holm regime. *SIAM Journal on Mathematical Analysis*, 47(1):240–290, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DK14] **Duchene:2015:NFJ** Hongjie Dong and Doyoon Kim. Parabolic equations in simple convex polytopes with time irregular coefficients. *SIAM Journal on Mathematical Analysis*, 46(3):1789–1819, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DKR15] **Daus:2016:HLM** Esther S. Daus, Ansgar Jüngel, Clément Mouhot, and Nicola Zamponi. Hypocoercivity for a linearized multispecies Boltzmann system. *SIAM Journal on Mathematical Analysis*, 48(1):538–568, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DKR15] **Dong:2011:PES** Karoline Disser, Hans-Christoph Kaiser, and Joachim Rehberg. Optimal Sobolev regularity for linear second-order divergence elliptic operators oc-
- [DKN11] **Deuring:2011:PDL** Paul Deuring, Stanislav Kracmar, and Sárka Necasová. On pointwise decay of linearized stationary incompressible viscous flow around rotating and translating bodies. *SIAM Journal on Mathematical Analysis*, 43(2):705–738, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p705\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p705_s1).
- [Dong:2014:PES] **Dong:2014:PES** Hongjie Dong and Doyoon Kim. Parabolic equations in simple convex polytopes with time irregular coefficients. *SIAM Journal on Mathematical Analysis*, 43(3):1075–1098, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1075\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1075_s1).
- [Disser:2015:OSR] **Disser:2015:OSR** Karoline Disser, Hans-Christoph Kaiser, and Joachim Rehberg. Optimal Sobolev regularity for linear second-order divergence elliptic operators oc-

- curing in real-world problems. *SIAM Journal on Mathematical Analysis*, 47(3): 1719–1746, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DL10]
- Detmann:2016:SUP**
- [DKR16] Bettina Detmann, Pavel Krejčí, and Elisabetta Rocca. Solvability of an unsaturated porous media flow problem with thermomechanical interaction. *SIAM Journal on Mathematical Analysis*, 48(6): 4175–4201, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DL13]
- Dull:2016:VWA**
- [DKS16] Wolf-Patrick Düll, Kourosh Saneii Kashani, and Guido Schneider. The validity of Whitham’s approximation for a Klein–Gordon–Boussinesq model. *SIAM Journal on Mathematical Analysis*, 48(6):4311–4334, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [dL14]
- Disconzi:2019:LIR**
- [DKT19] Marcelo M. Disconzi, Igor Kukavica, and Amjad Tuffaha. A Lagrangian interior regularity result for the incompressible free boundary Euler equation with surface tension. *SIAM Journal on Mathematical Analysis*, 51(5): 3982–4022, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DL10]
- Du:2010:SVD**
- Yihong Du and Zhigui Lin. Spreading-vanishing dichotomy in the diffusive logistic model with a free boundary. *SIAM Journal on Mathematical Analysis*, 42(1):377–405, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [DL13].
- Du:2013:ESV**
- Yihong Du and Zhigui Lin. Erratum: Spreading-Vanishing Dichotomy in the Diffusive Logistic Model with a Free Boundary. *SIAM Journal on Mathematical Analysis*, 45(3): 1995–1996, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [DL10].
- deLaire:2014:MET**
- André de Laire. Minimal energy for the traveling waves of the Landau–Lifshitz equation. *SIAM Journal on Mathematical Analysis*, 46(1):96–132, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Ding:2015:PEG**
- Weiwei Ding and Xing Liang. Principal eigenvalues of gen-

- eralized convolution operators on the circle and spreading speeds of noncompact evolution systems in periodic media. *SIAM Journal on Mathematical Analysis*, 47(1):855–896, ??? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DL15b] Renjun Duan and Shuangqian Liu. Stability of the rarefaction wave of the Vlasov–Poisson–Boltzmann system. *SIAM Journal on Mathematical Analysis*, 47(5):3585–3647, ??? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DL18] Simone Di Marino and Jean Louet. The entropic regularization of the Monge problem on the real line. *SIAM Journal on Mathematical Analysis*, 50(4):3451–3477, ??? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [dlHHMV16] Francisco de la Hoz, Taoufik Hmidi, Joan Mateu, and Joan Verdera. Doubly connected  $V$ -states for the planar Euler equations. *SIAM Journal on Mathematical Analysis*, 48(3):1892–1928, ??? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [dlLSZ17] Rafael de la Llave, Xifeng Su, and Lei Zhang. Resonant equilibrium configurations in quasi-periodic media: KAM theory. *SIAM Journal on Mathematical Analysis*, 49(1):597–625, ??? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DLM14] L. Desvillettes, Th. Lepoutre, and A. Moussa. Entropy, duality, and cross diffusion. *SIAM Journal on Mathematical Analysis*, 46(1):820–853, ??? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DLSV12] L. Diening, D. Lengeler, B. Stroffolini, and A. Verde. Partial regularity for minimizers of quasi-convex functionals with general growth. *SIAM Journal on Mathematical Analysis*, 44(5):3594–3616, ??? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DLV10] Virginia De Cicco, Chiara Leone, and Anna Verde. Lower semicontinuity in SBV

for integrals with variable growth. *SIAM Journal on Mathematical Analysis*, 42(6):3112–3128, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3112\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3112_s1).

**DiCristo:2013:SEI**

[DLVW13]

M. Di Cristo, C.-L. Lin, S. Vessella, and J.-N. Wang. Size estimates of the inverse inclusion problem for the shallow shell equation. *SIAM Journal on Mathematical Analysis*, 45(1):88–100, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Duan:2012:LEC**

[DLZ12a]

Ben Duan, Zhen Luo, and Yuxi Zheng. Local existence of classical solutions to shallow water equations with Cauchy data containing vacuum. *SIAM Journal on Mathematical Analysis*, 44(2):541–567, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p541\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p541_s1).

**Duan:2012:CPC**

[DLZ12b]

Renjun Duan, Qingqing Liu, and Changjiang Zhu. The Cauchy problem on the compressible two-fluids

Euler–Maxwell equations. *SIAM Journal on Mathematical Analysis*, 44(1):102–133, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p102\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p102_s1).

**Du:2015:NDP**

[DLZ15]

Yihong Du, Bendong Lou, and Maolin Zhou. Nonlinear diffusion problems with free boundaries: Convergence, transition speed, and zero number arguments. *SIAM Journal on Mathematical Analysis*, 47(5):3555–3584, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Ducrot:2014:ABN**

[DM14]

Arnaud Ducrot and Pierre Magal. Asymptotic behavior of a nonlocal diffusive logistic equation. *SIAM Journal on Mathematical Analysis*, 46(3):1731–1753, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Donatelli:2015:QNL**

[DM15]

Donatella Donatelli and Pierangelo Marcati. Quasi-neutral limit, dispersion, and oscillations for Korteweg-type fluids. *SIAM Journal on Mathematical Analysis*, 47(3):2265–2282, 2015. CO-



- DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DN12]
- [dMIS10] Anne Boutet de Monvel, Alexander Its, and Dmitry Shepelsky. Painlevé-type asymptotics for the Camassa–Holm equation. *SIAM Journal on Mathematical Analysis*, 42(4):1854–1873, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DN18]
- [DMZ14] Yihong Du, Hiroshi Matsuzawa, and Maolin Zhou. Sharp estimate of the spreading speed determined by nonlinear free boundary problems. *SIAM Journal on Mathematical Analysis*, 46(1):375–396, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DNK12]
- [DMZ19] Esther S. Daus, Pina Milisić, and Nicola Zamponi. Analysis of a degenerate and singular volume-filling cross-diffusion system modeling biofilm growth. *SIAM Journal on Mathematical Analysis*, 51(4):3569–3605, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DNS12]
- Decker:2012:PFW**  
R. Decker and V. W. Noonburg. A periodically forced Wilson–Cowan system with multiple attractors. *SIAM Journal on Mathematical Analysis*, 44(2):887–905, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Drivas:2018:OCA**  
Theodore D. Drivas and Huy Q. Nguyen. Onsager’s conjecture and anomalous dissipation on domains with boundary. *SIAM Journal on Mathematical Analysis*, 50(5):4785–4811, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Dharmawardane:2012:DES**  
Priyanjana M. N. Dharmawardane, Tohru Nakamura, and Shuichi Kawashima. Decay estimates of solutions for quasi-linear hyperbolic systems of viscoelasticity. *SIAM Journal on Mathematical Analysis*, 44(3):1976–2001, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Dolbeault:2012:PLS**  
Jean Dolbeault, Bruno Nazaret, and Giuseppe Savaré. From Poincaré to logarithmic Sobolev inequalities: a gradient flow

- approach. *SIAM Journal on Mathematical Analysis*, 44(5): 3186–3216, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DNWW19] Patrick W. Dondl, Matteo Novaga, Benedikt Wirth, and Stephan Wojtowytsch. A phase-field approximation of the perimeter under a connectedness constraint. *SIAM Journal on Mathematical Analysis*, 51(5):3902–3920, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DO16] Hideo Deguchi and Michael Oberguggenberger. Propagation of singularities for generalized solutions to wave equations with discontinuous coefficients. *SIAM Journal on Mathematical Analysis*, 48(1): 397–442, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Don11] Hongjie Dong. On similarity solutions to the multidimensional aggregation equation. *SIAM Journal on Mathematical Analysis*, 43(4): 1995–2008, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1995\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1995_s1).
- [DP13] **Dondl:2019:PFA**  
Lucio Damascelli and Filomena Pacella. Symmetry results for cooperative elliptic systems via linearization. *SIAM Journal on Mathematical Analysis*, 45(3):1003–1026, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DP14] **Dumas:2014:JLK**  
Eric Dumas and Dmitry Pelinovsky. Justification of the log-KdV equation in granular chains: The case of precompression. *SIAM Journal on Mathematical Analysis*, 46(6): 4075–4103, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DP15] **Deguchi:2016:PSG**  
Shibin Dai and Keith Promislow. Competitive geometric evolution of amphiphilic interfaces. *SIAM Journal on Mathematical Analysis*, 47(1): 347–380, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DR13] **Dong:2011:SSM**  
Yanheng Ding and Bernhard Ruf. Existence and concentration of semiclassical solutions

- for Dirac equations with critical nonlinearities. *SIAM Journal on Mathematical Analysis*, 44(6):3755–3785, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DS10a]
- [dR18] Björn de Rijk. Spectra and stability of spatially periodic pulse patterns II: The critical spectral curve. *SIAM Journal on Mathematical Analysis*, 50(2):1958–2019, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **deRijk:2018:SSS**
- [dRDR16] Björn de Rijk, Arjen Doelman, and Jens Rademacher. Spectra and stability of spatially periodic pulse patterns: Evans function factorization via Riccati transformation. *SIAM Journal on Mathematical Analysis*, 48(1):61–121, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **deRijk:2016:SSS**
- [Dro18] Alexis Drouot. Bound states for rapidly oscillatory Schrödinger operators in dimension 2. *SIAM Journal on Mathematical Analysis*, 50(2):1471–1484, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Drouot:2018:BSR**
- [DS10a] Monique Dauge and Rob Stevenson. Sparse tensor product wavelet approximation of singular functions. *SIAM Journal on Mathematical Analysis*, 42(5):2203–2228, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Dauge:2010:STP**
- [DS10b] Shengfu Deng and Shu-Ming Sun. Exact theory of three-dimensional water waves at the critical speed. *SIAM Journal on Mathematical Analysis*, 42(6):2721–2761, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Deng:2010:ETT**
- [DS13] Cristiana Di Russo and Alice Sepe. Existence and asymptotic behavior of solutions to a quasi-linear hyperbolic-parabolic model of vasculogenesis. *SIAM Journal on Mathematical Analysis*, 45(2):748–776, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **DiRusso:2013:EAB**
- [DS14] Mimi Dai and Maria Schonbek. Asymptotic behavior of solutions to the liquid crystal system in  $H^m(\mathbf{R}^3)$ . *SIAM Journal on Mathe-* **Dai:2014:ABS**

*mathematical Analysis*, 46(5):3131–3150, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Davoli:2019:DPP**

[DS19] Elisa Davoli and Ulisse Stefanelli. Dynamic perfect plasticity as convex minimization. *SIAM Journal on Mathematical Analysis*, 51(2):672–730, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Dipierro:2015:NFB**

[DSV15] Serena Dipierro, Ovidiu Savin, and Enrico Valdinoci. A nonlocal free boundary problem. *SIAM Journal on Mathematical Analysis*, 47(6):4559–4605, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Dong:2017:IRG**

[DSX17] Bin Dong, Zuowei Shen, and Peichu Xie. Image restoration: a general wavelet frame based model and its asymptotic analysis. *SIAM Journal on Mathematical Analysis*, 49(1):421–445, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Deng:2018:SPI**

[DSY18] Qingquan Deng, Avy Soffer, and Xiaohua Yao. Soliton-

potential interactions for nonlinear Schrödinger equation in  $\mathbf{R}^3$ . *SIAM Journal on Mathematical Analysis*, 50(5):5243–5292, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**DiFratta:2019:SPT**

[DSZ19] Giovanni Di Fratta, Valeriy Slastikov, and Arghir Zarnescu. On a sharp Poincaré-type inequality on the 2-sphere and its application in micromagnetics. *SIAM Journal on Mathematical Analysis*, 51(4):3373–3387, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Droniou:2014:MDM**

[DT14] Jérôme Droniou and Kyle S. Talbot. On a miscible displacement model in porous media flow with measure data. *SIAM Journal on Mathematical Analysis*, 46(5):3158–3175, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Plinio:2015:GST**

[DT15] Francesco Di Plinio and Roger Temam. Grisvard’s shift theorem near  $L^\infty$  and Yudovich theory on polygonal domains. *SIAM Journal on Mathematical Analysis*, 47(1):159–178, 2015. CO-

- DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DV10]
- Duan:2011:DPV**
- [Dua11] Renjun Duan. Dissipative property of the Vlasov–Maxwell–Boltzmann system with a uniform ionic background. *SIAM Journal on Mathematical Analysis*, 43(6): 2732–2757, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2732\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2732_s1). [DVW15]
- Duchene:2010:ASW**
- [Duc10] Vincent Duchêne. Asymptotic shallow water models for internal waves in a two-fluid system with a free surface. *SIAM Journal on Mathematical Analysis*, 42(5): 2229–2260, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DW13]
- Duerinckx:2016:MFL**
- [Duc16] Mitia Duerinckx. Mean-field limits for some Riesz interaction gradient flows. *SIAM Journal on Mathematical Analysis*, 48(3):2269–2300, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- DiCristo:2010:SDD**
- Michele Di Cristo and Sergio Vessella. Stable determination of the discontinuous conductivity coefficient of a parabolic equation. *SIAM Journal on Mathematical Analysis*, 42(1): 183–217, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Duchene:2015:OLP**
- V. Duchêne, I. Vukićević, and M. I. Weinstein. Oscillatory and localized perturbations of periodic structures and the bifurcation of defect modes. *SIAM Journal on Mathematical Analysis*, 47(5): 3832–3883, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Du:2013:STR**
- Yi Du and Keyan Wang. Space-time regularity of the Koch and Tataru solutions to the liquid crystal equations. *SIAM Journal on Mathematical Analysis*, 45(6): 3838–3853, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Deng:2018:TDF**
- [DWX18] Xuemei Deng, Tian-Yi Wang, and Wei Xiang. Three-dimensional full Euler flows with nontrivial swirl in axisymmetric nozzles. *SIAM*

- Journal on Mathematical Analysis*, 50(3):2740–2772, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DX19] **Deng:2012:VCL**
- [DWY12] Shijin Deng, Weike Wang, and Shih-Hsien Yu. Viscous conservation laws with boundary. *SIAM Journal on Mathematical Analysis*, 44(4):2695–2755, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DXZ18] **Ding:2012:GSS**
- [DWYZ12] Shijin Ding, Huanyao Wen, Lei Yao, and Changjiang Zhu. Global spherically symmetric classical solution to compressible Navier–Stokes equations with large initial data and vacuum. *SIAM Journal on Mathematical Analysis*, 44(2):1257–1278, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DY10] **Du:2010:VSH**
- [DWZ10] Qiang Du, Juncheng Wei, and Chunyi Zhao. Vortex solutions of the high- $\kappa$  high-field Ginzburg–Landau model with an applied current. *SIAM Journal on Mathematical Analysis*, 42(6):2368–2401, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DYZ19a] **Dong:2019:GED**
- Hongjie Dong and Longjuan Xu. Gradient estimates for divergence form elliptic systems arising from composite material. *SIAM Journal on Mathematical Analysis*, 51(3):2444–2478, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DYZ19b] **Dai:2018:GPH**
- Dan Dai, Shuai-Xia Xu, and Lun Zhang. Gap probability at the hard edge for random matrix ensembles with pole singularities in the potential. *SIAM Journal on Mathematical Analysis*, 50(2):2233–2279, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DYZ19c] **Duan:2010:SOS**
- Renjun Duan and Tong Yang. Stability of the one-species Vlasov–Poisson–Boltzmann system. *SIAM Journal on Mathematical Analysis*, 41(6):2353–2387, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DYZ19d] **Dong:2019:EPL**
- Hongjie Dong, Tong Yang, and Mingying Zhong. Exterior

- problem of the linear Vlasov–Poisson–Boltzmann system. *SIAM Journal on Mathematical Analysis*, 51(3):1792–1823, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DYZ19b] Yi Du, Wang Yang, and Yi Zhou. On the exponential stability of a stratified flow to the 2D ideal MHD equations with damping. *SIAM Journal on Mathematical Analysis*, 51(6):5077–5102, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DZ14] Andrea Davini and Maxime Zavidovique. Aubry sets for weakly coupled systems of Hamilton–Jacobi equations. *SIAM Journal on Mathematical Analysis*, 46(5):3361–3389, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DZ15] Lili Du and Deqin Zhou. Global well-posedness of two-dimensional magnetohydrodynamic flows with partial dissipation and magnetic diffusion. *SIAM Journal on Mathematical Analysis*, 47(2):1562–1589, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [EEW11] Mats Ehrnström, Joachim Escher, and Erik Wahlén. Steady water waves with multiple critical layers. *SIAM Journal on Mathematical Analysis*, 43(3):1436–1456, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1436\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1436_s1).
- [EF15] Charles M. Elliott and Hans Fritz. Time-periodic solutions of advection-diffusion equations on moving hypersurfaces. *SIAM Journal on Mathematical Analysis*, 47(3):1693–1718, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [EG19] Matthias Ebenbeck and Harald Garcke. On a Cahn–Hilliard–Brinkman model for tumor growth and its singular limits. *SIAM Journal on Mathematical Analysis*, 51(3):1868–1912, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Ehrnstrom:2011:SWW****Du:2019:ESS****Davini:2014:ASW****Du:2015:GWP****Elliott:2015:TPS****Ebenbeck:2019:CHB**

- [EH13] **Elschner:2013:ESU**  
 Johannes Elschner and Guanghui Hu. Elastic scattering by unbounded rough surfaces. *SIAM Journal on Mathematical Analysis*, 44(6):4101–4127, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [EH16] **Soufi:2016:POO**  
 Ahmad El Soufi and Evans M. Harrell II. On the placement of an obstacle so as to optimize the Dirichlet heat trace. *SIAM Journal on Mathematical Analysis*, 48(2):884–894, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [EHR18] **Evers:2016:MVM**  
 Joep H. M. Evers, Sander C. Hille, and Adrian Muntean. Measure-valued mass evolution problems with flux boundary conditions and solution-dependent velocities. *SIAM Journal on Mathematical Analysis*, 48(3):1929–1953, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [EI11] **Eremenko:2011:SGP**  
 Alexandre Eremenko and Sergei Ivanov. Spectra of the Gurtin–Pipkin type equations. *SIAM Journal on Mathematical Analysis*, 43(5):2296–2306, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2296\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2296_s1).
- [EJ14] **Endal:2014:CBN**  
 J. Endal and E. R. Jakobsen.  $L^1$  contraction for bounded (nonintegrable) solutions of degenerate parabolic equations. *SIAM Journal on Mathematical Analysis*, 46(6):3957–3982, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [EKR18] **Erdos:2018:PLD**  
 László Erdős, Torben Krüger, and David Renfrew. Power law decay for systems of randomly coupled differential equations. *SIAM Journal on Mathematical Analysis*, 50(3):3271–3290, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [EL17] **Esfahani:2017:SSW**  
 Amin Esfahani and Steve Levandosky. Stability of solitary waves of the Kadomtsev–Petviashvili equation with a weak rotation. *SIAM Journal on Mathematical Analysis*, 49(6):5096–5133, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).



- [Ell12] **Eller:2012:SHB**  
 Matthias Eller. On symmetric hyperbolic boundary problems with nonhomogeneous conservative boundary conditions. *SIAM Journal on Mathematical Analysis*, 44(3):1925–1949, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [EM10] **Epstein:2010:WFD**  
 Charles L. Epstein and Rafe Mazzeo. Wright–Fisher diffusion in one dimension. *SIAM Journal on Mathematical Analysis*, 42(2):568–608, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [EMZ17] **Escauriaza:2017:ASP**  
 Luis Escauriaza, Santiago Montaner, and Can Zhang. Analyticity of solutions to parabolic evolutions and applications. *SIAM Journal on Mathematical Analysis*, 49(5):4064–4092, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [EP12] **Elbert:2012:AAO**  
 Alexander Elbert and Grigory Panasenko. Asymptotic analysis of the one-dimensional diffusion-absorption equation with rapidly and strongly oscillating absorption coefficient. *SIAM Journal on Mathematical Analysis*, 44(3):2099–2119, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ER12] **Elling:2012:SSS**  
 Volker Elling and Joseph Roberts. Steady and self-similar inviscid flow. *SIAM Journal on Mathematical Analysis*, 44(4):2344–2371, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ER19] **Eychenne:2019:SDB**  
 Arnaud Eychenne and Nicolas Rougerie. On the stability of 2D dipolar Bose–Einstein condensates. *SIAM Journal on Mathematical Analysis*, 51(2):1371–1386, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ERV17] **Elliott:2017:CBS**  
 Charles M. Elliott, Thomas Ranner, and Chandrasekhar Venkataraman. Coupled bulk-surface free boundary problems arising from a mathematical model of receptor-ligand dynamics. *SIAM Journal on Mathematical Analysis*, 49(1):360–397, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [ES10] **Egger:2010:ARP**  
Herbert Egger and Matthias Schlottbom. Analysis and regularization of problems in diffuse optical tomography. *SIAM Journal on Mathematical Analysis*, 42(5):1934–1948, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ess16] **Esselborn:2016:RRP**  
Elias Esselborn. Relaxation rates for a perturbation of a stationary solution to the thin-film equation. *SIAM Journal on Mathematical Analysis*, 48(1):349–396, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ESvR12] **Es-Sarhir:2012:ESC**  
Abdelhadi Es-Sarhir and Max-K. von Renesse. Ergodicity of stochastic curve shortening flow in the plane. *SIAM Journal on Mathematical Analysis*, 44(1):224–244, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p224\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p224_s1).
- [ET16] **Evans:2016:ASK**  
Lawrence C. Evans and Peyam R. Tabrizian. Asymptotics for scaled Kramers–Smoluchowski equations. *SIAM Journal on Mathematical Analysis*, 48(4):2944–2961, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ETZ13] **Erdogan:2013:HFP**  
M. B. Erdogan, N. Tzirakis, and V. Zharnitsky. High frequency perturbation of cnoidal waves in KdV. *SIAM Journal on Mathematical Analysis*, 44(6):4147–4164, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Evj11] **Evje:2011:WSG**  
Steinar Evje. Weak solutions for a gas-liquid model relevant for describing gas-kick in oil wells. *SIAM Journal on Mathematical Analysis*, 43(4):1887–1922, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1887\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1887_s1).
- [Evj13a] **Evje:2013:CTP**  
Steinar Evje. A compressible two-phase model with pressure-dependent well-reservoir interaction. *SIAM Journal on Mathematical Analysis*, 45(2):518–546, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [Evj13b] **Evje:2013:GTP**  
Steinar Evje. Genuine two-phase flow dynamics with a free interface separating gas-liquid mixture from gas. *SIAM Journal on Mathematical Analysis*, 45(5):2894–2923, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [EW15a] **Elgindi:2015:SDE**  
Tarek M. Elgindi and Klaus Widmayer. Sharp decay estimates for an anisotropic linear semigroup and applications to the surface quasi-geostrophic and inviscid Boussinesq systems. *SIAM Journal on Mathematical Analysis*, 47(6):4672–4684, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [EW15b] **Evje:2015:GSV**  
Steinar Evje and Huanyao Wen. Global solutions of a viscous gas-liquid model with unequal fluid velocities in a closed conduit. *SIAM Journal on Mathematical Analysis*, 47(1):381–406, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [EW18] **Evje:2018:STF**  
Steinar Evje and Huanyao Wen. A Stokes two-fluid model for cell migration that can account for physical cues in the microenvironment. *SIAM Journal on Mathematical Analysis*, 50(1):86–118, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [EW19] **Ehrnstrom:2019:EET**  
Mats Ehrnström and Yuexun Wang. Enhanced existence time of solutions to the fractional Korteweg–de Vries equation. *SIAM Journal on Mathematical Analysis*, 51(4):3298–3323, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Fai14] **Faierman:2014:ITP**  
Melvin Faierman. The interior transmission problem: Spectral theory. *SIAM Journal on Mathematical Analysis*, 46(1):803–819, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Faj16] **Fajman:2016:LWP**  
David Fajman. Local well-posedness for the Einstein–Vlasov system. *SIAM Journal on Mathematical Analysis*, 48(5):3270–3321, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [Feh13] **Fehrman:2013:SHM**  
 Benjamin J. Fehrman. Stochastic homogenization of monotone systems of viscous Hamilton–Jacobi equations with convex nonlinearities. *SIAM Journal on Mathematical Analysis*, 45(4):2441–2476, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Fel18] **Feldman:2018:SSP**  
 William M. Feldman. Stability of Serrin’s problem and dynamic stability of a model for contact angle motion. *SIAM Journal on Mathematical Analysis*, 50(3):3303–3326, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FF12] **Ferreira:2012:RHM**  
 Rita Ferreira and Irene Fonseca. Reiterated homogenization in  $BV$  via multiscale convergence. *SIAM Journal on Mathematical Analysis*, 44(3):2053–2098, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FFGHR17] **Földes:2017:AAR**  
 Juraj Földes, Susan Friedlander, Nathan Glatt-Holtz, and Geordie Richards. Asymptotic analysis for randomly forced MHD. *SIAM Journal on Mathematical Analysis*, 49(6):4440–4469, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FG15] **Fischer:2015:FSP**  
 Julian Fischer and Günther Grün. Finite speed of propagation and waiting times for the stochastic porous medium equation: a unifying approach. *SIAM Journal on Mathematical Analysis*, 47(1):825–854, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FG18a] **Ferreira:2018:EWS**  
 Rita Ferreira and Diogo Gomes. Existence of weak solutions to stationary mean-field games through variational inequalities. *SIAM Journal on Mathematical Analysis*, 50(6):5969–6006, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FG18b] **Fischer:2018:EPS**  
 Julian Fischer and Günther Grün. Existence of positive solutions to stochastic thin-film equations. *SIAM Journal on Mathematical Analysis*, 50(1):411–455, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [FGJ11] **Fontelos:2011:PFM**  
 M. A. Fontelos, G. Grün, and S. Jörres. On a phase-field model for electrowetting and other electrokinetic phenomena. *SIAM Journal on Mathematical Analysis*, 43(1): 527–563, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p527\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p527_s1).
- [FGN12] **Feireisl:2012:SLC**  
 Eduard Feireisl, Isabelle Gallagher, and Antonín Novotný. A singular limit for compressible rotating fluids. *SIAM Journal on Mathematical Analysis*, 44(1):192–205, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p192\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p192_s1).
- [FGN13] **Felea:2013:MAS**  
 Raluca Felea, Romina Gaburro, and Clifford J. Nolan. Microlocal analysis of SAR imaging of a dynamic reflectivity function. *SIAM Journal on Mathematical Analysis*, 45(5): 2767–2789, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FGR15] **Figalli:2015:CID**  
 Alessio Figalli, Thomas O. Gallouët, and Ludovic Riford. On the convexity of injectivity domains on nonfocal manifolds. *SIAM Journal on Mathematical Analysis*, 47(2): 969–1000, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FGW13] **Fang:2013:FBT**  
 Chun Fang, Mats Gyllenberg, and Yi Wang. Floquet bundles for tridiagonal competitive-cooperative systems and the dynamics of time-recurrent systems. *SIAM Journal on Mathematical Analysis*, 45(4):2477–2498, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FHK11] **Frid:2011:SMN**  
 Hermano Frid, Helge Holden, and Kenneth H. Karlsen.  $L^\infty$  solutions for a model of nonisothermal polytropic gas flow. *SIAM Journal on Mathematical Analysis*, 43(5): 2253–2274, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2253\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2253_s1).
- [FHK13] **Friedman:2013:DAL**  
 Avner Friedman, Bei Hu, and James P. Keener. The diffusion approximation for linear nonautonomous reaction-hyperbolic equations. *SIAM*

- [FHMP16] Lorenzo Freddi, Peter Horning, Maria Giovanna Mora, and Roberto Paroni. A variational model for anisotropic and naturally twisted ribbons. *SIAM Journal on Mathematical Analysis*, 48(6):3883–3906, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Freddi:2016:VMA**
- [FHO16] Marco A. Fontelos, Hyung Ju Hwang, and Youngmin Oh. Stability, instability, and bifurcation in electrified thin films. *SIAM Journal on Mathematical Analysis*, 48(4):2730–2782, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Fontelos:2016:SIB**
- [FHX10] Avner Friedman, Bei Hu, and Chuan Xue. Analysis of a mathematical model of ischemic cutaneous wounds. *SIAM Journal on Mathematical Analysis*, 42(5):2013–2040, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Friedman:2010:AMM**
- [FI14] M. Focardi and F. Iurlano. Asymptotic analysis of Ambrosio-Tortorelli energies in linearized elasticity. *SIAM Journal on Mathematical Analysis*, 46(4):2936–2955, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Focardi:2014:AAA**
- [Fis13] Julian Fischer. Advection-driven support shrinking in a chemotaxis model with degenerate mobility. *SIAM Journal on Mathematical Analysis*, 45(3):1585–1615, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Fischer:2013:ADS**
- [FJ18] Susana Frómeta and Milton Jara. Scaling limit for a long-range divisible sandpile. *SIAM Journal on Mathematical Analysis*, 50(3):2317–2361, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Frometa:2018:SLL**
- [FK13] Rupert L. Frank and Hynek Kovarik. Heat kernels of metric trees and applications. *SIAM Journal on Mathematical Analysis*, 45(3):1027–1046, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Frank:2013:HKM**

- [FK18] **Friedrich:2018:PNL**  
Manuel Friedrich and Martin Kružík. On the passage from nonlinear to linearized viscoelasticity. *SIAM Journal on Mathematical Analysis*, 50(4):4426–4456, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FKM19] **Fedotov:2019:CWM**  
Alexander Fedotov and Frédéric Klopp. The complex WKB method for difference equations and Airy functions. *SIAM Journal on Mathematical Analysis*, 51(6):4413–4447, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FKM<sup>+</sup>16] **Fernandez:2016:EUR**  
J. R. Fernández, P. Kalita, S. Migórski, M. C. Muñoz, and C. Núñez. Existence and uniqueness results for a kinetic model in bulk-surface surfactant dynamics. *SIAM Journal on Mathematical Analysis*, 48(5):3065–3089, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FKM19] **Feireisl:2019:LMN**  
Eduard Feireisl, Christian Klingenberg, and Simon Markfelder. On the low Mach number limit for the compressible Euler system. *SIAM Journal on Mathematical Analysis*, 51(2):1496–1513, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FKN<sup>+</sup>14] **Feireisl:2014:ILF**  
Eduard Feireisl, Ondrej Kreml, Sárka Necasová, Jirí Neustupa, and Jan Stebel. Incompressible limits of fluids excited by moving boundaries. *SIAM Journal on Mathematical Analysis*, 46(2):1456–1471, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FKV15] **Feireisl:2015:SIR**  
E. Feireisl, O. Kreml, and A. Vasseur. Stability of the isentropic Riemann solutions of the full multidimensional Euler system. *SIAM Journal on Mathematical Analysis*, 47(3):2416–2425, 2015. CODEN SJMAAH. ISSN
- [FK19a] **Feizmohammadi:2019:RNC**  
Ali Feizmohammadi and Yavar Kian. Recovery of non-smooth coefficients appearing in anisotropic wave equations. *SIAM Journal on Mathematical Analysis*, 51(6):4953–4976, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FK19b]

- 0036-1410 (print), 1095-7154 (electronic). [FL17]
- Fan:2012:SWP**
- [FL12a] Haitao Fan and Xiao-Biao Lin. Standing waves for phase transitions in a spherically symmetric nozzle. *SIAM Journal on Mathematical Analysis*, 44(1):405–436, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p405\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p405_s1). [FL19]
- Frouvelle:2012:DKM**
- [FL12b] Amic Frouvelle and Jian-Guo Liu. Dynamics in a kinetic model of oriented particles with phase transition. *SIAM Journal on Mathematical Analysis*, 44(2):791–826, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [FMP18]
- Frank:2015:CLA**
- [FL15] Rupert L. Frank and Elliott H. Lieb. A compactness lemma and its application to the existence of minimizers for the liquid drop model. *SIAM Journal on Mathematical Analysis*, 47(6):4436–4450, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [FPP19]
- Fonseca:2017:WAT**
- Irene Fonseca and Pan Liu. The weighted Ambrosio–Tortorelli approximation scheme. *SIAM Journal on Mathematical Analysis*, 49(6):4491–4520, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Flandoli:2019:KEA**
- Franco Flandoli and Dejun Luo. Kolmogorov equations associated to the stochastic two dimensional Euler equations. *SIAM Journal on Mathematical Analysis*, 51(3):1761–1791, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Frid:2018:MAT**
- Hermano Frid, Daniel R. Marroquin, and Ronghua Pan. Modeling Aurora type phenomena by short wave-long wave interactions in multidimensional large magnetohydrodynamic flows. *SIAM Journal on Mathematical Analysis*, 50(6):6156–6195, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Fanzon:2019:DLP**
- Silvio Fanzon, Mariapia Palombaro, and Marcello Ponsiglione. Derivation of



- linearized polycrystals from a two-dimensional system of edge dislocations. *SIAM Journal on Mathematical Analysis*, 51(5):3956–3981, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FPTT12] **Furioli:2012:GCL**  
G. Furioli, A. Pulvirenti, E. Terraneo, and G. Toscani. The grazing collision limit of the inelastic Kac model around a Lévy-type equilibrium. *SIAM Journal on Mathematical Analysis*, 44(2):827–850, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FPVR13] **Ferreira:2013:NNS**  
Lucas C. F. Ferreira, Gabriela Planas, and Elder J. Villamizar-Roa. On the nonhomogeneous Navier–Stokes system with Navier friction boundary conditions. *SIAM Journal on Mathematical Analysis*, 45(4):2576–2595, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FPZ14] **Frid:2014:GSS**  
Hermano Frid, Ronghua Pan, and Weizhe Zhang. Global smooth solutions in  $\mathbf{R}^3$  to short wave-long wave interactions systems for viscous compressible fluids. *SIAM Journal on Mathematical Analysis*, 46(3):1946–1968, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FQ11] **Felea:2011:MPL**  
Raluca Felea and Eric Todd Quinto. The microlocal properties of the local 3-D SPECT operator. *SIAM Journal on Mathematical Analysis*, 43(3):1145–1157, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1145\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1145_s1).
- [FQ16] **Frikel:2016:LDP**  
Jürgen Frikel and Eric Todd Quinto. Limited data problems for the generalized Radon transform in  $\mathbf{R}^n$ . *SIAM Journal on Mathematical Analysis*, 48(4):2301–2318, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FQS10] **Felmer:2010:RPS**  
Patricio Felmer, Alexander Quaas, and Boyan Sirakov. Resonance phenomena for second-order stochastic control equations. *SIAM Journal on Mathematical Analysis*, 42(3):997–1024, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [FR17] **Fischer:2017:LPL**  
 Julian Fischer and Claudia Raithel. Liouville principles and a large-scale regularity theory for random elliptic operators on the half-space. *SIAM Journal on Mathematical Analysis*, 49(1):82–114, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Fri18] **Friedrich:2018:PKI**  
 Manuel Friedrich. A piecewise Korn inequality in SBD and applications to embedding and density results. *SIAM Journal on Mathematical Analysis*, 50(4):3842–3918, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Fri19] **Friesecke:2019:SCM**  
 Gero Friesecke. A simple counterexample to the Monge ansatz in multi-marginal optimal transport, convex geometry of the set of Kantorovich plans, and the Frenkel–Kontorova model. *SIAM Journal on Mathematical Analysis*, 51(6):4332–4355, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FRX19] **Fan:2019:ASR**  
 Lili Fan, Lizhi Ruan, and Wei Xiang. Asymptotic stability of rarefaction wave for the in-flow problem governed by the one-dimensional radiative Euler equations. *SIAM Journal on Mathematical Analysis*, 51(1):595–625, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FS14] **Fishman:2014:MTA**  
 Shmuel Fishman and Avy Soffer. Multiscale time averaging, reloaded. *SIAM Journal on Mathematical Analysis*, 46(2):1385–1405, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FS15] **Frehse:2015:RTD**  
 Jens Frehse and Sebastian Schwarzacher. On regularity of the time derivative for degenerate parabolic systems. *SIAM Journal on Mathematical Analysis*, 47(5):3917–3943, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FT13] **Feldman:2013:LSS**  
 Mikhail Feldman and Adrian Tudorascu. On Lagrangian solutions for the semi-geostrophic system with singular initial data. *SIAM Journal on Mathematical Analysis*, 45(3):1616–1640, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [FT17] **Feischl:2017:ERS**  
 Michael Feischl and Thanh Tran. Existence of regular solutions of the Landau–Lifshitz–Gilbert equation in 3D with natural boundary conditions. *SIAM Journal on Mathematical Analysis*, 49(6):4470–4490, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FV18] **Friesecke:2018:BCD**  
 Gero Friesecke and Daniela Vögler. Breaking the curse of dimension in multi-marginal Kantorovich optimal transport on finite state spaces. *SIAM Journal on Mathematical Analysis*, 50(4):3996–4019, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FW18a] **Faver:2018:EDF**  
 Timothy E. Faver and J. Douglas Wright. Exact diatomic Fermi–Pasta–Ulam–Tsingou solitary waves with optical band ripples at infinity. *SIAM Journal on Mathematical Analysis*, 50(1):182–250, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FW18b] **Franz:2018:CSP**  
 Tino Franz and Holger Wendland. Convergence of the smoothed particle hydrodynamics method for a specific barotropic fluid flow: Constructive kernel theory. *SIAM Journal on Mathematical Analysis*, 50(5):4752–4784, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FWW17] **Feng:2017:S**  
 Lirui Feng, Yi Wang, and Jianhong Wu. Semiflows “monotone with respect to high-rank cones” on a Banach space. *SIAM Journal on Mathematical Analysis*, 49(1):142–161, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FY13a] **Fei:2013:BSD**  
 Mingwen Fei and Huicheng Yin. Bound states of 2-D nonlinear Schrödinger equations with potentials tending to zero at infinity. *SIAM Journal on Mathematical Analysis*, 45(4):2299–2331, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FY13b] **Felmer:2013:FPF**  
 Patricio Felmer and Miguel Yangari. Fast propagation for fractional KPP equations with slowly decaying initial conditions. *SIAM Journal on Mathematical Analysis*, 45(2):662–678, 2013. CO-

DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[Gar11]

**Fang:2014:TWM**

[FZ14] Jian Fang and Xiao-Qiang Zhao. Traveling waves for monotone semiflows with weak compactness. *SIAM Journal on Mathematical Analysis*, 46(6):3678–3704, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Fang:2016:GSO**

[FZ16] Daoyuan Fang and Ruizhao Zi. Global solutions to the Oldroyd-B model with a class of large initial data. *SIAM Journal on Mathematical Analysis*, 48(2):1054–1084, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Fang:2018:GSI**

[FZZ18] Daoyuan Fang, Ting Zhang, and Ruizhao Zi. Global solutions to the isentropic compressible Navier–Stokes equations with a class of large initial data. *SIAM Journal on Mathematical Analysis*, 50(5):4983–5026, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Garnier:2011:ASI**

Jimmy Garnier. Accelerating solutions in integro-differential equations. *SIAM Journal on Mathematical Analysis*, 43(4):1955–1974, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1955\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1955_s1).

**Gastel:2019:RIC**

[Gas19]

Andreas Gastel. Regularity issues for Cosserat continua and  $p$ -harmonic maps. *SIAM Journal on Mathematical Analysis*, 51(6):4287–4310, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**García-Cervera:2018:SMP**

[GCGJL18]

Carlos J. García-Cervera, Tiziana Giorgi, Sookyung Joo, and Xin Yang Lu. Switching mechanism in the  $B_{1RevTilted}$  phase of bent-core liquid crystals. *SIAM Journal on Mathematical Analysis*, 50(5):4889–4913, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Gess:2013:FSP**

[Ges13]

Benjamin Gess. Finite speed of propagation for stochastic porous media equations. *SIAM Journal on Mathe-*

*mathematical Analysis*, 45(5):2734–2766, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Glitzky:2010:EBS**

[GG10]

Annegret Glitzky and Klaus Gärtner. Existence of bounded steady state solutions to spin-polarized drift-diffusion systems. *SIAM Journal on Mathematical Analysis*, 41(6):2489–2513, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Gao:2014:RAS**

[GGAS14]

Hongjun Gao, María J. Garrido-Atienza, and Björn Schmalfuss. Random attractors for stochastic evolution equations driven by fractional Brownian motion. *SIAM Journal on Mathematical Analysis*, 46(4):2281–2309, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Guillen-Gonzalez:2014:WTR**

[GGRB14]

Francisco Guillén-González and María Ángeles Rodríguez-Bellido. Weak time regularity and uniqueness for a  $Q$ -tensor model. *SIAM Journal on Mathematical Analysis*, 46(5):3540–3567, 2014. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

**Greenlee:2010:QIR**

[GH10]

W. M. Greenlee and L. Hermi. Quadratic interpolation and Rayleigh–Ritz methods for bifurcation coefficients. *SIAM Journal on Mathematical Analysis*, 42(6):2987–3019, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2987\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2987_s1).

**Guglielmi:2012:AER**

[GH12]

Nicola Guglielmi and Ernst Hairer. Asymptotic expansions for regularized state-dependent neutral delay equations. *SIAM Journal on Mathematical Analysis*, 44(4):2428–2458, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Grabovsky:2014:ESE**

[GH14]

Yury Grabovsky and Davit Harutyunyan. Exact scaling exponents in Korn and Korn-type inequalities for cylindrical shells. *SIAM Journal on Mathematical Analysis*, 46(5):3277–3295, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [GH18] **Grebenkov:2018:SPB**  
 Denis S. Grebenkov and Bernard Helffer. On spectral properties of the Bloch–Torrey operator in two dimensions. *SIAM Journal on Mathematical Analysis*, 50(1):622–676, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GHH17] **Grebenkov:2017:CAO**  
 Denis S. Grebenkov, Bernard Helffer, and Raphael Henry. The complex Airy operator on the line with a semipermeable barrier. *SIAM Journal on Mathematical Analysis*, 49(3):1844–1894, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ghi13] **Ghisi:2013:ALM**  
 Marina Ghisi. Asymptotic limits for mildly degenerate Kirchhoff equations. *SIAM Journal on Mathematical Analysis*, 45(3):1886–1906, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GHLN13] **Guo:2013:MSO**  
 Zihua Guo, Nakao Hayashi, Yiquan Lin, and Pavel I. Naumkin. Modified scattering operator for the derivative nonlinear Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 45(6):3854–3871, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GHMZ10] **Goudon:2010:NSV**  
 Thierry Goudon, Lingbing He, Ayman Moussa, and Ping Zhang. The Navier–Stokes–Vlasov–Fokker–Planck system near equilibrium. *SIAM Journal on Mathematical Analysis*, 42(5):2177–2202, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GI15] **Geronimo:2015:HBA**  
 Jeffrey S. Geronimo and Plamen Iliev. A hypergeometric basis for the Alpert multiresolution analysis. *SIAM Journal on Mathematical Analysis*, 47(1):654–668, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Gia15] **Giacomelli:2015:FSP**  
 Lorenzo Giacomelli. Finite speed of propagation and waiting time phenomena for degenerate parabolic equations with linear growth Lagrangian. *SIAM Journal on Mathematical Analysis*, 47(3):2426–2441, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [Gie14] **Giesselmann:2014:REA**  
 Jan Giesselmann. A relative entropy approach to convergence of a low order approximation to a nonlinear elasticity model with viscosity and capillarity. *SIAM Journal on Mathematical Analysis*, 46(5):3518–3539, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Gin19] **Ginster:2019:SGP**  
 Janusz Ginster. Strain-gradient plasticity as the  $\Gamma$ -limit of a nonlinear dislocation energy with mixed growth. *SIAM Journal on Mathematical Analysis*, 51(4):3424–3464, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GIP<sup>+</sup>13] **Gaitan:2013:IPT**  
 P. Gaitan, H. Isozaki, O. Pison, S. Siltanen, and J. P. Tamminen. Inverse problems for time-dependent singular heat conductivities — one-dimensional case. *SIAM Journal on Mathematical Analysis*, 45(3):1675–1690, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GIV17] **Geronimo:2017:AML**  
 Jeffrey S. Geronimo, Plamen Iliev, and Walter Van Assche. Alpert multiwavelets and Legendre–Angelesco multiple orthogonal polynomials. *SIAM Journal on Mathematical Analysis*, 49(1):626–645, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GJMC12] **Gwiazda:2012:MDC**  
 Piotr Gwiazda, Grzegorz Jamróz, and Anna Marciniak-Czochra. Models of discrete and continuous cell differentiation in the framework of transport equation. *SIAM Journal on Mathematical Analysis*, 44(2):1103–1133, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GJZ15] **Guo:2015:SVC**  
 Yan Guo, Song Jiang, and Chunhui Zhou. Steady viscous compressible channel flows. *SIAM Journal on Mathematical Analysis*, 47(5):3648–3670, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GK10] **Gyongy:2010:AFD**  
 István Gyöngy and Nicolai Krylov. Accelerated finite difference schemes for linear stochastic partial differential equations in the whole space. *SIAM Journal on Mathematical Analysis*, 42(5):2275–2296, 2010. CO-

- DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GL15]
- [GKR18] Yu Gu, Tomasz Komorowski, and Lenya Ryzhik. Fluctuations of random semi-linear advection equations. *SIAM Journal on Mathematical Analysis*, 50(5):5293–5336, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GL17]
- [GKR19] Augusto Gerolin, Anna Kausamo, and Tapio Rajala. Nonexistence of optimal transport maps for the multi-marginal repulsive harmonic cost. *SIAM Journal on Mathematical Analysis*, 51(3):2359–2371, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GL19a]
- [GL12] Kanghui Guo and Demetrio Labate. Optimally sparse representations of 3D data with  $C^2$  surface singularities using Parseval frames of shearlets. *SIAM Journal on Mathematical Analysis*, 44(2):851–886, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GL19b]
- Grubic:2015:ASO**  
Nastasia Grubic and Philippe G. LeFloch. On the area of the symmetry orbits in weakly regular Einstein–Euler spacetimes with Gowdy symmetry. *SIAM Journal on Mathematical Analysis*, 47(1):669–683, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Gao:2017:GCS**  
Yu Gao and Jian-Guo Liu. Global convergence of a sticky particle method for the modified Camassa–Holm equation. *SIAM Journal on Mathematical Analysis*, 49(2):1267–1294, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Gontier:2019:SSB**  
David Gontier and Mathieu Lewin. Spin symmetry breaking in the translation-invariant Hartree–Fock electron gas. *SIAM Journal on Mathematical Analysis*, 51(4):3388–3423, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Gravina:2019:HOG**  
Giovanni Gravina and Giovanni Leoni. Higher order gamma-limits for singularly perturbed Dirichlet–Neumann problems. *SIAM*



- Journal on Mathematical Analysis*, 51(4):3337–3372, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GLL18]
- Glasner:2017:MED**
- [Gla17] Karl Glasner. Multilayered equilibria in a density functional model of copolymer-solvent mixtures. *SIAM Journal on Mathematical Analysis*, 49(2):1593–1620, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GLS10]
- Glitzky:2013:EMS**
- [Gli13] Annegret Glitzky. An electronic model for solar cells including active interfaces and energy resolved defect densities. *SIAM Journal on Mathematical Analysis*, 44(6):3874–3900, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GLT10]
- Gao:2017:WSC**
- [GLL17] Yuan Gao, Jian-Guo Liu, and Jianfeng Lu. Weak solution of a continuum model for vicinal surface in the attachment-detachment-limited regime. *SIAM Journal on Mathematical Analysis*, 49(3):1705–1731, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GLW17]
- Gao:2018:DRM**
- Yu Gao, Lei Li, and Jian-Guo Liu. A dispersive regularization for the modified Camassa–Holm equation. *SIAM Journal on Mathematical Analysis*, 50(3):2807–2838, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Ghazaryan:2010:STW**
- Anna Ghazaryan, Yuri Latushkin, and Stephen Schecter. Stability of traveling waves for a class of reaction–diffusion systems that arise in chemical reaction models. *SIAM Journal on Mathematical Analysis*, 42(6):2434–2472, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Gunther:2010:SMM**
- [GLT10] Uwe Günther, Heinz Langer, and Christiane Tretter. On the spectrum of the magnetohydrodynamic mean-field  $\alpha^2$ -dynamo operator. *SIAM Journal on Mathematical Analysis*, 42(3):1413–1447, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Guo:2017:LUR**
- Yujin Guo, Changshou Lin, and Juncheng Wei. Local uniqueness and refined

- spike profiles of ground states for two-dimensional attractive Bose–Einstein condensates. *SIAM Journal on Mathematical Analysis*, 49(5): 3671–3715, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GM11]
- [GLY18] A. Ghazaryan, Y. Latushkin, and X. Yang. Stability of a planar front in a class of reaction-diffusion systems. *SIAM Journal on Mathematical Analysis*, 50(5):5569–5615, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GM13]
- [GLZ17] Yixian Gao, Peijun Li, and Bo Zhang. Analysis of transient acoustic-elastic interaction in an unbounded structure. *SIAM Journal on Mathematical Analysis*, 49(5): 3951–3972, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GM14]
- [GM10] Lorenzo Giacomelli and Salvador Moll. Rotationally symmetric 1-harmonic flows from  $D^2$  to  $S^2$ : Local well-posedness and finite time blowup. *SIAM Journal on Mathematical Analysis*, 42(6): 2791–2817, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GM15]
- Gerard:2011:SPS**  
Patrick Gérard and Florian Méhats. The Schrödinger–Poisson system on the sphere. *SIAM Journal on Mathematical Analysis*, 43(3):1232–1268, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1232\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1232_s1).
- Gigli:2013:GHC**  
Nicola Gigli and Jan Maas. Gromov–Hausdorff convergence of discrete transportation metrics. *SIAM Journal on Mathematical Analysis*, 45(2):879–899, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Ghorbel:2014:ENS**  
A. Ghorbel and R. Monneau. Existence and nonexistence of semidiscrete shocks for a car-following model in traffic flow. *SIAM Journal on Mathematical Analysis*, 46(6): 3612–3639, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Gordon:2015:ESS**  
Peter V. Gordon and Cyrill B. Muratov. Eventual self-

similarity of solutions for the diffusion equation with nonlinear absorption and a point source. *SIAM Journal on Mathematical Analysis*, 47(4): 2903–2916, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[GMM13]

**Gallouet:2017:JSS**

[GM17a]

Thomas O. Gallouët and Léonard Monsaingeon. A JKO splitting scheme for Kantorovich–Fisher–Rao gradient flows. *SIAM Journal on Mathematical Analysis*, 49(2): 1100–1130, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[GMP13]

**Gesu:2017:FMA**

[GM17b]

Giacomo Di Gesù and Mauro Mariani. Full metastable asymptotic of the Fisher information. *SIAM Journal on Mathematical Analysis*, 49(4): 3048–3072, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[GMT16]

**Goldman:2017:PSB**

[GM17c]

M. Goldman and B. Merlet. Phase segregation for binary mixtures of Bose–Einstein condensates. *SIAM Journal on Mathematical Analysis*, 49(3):1947–1981, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[GMT19]

**Giacomelli:2013:HFV**

Lorenzo Giacomelli, José M. Mazón, and Salvador Moll. The 1-harmonic flow with values into  $\mathbf{S}^1$ . *SIAM Journal on Mathematical Analysis*, 45(3): 1723–1740, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Germain:2013:NGS**

Pierre Germain, Nader Masmoudi, and Benoit Pausader. Nonneutral global solutions for the electron Euler–Poisson system in three dimensions. *SIAM Journal on Mathematical Analysis*, 45(1):267–278, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Giga:2016:ASS**

Yoshikazu Giga, Hiroyoshi Mitake, and Hung V. Tran. On asymptotic speed of solutions to level-set mean curvature flow equations with driving and source terms. *SIAM Journal on Mathematical Analysis*, 48(5):3515–3546, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Giorgini:2019:URN**

Andrea Giorgini, Alain Miranville, and Roger Temam. Uniqueness and regularity

- for the Navier–Stokes–Cahn–Hilliard system. *SIAM Journal on Mathematical Analysis*, 51(3):2535–2574, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GO18]
- Guarguaglini:2015:GSS**
- [GN15] F. R. Guarguaglini and R. Natalini. Global smooth solutions for a hyperbolic chemotaxis model on a network. *SIAM Journal on Mathematical Analysis*, 47(6):4652–4671, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GP11]
- Grenier:2019:GFO**
- [GN19] Emmanuel Grenier and Toan T. Nguyen. Green function of Orr–Sommerfeld equations away from critical layers. *SIAM Journal on Mathematical Analysis*, 51(2):1279–1296, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GP14]
- Gnann:2015:WPS**
- [Gna15] Manuel V. Gnann. Well-posedness and self-similar asymptotics for a thin-film equation. *SIAM Journal on Mathematical Analysis*, 47(4):2868–2902, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GP15]
- Generau:2018:LVM**
- François Générault and Edouard Oudet. Large volume minimizers of a nonlocal isoperimetric problem: Theoretical and numerical approaches. *SIAM Journal on Mathematical Analysis*, 50(3):3427–3450, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Gustafson:2011:SDD**
- Stephen Gustafson and Tuoc Van Phan. Stable directions for degenerate excited states of nonlinear Schrödinger equations. *SIAM Journal on Mathematical Analysis*, 43(4):1716–1758, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1716\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1716_s1).
- Graf:2014:DSB**
- Isabell Graf and Malte A. Peter. Diffusion on surfaces and the boundary periodic unfolding operator with an application to carcinogenesis in human cells. *SIAM Journal on Mathematical Analysis*, 46(4):3025–3049, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Gomes:2015:TDM**
- Diogo A. Gomes and Edgard Pimentel. Time-dependent

- mean-field games with logarithmic nonlinearities. *SIAM Journal on Mathematical Analysis*, 47(5):3798–3812, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GPPP13]
- [GP18] **Guevara:2018:LSS**  
Cristi Guevara and Nguyen Cong Phuc. Leray’s self-similar solutions to the Navier–Stokes equations with profiles in Marcinkiewicz and Morrey spaces. *SIAM Journal on Mathematical Analysis*, 50(1): 541–556, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GPT19]
- [GP19] **Geyer:2019:LIU**  
Anna Geyer and D. Pelinovsky. Linear instability and uniqueness of the peaked periodic wave in the reduced Ostrovsky equation. *SIAM Journal on Mathematical Analysis*, 51(2):1188–1208, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GR13a]
- [GPI18] **Griffin-Pickering:2018:MFA**  
Megan Griffin-Pickering and Mikaela Iacobelli. A mean field approach to the quasi-neutral limit for the Vlasov–Poisson equation. *SIAM Journal on Mathematical Analysis*, 50(5):5502–5536, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GPP13]
- Giacomin:2013:TAR**  
Giambattista Giacomin, Khashayar Pakdaman, Xavier Pellegrin, and Christophe Poquet. Transitions in active rotator systems: Invariant hyperbolic manifold approach. *SIAM Journal on Mathematical Analysis*, 44(6): 4165–4194, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Gamba:2019:PEW**  
Irene M. Gamba, Natasa Pavlović, and Maja Tasković. On pointwise exponentially weighted estimates for the Boltzmann equation. *SIAM Journal on Mathematical Analysis*, 51(5):3921–3955, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Gianni:2013:MDD**  
Roberto Gianni and Fabio Rosso. Modeling degrading dispersions in a three-dimensional finite container under general boundary conditions. *SIAM Journal on Mathematical Analysis*, 45(4): 2332–2353, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [GR13b] **Gurumoorthy:2013:DTG**  
 Karthik S. Gurumoorthy and Anand Rangarajan. Distance transform gradient density estimation using the stationary phase approximation. *SIAM Journal on Mathematical Analysis*, 44(6):4250–4273, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GR15a] **Gess:2015:SDM**  
 Benjamin Gess and Michael Röckner. Singular-degenerate multivalued stochastic fast diffusion equations. *SIAM Journal on Mathematical Analysis*, 47(5):4058–4090, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GR15b] **Grudsky:2015:STH**  
 Sergei Grudsky and Alexei Rybkin. Soliton theory and Hankel operators. *SIAM Journal on Mathematical Analysis*, 47(3):2283–2323, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Gra19] **Grande:2019:STF**  
 Ricardo Grande. Space-time fractional nonlinear Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 51(5):4172–4212, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Gro10] **Grohs:2010:GPA**  
 Philipp Grohs. A general proximity analysis of nonlinear subdivision schemes. *SIAM Journal on Mathematical Analysis*, 42(2):729–750, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GRT14] **Gourley:2014:UPM**  
 Stephen A. Gourley, Gergely Röst, and Horst R. Thieme. Uniform persistence in a model for bluetongue dynamics. *SIAM Journal on Mathematical Analysis*, 46(2):1160–1184, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GS10a] **Giorgi:2010:GUS**  
 Tiziana Giorgi and Robert G. Smits. Gauge uniqueness of solutions to the Ginzburg–Landau system for small superconducting domains. *SIAM Journal on Mathematical Analysis*, 42(1):163–182, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [GS10b] **Girault:2010:TDT**  
 V. Girault and L. Ridgway Scott. On a time-dependent transport equation in a Lipschitz domain. *SIAM Journal on Mathematical Analysis*, 42(4):1721–1731, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GS12a] **Galvis:2012:RRO**  
 Juan Galvis and Marcus Sarkis. Regularity results for the ordinary product stochastic pressure equation. *SIAM Journal on Mathematical Analysis*, 44(4):2637–2665, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GS12b] **Glass:2012:MRB**  
 Olivier Glass and Franck Sueur. On the motion of a rigid body in a two-dimensional irregular ideal flow. *SIAM Journal on Mathematical Analysis*, 44(5):3101–3126, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GS15a] **Gaudiello:2015:HHO**  
 Antonio Gaudiello and Ali Sili. Homogenization of highly oscillating boundaries with strongly contrasting diffusivity. *SIAM Journal on Mathematical Analysis*, 47(3):1671–1692, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GS15b] **Gu:2015:HSS**  
 Shu Gu and Zhongwei Shen. Homogenization of Stokes systems and uniform regularity estimates. *SIAM Journal on Mathematical Analysis*, 47(5):4025–4057, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GS15c] **Guo:2015:NTZ**  
 Jong-Shenq Guo and Philippe Souplet. No touchdown at zero points of the permittivity profile for the MEMS problem. *SIAM Journal on Mathematical Analysis*, 47(1):614–625, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GS17] **Grandi:2017:FPP**  
 D. Grandi and U. Stefanelli. Finite plasticity in  $P^{\top}P$ . part II: Quasi-static evolution and linearization. *SIAM Journal on Mathematical Analysis*, 49(2):1356–1384, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GS18] **Guillen:2018:NHI**  
 Nestor Guillen and Russell W. Schwab. Neumann

- homogenization via integro-differential Operators. Part 2: Singular gradient dependence. *SIAM Journal on Mathematical Analysis*, 50(2):1679–1719, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GSW16]
- Guerra:2019:VVB**
- [GS19] Graziano Guerra and Wen Shen. Vanishing viscosity and backward Euler approximations for conservation laws with discontinuous flux. *SIAM Journal on Mathematical Analysis*, 51(4):3112–3144, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GSWZ18]
- Gurevich:2013:RDE**
- [GST13] Pavel Gurevich, Roman Shamin, and Sergey Tikhomirov. Reaction-diffusion equations with spatially distributed hysteresis. *SIAM Journal on Mathematical Analysis*, 45(3):1328–1355, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GT10]
- Golovaty:2019:GLT**
- [GSV19] Dmitry Golovaty, Peter Sternberg, and Raghavendra Venkatraman. A Ginzburg–Landau–Type problem for highly anisotropic nematic liquid crystals. *SIAM Journal on Mathematical Analysis*, 51(1):276–320, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Gasser:2016:ECJ]
- Ingenieur Gasser, Peter Szmolyan, and Johannes Wächtler. Existence of Chapman–Jouguet detonation and deflagration waves. *SIAM Journal on Mathematical Analysis*, 48(2):1400–1422, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Guillod:2018:NSE]
- Julien Guillod, Guido Schneider, Peter Wittwer, and Dominik Zimmermann. Nonlinear stability at the Eckhaus boundary. *SIAM Journal on Mathematical Analysis*, 50(5):4699–4720, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Guo:2010:LRT]
- Yan Guo and Ian Tice. Linear Rayleigh–Taylor instability for viscous, compressible fluids. *SIAM Journal on Mathematical Analysis*, 42(4):1688–1720, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Gess:2016:ELL]
- Benjamin Gess and Jonas M. Tölle. Ergodicity and lo-



- cal limits for stochastic local and nonlocal  $p$ -Laplace equations. *SIAM Journal on Mathematical Analysis*, 48(6): 4094–4125, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GV19] **Galiano:2019:WPC**  
Gonzalo Galiano and Julián Velasco. Well-posedness of a cross-diffusion population model with nonlocal diffusion. *SIAM Journal on Mathematical Analysis*, 51(4): 2884–2902, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GVWK16] **Gerard-Varet:2016:BLN**  
David Gérard-Varet and Aneta Wróblewska-Kamińska. Boundary layer for a non-Newtonian flow over a rough surface. *SIAM Journal on Mathematical Analysis*, 48(5): 3123–3147, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GVZ16] **Garcia:2016:DTE**  
Andoni García, Esa V. Vesalainen, and Miren Zubeldia. Discreteness of transmission eigenvalues for higher-order main terms and perturbations. *SIAM Journal on Mathematical Analysis*, 48(4): 2382–2398, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GW13] **Grasselli:2013:LTB**  
Maurizio Grasselli and Hao Wu. Long-time behavior for a hydrodynamic model on nematic liquid crystal flows with asymptotic stabilizing boundary condition and external force. *SIAM Journal on Mathematical Analysis*, 45(3):965–1002, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GW15] **Guilod:2015:GSI**  
Julien Guilod and Peter Wittwer. Generalized scale-invariant solutions to the two-dimensional stationary Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 47(1):955–968, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GW18] **Guidotti:2018:MSD**  
Patrick Guidotti and Christoph Walker. On a model for a sliding droplet: Well-posedness and stability of translating circular solutions. *SIAM Journal on Mathematical Analysis*, 50(2):1656–1678, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [GX17] **Gu:2017:OBE**  
 Shu Gu and Qiang Xu. Optimal boundary estimates for Stokes systems in homogenization theory. *SIAM Journal on Mathematical Analysis*, 49(5):3831–3853, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GZ13]
- [GY16a] **Golgeleyen:2016:SSI**  
 Fikret Gölgeleyen and Masahiro Yamamoto. Stability for some inverse problems for transport equations. *SIAM Journal on Mathematical Analysis*, 48(4):2319–2344, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GY16b] **Guo:2016:EBR**  
 Yan Guo and Xiongfeng Yang. Existence and BV-regularity for neutron transport equation in nonconvex domain. *SIAM Journal on Mathematical Analysis*, 48(5):3467–3495, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GZ14]
- [GYY18] **Giovangigli:2018:RLI**  
 Vincent Giovangigli, Zai-Bao Yang, and Wen-An Yong. Relaxation limit and initial-layers for a class of hyperbolic-parabolic systems. *SIAM Journal on Mathematical Analysis*, 50(4):4655–4697, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GZ18]
- Geng:2013:QPS**  
 Jiansheng Geng and Zhiyan Zhao. Quasi-periodic solutions for one-dimensional nonlinear lattice Schrödinger equation with tangent potential. *SIAM Journal on Mathematical Analysis*, 45(6):3651–3689, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Goldman:2014:SLR**  
 M. Goldman and B. Zwicknagl. Scaling law and reduced models for epitaxially strained crystalline films. *SIAM Journal on Mathematical Analysis*, 46(1):1–24, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Gualdani:2018:GEW**  
 Maria Pia Gualdani and Nicola Zamponi. Global existence of weak even solutions for an isotropic Landau equation with Coulomb potential. *SIAM Journal on Mathematical Analysis*, 50(4):3676–3714, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [Hal12] **Hall:2012:ASA**  
Eric Joseph Hall. Accelerated spatial approximations for time discretized stochastic partial differential equations. *SIAM Journal on Mathematical Analysis*, 44(5):3162–3185, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Hal13] **Hall:2013:HOS**  
Eric Joseph Hall. Higher order spatial approximations for degenerate parabolic stochastic partial differential equations. *SIAM Journal on Mathematical Analysis*, 45(4):2071–2098, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Hal14] **Haltmeier:2014:UIF**  
Markus Haltmeier. Universal inversion formulas for recovering a function from spherical means. *SIAM Journal on Mathematical Analysis*, 46(1):214–232, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Han14] **Hansen:2014:SFS**  
Sönke Hansen. Subsonic free surface waves in linear elasticity. *SIAM Journal on Mathematical Analysis*, 46(4):2501–2524, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Han18] **Hangelbroek:2018:PDP**  
Thomas C. Hangelbroek. On a polyharmonic Dirichlet problem and boundary effects in surface spline approximation. *SIAM Journal on Mathematical Analysis*, 50(4):4616–4654, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Har18] **Harutyunyan:2018:KIS**  
D. Harutyunyan. On the Korn interpolation and second inequalities in thin domains. *SIAM Journal on Mathematical Analysis*, 50(5):4964–4982, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HCHY16] **Huang:2016:GTS**  
Bo-Chih Huang, Shih-Wei Chou, John M. Hong, and Chien-Chang Yen. Global transonic solutions of planetary atmospheres in a hydrodynamic region — hydrodynamic escape problem due to gravity and heat. *SIAM Journal on Mathematical Analysis*, 48(6):4268–4310, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [HD17] **Healey:2017:SBG**  
 Timothy J. Healey and Sanjay Dharmavaram. Symmetry-breaking global bifurcation in a surface continuum phase-field model for lipid bilayer vesicles. *SIAM Journal on Mathematical Analysis*, 49(2):1027–1059, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Hel12] **Helmensdorfer:2012:MBF**  
 Sebastian Helmsdorfer. A model for the behavior of fluid droplets based on mean curvature flow. *SIAM Journal on Mathematical Analysis*, 44(3):1359–1371, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Hen10] **Henry:2010:ASP**  
 David Henry. Analyticity of the streamlines for periodic travelling free surface capillary-gravity water waves with vorticity. *SIAM Journal on Mathematical Analysis*, 42(6):3103–3111, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3103\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3103_s1).
- [HF13] **Han:2013:UUN**  
 Zheng Han and Daoyuan Fang. On the unconditional uniqueness for NLS in  $\dot{H}^s$ . *SIAM Journal on Mathematical Analysis*, 45(3):1505–1526, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HGW14] **He:2014:AGQ**  
 Guoliang He, Xianguo Geng, and Lihua Wu. Algebrogeometric quasi-periodic solutions to the three-wave resonant interaction hierarchy. *SIAM Journal on Mathematical Analysis*, 46(2):1348–1384, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HHK18] **Himonas:2018:CPS**  
 A. Alexandrou Himonas, Curtis Holliman, and Carlos Kenig. Construction of 2-peakon solutions and ill-posedness for the Novikov equation. *SIAM Journal on Mathematical Analysis*, 50(3):2968–3006, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HHMM18] **Haskovec:2018:DEE**  
 Jan Haskovec, Sabine Hittmeir, Peter Markowich, and Alexander Mielke. Decay to equilibrium for energy–reaction–diffusion systems. *SIAM Journal on Mathematical Analysis*, 50(1):1037–1075, 2018. CODEN

SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Hong:2017:GEC**

- [HHPZ17] Guangyi Hong, Xiaofeng Hou, Hongyun Peng, and Changjiang Zhu. Global existence for a class of large solutions to three-dimensional compressible magnetohydrodynamic equations with vacuum. *SIAM Journal on Mathematical Analysis*, 49(4):2409–2441, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [HHR17]

**Hanke:2009:IBP**

- [HHR09] Martin Hanke, Nuutti Hyvönen, and Stefanie Reusswig. An inverse backscatter problem for electric impedance tomography. *SIAM Journal on Mathematical Analysis*, 41(5):1948–1966, 2009. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [HHR11]. [HI12]

**Hanke:2011:EIB**

- [HHR11] Martin Hanke, Nuutti Hyvönen, and Stefanie Reusswig. Erratum: An inverse backscatter problem for electric impedance tomography. *SIAM Journal on Mathematical Analysis*, 43(3):1495–1497, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1495\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1495_s1). See [HHR09]. [HI19]

[siam.org/sima/resource/1/sjmaah/v43/i3/p1495\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1495_s1). See [HHR09].

**Holding:2017:CAM**

Thomas Holding, Harsha Hutridurga, and Jeffrey Rauch. Convergence along mean flows. *SIAM Journal on Mathematical Analysis*, 49(1):222–271, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Hunter:2012:ELS**

John K. Hunter and Michaela Ifrim. Enhanced life span of smooth solutions of a Burgers–Hilbert equation. *SIAM Journal on Mathematical Analysis*, 44(3):2039–2052, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Hisa:2019:SHE**

Kotaro Hisa and Kazuhiro Ishige. Solvability of the heat equation with a nonlinear boundary condition. *SIAM Journal on Mathematical Analysis*, 51(1):565–594, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Hittmeir:2011:CDP**

Sabine Hittmeir and Ansgar Jüngel. Cross diffusion preventing blow-up in the

- two-dimensional Keller–Segel model. *SIAM Journal on Mathematical Analysis*, 43(2): 997–1022, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p997\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p997_s1). See corrigendum [BCJ20].
- [HJ15] Vera Mikyoung Hur and Mathew A. Johnson. Stability of periodic traveling waves for nonlinear dispersive equations. *SIAM Journal on Mathematical Analysis*, 47(5): 3528–3554, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HJJ18] Hyung Ju Hwang, Juhi Jang, and Jaewoo Jung. The Fokker–Planck equation with absorbing boundary conditions in bounded domains. *SIAM Journal on Mathematical Analysis*, 50(2):2194–2232, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HK10] Daniel Han-Kwan. On the confinement of a Tokamak plasma. *SIAM Journal on Mathematical Analysis*, 42(6): 2337–2367, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HK15] Christian Heinemann and Christiane Kraus. Existence of weak solutions for a hyperbolic-parabolic phase field system with mixed boundary conditions on non-smooth domains. *SIAM Journal on Mathematical Analysis*, 47(3):2044–2073, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HKK13] Helge Holden, Kenneth H. Karlsen, and Trygve K. Karper. Operator splitting for well-posed active scalar equations. *SIAM Journal on Mathematical Analysis*, 45(1): 152–180, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HKK15] Seung-Yeal Ha, Moon-Jin Kang, and Bongsuk Kwon. Emergent dynamics for the hydrodynamic Cucker–Smale system in a moving domain. *SIAM Journal on Mathematical Analysis*, 47(5):3813–3831, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Hur:2015:SPT****Heinemann:2015:EWS****Holden:2013:OSW****Hwang:2018:FPE****Ha:2015:EDH****Han-Kwan:2010:CTP**

- [HKK17] **Hoffmann:2017:EUG** Joachim Hoffmann, Serge Kräutle, and Peter Knabner. Existence and uniqueness of a global solution for reactive transport with mineral precipitation–dissolution and aquatic reactions in porous media. *SIAM Journal on Mathematical Analysis*, 49(6):4812–4837, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HKN16] **Han-Kwan:2016:NIV** Daniel Han-Kwan and Toan T. Nguyen. Nonlinear instability of Vlasov–Maxwell systems in the classical and quasineutral limits. *SIAM Journal on Mathematical Analysis*, 48(5):3444–3466, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HKOP10] **Hitrik:2010:TEO** Michael Hitrik, Katsiaryna Krupchyk, Petri Ola, and Lassi Päiväranta. Transmission eigenvalues for operators with constant coefficients. *SIAM Journal on Mathematical Analysis*, 42(6):2965–2986, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2965\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2965_s1).
- [HKOP11] **Hitrik:2011:TEE** Michael Hitrik, Katsiaryna Krupchyk, Petri Ola, and Lassi Päiväranta. Transmission eigenvalues for elliptic operators. *SIAM Journal on Mathematical Analysis*, 43(6):2630–2639, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2630\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2630_s1).
- [HKR18] **Ha:2018:EBT** Seung-Yeal Ha, Jeongho Kim, and Tommaso Ruggeri. Emergent behaviors of thermodynamic Cucker–Smale particles. *SIAM Journal on Mathematical Analysis*, 50(3):3092–3121, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HKT18] **Holmes:2018:NDI** John Holmes, Barbara Keyfitz, and Feride Tiglay. Nonuniform dependence on initial data for compressible gas dynamics: The Cauchy problem on  $\mathbf{R}^2$ . *SIAM Journal on Mathematical Analysis*, 50(1):1237–1254, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HL11] **Haddar:2011:EWS** Housseem Haddar and Armin Lechleiter. Electromagnetic

- wave scattering from rough penetrable layers. *SIAM Journal on Mathematical Analysis*, 43(5):2418–2443, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2418\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2418_s1). [HL19b]
- Hao:2012:WPM**
- [HL12] Chengchun Hao and Hai-Liang Li. Well-posedness for a multidimensional viscous liquid-gas two-phase flow model. *SIAM Journal on Mathematical Analysis*, 44(3):1304–1332, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Hsieh:2015:EDE**
- [HL15] Chia-Yu Hsieh and Tai-Chia Lin. Exponential decay estimates for the stability of boundary layer solutions to Poisson–Nernst–Planck systems: One spatial dimension case. *SIAM Journal on Mathematical Analysis*, 47(5):3442–3465, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Harrach:2019:MBI**
- [HL19a] Bastian Harrach and Yi-Hsuan Lin. Monotonicity-based inversion of the fractional Schrödinger equation I. Positive potentials. *SIAM Journal on Mathematical Analysis*, 51(4):3092–3111, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Hynd:2019:LRH**
- Ryan Hynd and Erik Lindgren. Lipschitz regularity for a homogeneous doubly nonlinear PDE. *SIAM Journal on Mathematical Analysis*, 51(4):3606–3624, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Hsu:2014:NPC**
- [HLGMMM14] S. B. Hsu, J. López-Gómez, L. Mei, and M. Molina-Meyer. A nonlocal problem from conservation biology. *SIAM Journal on Mathematical Analysis*, 46(6):4035–4059, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Hickman:2019:HDV**
- [HLR+19] Jonathan Hickman, Felipe Linares, Oscar G. Riaño, Keith M. Rogers, and James Wright. On a higher dimensional version of the Benjamin–Ono equation. *SIAM Journal on Mathematical Analysis*, 51(6):4544–4569, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).



- [HLW12] **Huang:2012:ZDL** [HM12a] Feimin Huang, Mingjie Li, and Yi Wang. Zero dissipation limit to rarefaction wave with vacuum for one-dimensional compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 44(3): 1742–1759, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HLWW18] **Hou:2018:SBL** [HM12b] Qianqian Hou, Cheng-Jie Liu, Ya-Guang Wang, and Zhian Wang. Stability of boundary layers for a viscous hyperbolic system arising from chemotaxis: One-dimensional case. *SIAM Journal on Mathematical Analysis*, 50(3): 3058–3091, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HLX11] **Huang:2011:STC** [HM13] Xiangdi Huang, Jing Li, and Zhouping Xin. Serrin-type criterion for the three-dimensional viscous compressible flows. *SIAM Journal on Mathematical Analysis*, 43(4): 1872–1886, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1872\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1872_s1).
- Haines:2012:PEE** Brian M. Haines and Anna L. Mazzucato. A proof of Einstein’s effective viscosity for a dilute suspension of spheres. *SIAM Journal on Mathematical Analysis*, 44(3): 2120–2145, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Henao:2012:SUG** Duvan Henao and Apala Majumdar. Symmetry of uniaxial global Landau–de Gennes minimizers in the theory of nematic liquid crystals. *SIAM Journal on Mathematical Analysis*, 44(5):3217–3241, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See corrigendum [HM13].
- Henao:2013:CSU** Duvan Henao and Apala Majumdar. Corrigendum: Symmetry of Uniaxial Global Landau–de Gennes Minimizers in the Theory of Nematic Liquid Crystals. *SIAM Journal on Mathematical Analysis*, 45(6):3872–3874, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [HM12b].
- Hoell:2014:CDI** [HMN14] Nicholas Hoell, Amir Moradifam, and Adrian Nachman.

- Current density impedance imaging of an anisotropic conductivity in a known conformal class. *SIAM Journal on Mathematical Analysis*, 46(3): 1820–1842, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HMS14] Weimin Han, Stanisław Migórski, and Mircea Sofonea. A class of variational-hemivariational inequalities with applications to frictional contact problems. *SIAM Journal on Mathematical Analysis*, 46(6): 3891–3912, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HMSZ13] Michael Herrmann, Karsten Matthies, Hartmut Schwetlick, and Johannes Zimmer. Subsonic phase transition waves in bistable lattice models with small spinodal region. *SIAM Journal on Mathematical Analysis*, 45(5):2625–2645, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HMW11] Feimin Huang, Ming Mei, and Yong Wang. Large time behavior of solutions to  $n$ -dimensional bipolar hydrodynamic models for semiconductors. *SIAM Journal on Mathematical Analysis*, 43(4): 1595–1630, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1595\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1595_s1).
- [HMW12] Feimin Huang, Ming Mei, Yong Wang, and Tong Yang. Long-time behavior of solutions to the bipolar hydrodynamic model of semiconductors with boundary effect. *SIAM Journal on Mathematical Analysis*, 44(2):1134–1164, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HMZ15] Bin Han, Qun Mo, and Zhenpeng Zhao. Compactly supported tensor product complex tight framelets with di-

**Han:2014:CVH**

[HMWY11]

**Huang:2011:ACS****Herrmann:2013:SPT**

[HMWY12]

**Huang:2012:LTB****Huang:2011:LTB****Han:2015:CST**

- rectionality. *SIAM Journal on Mathematical Analysis*, 47(3): 2464–2494, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [HNSW11]
- Hulshof:2013:ESD**
- [HNP13] J. Hulshof, R. Nolet, and G. Prokert. Existence of solutions to the diffusive VSC model. *SIAM Journal on Mathematical Analysis*, 45(2): 700–727, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Hoang:2015:GEG**
- [HNP15] Luan T. Hoang, Truyen V. Nguyen, and Tuoc V. Phan. Gradient estimates and global existence of smooth solutions to a cross-diffusion system. *SIAM Journal on Mathematical Analysis*, 47(3):2122–2177, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Hadzic:2017:LWP**
- [HNS17] Mahir Hadžić, Gustavo Navarro, and Steve Shkoller. Local well-posedness and global stability of the two-phase Stefan problem. *SIAM Journal on Mathematical Analysis*, 49(6): 4942–5006, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Hof12]
- Hangelbroek:2011:KAM**
- T. Hangelbroek, F. J. Narcowich, X. Sun, and J. D. Ward. Kernel approximation on manifolds II: The  $L_\infty$  norm of the  $L_2$  projector. *SIAM Journal on Mathematical Analysis*, 43(2): 662–684, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p662\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p662_s1).
- Hangelbroek:2010:KAM**
- [HNW10] T. Hangelbroek, F. J. Narcowich, and J. D. Ward. Kernel approximation on manifolds I: Bounding the Lebesgue constant. *SIAM Journal on Mathematical Analysis*, 42(4):1732–1760, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Hudson:2015:ASS**
- [HO15] T. Hudson and C. Ortner. Analysis of stable screw dislocation configurations in an antiplane lattice model. *SIAM Journal on Mathematical Analysis*, 47(1): 291–320, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Hoff:2012:LSC**
- David Hoff. Local solutions of a compressible flow

- problem with Navier boundary conditions in general three-dimensional domains. *SIAM Journal on Mathematical Analysis*, 44(2):633–650, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p633\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p633_s1). [HR10]
- [Höf18] Richard M. Höfer. The inertialess limit of particle sedimentation modeled by the Vlasov–Stokes equations. *SIAM Journal on Mathematical Analysis*, 50(5):5446–5476, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HPS12] Nuutti Hyvönen, Petteri Piiroinen, and Otto Seiskari. Point measurements for a Neumann-to–Dirichlet map and the Calderón problem in the plane. *SIAM Journal on Mathematical Analysis*, 44(5):3526–3536, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HPS19] Bastian Harrach, Valter Pohjola, and Mikko Salo. Dimension bounds in monotonicity methods for the Helmholtz equation. *SIAM Journal on Mathematical Analysis*, 51(4):2995–3019, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Herrmann:2010:HTW**
- Michael Herrmann and Jens D. M. Rademacher. Heteroclinic travelling waves in convex FPU-type chains. *SIAM Journal on Mathematical Analysis*, 42(4):1483–1504, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Hur:2012:HPV**
- Youngmi Hur and Amos Ron. High-performance very local Riesz wavelet bases of  $L_2(\mathbf{R}^n)$ . *SIAM Journal on Mathematical Analysis*, 44(4):2237–2265, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Hamel:2015:AST**
- François Hamel and Luca Rossi. Admissible speeds of transition fronts for nonautonomous monostable equations. *SIAM Journal on Mathematical Analysis*, 47(5):3342–3392, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Hofer:2018:ILP**
- Hyvonen:2012:PMN**
- Harrach:2019:DBM**

- [HR19] **Holden:2019:MDM**  
 Helge Holden and Nils Henrik Risebro. Models for dense multilane vehicular traffic. *SIAM Journal on Mathematical Analysis*, 51(5):3694–3713, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HS10a] **Hamel:2010:SSS**  
 François Hamel and Yannick Sire. Spreading speeds for some reaction–diffusion equations with general initial conditions. *SIAM Journal on Mathematical Analysis*, 42(6):2872–2911, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2872\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2872_s1).
- [HS10b] **Harrach:2010:ESR**  
 Bastian Harrach and Jin Keun Seo. Exact shape-reconstruction by one-step linearization in electrical impedance tomography. *SIAM Journal on Mathematical Analysis*, 42(4):1505–1518, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HS10c] **Harrell:2010:UBS**  
 Evans M. Harrell II and Joachim Stubbe. Universal bounds and semiclassical estimates for eigenvalues of abstract Schrödinger operators. *SIAM Journal on Mathematical Analysis*, 42(5):2261–2274, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HS13] **Hoang:2013:STG**  
 Viet Ha Hoang and Christoph Schwab. Sparse tensor Galerkin discretization of parametric and random parabolic PDEs — analytic regularity and generalized polynomial chaos approximation. *SIAM Journal on Mathematical Analysis*, 45(5):3050–3083, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HS14] **Holzer:2014:AFT**  
 Matt Holzer and Arnd Scheel. Accelerated fronts in a two-stage invasion process. *SIAM Journal on Mathematical Analysis*, 46(1):397–427, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HS16] **Heinemann:2016:SOC**  
 Christian Heinemann and Kevin Sturm. Shape optimization for a class of semilinear variational inequalities with applications to damage models. *SIAM Journal on Mathematical Analysis*, 48(5):3579–3617, 2016. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

**Holland:2018:PVE**

[HS18]

Eleanor Holland and R. E. Showalter. Poro-visco-elastic compaction in sedimentary basins. *SIAM Journal on Mathematical Analysis*, 50(2):2295–2316, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Hening:2019:PPS**

[HS19]

Alexandru Hening and Edouard Strickler. On a predator-prey system with random switching that never converges to its equilibrium. *SIAM Journal on Mathematical Analysis*, 51(5):3625–3640, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Hakkaev:2017:PTW**

[HSS17]

Sevdzhan Hakkaev, Milena Stanislavova, and Atanas Stefanov. Periodic traveling waves of the regularized short pulse and Ostrovsky equations: Existence and stability. *SIAM Journal on Mathematical Analysis*, 49(1):674–698, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Hu:2016:SII**

[HSV16]

Guanghai Hu, Mikko Salo, and Esa V. Vesalainen.

Shape identification in inverse medium scattering problems with a single far-field pattern. *SIAM Journal on Mathematical Analysis*, 48(1):152–165, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Hardin:2017:GPC**

[HSV17]

D. P. Hardin, E. B. Saff, and O. V. Vlasniuk. Generating point configurations via hypersingular Riesz energy with an external field. *SIAM Journal on Mathematical Analysis*, 49(1):646–673, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Huang:2017:SSG**

[HT17]

Feimin Huang and Wenke Tan. On the strong solution of the ghost effect system. *SIAM Journal on Mathematical Analysis*, 49(5):3496–3526, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Hur:2018:WBS**

[HT18]

Vera Mikyoung Hur and Lizheng Tao. Wave breaking in a shallow water model. *SIAM Journal on Mathematical Analysis*, 50(1):354–380, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [HTW18] **Howell:2018:CEB**  
 Jason S. Howell, Daniel Toundykov, and Justin T. Webster. A cantilevered extensible beam in axial flow: Semigroup well-posedness and postflutter regimes. *SIAM Journal on Mathematical Analysis*, 50(2):2048–2085, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HTX15] **Hong:2015:UUC**  
 Younghun Hong, Kenneth Taliaferro, and Zhihui Xie. Unconditional uniqueness of the cubic Gross–Pitaevskii hierarchy with low regularity. *SIAM Journal on Mathematical Analysis*, 47(5):3314–3341, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HU13] **Harrach:2013:MBS**  
 Bastian Harrach and Marcel Ullrich. Monotonicity-based shape reconstruction in electrical impedance tomography. *SIAM Journal on Mathematical Analysis*, 45(6):3382–3403, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HV13] **Hupkes:2013:NDT**  
 H. J. Hupkes and E. S. Van Vleck. Negative diffusion and traveling waves in high dimensional lattice systems. *SIAM Journal on Mathematical Analysis*, 45(3):1068–1135, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HW11] **Hofer:2011:DMH**  
 M. A. Hofer and M. I. Weinstein. Defect modes and homogenization of periodic Schrödinger operators. *SIAM Journal on Mathematical Analysis*, 43(2):971–996, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p971\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p971_s1).
- [HW13a] **Hu:2013:GEO**  
 Xianpeng Hu and Guochun Wu. Global existence and optimal decay rates for three-dimensional compressible viscoelastic flows. *SIAM Journal on Mathematical Analysis*, 45(5):2815–2833, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HW13b] **Hu:2013:GST**  
 Xianpeng Hu and Hao Wu. Global solution to the three-dimensional compressible flow of liquid crystals. *SIAM Journal on Mathematical Analysis*, 45(5):2678–2699, 2013. CODEN SJMAAH. ISSN

- 0036-1410 (print), 1095-7154 (electronic).
- [HWZ12] **Huang:2014:GSS** Xiangdi Huang and Yun Wang. Global strong solution with vacuum to the two dimensional density-dependent Navier–Stokes system. *SIAM Journal on Mathematical Analysis*, 46(3):1771–1788, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HW14] **Hong:2017:SSS** Hakho Hong and Teng Wang. Stability of stationary solutions to the inflow problem for full compressible Navier–Stokes equations with a large initial perturbation. *SIAM Journal on Mathematical Analysis*, 49(3):2138–2166, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HWZY13] **Huang:2013:LBE** Feimin Huang, Yi Wang, Yong Wang, and Tong Yang. The limit of the Boltzmann equation to the Euler equations for Riemann problems. *SIAM Journal on Mathematical Analysis*, 45(3):1741–1811, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Hu:2012:EPG] Qingwen Hu, Jianhong Wu, and Xingfu Zou. Estimates of periods and global continua of periodic solutions for state-dependent delay equations. *SIAM Journal on Mathematical Analysis*, 44(4):2401–2427, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [He:2010:GWP] Lingbing He and Li Xu. Global well-posedness for viscoelastic fluid system in bounded domains. *SIAM Journal on Mathematical Analysis*, 42(6):2610–2625, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ha:2014:USP] Seung-Yeal Ha and Qinghua Xiao. Uniform stability and the propagation of regularity for the relativistic Boltzmann equation. *SIAM Journal on Mathematical Analysis*, 46(1):165–191, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Hong:2013:RSF] Jiaxing Hong and Ge Yang. On the regularity of solutions to FENE models. *SIAM Journal on Mathematical Analysis*,



- 45(4):2228–2252, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Hyn19]
- [HY14] Lingbing He and Xiongfeng Yang. Well-posedness and asymptotics of grazing collisions limit of Boltzmann equation with Coulomb interaction. *SIAM Journal on Mathematical Analysis*, 46(6): 4104–4165, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [He:2014:WPA]
- [HY19] Younghun Hong and Changhun Yang. Strong convergence for discrete nonlinear Schrödinger equations in the continuum limit. *SIAM Journal on Mathematical Analysis*, 51(2): 1297–1320, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Hong:2019:SCD]
- [Hyn13] Ryan Hynd. Partial regularity of weak solutions of the viscoelastic Navier–Stokes equations with damping. *SIAM Journal on Mathematical Analysis*, 45(2):495–517, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Hynd:2013:PRW]
- [Hyn19] Ryan Hynd. Lagrangian coordinates for the sticky particle system. *SIAM Journal on Mathematical Analysis*, 51(5): 3769–3795, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Hynd:2019:LCS]
- [HZ10] Bin Han and Xiaosheng Zhuang. Matrix extension with symmetry and its application to symmetric orthonormal multiwavelets. *SIAM Journal on Mathematical Analysis*, 42(5):2297–2317, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Han:2010:MES]
- [HZ19] Dian Hu and Yongqian Zhang. Global conic shock wave for the steady supersonic flow past a curved cone. *SIAM Journal on Mathematical Analysis*, 51(3):2372–2389, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Hu:2019:GCS]
- [HZFQ13] Yu Hou, Peng Zhao, Engui Fan, and Zhijun Qiao. Algebro-geometric solutions for the Degasperis–Procesi hierarchy. *SIAM Journal on Mathematical Analysis*, 45(3):

- 1216–1266, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Igb12] **Igbida:2012:PIE**  
 Noureddine Igbida. A partial integrodifferential equation in granular matter and its connection with a stochastic model. *SIAM Journal on Mathematical Analysis*, 44(3):1950–1975, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Igb17] **Igbida:2017:MCS**  
 Noureddine Igbida. Metric character for the sub-Hamilton–Jacobi obstacle equation. *SIAM Journal on Mathematical Analysis*, 49(4):3143–3160, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ign10] **Ignat:2010:SES**  
 Liviu I. Ignat. Strichartz estimates for the Schrödinger equation on a tree and applications. *SIAM Journal on Mathematical Analysis*, 42(5):2041–2057, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [IISD15] **Ignat:2015:CTA**  
 Liviu I. Ignat, Tatiana I. Ignat, and Denisa Stancu-Dumitru. A compactness tool for the analysis of non-local evolution equations. *SIAM Journal on Mathematical Analysis*, 47(2):1330–1354, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [IK11] **Ibrahim:2011:GSS**  
 Slim Ibrahim and Sahbi Keraani. Global small solutions for the Navier–Stokes–Maxwell system. *SIAM Journal on Mathematical Analysis*, 43(5):2275–2295, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2275\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2275_s1).
- [IKM17] **Ishige:2017:AES**  
 Kazuhiro Ishige, Tatsuki Kawakami, and Hironori Michihisa. Asymptotic expansions of solutions of fractional diffusion equations. *SIAM Journal on Mathematical Analysis*, 49(3):2167–2190, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [IKS12] **Ioannidis:2012:WPM**  
 Andreas D. Ioannidis, Gerhard Kristensson, and Ioannis G. Stratis. On the well-posedness of the Maxwell system for linear bianisotropic media. *SIAM Journal on*

- [ILR17] *Mathematical Analysis*, 44(4): 2459–2473, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ilm16] **Ilmavirta:2016:CQT**  
Joonas Ilmavirta. Coherent quantum tomography. *SIAM Journal on Mathematical Analysis*, 48(5):3039–3064, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ILN11] **Iida:2011:SFC**  
Masato Iida, Roger Lui, and Hirokazu Ninomiya. Stacked fronts for cooperative systems with equal diffusion coefficients. *SIAM Journal on Mathematical Analysis*, 43(3): 1369–1389, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1369\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1369_s1).
- [ILP16] **Isaza:2016:PRS**  
Pedro Isaza, Felipe Linares, and Gustavo Ponce. On the propagation of regularity of solutions of the Kadomtsev–Petviashvili equation. *SIAM Journal on Mathematical Analysis*, 48(2):1006–1024, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ianni:2017:CPB] Isabella Ianni, Stefan Le Coz, and Julien Royer. On the Cauchy problem and the black solitons of a singularly perturbed Gross–Pitaevskii equation. *SIAM Journal on Mathematical Analysis*, 49(2): 1060–1099, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ILW16] **Isakov:2016:ISC**  
Victor Isakov, Ru-Yu Lai, and Jenn-Nan Wang. Increasing stability for the conductivity and attenuation coefficients. *SIAM Journal on Mathematical Analysis*, 48(1): 569–594, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [IM10] **Ibrahim:2010:RCP**  
H. Ibrahim and R. Monneau. On the rate of convergence in periodic homogenization of scalar first-order ordinary differential equations. *SIAM Journal on Mathematical Analysis*, 42(5):2155–2176, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [IM18] **Iglesias:2018:LTE**  
Susely Figueroa Iglesias and Sepideh Mirrahimi. Long time evolutionary dynamics of phe-

- notypically structured populations in time-periodic environments. *SIAM Journal on Mathematical Analysis*, 50(5): 5537–5568, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [IO16]
- [IN13] M. I. Isaev and R. G. Novikov. New global stability estimates for monochromatic inverse acoustic scattering. *SIAM Journal on Mathematical Analysis*, 45(3): 1495–1504, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [IS13]
- [INRZ10] Gautam Iyer, Alexei Novikov, Lenya Ryzhik, and Andrej Zlatoš. Exit times of diffusions with incompressible drift. *SIAM Journal on Mathematical Analysis*, 42(6): 2484–2498, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [IT15]
- [INSZ14] Radu Ignat, Luc Nguyen, Valeriy Slastikov, and Arghir Zarnescu. Uniqueness results for an ODE related to a generalized Ginzburg–Landau model for liquid crystals. *SIAM Journal on Mathematical Analysis*, 46(5):3390–3425, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Iwaniec:2016:SDW**
- Tadeusz Iwaniec and Jani Onninen. Smoothing defected welds and hairline cracks. *SIAM Journal on Mathematical Analysis*, 48(1): 281–301, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Ichihara:2013:LTB**
- Naoyuki Ichihara and Shuenn-Jyi Sheu. Large time behavior of solutions of Hamilton–Jacobi–Bellman equations with quadratic nonlinearity in gradients. *SIAM Journal on Mathematical Analysis*, 45(1): 279–306, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Inglis:2015:MFL**
- J. Inglis and D. Talay. Mean-field limit of a stochastic particle system smoothly interacting through threshold hitting-times and applications to neural networks with dendritic component. *SIAM Journal on Mathematical Analysis*, 47(5):3884–3916, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Isaev:2013:NGS**
- Iyer:2010:ETD**
- Ignat:2014:URO**

- [Ito18] **Ito:2018:AMT**  
 Ryo Ito. Analysis of the minimal traveling wave speed via the methods of Young measures. *SIAM Journal on Mathematical Analysis*, 50(4): 3478–3534, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [IY12] **Imanuvilov:2012:IBV**  
 O. Yu. Imanuvilov and M. Yamamoto. Inverse boundary value problem for Schrödinger equation in two dimensions. *SIAM Journal on Mathematical Analysis*, 44(3):1333–1339, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Iye19] **Iyer:2019:SPL**  
 Sameer Iyer. Steady Prandtl layers over a moving boundary: Nonshear Euler flows. *SIAM Journal on Mathematical Analysis*, 51(3):1657–1695, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JH18] **Jiaqi:2018:SNN**  
 Yang Jiaqi and Yin Huicheng. On the steady non-Newtonian fluids in domains with non-compact boundaries. *SIAM Journal on Mathematical Analysis*, 50(1):283–338, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JHN12] **Jerez-Hanckes:2012:EVF**  
 Carlos Jerez-Hanckes and Jean-Claude Nédélec. Explicit variational forms for the inverses of integral logarithmic operators over an interval. *SIAM Journal on Mathematical Analysis*, 44(4): 2666–2694, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Jia12] **Jiang:2012:SPG**  
 Jin-Cheng Jiang. Smoothing property of the gain term of the Boltzmann collision operator. *SIAM Journal on Mathematical Analysis*, 44(3): 1522–1543, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Jia19] **Jiang:2019:ESE**  
 Jie Jiang. Eventual smoothness and exponential stabilization of global weak solutions to some chemotaxis systems. *SIAM Journal on Mathematical Analysis*, 51(6): 4604–4644, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JJ18] **Jiang:2018:SEM**  
 Fei Jiang and Song Jiang. On the stabilizing effect of the

- magnetic fields in the magnetic Rayleigh–Taylor problem. *SIAM Journal on Mathematical Analysis*, 50(1):491–540, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JLL10] **Jiang:2010:ILC**  
Song Jiang, Qiangchang Ju, and Fucal Li. Incompressible limit of the compressible magnetohydrodynamic equations with vanishing viscosity coefficients. *SIAM Journal on Mathematical Analysis*, 42(6):2539–2553, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JLL16] **Jiang:2016:ILN**  
Song Jiang, Qiangchang Ju, and Fucal Li. Incompressible limit of the nonisentropic ideal magnetohydrodynamic equations. *SIAM Journal on Mathematical Analysis*, 48(1):302–319, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JLN13] **Jessle:2013:NSF**  
Didier Jesslé, Bum Ja Jin, and Antonín Novotný. Navier–Stokes–Fourier system on unbounded domains: Weak solutions, relative entropies, weak-strong uniqueness. *SIAM Journal on Mathematical Analysis*, 45(3):1907–1951, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JK10] **Jenssen:2010:ODC**  
Helge Kristian Jenssen and Trygve Klovning Karper. One-dimensional compressible flow with temperature dependent transport coefficients. *SIAM Journal on Mathematical Analysis*, 42(2):904–930, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JL19] **Jiang:2019:WPE**  
Ning Jiang and Yi-Long Luo. On well-posedness of Ericksen–Leslie’s hyperbolic incompressible liquid crystal model. *SIAM Journal on Mathematical Analysis*, 51(1):403–434, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JLL13] **Ju:2013:ALF**  
Qiangchang Ju, Fucal Li, and Yong Li. Asymptotic limits of the full compressible magnetohydrodynamic equations. *SIAM Journal on Mathematical Analysis*, 45(5):2597–2624, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [JLX15] **Jiang:2015:NLC**  
 Song Jiang, Fucui Li, and Feng Xie. Nonrelativistic limit of the compressible Navier–Stokes–Fourier–P1 approximation model arising in radiation hydrodynamics. *SIAM Journal on Mathematical Analysis*, 47(5):3726–3746, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JLZ18] **Jiang:2018:GCS**  
 Ning Jiang, Yanan Liu, and Teng-Fei Zhang. Global classical solutions to a compressible model for micro-macro polymeric fluids near equilibrium. *SIAM Journal on Mathematical Analysis*, 50(4):4149–4179, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JM12] **Jang:2012:DOL**  
 Juhi Jang and Nader Masmoudi. Derivation of Ohm’s Law from the kinetic equations. *SIAM Journal on Mathematical Analysis*, 44(5):3649–3669, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JMN11] **Jager:2011:HLM**  
 Willi Jäger, Andro Mikelić, and Maria Neuss-Radu. Homogenization limit of a model system for interaction of flow, chemical reactions, and mechanics in cell tissues. *SIAM Journal on Mathematical Analysis*, 43(3):1390–1435, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1390\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1390_s1).
- [JMWZ14] **Jiu:2014:TDI**  
 Quansen Jiu, Changxing Miao, Jiahong Wu, and Zhifei Zhang. The two-dimensional incompressible Boussinesq equations with general critical dissipation. *SIAM Journal on Mathematical Analysis*, 46(5):3426–3454, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JMZ18] **Jungel:2018:EAS**  
 Ansgar Jüngel, Jiri Mikyska, and Nicola Zamponi. Existence analysis of a single-phase flow mixture with van der Waals pressure. *SIAM Journal on Mathematical Analysis*, 50(1):1367–1395, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Joh13] **Johnson:2013:SSP**  
 Mathew A. Johnson. Stability of small periodic waves in fractional KdV-type equations. *SIAM Journal on*

- Mathematical Analysis*, 45(5): 3168–3193, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [JS14]
- Jurak:2019:TPT**
- [JRK19] Mladen Jurak, Ivana Radisić, and Ana Zgaljić Keko. Two-phase two-component flow in porous media in low solubility regime. *SIAM Journal on Mathematical Analysis*, 51(3): 2019–2052, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Jia:2013:MID**
- [JS13a] Hao Jia and Vladimír Sverák. Minimal  $L^3$ -initial data for potential Navier–Stokes singularities. *SIAM Journal on Mathematical Analysis*, 45(3): 1448–1459, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Jungel:2013:EAM**
- [JS13b] Ansgar Jüngel and Ines Viktoria Stelzer. Existence analysis of Maxwell–Stefan systems for multicomponent mixtures. *SIAM Journal on Mathematical Analysis*, 45(4): 2421–2440, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Jün10]
- Jesenko:2014:CCR**
- Martin Jesenko and Bernd Schmidt. Closure and commutability results for  $\Gamma$ -limits and the geometric linearization and homogenization of multiwell energy functionals. *SIAM Journal on Mathematical Analysis*, 46(4):2525–2553, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Jung:2013:SPB**
- [JT13] Chang-Yeol Jung and Roger Temam. Singular perturbations and boundary layer theory for convection-diffusion equations in a circle: The generic noncompatible case. *SIAM Journal on Mathematical Analysis*, 44(6):4274–4296, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Jang:2016:CVS**
- [JTW16] Juhi Jang, Ian Tice, and Yanjin Wang. The compressible viscous surface-internal wave problem: Local well-posedness. *SIAM Journal on Mathematical Analysis*, 48(4): 2602–2673, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Jungel:2010:GWS**
- Ansgar Jüngel. Global weak solutions to compressible



- Navier–Stokes equations for quantum fluids. *SIAM Journal on Mathematical Analysis*, 42(3):1025–1045, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [JXZ16]
- [Jun14] Stéphane Junca. High frequency waves and the maximal smoothing effect for nonlinear scalar conservation laws. *SIAM Journal on Mathematical Analysis*, 46(3):2160–2184, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Junca:2014:HFW**
- [JWX13] Quansen Jiu, Yi Wang, and Zhouping Xin. Vacuum behaviors around rarefaction waves to 1D compressible Navier–Stokes equations with density-dependent viscosity. *SIAM Journal on Mathematical Analysis*, 45(5):3194–3228, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Jiu:2013:VBA**
- [JX15] Ning Jiang and Linjie Xiong. Diffusive limit of the Boltzmann equation with fluid initial layer in the periodic domain. *SIAM Journal on Mathematical Analysis*, 47(3):1747–1777, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Jiang:2015:DLB**
- [JXZ16] Ning Jiang, Linjie Xiong, and Teng-Fei Zhang. Hydrodynamic limits of the kinetic self-organized models. *SIAM Journal on Mathematical Analysis*, 48(5):3383–3411, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Jiang:2016:HLK**
- [JZ10] Mathew A. Johnson and Kevin Zumbrun. Transverse instability of periodic traveling waves in the generalized Kadomtsev–Petviashvili equation. *SIAM Journal on Mathematical Analysis*, 42(6):2681–2702, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Johnson:2010:TIP**
- [JZ18] Shi Jin and Yuhua Zhu. Hypocoercivity and uniform regularity for the Vlasov–Poisson–Fokker–Planck system with uncertainty and multiple scales. *SIAM Journal on Mathematical Analysis*, 50(2):1790–1816, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Jin:2018:HUR**

- [JZ19] **Jiang:2019:BEI**  
 Ning Jiang and Xu Zhang. The Boltzmann equation with incoming boundary condition: Global solutions and Navier–Stokes limit. *SIAM Journal on Mathematical Analysis*, 51(3):2504–2534, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JZN11] **Johnson:2011:NSV**  
 Mathew A. Johnson, Kevin Zumbrun, and Pascal Noble. Nonlinear stability of viscous roll waves. *SIAM Journal on Mathematical Analysis*, 43(2):577–611, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p577\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p577_s1).
- [Kac14] **Kachmar:2014:GLO**  
 Ayman Kachmar. The Ginzburg–Landau order parameter near the second critical field. *SIAM Journal on Mathematical Analysis*, 46(1):572–587, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Kai10] **Kaiser:2010:GDP**  
 Ralf Kaiser. The geometric direction problem: The two-dimensional and the three-dimensional axisymmetric cases. *SIAM Journal on Mathematical Analysis*, 42(2):701–728, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Kai17] **Kaib:2017:SSA**  
 Gunnar Kaib. Stationary states of an aggregation equation with degenerate diffusion and bounded attractive potential. *SIAM Journal on Mathematical Analysis*, 49(1):272–296, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Kal12] **Kalvin:2012:LAP**  
 Victor Kalvin. Limiting absorption principle and perfectly matched layer method for Dirichlet Laplacians in quasi-cylindrical domains. *SIAM Journal on Mathematical Analysis*, 44(1):355–382, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p355\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p355_s1).
- [Kar12] **Karatson:2012:CMI**  
 János Karátson. Characterizing mesh independent quadratic convergence of Newton’s method for a class of elliptic problems. *SIAM Journal on Mathematical Analysis*, 44(3):1279–1303, 2012. CODEN SJMAAH. ISSN

0036-1410 (print), 1095-7154 (electronic).

**Karakhanyan:2016:IPR**

- [Kar16] Aram L. Karakhanyan. An inverse problem for the refractive surfaces with parallel lighting. *SIAM Journal on Mathematical Analysis*, 48(1):740–784, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Katzourakis:2019:RSI**

- [Kat19] Nikos Katzourakis. An  $L^\infty$  regularization strategy to the inverse source identification problem for elliptic equations. *SIAM Journal on Mathematical Analysis*, 51(2):1349–1370, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Kollar:2019:DCS**

- [KDT19] Richard Kollár, Bernard Deconinck, and Olga Trichtchenko. Direct characterization of spectral stability of small-amplitude periodic waves in scalar Hamiltonian problems via dispersion relation. *SIAM Journal on Mathematical Analysis*, 51(4):3145–3169, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[Kha13]

**Khapalov:2013:MSD**

Alexander Y. Khapalov. Micromotions of a swimmer in the 3-D incompressible fluid governed by the nonstationary Stokes equation. *SIAM Journal on Mathematical Analysis*, 45(6):3360–3381, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Kian:2016:RTD**

[Kia16]

Yavar Kian. Recovery of time-dependent damping coefficients and potentials appearing in wave equations from partial data. *SIAM Journal on Mathematical Analysis*, 48(6):4021–4046, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Kim:2009:LFL**

[Kim09]

Namkwon Kim. Large friction limit and the inviscid limit of 2D Navier–Stokes equations under Navier friction condition. *SIAM Journal on Mathematical Analysis*, 41(4):1653–1663, 2009. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See corrigendum [Kim13].

**Kim:2013:CLF**

[Kim13]

Namkwon Kim. Corrigendum: Large Friction Limit and the Inviscid Limit of 2D Navier–Stokes Equations

- under Navier Friction Condition. *SIAM Journal on Mathematical Analysis*, 45(3): 1992–1994, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [Kim09].
- [KK10] **Komech:2010:GAS**  
Alexander Komech and Andrew Komech. Global attraction to solitary waves for a nonlinear Dirac equation with mean field interaction. *SIAM Journal on Mathematical Analysis*, 42(6): 2944–2964, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2944\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2944_s1).
- [KK15] **Kim:2015:WSE**  
Hyunseok Kim and Young-Heon Kim. On weak solutions of elliptic equations with singular drifts. *SIAM Journal on Mathematical Analysis*, 47(2): 1271–1290, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KK16] **Kreisbeck:2016:HTF**  
Carolin Kreisbeck and Stefan Krömer. Heterogeneous thin films: Combining homogenization and dimension reduction with directors. *SIAM Journal on Mathematical Analysis*, 48(2): 785–820, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KK17a] **Kang:2017:EWS**  
Kyungkeun Kang and Hwa Kil Kim. Existence of weak solutions in Wasserstein space for a chemotaxis model coupled to fluid equations. *SIAM Journal on Mathematical Analysis*, 49(4):2965–3004, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KK17b] **Kwon:2017:IJR**  
Oh Sung Kwon and Jae Ryong Kweon. Interior jump and regularity of compressible viscous Navier–Stokes flows through a cut. *SIAM Journal on Mathematical Analysis*, 49(3): 1982–2008, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KK18] **Komech:2018:OSG**  
A. Komech and E. Kopylova. On orbital stability of ground states for finite crystals in fermionic Schrödinger–Poisson model. *SIAM Journal on Mathematical Analysis*, 50(1):64–85, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [KKT17] **Klar:2017:TED**  
Axel Klar, Lisa Kreusser, and Oliver Tse. Trend to equilibrium for a delay Vlasov–Fokker–Planck equation and explicit decay estimates. *SIAM Journal on Mathematical Analysis*, 49(4):3277–3298, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KL18a] **Kirsch:2018:LAP**  
Andreas Kirsch and Armin Lechleiter. The limiting absorption principle and a radiation condition for the scattering by a periodic layer. *SIAM Journal on Mathematical Analysis*, 50(3):2536–2565, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KL18b] **Kuwert:2018:AWM**  
Ernst Kuwert and Yuxiang Li. Asymptotics of Willmore minimizers with prescribed small isoperimetric ratio. *SIAM Journal on Mathematical Analysis*, 50(4):4407–4425, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KLL12] **Kutyniok:2012:OSA**  
Gitta Kutyniok, Jakob Lemvig, and Wang-Q Lim. Optimally sparse approximations of 3D functions by compactly supported shearlet frames. *SIAM Journal on Mathematical Analysis*, 44(4):2962–3017, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KLO10] **Kolehmainen:2010:CIP**  
Ville Kolehmainen, Matti Lassas, and Petri Ola. Calderón’s inverse problem with an imperfectly known boundary and reconstruction up to a conformal deformation. *SIAM Journal on Mathematical Analysis*, 42(3):1371–1381, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KLO16] **Keller:2016:NPS**  
Johannes Keller, Caroline Lasser, and Tomoki Ohsawa. A new phase space density for quantum expectations. *SIAM Journal on Mathematical Analysis*, 48(1):513–537, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KLS11] **Krupchyk:2011:DEH**  
Katsiaryna Krupchyk, Matti Lassas, and Samuli Siltanen. Determining electrical and heat transfer parameters using coupled boundary measurements. *SIAM Journal on Mathematical Analysis*, 43(5):

- 2096–2115, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2096\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2096_s1). [KM17]
- Kuan:2015:EMA**
- [KLS15] Rulin Kuan, Yi-Hsuan Lin, and Mourad Sini. The enclosure method for the anisotropic Maxwell system. *SIAM Journal on Mathematical Analysis*, 47(5):3488–3527, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Kavallaris:2017:DNP**
- [KLW17] Nikos I. Kavallaris, Johannes Lankeit, and Michael Winkler. On a degenerate nonlocal parabolic problem describing infinite dimensional replicator dynamics. *SIAM Journal on Mathematical Analysis*, 49(2):954–983, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Kamotski:2013:LWW**
- [KM13] I. V. Kamotski and V. G. Maz'ya. On the linear water wave problem in the presence of a critically submerged body. *SIAM Journal on Mathematical Analysis*, 44(6):4222–4249, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [KMS15]
- Kappeler:2017:WPD**
- Thomas Kappeler and Jan-Cornelius Molnar. On the well-posedness of the defocusing mKdV equation below  $L^2$ . *SIAM Journal on Mathematical Analysis*, 49(3):2191–2219, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Krishnan:2018:MAR**
- Venkateswaran P. Krishnan and Rohit Kumar Mishra. Microlocal analysis of a restricted ray transform on symmetric  $m$ -tensor fields in  $\mathbf{R}^n$ . *SIAM Journal on Mathematical Analysis*, 50(6):6230–6254, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Kurzke:2011:VML**
- Matthias Kurzke, Christof Melcher, and Roger Moser. Vortex motion for the Landau–Lifshitz–Gilbert equation with spin-transfer torque. *SIAM Journal on Mathematical Analysis*, 43(3):1099–1121, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1099\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1099_s1).
- Kroner:2015:TFB**
- Dietmar Kröner, Thomas Müller, and Lena Maria

- Strehlau. Traces for functions of bounded variation on manifolds with applications to conservation laws on manifolds with boundary. *SIAM Journal on Mathematical Analysis*, 47(5):3944–3962, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KMS17] Matthias Kurzke, Jeremy L. Marzuola, and Daniel Spirn. Gross–Pitaevskii vortex motion with critically scaled inhomogeneities. *SIAM Journal on Mathematical Analysis*, 49(1):471–500, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KMT13] Trygve K. Karper, Antoine Mellet, and Konstantina Trivisa. Existence of weak solutions to kinetic flocking models. *SIAM Journal on Mathematical Analysis*, 45(1):215–243, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KMV18] Rowan Killip, Jason Murphy, and Monica Visan. The initial-value problem for the cubic-quintic NLS with nonvanishing boundary conditions. *SIAM Journal on Mathematical Analysis*, 50(3):2681–2739, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KMVW14] Igor Kukavica, Nader Masmoudi, Vlad Vicol, and Tak Kwong Wong. On the local well-posedness of the Prandtl and hydrostatic Euler equations with multiple monotonicity regions. *SIAM Journal on Mathematical Analysis*, 46(6):3865–3890, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KN18] Hans Knüpfer and Florian Nolte. Optimal shape of isolated ferromagnetic domains. *SIAM Journal on Mathematical Analysis*, 50(6):5857–5886, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KNR12] M. D. Korzec, P. Nayar, and P. Rybka. Global weak solutions to a sixth order Cahn–Hilliard type equation. *SIAM Journal on Mathematical Analysis*, 44(5):3369–3387, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Kurzke:2017:GPV****Kukavica:2014:LWP****Karper:2013:EWS****Knüpfer:2018:OSI****Killip:2018:IVP****Korzec:2012:GWS**

- [KNW15] **Krahmer:2015:CSR**  
 Felix Krahmer, Deanna Needell, and Rachel Ward. Compressive sensing with redundant dictionaries and structured measurements. *SIAM Journal on Mathematical Analysis*, 47(6):4606–4629, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Kot12]
- [Koc16] **Koch:2016:VOS**  
 Hans Koch. Vertex order in some large constrained random graphs. *SIAM Journal on Mathematical Analysis*, 48(4):2588–2601, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Koll11] **Kollar:2011:HMN**  
 Richard Kollár. Homotopy method for nonlinear eigenvalue pencils with applications. *SIAM Journal on Mathematical Analysis*, 43(2):612–633, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p612\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p612_s1). [KP13]
- [Kom15] **Komech:2015:CGS**  
 A. I. Komech. On the crystal ground state in the Schrödinger–Poisson model. *SIAM Journal on Mathematical Analysis*, 47(2):1001–1021, 2015. CO-
- DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Kotschote:2012:DCN**  
 Matthias Kotschote. Dynamics of compressible non-isothermal fluids of non-Newtonian Korteweg type. *SIAM Journal on Mathematical Analysis*, 44(1):74–101, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p74\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p74_s1).
- Kroo:2013:SMP**  
 András Kroó and Allan Pinkus. On stability of the metric projection operator. *SIAM Journal on Mathematical Analysis*, 45(2):639–661, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KP18a] **Kim:2018:CBW**  
 Young-Heon Kim and Brendan Pass. A canonical barycenter via Wasserstein regularization. *SIAM Journal on Mathematical Analysis*, 50(2):1817–1828, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KP18b] **Kraitzman:2018:PBS**  
 Noa Kraitzman and Keith Promislow. Pearling bifur-



cations in the strong functionalized Cahn–Hilliard free energy. *SIAM Journal on Mathematical Analysis*, 50(3):3395–3426, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Khusainov:2015:SME**

[KPR15]

Denys Khusainov, Michael Pokojovy, and Reinhard Racke. Strong and mild extrapolated  $L^2$ -solutions to the heat equation with constant delay. *SIAM Journal on Mathematical Analysis*, 47(1):427–454, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Keimer:2018:NSC**

[KPS18]

Alexander Keimer, Lukas Pflug, and Michele Spinola. Nonlocal scalar conservation laws on bounded domains and applications in traffic flow. *SIAM Journal on Mathematical Analysis*, 50(6):6271–6306, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Kassmann:2019:HLT**

[KPZ19]

M. Kassmann, A. Piatnitski, and E. Zhizhina. Homogenization of Lévy-type operators with oscillating coefficients. *SIAM Journal on Mathematical Analysis*, 51(5):3641–3665, 2019. CO-

DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Klouček:2010:TFB**

[KR10]

Petr Klouček and Michel V. Romero. Tracking free boundaries in fluids using a variational principle. *SIAM Journal on Mathematical Analysis*, 42(4):1519–1538, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Krejčířik:2019:CMF**

[Kre19]

David Krejčířik. Complex magnetic fields: an improved Hardy–Laptev–Weidl inequality and quasi-self-adjointness. *SIAM Journal on Mathematical Analysis*, 51(2):790–807, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Koumatos:2015:DIY**

[KRW15]

Konstantinos Koumatos, Filip Rindler, and Emil Wiedemann. Differential inclusions and Young measures involving prescribed Jacobians. *SIAM Journal on Mathematical Analysis*, 47(2):1169–1195, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [Kry10] **Krylov:2010:DFS**  
 N. V. Krylov. On divergence form SPDEs with growing coefficients in  $W_2^1$  spaces without weights. *SIAM Journal on Mathematical Analysis*, 42(2):609–633, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Kry13] **Krylov:2013:EET**  
 N. V. Krylov. An ersatz existence theorem for fully nonlinear parabolic equations without convexity assumptions. *SIAM Journal on Mathematical Analysis*, 45(6):3331–3359, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Kry14] **Krylov:2014:HTP**  
 N. V. Krylov. Hörmander’s theorem for parabolic equations with coefficients measurable in the time variable. *SIAM Journal on Mathematical Analysis*, 46(1):854–870, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KS14] **Kar:2014:RIE**  
 Manas Kar and Mourad Sini. Reconstruction of interfaces from the elastic farfield measurements using CGO solutions. *SIAM Journal on Mathematical Analysis*, 46(4):2650–2691, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KS19] **Kian:2019:HSD**  
 Yavar Kian and Eric Soccorsi. Hölder stably determining the time-dependent electromagnetic potential of the Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 51(2):627–647, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KSW13] **Kolb:2013:NED**  
 Martin Kolb, Mladen Savov, and Achim Wübker. (non-)ergodicity of a degenerate diffusion modeling the fiber lay down process. *SIAM Journal on Mathematical Analysis*, 45(1):1–13, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KT11] **Kondo:2011:IBV**  
 Shintaro Kondo and Atusi Tani. Initial boundary value problem for model equations of resistive drift wave turbulence. *SIAM Journal on Mathematical Analysis*, 43(2):925–943, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p925\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p925_s1).

- [KT13] **Kim:2013:CPF**  
Sungwhan Kim and Alexandru Tamasan. On a Calderón problem in frequency differential electrical impedance tomography. *SIAM Journal on Mathematical Analysis*, 45(5): 2700–2709, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KT17] **Kim:2017:DSS**  
Chanwoo Kim and Ian Tice. Dynamics and stability of surface waves with surfactants. *SIAM Journal on Mathematical Analysis*, 49(2): 1295–1332, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KT18] **Kiselev:2018:GRE**  
Alexander Kiselev and Changhui Tan. Global regularity for 1D Eulerian dynamics with singular interaction forces. *SIAM Journal on Mathematical Analysis*, 50(6):6208–6229, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Kut15] **Kuto:2015:LSS**  
Kousuke Kuto. Limiting structure of shrinking solutions to the stationary Shigesada–Kawasaki–Teramoto model with large cross-diffusion. *SIAM Journal on Mathematical Analysis*, 47(5):3993–4024, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KUV16] **Kondratyev:2016:BVB**  
Stanislav Kondratyev, José Miguel Urbano, and Dmitry Vorotnikov. On the bulk velocity of Brownian ratchets. *SIAM Journal on Mathematical Analysis*, 48(2):950–980, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KV19] **Kondratyev:2019:SHK**  
Stanislav Kondratyev and Dmitry Vorotnikov. Spherical Hellinger–Kantorovich gradient flows. *SIAM Journal on Mathematical Analysis*, 51(3): 2053–2084, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KVM17] **Kaliuzhnyi-Verbovetskyi:2017:SHE**  
Dmitry Kaliuzhnyi-Verbovetskyi and Georgi S. Medvedev. The semilinear heat equation on sparse random graphs. *SIAM Journal on Mathematical Analysis*, 49(2):1333–1355, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KVM18] **Kaliuzhnyi-Verbovetskyi:2018:MFE**  
Dmitry Kaliuzhnyi-Verbovetskyi and Georgi S. Medvedev. The

- mean field equation for the Kuramoto model on graph sequences with non-Lipschitz limit. *SIAM Journal on Mathematical Analysis*, 50(3): 2441–2465, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KvMY19] Masato Kimura, Patrick van Meurs, and Zhenxing Yang. Particle dynamics subject to impenetrable boundaries: Existence and uniqueness of mild solutions. *SIAM Journal on Mathematical Analysis*, 51(6): 5049–5076, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KW11] Felix Kraemer and Rachel Ward. New and improved Johnson–Lindenstrauss embeddings via the restricted isometry property. *SIAM Journal on Mathematical Analysis*, 43(3):1269–1281, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1269\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1269_s1).
- [KW12] Jun Kitagawa and Micah Warren. Regularity for the optimal transportation problem with Euclidean distance squared cost on the embedded sphere. *SIAM Journal on Mathematical Analysis*, 44(4): 2871–2887, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Kwe12] Jae Ryong Kweon. Corner singularity dynamics and regularity of compressible viscous Navier–Stokes flows. *SIAM Journal on Mathematical Analysis*, 44(5):3127–3161, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KY12a] Chanwoo Kim and Seok-Bae Yun. The Boltzmann equation near a rotational local Maxwellian. *SIAM Journal on Mathematical Analysis*, 44(4): 2560–2598, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KY12b] Inwon Kim and Yao Yao. The Patlak–Keller–Segel model and its variations: Properties of solutions via maximum principle. *SIAM Journal on Mathematical Analysis*, 44(2): 568–602, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p568\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p568_s1).

siam.org/sima/resource/  
1/sjmaah/v44/i2/p568\_s1.

**Kim:2015:CII**

[KY15]

Seonghak Kim and Baisheng Yan. Convex integration and infinitely many weak solutions to the Perona–Malik equation in all dimensions. *SIAM Journal on Mathematical Analysis*, 47(4):2770–2794, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[Lac15]

ships for completely monotone functions. *SIAM Journal on Mathematical Analysis*, 46(3):2008–2032, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Lacave:2015:UTD**

Christophe Lacave. Uniqueness for two-dimensional incompressible ideal flow on singular domains. *SIAM Journal on Mathematical Analysis*, 47(2):1615–1664, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Kawano:2011:UNR**

[KZ11]

A. Kawano and A. Zine. Uniqueness and nonuniqueness results for a certain class of almost periodic distributions. *SIAM Journal on Mathematical Analysis*, 43(1):135–152, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p135\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p135_s1).

[Lai14]

**Lai:2014:RPS**

Geng Lai. On the Riemann problem for a scalar Zeldovich–von Neumann–Döring combustion model. *SIAM Journal on Mathematical Analysis*, 46(4):2404–2443, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Kim:2018:RPD**

[KZ18]

Inwon Kim and Yuming Paul Zhang. Regularity properties of degenerate diffusion equations with drifts. *SIAM Journal on Mathematical Analysis*, 50(4):4371–4406, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[Lai18]

**Lai:2018:ICW**

Geng Lai. Interactions of composite waves of the two-dimensional full Euler equations for van der Waals gases. *SIAM Journal on Mathematical Analysis*, 50(4):3535–3597, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Loy:2014:IRC**

[LA14]

R. J. Loy and R. S. Andersen. Interconversion relation-

- [Lam12] **Lam:2012:LPS**  
King-Yeung Lam. Limiting profiles of semilinear elliptic equations with large advection in population dynamics II. *SIAM Journal on Mathematical Analysis*, 44(3):1808–1830, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Lau10] **Laurent:2010:GCS**  
Camille Laurent. Global controllability and stabilization for the nonlinear Schrödinger equation on some compact manifolds of dimension 3. *SIAM Journal on Mathematical Analysis*, 42(2):785–832, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Lau18] **Laurain:2018:ASS**  
Antoine Laurain. Analyzing smooth and singular domain perturbations in level set methods. *SIAM Journal on Mathematical Analysis*, 50(4):4327–4370, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Le 13] **LeBlanc:2013:PGR**  
Valérie Le Blanc. Persistence of generalized roll-waves under viscous perturbation. *SIAM Journal on Mathematical Analysis*, 45(2):572–599, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Le10] **Le:2010:COK**  
Nam Q. Le. On the convergence of the Ohta–Kawasaki equation to motion by non-local Mullins–Sekerka law. *SIAM Journal on Mathematical Analysis*, 42(4):1602–1638, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Le19] **Le:2019:EIS**  
Hung Le. On the existence and instability of solitary water waves with a finite dipole. *SIAM Journal on Mathematical Analysis*, 51(5):4074–4104, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Lee10] **Lee:2010:NCN**  
Paul W. Y. Lee. New computable necessary conditions for the regularity theory of optimal transportation. *SIAM Journal on Mathematical Analysis*, 42(6):3054–3075, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3054\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3054_s1).

- Lee:2016:DCP**
- [Lee16] Minjae Lee. Dirac cones for point scatterers on a honeycomb lattice. *SIAM Journal on Mathematical Analysis*, 48(2):1459–1488, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Lei16]
- Leitmeyer:2016:ECP**
- Keith Leitmeyer. Enstrophy cascade in physical scales for the three-dimensional Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 48(1):166–173, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Lee:2017:UEV**
- [Lee17] Donghyun Lee. Uniform estimate of viscous free-boundary magnetohydrodynamics with zero vacuum magnetic field. *SIAM Journal on Mathematical Analysis*, 49(4):2710–2789, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Len14]
- Lei:2010:CEC**
- [Lei10] Guang-Tsai Lei. Characterization of electromagnetic cavity resonators by integral identities. *SIAM Journal on Mathematical Analysis*, 42(2):634–645, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Len16]
- Lei:2013:QAS**
- [Lei13] Yutian Lei. Qualitative analysis for the static Hartree-type equations. *SIAM Journal on Mathematical Analysis*, 45(1):388–406, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Leq11]
- Lengeler:2014:WSI**
- Daniel Lengeler. Weak solutions for an incompressible, generalized Newtonian fluid interacting with a linearly elastic Koiter type Shell. *SIAM Journal on Mathematical Analysis*, 46(4):2614–2649, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Lenells:2016:NSD**
- Jonatan Lenells. The nonlinear steepest descent method: Asymptotics for initial-boundary value problems. *SIAM Journal on Mathematical Analysis*, 48(3):2076–2118, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Lequeurre:2011:ESS**
- Julien Lequeurre. Existence of strong solutions to a fluid-structure system. *SIAM Journal on Mathematical Analysis*, 43(1):389–

410, ????. 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p389\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p389_s1).

**Li:2009:MEF**

[Li09] Bo Li. Minimization of electrostatic free energy and the Poisson–Boltzmann equation for molecular solvation with implicit solvent. *SIAM Journal on Mathematical Analysis*, 40(6):2536–2566, ????. 2009. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [Li11].

**Li:2011:EME**

[Li11] Bo Li. Erratum: “Minimization of Electrostatic Free Energy and the Poisson–Boltzmann Equation for Molecular Solvation with Implicit Solvent”. *SIAM Journal on Mathematical Analysis*, 43(6):2776–2777, ????. 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2776\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2776_s1). See [Li09].

**Li:2019:GWP**

[Li19] Jinkai Li. Global well-posedness of the one-dimensional incompressible Navier–Stokes equations with constant heat conductivity and nonnegative

[Lit13]

density. *SIAM Journal on Mathematical Analysis*, 51(5):3666–3693, ????. 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Littmann:2013:QEB**

Friedrich Littmann. Quadrature and extremal bandlimited functions. *SIAM Journal on Mathematical Analysis*, 45(2):732–747, ????. 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Liu:2018:GIL**

[Liu18a]

Boya Liu. Global identifiability of low regularity fluid parameters in acoustic tomography of moving fluid. *SIAM Journal on Mathematical Analysis*, 50(6):6348–6364, ????. 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Liu:2018:MRG**

[Liu18b]

Xin Liu. A model of radiational gaseous stars. *SIAM Journal on Mathematical Analysis*, 50(6):6100–6155, ????. 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Liu:2019:MSC**

Grace Liu. Modified scattering for the cubic Schrödinger equation small data solution



- on product space. *SIAM Journal on Mathematical Analysis*, 51(5):4023–4073, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LL16a]
- Lessard:2017:CAF**
- [LJ17] Jean-Philippe Lessard and J. D. Mireles James. Computer assisted Fourier analysis in sequence spaces of varying regularity. *SIAM Journal on Mathematical Analysis*, 49(1):530–561, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LL16b]
- Li:2011:RSP**
- [LL11] Y. Charles Li and Zhiwu Lin. A resolution of the Sommerfeld paradox. *SIAM Journal on Mathematical Analysis*, 43(4):1923–1954, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1923\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1923_s1). [LL18a]
- Lee:2012:NES**
- [LL12] Paul W. Y. Lee and Jiayong Li. New examples satisfying Ma–Trudinger–Wang conditions. *SIAM Journal on Mathematical Analysis*, 44(1):61–73, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p61\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p61_s1). [LL18b]
- Lakshtanov:2016:DFM**
- Evgeny Lakshtanov and Armin Lechleiter. Difference factorizations and monotonicity in inverse medium scattering for contrasts with fixed sign on the boundary. *SIAM Journal on Mathematical Analysis*, 48(6):3688–3707, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Li:2016:ALR**
- Hongjie Li and Hongyu Liu. On anomalous localized resonance for the elastostatic system. *SIAM Journal on Mathematical Analysis*, 48(5):3322–3344, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Li:2018:GDC**
- Lei Li and Jian-Guo Liu. A generalized definition of Caputo derivatives and its application to fractional ODEs. *SIAM Journal on Mathematical Analysis*, 50(3):2867–2900, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Li:2018:SCC**
- Lei Li and Jian-Guo Liu. Some compactness criteria for

- weak solutions of time fractional PDEs. *SIAM Journal on Mathematical Analysis*, 50(4):3963–3995, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LLN19]
- [LL19] Jianliang Li and Peijun Li. Inverse elastic scattering for a random source. *SIAM Journal on Mathematical Analysis*, 51(6):4570–4603, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Li:2019:IES**
- [LLM14] Chi-Kun Lin, Chi-Tien Lin, Yanping Lin, and Ming Mei. Exponential stability of non-monotone traveling waves for Nicholson’s blowflies equation. *SIAM Journal on Mathematical Analysis*, 46(2):1053–1084, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Lin:2014:ESN**
- [LLM19] Jingzhi Li, Hongyu Liu, and Shiqi Ma. Determining a random Schrödinger equation with unknown source and potential. *SIAM Journal on Mathematical Analysis*, 51(4):3465–3491, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Li:2019:DRS**
- [LLP16] C. David Levermore, Hailiang Liu, and Robert L. Pego. Global dynamics of Bose–Einstein condensation for a model of the Kompaneets equation. *SIAM Journal on Mathematical Analysis*, 48(4):2454–2494, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Levermore:2016:GDB**
- [LLW15] Junyu Lin, Baishun Lai, and Changyou Wang. Global finite energy weak solutions to the compressible nematic liquid crystal flow in dimension three. *SIAM Journal on Mathematical Analysis*, 47(4):2952–2983, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Lin:2015:GFE**
- [LLW17] Baishun Lai, Junyu Lin, and Changyou Wang. Forward self-similar solutions of the Stein variational gradient descent: The mean field regime. *SIAM Journal on Mathematical Analysis*, 51(2):648–671, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Lu:2019:SLS**
- [LLW17] Baishun Lai, Junyu Lin, and Changyou Wang. Forward self-similar solutions

to the viscoelastic Navier–Stokes equation with damping. *SIAM Journal on Mathematical Analysis*, 49(1):501–529, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Li:2018:SSV**

[LLWW18]

Hai liang Li, Teng Wang, and Yi Wang. Stability of the superposition of a viscous contact wave with two rarefaction waves to the bipolar Vlasov–Poisson–Boltzmann system. *SIAM Journal on Mathematical Analysis*, 50(2):1829–1876, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Lecureux-Mercier:2011:GSS**

[LM11]

Magali Lécureux-Mercier. Global smooth solutions of Euler equations for van der Waals gases. *SIAM Journal on Mathematical Analysis*, 43(2):877–903, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p877\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p877_s1).

**Lecureux-Mercier:2014:PEA**

[LM14]

Magali Lécureux-Mercier. A priori estimates and analytical construction of radially symmetric solutions in the gas dynamics. *SIAM Journal on Mathematical Analysis*, 46(4):

2853–2883, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Laurencot:2017:SST**

[LM17]

Philippe Laurencot and Bogdan Vasile Matioc. Self-similarity in a thin film muskat problem. *SIAM Journal on Mathematical Analysis*, 49(4):2790–2842, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Lukacova-Medvidova:2017:GER**

[LMMNR17]

Mária Lukáčová-Medvidová, Hana Mizerová, Sárka Necasová, and Michael Renardy. Global existence result for the generalized Peterlin viscoelastic model. *SIAM Journal on Mathematical Analysis*, 49(4):2950–2964, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Lattanzio:2010:SSR**

[LMN<sup>+</sup>10]

Corrado Lattanzio, Corrado Mascia, Toan Nguyen, Ramón G. Plaza, and Kevin Zumbrun. Stability of scalar radiative shock profiles. *SIAM Journal on Mathematical Analysis*, 41(6):2165–2206, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [LMP11] **Lattanzio:2011:MBC**  
Corrado Lattanzio, Amelio Maurizi, and Benedetto Piccoli. Moving bottlenecks in car traffic flow: a PDE–ODE coupled model. *SIAM Journal on Mathematical Analysis*, 43(1):50–67, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p50\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p50_s1).
- [LMR13] **Lemou:2013:SGS**  
Mohammed Lemou, Florian Méhats, and Cyril Rigault. Stable ground states and self-similar blow-up solutions for the gravitational Vlasov–Manev system. *SIAM Journal on Mathematical Analysis*, 44(6):3928–3968, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LMR15] **Lawley:2015:SSI**  
Sean D. Lawley, Jonathan C. Mattingly, and Michael C. Reed. Stochastic switching in infinite dimensions with applications to random parabolic PDE. *SIAM Journal on Mathematical Analysis*, 47(4):3035–3063, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LMS16] **Liero:2016:OTC**  
Matthias Liero, Alexander Mielke, and Giuseppe Savaré.
- [LMTT15] **Laul:2015:LEE**  
Parul Laul, Jason Metcalfe, Shreyas Tikare, and Mihai Tohaneanu. Localized energy estimates for wave equations on  $(1 + 4)$ -dimensional Myers–Perry space-times. *SIAM Journal on Mathematical Analysis*, 47(3):1933–1957, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LMW17] **Li:2017:SSC**  
Fucui Li, Yanmin Mu, and Dehua Wang. Strong solutions to the compressible Navier–Stokes–Vlasov–Fokker–Planck equations: Global existence near the equilibrium and large time behavior. *SIAM Journal on Mathematical Analysis*, 49(2):984–1026, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LMZZ17] **Li:2017:SHM**  
Jingyu Li, Ming Mei, Guojing Zhang, and Kaijun Zhang.
- Optimal transport in competition with reaction: The Hellinger–Kantorovich distance and geodesic curves. *SIAM Journal on Mathematical Analysis*, 48(4):2869–2911, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- Steady hydrodynamic model of semiconductors with sonic boundary: (I) subsonic doping profile. *SIAM Journal on Mathematical Analysis*, 49(6): 4767–4811, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LMZZ18] Jingyu Li, Ming Mei, Guojing Zhang, and Kaijun Zhang. Steady hydrodynamic model of semiconductors with sonic boundary: (II) supersonic doping profile. *SIAM Journal on Mathematical Analysis*, 50(1):718–734, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Li:2018:SHM]
- [LN10] Ching-Lung Lin and Gen Nakamura. Unique continuation property for a coupled second-fourth order dynamical system and its application. *SIAM Journal on Mathematical Analysis*, 42(5): 2318–2336, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Lin:2010:UCP]
- [LNZ14] Nan Lu, Andrea R. Nahmod, and Chongchun Zeng. Equivariante and self-similar standing waves for a Hamiltonian hyperbolic-hyperbolic spin-field system. *SIAM Journal on Mathematical Analysis*, 46(3):1874–1892, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Lobus:2018:BSS]
- [Löp12] Jörg-Uwe Löbus. Boundedness of the stationary solution to the Boltzmann equation with spatial smearing, diffusive boundary conditions, and Lions’ collision kernel. *SIAM Journal on Mathematical Analysis*, 50(6):5761–5782, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Lopez:2012:BCW]
- [Löp12] Rafael López. Bifurcation of cylinders for wetting and dewetting models with striped geometry. *SIAM Journal on Mathematical Analysis*, 44(2): 946–965, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Lorenzi:2014:DPP]
- [LP14] Alfredo Lorenzi and Viatcheslav Priimenko. Direct problems for poroelastic waves with fractional derivatives. *SIAM Journal on Mathematical Analysis*, 46(3):1874–1892, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [LP16] **Liu:2016:LWL**  
Huimin Liu and Xueke Pu. Long wavelength limit for the quantum Euler–Poisson equation. *SIAM Journal on Mathematical Analysis*, 48(4): 2345–2381, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LPS13] **Linares:2013:WPS**  
Felipe Linares, Didier Pilod, and Jean-Claude Saut. Well-posedness of strongly dispersive two-dimensional surface wave Boussinesq systems. *SIAM Journal on Mathematical Analysis*, 44(6): 4195–4221, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LP19] **Le:2019:CPM**  
Uyen Le and Dmitry E. Pelinovsky. Convergence of Petviashvili’s method near periodic waves in the fractional Korteweg–de Vries equation. *SIAM Journal on Mathematical Analysis*, 51(4):2850–2883, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LPS18] **Linares:2018:CPF**  
Felipe Linares, Didier Pilod, and Jean-Claude Saut. The Cauchy problem for the fractional Kadomtsev–Petviashvili equations. *SIAM Journal on Mathematical Analysis*, 50(3):3172–3209, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LPR12] **Lepoutre:2012:GWP**  
Thomas Lepoutre, Michel Pierre, and Guillaume Roland. Global well-posedness of a conservative relaxed cross diffusion system. *SIAM Journal on Mathematical Analysis*, 44(3):1674–1693, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LR11] **Li:2011:ODN**  
Dong Li and José L. Rodrigo. On a one-dimensional nonlocal flux with fractional dissipation. *SIAM Journal on Mathematical Analysis*, 43(1): 507–526, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p507\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p507_s1).
- [LPS10] **Liu:2010:WBO**  
Yue Liu, Dmitry Pelinovsky, and Anton Sakovich. Wave breaking in the Ostrovsky–Hunter equation. *SIAM Journal on Mathematical Analysis*, 42(5):1967–1985, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- Lewin:2013:DPP**
- [LR13] Mathieu Lewin and Nicolas Rougerie. Derivation of Pekar’s polarons from a microscopic model of quantum crystal. *SIAM Journal on Mathematical Analysis*, 45(3):1267–1301, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Lechleiter:2015:IOD**
- [LR15a] Armin Lechleiter and Marcel Rennoch. Inside-outside duality and the determination of electromagnetic interior transmission eigenvalues. *SIAM Journal on Mathematical Analysis*, 47(1):684–705, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Lemarie–Rieusset:2015:SCT**
- [LR15b] Pierre Gilles Lemarié-Rieusset. On some classes of time-periodic solutions for the Navier–Stokes equations in the whole space. *SIAM Journal on Mathematical Analysis*, 47(2):1022–1043, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Lindsey:2017:OTM**
- [LR17] Michael Lindsey and Yanir A. Rubinstein. Optimal transport via a Monge–Ampère optimization problem. *SIAM Journal on Mathematical Analysis*, 49(4):3073–3124, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Liu:2018:QLS**
- [LRdS18] Wei Liu, Michael Röckner, and José Luís da Silva. Quasi-linear (stochastic) partial differential equations with time-fractional derivatives. *SIAM Journal on Mathematical Analysis*, 50(3):2588–2607, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Li:2010:GEW**
- [LS10] Buyang Li and Weiwei Sun. Global existence of weak solution for nonisothermal multi-component flow in porous textile media. *SIAM Journal on Mathematical Analysis*, 42(6):3076–3102, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3076\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3076_s1).
- Li:2012:GWS**
- [LS12a] Buyang Li and Weiwei Sun. Global weak solution for a heat and sweat transport system in three-dimensional fibrous porous media with condensation/evaporation and absorption. *SIAM Journal on Mathematical Analysis*, 44(3):

- 1448–1473, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LS13c]
- Liu:2012:CDP**
- [LS12b] Hailiang Liu and Jaemin Shin. The Cauchy–Dirichlet problem for the finitely extensible nonlinear elastic dumbbell model of polymeric fluids. *SIAM Journal on Mathematical Analysis*, 44(5):3617–3648, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LS15]
- Lamacz:2013:EME**
- [LS13a] Agnes Lamacz and Ben Schweizer. Effective Maxwell equations in a geometry with flat rings of arbitrary shape. *SIAM Journal on Mathematical Analysis*, 45(3):1460–1494, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LS16]
- LeCrone:2013:WPS**
- [LS13b] Jeremy LeCrone and Gieri Simonett. On well-posedness, stability, and bifurcation for the axisymmetric surface diffusion flow. *SIAM Journal on Mathematical Analysis*, 45(5):2834–2869, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LS17]
- Lu:2013:PMA**
- Xin Yang Lu and Dejan Slepcev. Properties of minimizers of average-distance problem via discrete approximation of measures. *SIAM Journal on Mathematical Analysis*, 45(5):3114–3131, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Lin:2015:SRT**
- Junshan Lin and Fadil Santosa. Scattering resonances for a two-dimensional potential well with a thick barrier. *SIAM Journal on Mathematical Analysis*, 47(2):1458–1488, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Lamacz:2016:NIM**
- A. Lamacz and B. Schweizer. A negative index metamaterial for Maxwell’s equations. *SIAM Journal on Mathematical Analysis*, 48(6):4155–4174, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Lopez:2017:STW**
- José Luis López and Juan Soler. A space-time Wigner function approach to long time Schrödinger–Poisson dynamics. *SIAM Journal on*



*Mathematical Analysis*, 49(6): 4915–4941, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LT11]

**Leslie:2018:CIE**

[LS18] Trevor M. Leslie and Roman Shvydkoy. Conditions implying energy equality for weak solutions of the Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 50(1): 870–890, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Levermore:2012:LMN**

[LST12] C. David Levermore, Weiran Sun, and Konstantina Trivisa. A low Mach number limit of a dispersive Navier–Stokes system. *SIAM Journal on Mathematical Analysis*, 44(3): 1760–1807, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LT13]

**Lu:2017:GAT**

[LSW17] Yulong Lu, Andrew Stuart, and Hendrik Weber. Gaussian approximations for transition paths in Brownian dynamics. *SIAM Journal on Mathematical Analysis*, 49(4): 3005–3047, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Liu:2011:GUS**

Shitao Liu and Roberto Triggiani. Global uniqueness and stability in determining the damping coefficient of an inverse hyperbolic problem with nonhomogeneous Neumann B.C. through an additional Dirichlet boundary trace. *SIAM Journal on Mathematical Analysis*, 43(4): 1631–1666, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1631\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1631_s1).

**Lattanzio:2013:RED**

Corrado Lattanzio and Athanasios E. Tzavaras. Relative entropy in diffusive relaxation. *SIAM Journal on Mathematical Analysis*, 45(3): 1563–1584, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Li:2017:EUW**

[LT17] Jinkai Li and Edriss S. Titi. Existence and uniqueness of weak solutions to viscous primitive equations for a certain class of discontinuous initial data. *SIAM Journal on Mathematical Analysis*, 49(1):1–28, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [LT19] **Liu:2019:GEW**  
 Xin Liu and Edriss S. Titi. Global existence of weak solutions to the compressible primitive equations of atmospheric dynamics with degenerate viscosities. *SIAM Journal on Mathematical Analysis*, 51(3):1913–1964, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LTV17] **Lakshtanov:2017:UIC**  
 Evgeny Lakshtanov, Jorge Tejero, and Boris Vainberg. Uniqueness in the inverse conductivity problem for complex-valued Lipschitz conductivities in the plane. *SIAM Journal on Mathematical Analysis*, 49(5):3766–3775, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LTW14] **Lou:2014:AIF**  
 Yuan Lou, Youshan Tao, and Michael Winkler. Approaching the ideal free distribution in two-species competition models with fitness-dependent dispersal. *SIAM Journal on Mathematical Analysis*, 46(2):1228–1262, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Lu13] **Lu:2013:EGW**  
 Yun-Guang Lu. Existence of global weak entropy solutions to some nonstrictly hyperbolic systems. *SIAM Journal on Mathematical Analysis*, 45(6):3592–3610, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LV10] **Lancia:2010:IHF**  
 Maria Rosaria Lancia and Paola Vernole. Irregular heat flow problems. *SIAM Journal on Mathematical Analysis*, 42(4):1539–1567, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LV12] **Lakshtanov:2012:EIT**  
 E. Lakshtanov and B. Vainberg. Ellipticity in the interior transmission problem in anisotropic media. *SIAM Journal on Mathematical Analysis*, 44(2):1165–1174, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LV13] **Li:2013:SSR**  
 Xiaodong Li and Vladislav Voroninski. Sparse signal recovery from quadratic measurements via convex programming. *SIAM Journal on Mathematical Analysis*, 45(5):3019–3033, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [LV15] **Lakshtanov:2015:SWL**  
 E. Lakshtanov and B. Vainberg. Sharp Weyl law for signed counting function of positive interior transmission eigenvalues. *SIAM Journal on Mathematical Analysis*, 47(4):3212–3234, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LvR15] **Laurencot:2015:AGS**  
 Philippe Laurençot and Henry van Roessel. Absence of gelation and self-similar behavior for a coagulation-fragmentation equation. *SIAM Journal on Mathematical Analysis*, 47(3):2355–2374, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LW12] **Li:2012:STF**  
 Yi Li and Yaping Wu. Stability of traveling front solutions with algebraic spatial decay for some autocatalytic chemical reaction systems. *SIAM Journal on Mathematical Analysis*, 44(3):1474–1521, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LW14a] **Lin:2014:TEW**  
 Xiaobiao Lin and Martin Wechselberger. Transonic evaporation waves in a spherically symmetric nozzle. *SIAM Journal on Mathematical Analysis*, 46(2):1472–1504, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LW14b] **Liu:2014:SBL**  
 Cheng-Jie Liu and Ya-Guang Wang. Stability of boundary layers for the nonisentropic compressible circularly symmetric 2D flow. *SIAM Journal on Mathematical Analysis*, 46(1):256–309, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LW15] **Lipshutz:2015:EUS**  
 David Lipshutz and Ruth J. Williams. Existence, uniqueness, and stability of slowly oscillating periodic solutions for delay differential equations with nonnegativity constraints. *SIAM Journal on Mathematical Analysis*, 47(6):4467–4535, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LW16a] **Lasiecka:2016:FSF**  
 Irena Lasiecka and Justin T. Webster. Feedback stabilization of a fluttering panel in an inviscid subsonic potential flow. *SIAM Journal on Mathematical Analysis*, 48(3):1848–1891, 2016. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic).
- [LW16b] **Liechty:2016:TLS**  
 Karl Liechty and Dong Wang. Two Lax systems for the Painlevé II equation, and two related kernels in random matrix theory. *SIAM Journal on Mathematical Analysis*, 48(5): 3618–3666, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LW17] **Liu:2017:VSR**  
 Tai-Ping Liu and Haitao Wang. Viscous scalar rarefaction waves. *SIAM Journal on Mathematical Analysis*, 49(3): 2061–2100, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LWX11] **Li:2011:LRG**  
 Yongsheng Li, Yifei Wu, and Guixiang Xu. Low regularity global solutions for the focusing mass-critical NLS in  $\mathbf{R}$ . *SIAM Journal on Mathematical Analysis*, 43(1): 322–340, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p322\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p322_s1).
- [LWX16] **Li:2016:GCS**  
 Wei-Xi Li, Di Wu, and Chao-Jiang Xu. Gevrey class smoothing effect for the Prandtl equation. *SIAM Journal on Mathematical Analysis*, 48(3):1672–1726, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LWY11] **Lichtner:2011:SDD**  
 M. Lichtner, M. Wolfrum, and S. Yanchuk. The spectrum of delay differential equations with large delay. *SIAM Journal on Mathematical Analysis*, 43(2):788–802, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p788\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p788_s1).
- [LWY18] **Li:2018:GMS**  
 Jun Li, Ingo Witt, and Huicheng Yin. Global multidimensional shock waves of 2-dimensional and 3-dimensional unsteady potential flow equations. *SIAM Journal on Mathematical Analysis*, 50(1):933–1009, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LWZ11] **Li:2011:ESU**  
 Peijun Li, Haijun Wu, and Weiyang Zheng. Electromagnetic scattering by unbounded rough surfaces. *SIAM Journal on Mathematical Analysis*, 43(3):1205–

- 1231, ????. 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1205\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1205_s1). [LX16]
- Lafitte:2015:HFS**
- [LWZ15] Olivier Lafitte, Mark Williams, and Kevin Zumbrun. High-frequency stability of detonations and turning points at infinity. *SIAM Journal on Mathematical Analysis*, 47(3):1800–1878, ????. 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LX17a]
- Lafitte:2016:BDO**
- [LWZ16] Olivier Lafitte, Mark Williams, and Kevin Zumbrun. Block-diagonalization of ODEs in the semiclassical limit and  $C^\omega$  versus  $C^\infty$  stationary phase. *SIAM Journal on Mathematical Analysis*, 48(3):1773–1797, ????. 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LX17b]
- Lam:2018:TWC**
- [LWZ18] King-Yeung Lam, Xueying Wang, and Tianran Zhang. Traveling waves for a class of diffusive disease-transmission models with network structures. *SIAM Journal on Mathematical Analysis*, 50(6):5719–5748, ????. 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LX17c]
- Liu:2016:ETM**
- Jian-Guo Liu and Xiangsheng Xu. Existence theorems for a multidimensional crystal surface model. *SIAM Journal on Mathematical Analysis*, 48(6):3667–3687, ????. 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Li:2017:OEP**
- Haigang Li and Longjuan Xu. Optimal estimates for the perfect conductivity problem with inclusions close to the boundary. *SIAM Journal on Mathematical Analysis*, 49(4):3125–3142, ????. 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Liu:2017:ESP**
- Hongyu Liu and Jingni Xiao. On electromagnetic scattering from a penetrable corner. *SIAM Journal on Mathematical Analysis*, 49(6):5207–5241, ????. 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Liu:2017:AVC**
- Jian-Guo Liu and Xiangsheng Xu. Analytical validation of a continuum model for the evolution of a crystal surface in multiple space dimen-

- sions. *SIAM Journal on Mathematical Analysis*, 49(3): 2220–2245, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LX19] **Li:2019:CPS**  
Hao-Guang Li and Chao-Jiang Xu. Cauchy problem for the spatially homogeneous Landau equation with Shubin class initial datum and Gelfand–Shilov smoothing effect. *SIAM Journal on Mathematical Analysis*, 51(1):532–564, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LXY19] **Li:2019:JPA**  
Cheng-Jie Liu, Feng Xie, and Tong Yang. Justification of Prandtl ansatz for MHD boundary layer. *SIAM Journal on Mathematical Analysis*, 51(3):2748–2791, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LXZ13] **Li:2013:GCS**  
Hai-Liang Li, Xinying Xu, and Jianwen Zhang. Global classical solutions to 3D compressible magnetohydrodynamic equations with large oscillations and vacuum. *SIAM Journal on Mathematical Analysis*, 45(3):1356–1387, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LY19] **Liu:2019:LEU**  
Xin Liu and Yuan Yuan. Local existence and uniqueness of strong solutions to the free boundary problem of the full compressible Navier–Stokes equations in three dimensions. *SIAM Journal on Mathematical Analysis*, 51(2): 748–789, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LYZ16] **Li:2016:SSB**  
Hai-Liang Li, Tong Yang, and Mingying Zhong. Spectrum structure and behaviors of the Vlasov–Maxwell–Boltzmann systems. *SIAM Journal on Mathematical Analysis*, 48(1): 595–669, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LYZZ14] **Liu:2014:ODC**  
Hongxia Liu, Tong Yang, Huijiang Zhao, and Qingyang Zou. One-dimensional compressible Navier–Stokes equations with temperature dependent transport coefficients and large data. *SIAM Journal on Mathematical Analysis*, 46(3): 2185–2228, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [LZ17] **Li:2017:GRC**  
Mingjie Li and Qingtian Zhang. Generic regularity of conservative solutions to Camassa–Holm type equations. *SIAM Journal on Mathematical Analysis*, 49(4):2920–2949, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LZ18] **Lu:2018:REW**  
Yong Lu and Zhifei Zhang. Relative entropy, weak-strong uniqueness, and conditional regularity for a compressible Oldroyd–B model. *SIAM Journal on Mathematical Analysis*, 50(1):557–590, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LZ19] **Lin:2019:MAS**  
Junshan Lin and Hai Zhang. Mathematical analysis of surface plasmon resonance by a nano-gap in the plasmonic metal. *SIAM Journal on Mathematical Analysis*, 51(6):4448–4489, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LZZ15] **Li:2015:GMV**  
Jing Li, Jianwen Zhang, and Junning Zhao. On the global motion of viscous compressible barotropic flows subject to large external potential forces and vacuum. *SIAM Journal on Mathematical Analysis*, 47(2):1121–1153, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LZZ17] **Liang:2017:PED**  
Xing Liang, Lei Zhang, and Xiao-Qiang Zhao. The principal eigenvalue for degenerate periodic reaction-diffusion systems. *SIAM Journal on Mathematical Analysis*, 49(5):3603–3636, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Mae17] **Maeda:2017:EAS**  
Masaya Maeda. Existence and asymptotic stability of quasi-periodic solutions of discrete NLS with potential. *SIAM Journal on Mathematical Analysis*, 49(5):3396–3426, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Mar10] **Marzuola:2010:CSP**  
Jeremy L. Marzuola. A class of stable perturbations for a minimal mass soliton in three-dimensional saturated nonlinear Schrödinger equations. *SIAM Journal on Mathematical Analysis*, 42(3):1382–1403, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [Mar18] **Marinelli:2018:WPS**  
 Carlo Marinelli. On well-posedness of semilinear stochastic evolution equations on  $L_p$  spaces. *SIAM Journal on Mathematical Analysis*, 50(2):2111–2143, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Mas11] **Masaki:2011:ESS**  
 Satoshi Masaki. Energy solution to a Schrödinger–Poisson system in the two-dimensional whole space. *SIAM Journal on Mathematical Analysis*, 43(6):2719–2731, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2719\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2719_s1).
- [MB16] **Mohammed:2016:FDL**  
 Wael W. Mohammed and Dirk Blömker. Fast diffusion limit for reaction–diffusion systems with stochastic Neumann boundary conditions. *SIAM Journal on Mathematical Analysis*, 48(5):3547–3578, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MBK13] **Mohammed:2013:MES**  
 Wael W. Mohammed, Dirk Blömker, and Konrad Klepel. Modulation equation for stochastic Swift–Hohenberg equation. *SIAM Journal on Mathematical Analysis*, 45(1):14–30, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MBPS13] **Mirrahimi:2013:SHJ**  
 Sepideh Mirrahimi, Guy Barles, Benoît Perthame, and Panagiotis E. Souganidis. A singular Hamilton–Jacobi equation modeling the tail problem. *SIAM Journal on Mathematical Analysis*, 44(6):4297–4319, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MC14] **Mora-Corral:2014:QEC**  
 Carlos Mora-Corral. Quasistatic evolution of cavities in nonlinear elasticity. *SIAM Journal on Mathematical Analysis*, 46(1):532–571, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Med14] **Medvedev:2014:NHE**  
 Georgi S. Medvedev. The nonlinear heat equation on dense graphs and graph limits. *SIAM Journal on Mathematical Analysis*, 46(4):2743–2766, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).



**Mei:2010:BAP**

- [Mei10] Ming Mei. Best asymptotic profile for hyperbolic  $p$ -system with damping. *SIAM Journal on Mathematical Analysis*, 42(1):1–23, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Mil18]

**Melcher:2010:TFL**

- [Mel10] Christof Melcher. Thin-film limits for Landau–Lifshitz–Gilbert equations. *SIAM Journal on Mathematical Analysis*, 42(1):519–537, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Mit10]

**Melenk:2012:MPC**

- [Mel12] Jens Markus Melenk. Mapping properties of combined field Helmholtz boundary integral operators. *SIAM Journal on Mathematical Analysis*, 44(4):2599–2636, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Miz11]

**Merono:2018:FAS**

- [Mer18] Cristóbal J. Meroño. Fixed angle scattering: Recovery of singularities and its limitations. *SIAM Journal on Mathematical Analysis*, 50(5):5616–5636, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [MJ14]

**Milton:2018:AET**

Graeme W. Milton. Approximating the effective tensor as a function of the component tensors in two-dimensional composites of two anisotropic phases. *SIAM Journal on Mathematical Analysis*, 50(3):3327–3364, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Mitchener:2010:MFM**

W. Garrett Mitchener. Mean-field and measure-valued differential equation models for language variation and change in a spatially distributed population. *SIAM Journal on Mathematical Analysis*, 42(5):1899–1933, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Mizumachi:2011:SSF**

Tetsu Mizumachi.  $N$ -soliton states of the Fermi–Pasta–Ulam lattices. *SIAM Journal on Mathematical Analysis*, 43(5):2170–2210, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2170\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2170_s1).

**Manjunath:2014:DRD**

G. Manjunath and H. Jaeger. The dynamics of random

- difference equations is remodeled by closed relations. *SIAM Journal on Mathematical Analysis*, 46(1):459–483, ??? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [MM18a]
- Mindt:2019:EPC**
- [MLD19] Pascal Mindt, Jens Lang, and Pia Domschke. Entropy-preserving coupling of hierarchical gas models. *SIAM Journal on Mathematical Analysis*, 51(6):4754–4775, ??? 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [MM18b]
- Mahadevan:2011:HSC**
- [MM11] Rajesh Mahadevan and T. Muthukumar. Homogenization of some cheap control problems. *SIAM Journal on Mathematical Analysis*, 43(5):2211–2229, ??? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2211\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2211_s1).
- Ma:2017:SLL**
- [MM17] To Fu Ma and Rodrigo Nunes Monteiro. Singular limit and long-time dynamics of Bresse systems. *SIAM Journal on Mathematical Analysis*, 49(4):2468–2495, ??? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Maekawa:2018:ISS]
- Maekawa:2018:ISS**
- Yasunori Maekawa and Hideyuki Miura. On isomorphism for the space of solenoidal vector fields and its application to the incompressible flows. *SIAM Journal on Mathematical Analysis*, 50(1):339–353, ??? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Masaki:2018:LRS]
- Masaki:2018:LRS**
- Satoshi Masaki and Hayato Miyazaki. Long range scattering for nonlinear Schrödinger equations with critical homogeneous nonlinearity. *SIAM Journal on Mathematical Analysis*, 50(3):3251–3270, ??? 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Mailybaev:2011:RLT]
- Mailybaev:2011:RLT**
- [MMB11] A. A. Mailybaev, D. Marchesin, and J. Bruining. Resonance in low-temperature oxidation waves for porous media. *SIAM Journal on Mathematical Analysis*, 43(5):2230–2252, ??? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2230\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2230_s1).

- [MMP13] **Mitsoudis:2013:HEA**  
 D. A. Mitsoudis, Ch. Makridakis, and M. Plexousakis. Helmholtz equation with artificial boundary conditions in a two-dimensional waveguide. *SIAM Journal on Mathematical Analysis*, 44(6):4320–4344, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MNT13] **Marchese:2019:MTP**  
 Andrea Marchese, Annalisa Massaccesi, and Riccardo Tione. A multimaterial transport problem and its convex relaxation via rectifiable  $G$ -currents. *SIAM Journal on Mathematical Analysis*, 51(3):1965–1998, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MN12] **Muratov:2012:GEC**  
 C. B. Muratov and M. Novaga. Global exponential convergence to variational traveling waves in cylinders. *SIAM Journal on Mathematical Analysis*, 44(1):293–315, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p293\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p293_s1).
- [MN16] **Mucci:2016:LGE**  
 Domenico Mucci and Lorenzo Nicolodi. On the Landau–
- [MN18] **McKinley:2018:ADG**  
 Scott A. McKinley and Hung D. Nguyen. Anomalous diffusion and the generalized Langevin equation. *SIAM Journal on Mathematical Analysis*, 50(5):5119–5160, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MNS11] **Miyazaki:2011:DFC**  
 Rinko Miyazaki, Toshiki Naito, and Jong Son Shin. Delayed feedback control by commutative gain matrices. *SIAM Journal on Mathematical Analysis*, 43(3):1122–1144, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1122\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1122_s1).
- [MNT13] **Moradifam:2013:CIO**  
 Amir Moradifam, Adrian Nachman, and Alexandru Tamasan. Conductivity imaging from one interior measurement in the presence of perfectly conducting and insulating inclusions. *SIAM Jour-*
- de Gennes elastic energy of constrained biaxial nematics. *SIAM Journal on Mathematical Analysis*, 48(3):1954–1987, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- nal on Mathematical Analysis*, 44(6):3969–3990, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Moa11]
- [MO14] Stefan Müller and Heiner Olbermann. Almost conical deformations of thin sheets with rotational symmetry. *SIAM Journal on Mathematical Analysis*, 46(1):25–44, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Mon16]
- [MO15] Vuk Milisic and Dietmar Oelz. On a structured model for load-dependent reaction kinetics of transient elastic linkages mediating nonlinear friction. *SIAM Journal on Mathematical Analysis*, 47(3):2104–2121, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Moo16]
- [MO19] Manjun Ma and Chunhua Ou. Linear and nonlinear speed selection for mono-stable wave propagations. *SIAM Journal on Mathematical Analysis*, 51(1):321–345, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [MOR<sup>+</sup>16]
- Moameni:2011:SUC**  
Abbas Moameni. Stability under  $\Gamma$ -convergence of least energy solutions for semilinear problems in the whole  $R^N$ . *SIAM Journal on Mathematical Analysis*, 43(4):1759–1786, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1759\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1759_s1).
- Monard:2016:IAG**  
François Monard. Inversion of the attenuated geodesic X-ray transform over functions and vector fields on simple surfaces. *SIAM Journal on Mathematical Analysis*, 48(2):1155–1177, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Moon:2016:DFC**  
Sunghwan Moon. On the determination of a function from its conical Radon transform with a fixed central axis. *SIAM Journal on Mathematical Analysis*, 48(3):1833–1847, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- McCormick:2016:LBB**  
David S. McCormick, Eric J. Olson, James C. Robinson, Jose L. Rodrigo, Alejandro

- Vidal-López, and Yi Zhou. Lower bounds on blowing-up solutions of the three-dimensional Navier–Stokes equations in  $\dot{H}^{3/2}$ ,  $\dot{H}^{5/2}$ , and  $\dot{B}_{2,1}^{5/2}$ . *SIAM Journal on Mathematical Analysis*, 48(3): 2119–2132, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [MOZ10]
- [Mor19] Ryunosuke Mori. Validity of formal asymptotic expansions for singularly perturbed competition-diffusion systems. *SIAM Journal on Mathematical Analysis*, 51(2): 820–853, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Mori:2019:VFA**
- [MOS14] Alexander Mielke, Christoph Ortner, and Yasemin Sengül. An approach to nonlinear viscoelasticity via metric gradient flows. *SIAM Journal on Mathematical Analysis*, 46(2): 1317–1347, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Mielke:2014:ANV**
- [Mos18] Umberto Mosco. Finite-time self-organized-criticality on synchronized infinite grids. *SIAM Journal on Mathematical Analysis*, 50(3):2409–2440, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Mosco:2018:FTS** [MP12]
- DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Mei:2010:GSM**
- Ming Mei, Chunhua Ou, and Xiao-Qiang Zhao. Global stability of monostable traveling waves for nonlocal time-delayed reaction–diffusion equations. *SIAM Journal on Mathematical Analysis*, 42(6): 2762–2790, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [MOZ12].
- [MOZ12] Ming Mei, Chunhua Ou, and Xiao-Qiang Zhao. Erratum: “Global Stability of Monostable Traveling Waves For Nonlocal Time-delayed Reaction-diffusion Equations”. *SIAM Journal on Mathematical Analysis*, 44(1):538–540, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p538\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p538_s1). See [MOZ10]. **Mei:2012:EGS**
- Mikulevicius:2012:ESS**
- R. Mikulevicius and H. Pragarauskas. On  $L_p$ -estimates of some singular integrals related to jump processes. *SIAM Journal on Mathematical Analysis*, 44(4):2305–2328, 2012. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

**Melcher:2013:LLS**

[MP13]

Christof Melcher and Mariya Ptashnyk. Landau–Lifshitz–Slonczewski equations: Global weak and classical solutions. *SIAM Journal on Mathematical Analysis*, 45(1):407–429, ??? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[MPR10]

**Muller:2014:DIR**

[MP14]

Stefan Müller and Mariapia Palombaro. On a differential inclusion related to the Born–Infeld equations. *SIAM Journal on Mathematical Analysis*, 46(4):2385–2403, ??? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[MPS17]

**Murray:2016:ADE**

[MP16]

Ryan W. Murray and Robert L. Pego. Algebraic decay to equilibrium for the Becker–Döring equations. *SIAM Journal on Mathematical Analysis*, 48(4):2819–2842, ??? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Mallet-Paret:2014:ANS**

[MPN14]

John Mallet-Paret and Roger D. Nussbaum. Analyticity and nonanalyticity of solutions of delay-differential equations.

*SIAM Journal on Mathematical Analysis*, 46(4):2468–2500, ??? 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Manfredi:2010:AMV**

Juan J. Manfredi, Mikko Parviainen, and Julio D. Rossi. An asymptotic mean value characterization for a class of nonlinear parabolic equations related to tug-of-war games. *SIAM Journal on Mathematical Analysis*, 42(5):2058–2081, ??? 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Mora:2017:CID**

Maria Giovanna Mora, Mark A. Peletier, and Lucia Scardia. Convergence of interaction-driven evolutions of dislocations with Wasserstein dissipation and slip-plane confinement. *SIAM Journal on Mathematical Analysis*, 49(5):4149–4205, ??? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Mazzone:2019:MFF**

[MPS19]

Giusy Mazzone, Jan Prüss, and Gieri Simonett. On the motion of a fluid-filled rigid body with Navier boundary conditions. *SIAM Journal on Mathematical Analysis*, 51(3):1582–1606, ??? 2019. CO-

- DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [MQS12]
- Maddalena:2018:VPF**
- [MPT18] Francesco Maddalena, Danilo Percivale, and Franco Tomarelli. Variational problems for Föppl–von Kármán plates. *SIAM Journal on Mathematical Analysis*, 50(1):251–282, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [MR15]
- Menoukeu-Pamen:2019:SSS**
- [MPT19] Olivier Menoukeu-Pamen and Ludovic Tangpi. Strong solutions of some one-dimensional SDEs with random and unbounded drifts. *SIAM Journal on Mathematical Analysis*, 51(5):4105–4141, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [MRS16]
- Mucha:2015:HCC**
- [MPZ15] P. B. Mucha, M. Pokorný, and E. Zatorska. Heat-conducting, compressible mixtures with multicomponent diffusion: Construction of a weak solution. *SIAM Journal on Mathematical Analysis*, 47(5):3747–3797, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [MRT14]
- Marinelli:2012:EWS**
- Carlo Marinelli and Lluís Quer-Sardanyons. Existence of weak solutions for a class of semilinear stochastic wave equations. *SIAM Journal on Mathematical Analysis*, 44(2):906–925, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Munnier:2015:AAN**
- Alexandre Munnier and Karim Ramdani. Asymptotic analysis of a Neumann problem in a domain with cusp. application to the collision problem of rigid bodies in a perfect fluid. *SIAM Journal on Mathematical Analysis*, 47(6):4360–4403, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Mercuri:2016:RRL**
- Carlo Mercuri, Giuseppe Riey, and Bernardino Sciunzi. A regularity result for the  $p$ -Laplacian near uniform ellipticity. *SIAM Journal on Mathematical Analysis*, 48(3):2059–2075, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Mazon:2014:OMP**
- José M. Mazón, Julio D. Rossi, and Julián Toledo. An optimal matching prob-

- lem for the Euclidean distance. *SIAM Journal on Mathematical Analysis*, 46(1): 233–255, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [MS11]
- [MRT15] Mei Ming, Frederic Rousset, and Nikolay Tzvetkov. Multi-solitons and related solutions for the water-waves system. *SIAM Journal on Mathematical Analysis*, 47(1): 897–954, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [MS13a]
- [MRV12] Antonino Morassi, Edi Rosset, and Sergio Vessella. Stable determination of a rigid inclusion in an anisotropic elastic plate. *SIAM Journal on Mathematical Analysis*, 44(3): 2204–2235, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [MS13b]
- [MRV19] Antonino Morassi, Edi Rosset, and Sergio Vessella. Optimal stability in the identification of a rigid inclusion in an isotropic Kirchhoff–Love plate. *SIAM Journal on Mathematical Analysis*, 51(2): 731–747, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [MS14]
- [McCann:2011:HCO] R. J. McCann and M. Sio. Hölder continuity for optimal multivalued mappings. *SIAM Journal on Mathematical Analysis*, 43(4):1855–1871, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1855\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1855_s1).
- [Mascia:2013:MNP] Corrado Mascia and Marta Strani. Metastability for nonlinear parabolic equations with application to scalar viscous conservation laws. *SIAM Journal on Mathematical Analysis*, 45(5):3084–3113, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Mugnai:2013:CRA] Luca Mugnai and Christian Seis. On the coarsening rates for attachment-limited kinetics. *SIAM Journal on Mathematical Analysis*, 45(1): 324–344, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Morini:2014:CMN] Massimiliano Morini and Peter Sternberg. Cascade of min-



- imizers for a nonlocal isoperimetric problem in thin domains. *SIAM Journal on Mathematical Analysis*, 46(3): 2033–2051, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MS16] Alexandre Montaru and Boyan Sirakov. Stationary states of reaction–diffusion and Schrödinger systems with inhomogeneous or controlled diffusion. *SIAM Journal on Mathematical Analysis*, 48(4): 2561–2587, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MS18a] Satoshi Masaki and Jun-ichi Segata. Refinement of Strichartz estimates for Airy equation in nondiagonal case and its application. *SIAM Journal on Mathematical Analysis*, 50(3):2839–2866, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MS18b] Alpár Richárd Mészáros and Francisco J. Silva. On the variational formulation of some stationary second-order mean field games systems. *SIAM Journal on Mathematical Analysis*, 50(1): 1255–1277, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MSTY16] H. Mitake, A. Siconolfi, H. V. Tran, and N. Yamada. A Lagrangian approach to weakly coupled Hamilton–Jacobi systems. *SIAM Journal on Mathematical Analysis*, 48(2): 821–846, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MSZ13] Mei Ming, Jean Claude Saut, and Ping Zhang. Long-time existence of solutions to Boussinesq systems. *SIAM Journal on Mathematical Analysis*, 44(6): 4078–4100, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MSZ19] Stanisław Migórski, Mircea Sofonea, and Shengda Zeng. Well-posedness of history-dependent sweeping processes. *SIAM Journal on Mathematical Analysis*, 51(2): 1082–1107, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Mitake:2016:LAW****Montaru:2016:SSR****Ming:2013:LTE****Masaki:2018:RSE****Migorski:2019:WPH****Meszáros:2018:VFS**

- [MT13] **Matthies:2013:SAJ**  
 Karsten Matthies and Florian Theil. A semigroup approach to the justification of kinetic theory. *SIAM Journal on Mathematical Analysis*, 44(6): 4345–4379, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MT15] **Mizuno:2015:CAC**  
 Masashi Mizuno and Yoshihiro Tonegawa. Convergence of the Allen–Cahn equation with Neumann boundary conditions. *SIAM Journal on Mathematical Analysis*, 47(3): 1906–1932, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [MT16].
- [MT16] **Mizuno:2016:ET**  
 Masashi Mizuno and Yoshihiro Tonegawa. Erratum to “Convergence of the Allen–Cahn Equation with Neumann Boundary Conditions”. *SIAM Journal on Mathematical Analysis*, 48(4):3035–3036, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [MT15].
- [MT19] **Matthies:2019:ROS**  
 Karsten Matthies and Florian Theil. Rescaled objective solutions of Fokker–Planck and Boltzmann equations. *SIAM Journal on Mathematical Analysis*, 51(2): 1321–1348, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Mun12] **Munoz:2012:DSL**  
 Claudio Muñoz. Dynamics of soliton-like solutions for slowly varying, generalized KdV equations: Refraction versus reflection. *SIAM Journal on Mathematical Analysis*, 44(1):1–60, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p1\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p1_s1).
- [Mur14] **Murphy:2014:INC**  
 Jason Murphy. Intercritical NLS: Critical  $\dot{H}^s$ -bounds imply scattering. *SIAM Journal on Mathematical Analysis*, 46(1):939–997, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MV19] **Molchanov:2019:PDM**  
 Stanislav Molchanov and Boris Vainberg. Population dynamics with moderate tails of the underlying random walk. *SIAM Journal on Mathematical Analysis*, 51(3): 1824–1835, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [MW17] **Metcalf:2017:SCA**  
 Jason Metcalfe and Chengbo Wang. The Strauss conjecture on asymptotically flat space-times. *SIAM Journal on Mathematical Analysis*, 49(6):4579–4594, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MX19] **Miao:2019:RIC**  
 Changxing Miao and Liutang Xue. On the regularity issues of a class of drift-diffusion equations with nonlocal diffusion. *SIAM Journal on Mathematical Analysis*, 51(4):2927–2970, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MY12] **Matsumura:2012:ABS**  
 Akitaka Matsumura and Natsumi Yoshida. Asymptotic behavior of solutions to the Cauchy problem for the scalar viscous conservation law with partially linearly degenerate flux. *SIAM Journal on Mathematical Analysis*, 44(4):2526–2544, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MY17] **Miroshnikov:2017:WSI**  
 Alexey Miroshnikov and Robin Young. Weak\* solutions II: The vacuum in Lagrangian gas dynamics. *SIAM Journal on Mathematical Analysis*, 49(3):1810–1843, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MZ13] **Mohammed:2013:SBE**  
 Salah-Eldin A. Mohammed and Tusheng Zhang. Stochastic Burgers equation with random initial velocities: a Malliavin calculus approach. *SIAM Journal on Mathematical Analysis*, 45(4):2396–2420, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MZ18] **Michel:2018:SAK**  
 Laurent Michel and Maciej Zworski. A semiclassical approach to the Kramers–Smoluchowski equation. *SIAM Journal on Mathematical Analysis*, 50(5):5362–5379, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MZZ12] **Ming:2012:LWA**  
 Mei Ming, Ping Zhang, and Zhifei Zhang. Long-wave approximation to the 3-D capillary-gravity waves. *SIAM Journal on Mathematical Analysis*, 44(4):2920–2948, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [Nad10] **Nadin:2010:ESR**  
Grégoire Nadin. The effect of the Schwarz rearrangement on the periodic principal eigenvalue of a nonsymmetric operator. *SIAM Journal on Mathematical Analysis*, 41(6):2388–2406, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Naz12] **Nazarov:2012:CZH**  
A. I. Nazarov. A centennial of the Zaremba–Hopf–Oleinik Lemma. *SIAM Journal on Mathematical Analysis*, 44(1):437–453, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p437\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p437_s1).
- [Nes14] **Nesensohn:2014:GVF**  
Manuel Nesensohn. Generalized viscoelastic fluids with a free boundary without surface tension. *SIAM Journal on Mathematical Analysis*, 46(1):428–458, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Neu16] **Neumayer:2016:SFQ**  
Robin Neumayer. A strong form of the quantitative Wulff inequality. *SIAM Journal on Mathematical Analysis*, 48(3):1727–1772, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ngu10] **Nguyen:2010:ASN**  
Toan Nguyen. On asymptotic stability of noncharacteristic viscous boundary layers. *SIAM Journal on Mathematical Analysis*, 42(3):1156–1178, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ngu13] **Nguyen:2013:RSA**  
Hoai-Minh Nguyen. On a regularized scheme for approximate acoustic cloaking using transformation optics. *SIAM Journal on Mathematical Analysis*, 45(5):3034–3049, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ngu15] **Nguyen:2015:ALD**  
Linh V. Nguyen. On artifacts in limited data spherical Radon transform: Flat observation surfaces. *SIAM Journal on Mathematical Analysis*, 47(4):2984–3004, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ngu16] **Nguyen:2016:PLP**  
Quang-Huy Nguyen. A pseudo-local property of gravity water waves system. *SIAM Journal on Mathematical Analysis*, 48(3):1988–

- 2027, ????. 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [NN12]
- [Ngu17] **Nguyen:2017:CAO**  
 Hoai-Minh Nguyen. Cloaking an arbitrary object via anomalous localized resonance: The cloak is independent of the object. *SIAM Journal on Mathematical Analysis*, 49(4):3208–3232, ????. 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [NN19]
- [Nii12] **Niikuni:2012:DSG**  
 Hiroaki Niikuni. On the degenerate spectral gaps of the one-dimensional Schrödinger operators with periodic point interactions. *SIAM Journal on Mathematical Analysis*, 44(4):2847–2870, ????. 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [NNS18]
- [NKV19] **Nguyen:2019:AQR**  
 Huy Tuan Nguyen, Vo Anh Khoa, and Van Au Vo. Analysis of a quasi-reversibility method for a terminal value quasi-linear parabolic problem with measurements. *SIAM Journal on Mathematical Analysis*, 51(1):60–85, ????. 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Nol11]
- Nesenenko:2012:WPD**  
 Sergiy Nesenenko and Patrizio Neff. Well-posedness for dislocation based gradient viscoplasticity I: Subdifferential case. *SIAM Journal on Mathematical Analysis*, 44(3):1694–1712, ????. 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Nguyen:2019:ILN**  
 Toan T. Nguyen and Trinh T. Nguyen. The inviscid limit of Navier–Stokes equations for vortex-wave data on  $\mathbf{R}^2$ . *SIAM Journal on Mathematical Analysis*, 51(3):2575–2598, ????. 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Naidenov:2018:LCV**  
 Nikola Naidenov, Geno Nikolov, and Alexei Shadrin. On the largest critical value of  $T_n^{(k)}$ . *SIAM Journal on Mathematical Analysis*, 50(3):2389–2408, ????. 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Nolen:2011:IPR**  
 James Nolen. An invariance principle for random traveling waves in one dimension. *SIAM Journal on Mathematical Analysis*, 43(1):153–188, ????. 2011. CO-

- DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p153\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p153_s1). [NP11]
- [NOS12] Shinya Nishibata, Masashi Ohnawa, and Masahiro Suzuki. Asymptotic stability of boundary layers to the Euler–Poisson equations arising in plasma physics. *SIAM Journal on Mathematical Analysis*, 44(2):761–790, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Nov18] Michael R. Novack. Dimension reduction for the Landau–de Gennes model: The vanishing nematic correlation length limit. *SIAM Journal on Mathematical Analysis*, 50(6):6007–6048, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Nov19] Matthew D. Novack. On the weak solutions to the three-dimensional inviscid quasi-geostrophic system. *SIAM Journal on Mathematical Analysis*, 51(3):2686–2712, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [NP11] Antonín Novotný and Milan Pokorný. Weak and variational solutions to steady equations for compressible heat conducting fluids. *SIAM Journal on Mathematical Analysis*, 43(3):1158–1188, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1158\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1158_s1).
- [NP16] Hong Thai Nguyen and Dariusz Paczka. Weak and Young measure solutions for hyperbolic initial boundary value problems of elastodynamics in the Orlicz–Sobolev space setting. *SIAM Journal on Mathematical Analysis*, 48(2):1297–1331, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [NPS13] Andrea R. Nahmod, Natasa Pavlović, and Gigliola Staffilani. Almost sure existence of global weak solutions for supercritical Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 45(6):3431–3452, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [NPS18] **Neves:2018:STC**  
Wladimir Neves, Evgeniy Panov, and Jean Silva. Strong traces for conservation laws with general nonautonomous flux. *SIAM Journal on Mathematical Analysis*, 50(6):6049–6081, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [NRS17] **Nijholt:2017:CMC**  
Eddie Nijholt, Bob Rink, and Jan Sanders. Center manifolds of coupled cell networks. *SIAM Journal on Mathematical Analysis*, 49(5):4117–4148, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [NS12] **Nakanishi:2012:IMA**  
K. Nakanishi and W. Schlag. Invariant manifolds around soliton manifolds for the nonlinear Klein–Gordon equation. *SIAM Journal on Mathematical Analysis*, 44(2):1175–1210, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [NS13] **Nguyen:2013:SAC**  
Toan T. Nguyen and Walter A. Strauss. Stability analysis of collisionless plasmas with specularly reflecting boundary. *SIAM Journal on Mathematical Analysis*, 45(2):777–808, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [NNS17] **Neukamm:2017:SHN**  
Stefan Neukamm, Mathias Schäffner, and Anja Schlömerkemper. Stochastic homogenization of nonconvex discrete energies with degenerate growth. *SIAM Journal on Mathematical Analysis*, 49(3):1761–1809, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [NT13] **Nazarov:2013:LEE**  
Sergey A. Nazarov and Jari Taskinen. Localization estimates for eigenfrequencies of waves trapped by a freely floating body in a channel. *SIAM Journal on Mathematical Analysis*, 45(4):2523–2545, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [NT14] **Negreanu:2014:TSC**  
Mihaela Negreanu and J. Ignacio Tello. On a two species chemotaxis model with slow chemical diffusion. *SIAM Journal on Mathematical Analysis*, 46(6):3761–3781, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [NT18] **Nguyen:2018:KEZ**  
 Toan T. Nguyen and Minh-Binh Tran. On the kinetic equation in Zakharov's wave turbulence theory for capillary waves. *SIAM Journal on Mathematical Analysis*, 50(2): 2020–2047, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [NT19] **Nguyen:2019:ACT**  
 Hoai-Minh Nguyen and Loc X. Tran. Approximate cloaking for time-dependent Maxwell equations via transformation optics. *SIAM Journal on Mathematical Analysis*, 51(5): 4142–4171, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [NTW19] **Nochetto:2019:DFG**  
 Ricardo H. Nochetto, Konstantina Trivisa, and Franziska Weber. On the dynamics of ferrofluids: Global weak solutions to the rosenweig system and rigorous convergence to equilibrium. *SIAM Journal on Mathematical Analysis*, 51(6): 4245–4286, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [NUW11] **Nagayasu:2011:RPO**  
 Sei Nagayasu, Gunther Uhlmann, and Jenn-Nan Wang. Reconstruction of penetrable obstacles in acoustic scattering. *SIAM Journal on Mathematical Analysis*, 43(1): 189–211, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p189\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p189_s1).
- [NV12] **Nguyen:2012:ACF**  
 Hoai-Minh Nguyen and Michael S. Vogelius. Approximate cloaking for the full wave equation via change of variables. *SIAM Journal on Mathematical Analysis*, 44(3):1894–1924, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [NW17] **Ninomiya:2017:TCW**  
 Hirokazu Ninomiya and Chang-Hong Wu. Traveling curved waves in two-dimensional excitable media. *SIAM Journal on Mathematical Analysis*, 49(2):777–817, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Oh10] **Oh:2010:IGM**  
 Tadahiro Oh. Invariance of the Gibbs measure for the Schrödinger–Benjamin-Ono system. *SIAM Journal on Mathematical Analysis*, 41(6):2207–2225, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).



- [Oh15] **Oh:2015:NSE** Tadahiro Oh. On nonlinear Schrödinger equations with almost periodic initial data. *SIAM Journal on Mathematical Analysis*, 47(2): 1253–1270, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ohn14] **Ohnawa:2014:SCS** Masashi Ohnawa.  $L^\infty$ -stability of continuous shock waves in a radiating gas model. *SIAM Journal on Mathematical Analysis*, 46(3): 2136–2159, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ohn15] **Ohnawa:2015:ASP** Masashi Ohnawa. Asymptotic stability of plasma boundary layers to the Euler–Poisson equations with fluid-boundary interaction. *SIAM Journal on Mathematical Analysis*, 47(4): 2795–2831, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ohn16] **Ohnawa:2016:SDT** Masashi Ohnawa.  $L^\infty$ -stability of discontinuous traveling waves in a hyperbolic-elliptic coupled system. *SIAM Journal on Mathematical Analysis*, 48(6):3820–3839, 2016. CODEN
- [Ohb19] **Olbermann:2019:LWF** Heiner Olbermann. On a  $\Gamma$ -limit of Willmore functionals with additional curvature penalization term. *SIAM Journal on Mathematical Analysis*, 51(3):2599–2632, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ono11] **Onodera:2011:SIH** Michiaki Onodera. Stability of the interface of a Hele–Shaw flow with two injection points. *SIAM Journal on Mathematical Analysis*, 43(4): 1810–1834, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1810\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1810_s1).
- [OR17] **Osting:2017:CDP** Braxton Osting and Todd Harry Reeb. Consistency of Dirichlet partitions. *SIAM Journal on Mathematical Analysis*, 49(5): 4251–4274, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [OR19] **Ozanski:2019:PRS** Wojciech S. Ożański and James C. Robinson. Partial regularity for a surface growth model. *SIAM Journal*
- SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- on *Mathematical Analysis*, 51(1):228–255, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [OSW19] Felix Otto, Sebastian Scholtes and Maria G. Westdickenberg. Optimal  $L^1$ -type relaxation rates for the Cahn–Hilliard equation on the line. *SIAM Journal on Mathematical Analysis*, 51(6):4645–4682, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Otw10] Thomas H. Otway. Unique solutions to boundary value problems in the cold plasma model. *SIAM Journal on Mathematical Analysis*, 42(6):3045–3053, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3045\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3045_s1).
- [Ovc11] Evgeni Y. Ovcharov. Strichartz estimates for the kinetic transport equation. *SIAM Journal on Mathematical Analysis*, 43(3):1282–1310, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1282\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1282_s1).
- [OW14] Felix Otto and Maria G. Westdickenberg. Relaxation to equilibrium in the one-dimensional Cahn–Hilliard equation. *SIAM Journal on Mathematical Analysis*, 46(1):720–756, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Pal14] Christophe Pallard. Space moments of the Vlasov–Poisson system: Propagation and regularity. *SIAM Journal on Mathematical Analysis*, 46(3):1754–1770, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Pan12a] Evgeniy Panov. On weak completeness of the set of entropy solutions to a degenerate nonlinear parabolic equation. *SIAM Journal on Mathematical Analysis*, 44(1):513–535, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p513\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p513_s1).
- [Pan12b] Casian Pantea. On the persistence and global stabil-

- ity of mass-action systems. *SIAM Journal on Mathematical Analysis*, 44(3):1636–1673, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Pas13]
- [Pao15] Laetitia Paoli. Vibro-impact problems with dry friction — Part I: Existence result. *SIAM Journal on Mathematical Analysis*, 47(5):3285–3313, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Paoli:2015:VIP**
- [Pao16] Laetitia Paoli. Vibro-impact problems with dry friction — Part II: Tangential contacts and frictional catastrophes. *SIAM Journal on Mathematical Analysis*, 48(2):1272–1296, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Paoli:2016:VIP**
- [Pas11] Brendan Pass. Uniqueness and Monge solutions in the multimarginal optimal transportation problem. *SIAM Journal on Mathematical Analysis*, 43(6):2758–2775, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2758\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2758_s1). **Pass:2011:UMS**
- [Pas13] Brendan Pass. On a class of optimal transportation problems with infinitely many marginals. *SIAM Journal on Mathematical Analysis*, 45(4):2557–2575, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Pass:2013:COT**
- [PD17] M. Campos Pinto and B. Després. Constructive formulations of resonant Maxwell’s equations. *SIAM Journal on Mathematical Analysis*, 49(5):3637–3670, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Pinto:2017:CFR**
- [Ped15] Pablo Pedregal. Weak limits in nonlinear conductivity. *SIAM Journal on Mathematical Analysis*, 47(2):1154–1168, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Pedregal:2015:WLN**
- [Pen15] Yue-Jun Peng. Uniformly global smooth solutions and convergence of Euler–Poisson systems with small parameters. *SIAM Journal on Mathematical Analysis*, 47(2):1355–1376, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Peng:2015:UGS**

DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Peng:2017:CLD**

[Pen17]

Guanying Peng. Convergence of the Lawrence–Doniach energy for layered superconductors with magnetic fields near  $H_{c1}$ . *SIAM Journal on Mathematical Analysis*, 49(2):1225–1266, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Perepelitsa:2010:ATR**

[Per10]

Misha Perepelitsa. Asymptotics toward rarefaction waves and vacuum for 1-D compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 42(3):1404–1412, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Perepelitsa:2015:KFE**

[Per15]

Misha Perepelitsa. On a kinetic formulation of the Euler equations. *SIAM Journal on Mathematical Analysis*, 47(3):2074–2083, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Peszek:2015:DCS**

[Pes15]

Jan Peszek. Discrete Cucker–Smale flocking model with a weakly singular weight.

*SIAM Journal on Mathematical Analysis*, 47(5):3671–3686, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Pimentel:2016:USG**

[Pim16]

Juliana F. S. Pimentel. Unbounded Sturm global attractors for semilinear parabolic equations on the circle. *SIAM Journal on Mathematical Analysis*, 48(6):3860–3882, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Pinezich:2019:PSN**

[Pin19]

John D. Pinezich. Propagation of singularities in nonconvex Hamilton–Jacobi problems: Local structure in two dimensions. *SIAM Journal on Mathematical Analysis*, 51(5):3796–3818, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Plakhov:2014:PMR**

[Pla14]

Alexander Plakhov. The problem of minimal resistance for functions and domains. *SIAM Journal on Mathematical Analysis*, 46(4):2730–2742, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [PLPSS18] **Perez-Llanos:2018:OFM**  
 Mayte Pérez-Llanos, Juan P. Pinasco, Nicolas Saintier, and Analía Silva. Opinion formation models with heterogeneous persuasion and zealotry. *SIAM Journal on Mathematical Analysis*, 50(5):4812–4837, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Poh15] **Pohjola:2015:URI**  
 Valter Pohjola. A uniqueness result for an inverse problem of the steady state convection-diffusion equation. *SIAM Journal on Mathematical Analysis*, 47(3):2084–2103, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Pol17] **Polacik:2017:PPT**  
 P. Poláčik. Planar propagating terraces and the asymptotic one-dimensional symmetry of solutions of semilinear parabolic equations. *SIAM Journal on Mathematical Analysis*, 49(5):3716–3740, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PP19] **Poon:2019:MSS**  
 Clarice Poon and Gabriel Peyré. Multidimensional sparse super-resolution. *SIAM Journal on Mathematical Analysis*, 51(1):1–44, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PPP13] **Piat:2013:LES**  
 V. Chiadò Piat, I. Pankratova, and A. Piatnitski. Localization effect for a spectral problem in a perforated domain with Fourier boundary conditions. *SIAM Journal on Mathematical Analysis*, 45(3):1302–1327, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PPPV16] **Pagani:2016:CAG**  
 Carlo D. Pagani, Dario Pierotti, Angela Pistoia, and Giusi Vaira. Concentration along geodesics for a nonlinear Steklov problem arising in corrosion modeling. *SIAM Journal on Mathematical Analysis*, 48(2):1085–1108, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PR13] **Popoff:2013:WML**  
 Nicolas Popoff and Nicolas Raymond. When the 3D magnetic Laplacian meets a curved edge in the semiclassical limit. *SIAM Journal on Mathematical Analysis*, 45(4):2354–2395, 2013. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic).
- [Pra13] **Prange:2013:AAB**  
 Christophe Prange. Asymptotic analysis of boundary layer correctors in periodic homogenization. *SIAM Journal on Mathematical Analysis*, 45(1):345–387, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PSZ19a] **Piccoli:2015:CFK**  
 Benedetto Piccoli, Francesco Rossi, and Emmanuel Trélat. Control to flocking of the kinetic Cucker–Smale model. *SIAM Journal on Mathematical Analysis*, 47(6):4685–4719, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PRT15] **Pinski:2015:KLA**  
 F. J. Pinski, G. Simpson, A. M. Stuart, and H. Weber. Kullback–Leibler approximation for probability measures on infinite dimensional spaces. *SIAM Journal on Mathematical Analysis*, 47(6):4091–4122, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PSSW15] **Peletier:2010:DRC**  
 Mark A. Peletier, Giuseppe Savaré, and Marco Veneroni. From diffusion to reaction via  $\Gamma$ -convergence. *SIAM Journal on Mathematical Analysis*, 42(4):1805–1825, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PSZ19b] **Pellet:2019:HHC**  
 Xavier Pellet, Lucia Scardia, and Caterina Ida Zepieri. Homogenization of high-contrast Mumford–Shah energies. *SIAM Journal on Mathematical Analysis*, 51(3):1696–1729, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PT11] **Piasecki:2019:SDC**  
 Tomasz Piasecki, Yoshihiro Shibata, and Ewelina Zatorska. On strong dynamics of compressible two-component mixture flow. *SIAM Journal on Mathematical Analysis*, 51(4):2793–2849, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PSV10] **Privault:2011:DEF**  
 Nicolas Privault and Giovanni Luca Torrisi. Density estimation of functionals of spatial point processes with application to wireless networks. *SIAM Journal on Mathematical Analysis*, 43(3):1311–1344, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL <http://epubs>.

siam.org/sima/resource/  
1/sjmaah/v43/i3/p1311\_s1.

**Piccoli:2018:GBE**

- [PT18] Benedetto Piccoli and Magali Tournus. A general BV existence result for conservation laws with spatial heterogeneities. *SIAM Journal on Mathematical Analysis*, 50(3):2901–2927, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Pu:2013:DLE**

- [Pu13] Xueke Pu. Dispersive limit of the Euler–Poisson system in higher dimensions. *SIAM Journal on Mathematical Analysis*, 45(2):834–878, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Palacios:2018:QAM**

- [PUW18] Benjamin Palacios, Gunther Uhlmann, and Yiran Wang. Quantitative analysis of metal artifacts in X-ray tomography. *SIAM Journal on Mathematical Analysis*, 50(5):4914–4936, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Plotnikov:2015:INS**

- [PW15] P. I. Plotnikov and W. Weigant. Isothermal Navier–Stokes equations and Radon transform.

*SIAM Journal on Mathematical Analysis*, 47(1):626–653, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Perrin:2018:ODG**

- [PW18] C. Perrin and M. Westdickenberg. One-dimensional granular system with memory effects. *SIAM Journal on Mathematical Analysis*, 50(6):5921–5946, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Peng:2011:RLG**

- [PWG11] Yue-Jun Peng, Shu Wang, and Qilong Gu. Relaxation limit and global existence of smooth solutions of compressible Euler–Maxwell equations. *SIAM Journal on Mathematical Analysis*, 43(2):944–970, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p944\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p944_s1).

**Pu:2017:LLE**

- [PWW17] Xueke Pu, Meng Wang, and Wendong Wang. The Landau–Lifshitz equation of the ferromagnetic spin chain and Oseen–Frank flow. *SIAM Journal on Mathematical Analysis*, 49(6):5134–5157, 2017. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

**Procesi:2013:QTF**

- [PX13] Michela Procesi and Xindong Xu. Quasi-Töplitz functions in KAM Theorem. *SIAM Journal on Mathematical Analysis*, 45(4):2148–2181, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Pedregal:2010:DMM**

- [PY10] Pablo Pedregal and Baisheng Yan. A duality method for micromagnetics. *SIAM Journal on Mathematical Analysis*, 41(6):2431–2452, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Polacik:2014:LSS**

- [PY14] Peter Poláčik and Eiji Yanagida. Localized solutions of a semilinear parabolic equation with a recurrent nonstationary asymptotics. *SIAM Journal on Mathematical Analysis*, 46(5):3481–3496, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Paicu:2011:GER**

- [PZ11] Marius Paicu and Arghir Zarnescu. Global existence and regularity for the full coupled Navier–Stokes and  $Q$ -tensor system.

*SIAM Journal on Mathematical Analysis*, 43(5):2009–2049, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2009\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2009_s1).

**Pawlow:2013:GRS**

- [PZ13] Irena Pawlow and Wojciech M. Zajączkowski. Global regular solutions to a Kelvin–Voigt type thermoviscoelastic system. *SIAM Journal on Mathematical Analysis*, 45(4):1997–2045, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Piatnitski:2017:PHN**

- [PZ17] A. Piatnitski and E. Zhizhina. Periodic homogenization of nonlocal operators with a convolution-type kernel. *SIAM Journal on Mathematical Analysis*, 49(1):64–81, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Peng:2019:ABP**

- [PZZ19] Rui Peng, Guanghui Zhang, and Maolin Zhou. Asymptotic behavior of the principal eigenvalue of a linear second order elliptic operator with small/large diffusion coefficient. *SIAM Journal on Mathematical Analysis*, 51(6):4724–4753, 2019. CODEN SJMAAH. ISSN 0036-



- 1410 (print), 1095-7154 (electronic).
- [Qin15] **Qin:2015:WPD**  
Wen-Xin Qin. Wave propagation in diatomic lattices. *SIAM Journal on Mathematical Analysis*, 47(1):477–497, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [QS12] **Quittner:2012:SCS**  
Pavol Quittner and Philippe Souplet. Symmetry of components for semilinear elliptic systems. *SIAM Journal on Mathematical Analysis*, 44(4):2545–2559, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [QW11] **Qin:2011:LTB**  
Xiaohong Qin and Yi Wang. Large-time behavior of solutions to the inflow problem of full compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 43(1):341–366, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p341\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p341_s1).
- [QWE19] **Qiao:2019:VTP**  
Yangyang Qiao, Huanyao Wen, and Steinar Evje. Viscous two-phase flow in porous media driven by source terms: Analysis and numerics. *SIAM Journal on Mathematical Analysis*, 51(6):5103–5140, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Rei18] **Rein:2018:ABS**  
Gerhard Rein. The asymptotic behavior of solutions to the repulsive  $n$ -body problem. *SIAM Journal on Mathematical Analysis*, 50(1):1–4, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Rey12] **Rey:2012:BAA**  
Thomas Rey. Blow up analysis for anomalous granular gases. *SIAM Journal on Mathematical Analysis*, 44(3):1544–1561, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ria10] **Riaza:2010:SLQ**  
Ricardo Riaza. Stability loss in quasilinear DAEs by divergence of a pencil eigenvalue. *SIAM Journal on Mathematical Analysis*, 41(6):2226–2245, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Rod16] **Rodiac:2016:RPS**  
Rémy Rodiac. Regularity properties of stationary harmonic functions whose Lapla-

- cian is a Radon measure. *SIAM Journal on Mathematical Analysis*, 48(4):2495–2531, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [RR13]
- [Rou10] **Roubicek:2010:TRI** Tomáš Roubíček. Thermodynamics of rate-independent processes in viscous solids at small strains. *SIAM Journal on Mathematical Analysis*, 42(1):256–297, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Rou13] **Roubicek:2013:ACV** Tomáš Roubíček. Adhesive contact of visco-elastic bodies and defect measures arising by vanishing viscosity. *SIAM Journal on Mathematical Analysis*, 45(1):101–126, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [RP18] **Riva:2018:VTM** Matteo Dalla Riva and Luigi Provenzano. On vibrating thin membranes with mass concentrated near the boundary: an asymptotic analysis. *SIAM Journal on Mathematical Analysis*, 50(3):2928–2967, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [RR17]
- Ramming:2013:SSE** Tobias Ramming and Gerhard Rein. Spherically symmetric equilibria for self-gravitating kinetic or fluid models in the nonrelativistic and relativistic case — a simple proof for finite extension. *SIAM Journal on Mathematical Analysis*, 45(2):900–914, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Rocca:2015:E** Elisabetta Rocca and Riccarda Rossi. “Entropic” solutions to a thermodynamically consistent PDE system for phase transitions and damage. *SIAM Journal on Mathematical Analysis*, 47(4):2519–2586, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Rivera:2017:TPT** Jaime E. Muñoz Rivera and Reinhard Racke. Transmission problems in (thermo)viscoelasticity with Kelvin–Voigt damping: Nonexponential, strong, and polynomial stability. *SIAM Journal on Mathematical Analysis*, 49(5):3741–3765, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [RSS17] **Roth:2017:RPE**  
 Gregory Roth, Paul L. Salceanu, and Sebastian J. Schreiber. Robust permanence for ecological maps. *SIAM Journal on Mathematical Analysis*, 49(5):3527–3549, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [RSZ18] **Ran:2018:NBV**  
 Yu Ran, Shu-Ming Sun, and Bing-Yu Zhang. Nonhomogeneous boundary value problems of nonlinear Schrödinger equations in a half plane. *SIAM Journal on Mathematical Analysis*, 50(3):2773–2806, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [RT17] **Rossi:2017:CRI**  
 Riccarda Rossi and Marita Thomas. Coupling rate-independent and rate-dependent processes: Existence results. *SIAM Journal on Mathematical Analysis*, 49(2):1419–1494, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [RTT19] **Remond-Tiedrez:2019:VSW**  
 Antoine Remond-Tiedrez and Ian Tice. The viscous surface wave problem with generalized surface energies. *SIAM Journal on Mathematical Analysis*, 51(6):4894–4952, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [RTV17] **Rossi:2017:EFK**  
 Luca Rossi, Andrea Tellini, and Enrico Valdinoci. The effect on Fisher–KPP propagation in a cylinder with fast diffusion on the boundary. *SIAM Journal on Mathematical Analysis*, 49(6):4595–4624, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [RTY16] **Radu:2016:GDP**  
 Petronela Radu, Grozdena Todorova, and Borislav Jordanov. The generalized diffusion phenomenon and applications. *SIAM Journal on Mathematical Analysis*, 48(1):174–203, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [RTZ17] **Ren:2017:CVS**  
 Zhenjie Ren, Nizar Touzi, and Jianfeng Zhang. Comparison of viscosity solutions of fully nonlinear degenerate parabolic path-dependent PDEs. *SIAM Journal on Mathematical Analysis*, 49(5):4093–4116, 2017. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

**Ribaud:2012:WPR**

- [RV12] Francis Ribaud and Stéphane Vento. Well-posedness results for the three-dimensional Zakharov–Kuznetsov equation. *SIAM Journal on Mathematical Analysis*, 44(4):2289–2304, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Ren:2014:ASD**

- [RW14] Xiaofeng Ren and Juncheng Wei. Asymmetric and symmetric double bubbles in a ternary inhibitory system. *SIAM Journal on Mathematical Analysis*, 46(4):2798–2852, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Ren:2011:LTS**

- [RZ11] Jie Ren and Xicheng Zhang. Limit theorems for stochastic differential equations with discontinuous coefficients. *SIAM Journal on Mathematical Analysis*, 43(1):302–321, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p302\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p302_s1).

[RZ14]

**Renclawowicz:2014:GNN**

Joanna Renclawowicz and Wojciech M. Zajączkowski. Global nonstationary Navier–Stokes motion with large flux. *SIAM Journal on Mathematical Analysis*, 46(4):2581–2613, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Rodrigues:2016:PCD**

[RZ16]

L. Miguel Rodrigues and Kevin Zumbrun. Periodic-coefficient damping estimates, and stability of large-amplitude roll waves in inclined thin film flow. *SIAM Journal on Mathematical Analysis*, 48(1):268–280, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Ren:2017:LDA**

[RZ17]

Siqi Ren and Weiren Zhao. Linear damping of Alfvén waves by phase mixing. *SIAM Journal on Mathematical Analysis*, 49(3):2101–2137, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Ruland:2018:HSR**

[RZZ18]

Angkana Rüland, Christian Zillinger, and Barbara Zwicknagl. Higher Sobolev regularity of convex integration solutions in elasticity: The Dirichlet problem with affine data

- in  $\text{int}(K^{lc})$ . *SIAM Journal on Mathematical Analysis*, 50(4): 3791–3841, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [SCB17]
- [Sab13] Julien Sabin. Charge renormalization and static electron/positron pair production for a nonlinear Dirac model with weak interactions. *SIAM Journal on Mathematical Analysis*, 45(4): 2099–2147, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [SCB20]
- [Sac18] Andrea Sacchetti. Nonlinear Stark–Wannier equation. *SIAM Journal on Mathematical Analysis*, 50(6):5783–5810, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Sch10]
- [Sal12] R. G. Salakhudinov. Refined inequalities for Euclidean moments of a domain with respect to its boundary. *SIAM Journal on Mathematical Analysis*, 44(4):2949–2961, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Sch14a]
- [Sprengel:2017:TIT] M. Sprengel, G. Ciaramella, and A. Borzi. A theoretical investigation of time-dependent Kohn–Sham equations. *SIAM Journal on Mathematical Analysis*, 49(3): 1681–1704, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [SCB20]. [Sprengel:2020:ETI] M. Sprengel, G. Ciaramella, and A. Borzi. Erratum: A Theoretical Investigation of Time-dependent Kohn–Sham Equations. *SIAM Journal on Mathematical Analysis*, 52(1): 1006–1008, 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [SCB17]. [Schwab:2010:PHN] Russell W. Schwab. Periodic homogenization for nonlinear integro-differential equations. *SIAM Journal on Mathematical Analysis*, 42(6): 2652–2680, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Schaeffer:2014:RSC] Jack Schaeffer. A restriction on shocks in collisionless plasma. *SIAM Journal on Mathematical Analysis*, 46(4): 2767–2797, 2014. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

**Schonbek:2014:HSD**

[Sch14b]

Tomas Schonbek. On a Helmholtz style decomposition for an exterior domain. *SIAM Journal on Mathematical Analysis*, 46(5):3497–3517, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[SdlL13]

2466–2485, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Su:2013:KTQ**

Xifeng Su and Rafael de la Llave. KAM theory for quasi-periodic equilibria in one-dimensional quasi-periodic media. *SIAM Journal on Mathematical Analysis*, 44(6):3901–3927, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Schaeffer:2017:NHS**

[Sch17]

Jack Schaeffer. On nearly homogeneous states in collisionless plasma. *SIAM Journal on Mathematical Analysis*, 49(3):2269–2286, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[Sei14]

**Seiskari:2014:PEP**

Otto Seiskari. Point electrode problems in piecewise smooth plane domains. *SIAM Journal on Mathematical Analysis*, 46(2):1204–1227, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Schachter:2018:NCF**

[Sch18a]

Benjamin Schachter. A new class of first order displacement convex functionals. *SIAM Journal on Mathematical Analysis*, 50(2):1779–1789, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[Sen17]

**Senik:2017:HNS**

Nikita N. Senik. Homogenization for non-self-adjoint periodic elliptic operators on an infinite cylinder. *SIAM Journal on Mathematical Analysis*, 49(2):874–898, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Schwenker:2018:GSS**

[Sch18b]

Sören Schwenker. Generic steady state bifurcations in monoid equivariant dynamics with applications in homogeneous coupled cell systems. *SIAM Journal on Mathematical Analysis*, 50(3):

[She15]

**Shen:2015:SER**

Wen Shen. Slow erosion with rough geological layers. *SIAM Journal on Mathematical Analysis*, 47(4):3116–

- 3150, ????. 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [SM16]
- [Sho10] R. E. Showalter. Nonlinear degenerate evolution equations in mixed formulation. *SIAM Journal on Mathematical Analysis*, 42(5):2114–2131, ????. 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [SM19]
- [Sim16] Brian Simanek. An electrostatic interpretation of the zeros of paraorthogonal polynomials on the unit circle. *SIAM Journal on Mathematical Analysis*, 48(3):2250–2268, ????. 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Smi17]
- [Sin10] Eva Sincich. Stability for the determination of unknown boundary and impedance with a Robin boundary condition. *SIAM Journal on Mathematical Analysis*, 42(6):2922–2943, ????. 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2922\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2922_s1). [Sof18]
- Sharma:2016:GES**  
Vandana Sharma and Jeff Morgan. Global existence of solutions to reaction–diffusion systems with mass transport type boundary conditions. *SIAM Journal on Mathematical Analysis*, 48(6):4202–4240, ????. 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Scott:2019:PSE**  
James Scott and Tadele Mengesha. A potential space estimate for solutions of systems of nonlocal equations in peridynamics. *SIAM Journal on Mathematical Analysis*, 51(1):86–109, ????. 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Smith:2017:RPV**  
Scott A. Smith. Random perturbations of viscous, compressible fluids: Global existence of weak solutions. *SIAM Journal on Mathematical Analysis*, 49(6):4521–4578, ????. 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Sofonea:2018:CRO**  
Mircea Sofonea. Convergence results and optimal control for a class of hemivariational inequalities. *SIAM Journal on*

*Mathematical Analysis*, 50(4): 4066–4086, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Souplet:2019:SAR**

[Sou19]

Philippe Souplet. A simplified approach to the refined blowup behavior for the nonlinear heat equation. *SIAM Journal on Mathematical Analysis*, 51(2):991–1013, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Schimperna:2013:CCH**

[SP13]

Giulio Schimperna and Irena Pawlow. On a class of Cahn–Hilliard models with nonlinear diffusion. *SIAM Journal on Mathematical Analysis*, 45(1):31–63, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Spence:2014:WEB**

[Spe14]

E. A. Spence. Wavenumber-explicit bounds in time-harmonic acoustic scattering. *SIAM Journal on Mathematical Analysis*, 46(4):2987–3024, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Sisti:2014:ECM**

[SR14]

Francesco Sisti and Costantino Ricciuti. Effects of con-

cavity on the motion of a body immersed in a Vlasov gas. *SIAM Journal on Mathematical Analysis*, 46(6):3579–3611, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Srinivasan:2011:RCS**

[Sri11]

Ravi Srinivasan. Rates of convergence for Smoluchowski’s coagulation equations. *SIAM Journal on Mathematical Analysis*, 43(4):1835–1854, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1835\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1835_s1).

**Schade:2015:SDC**

[SS15]

Katharina Schade and Yoshihiro Shibata. On strong dynamics of compressible nematic liquid crystals. *SIAM Journal on Mathematical Analysis*, 47(5):3963–3992, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Schwab:2017:FST**

[SS17]

Christoph Schwab and Rob Stevenson. Fractional space-time variational formulations of (Navier–) Stokes equations. *SIAM Journal on Mathematical Analysis*, 49(4):2442–2467, 2017. CODEN SJMAAH. ISSN 0036-



1410 (print), 1095-7154 (electronic).

**Schrecker:2019:VVL**

- [SS19] Matthew R. I. Schrecker and Simon Schulz. Vanishing viscosity limit of the compressible Navier–Stokes equations with general pressure law. *SIAM Journal on Mathematical Analysis*, 51(3):2168–2205, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Schouten-Straatman:2019:TWS**

- [SSH19] Willem M. Schouten-Straatman and Hermen Jan Hupkes. Traveling waves for spatially discrete systems of FitzHugh–Nagumo type with periodic coefficients. *SIAM Journal on Mathematical Analysis*, 51(4):3492–3532, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Saff:2015:OPA**

- [SSST15] E. B. Saff, H. Stahl, N. Stylianopoulos, and V. Totik. Orthogonal polynomials for area-type measures and image recovery. *SIAM Journal on Mathematical Analysis*, 47(3):2442–2463, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[SSW14]

**Stinner:2014:GWS**

Christian Stinner, Christina Surulescu, and Michael Winkler. Global weak solutions in a PDE–ODE system modeling multiscale cancer cell invasion. *SIAM Journal on Mathematical Analysis*, 46(3):1969–2007, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Song:2019:NFK**

[SSZ19]

Jian Song, Xiaoming Song, and Qi Zhang. Nonlinear Feynman–Kac formulas for stochastic partial differential equations with space-time noise. *SIAM Journal on Mathematical Analysis*, 51(2):955–990, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Smarrazzo:2010:LTB**

[ST10]

Flavia Smarrazzo and Alberto Tesi. Long-time behavior of solutions to a class of forward-backward parabolic equations. *SIAM Journal on Mathematical Analysis*, 42(3):1046–1093, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Shih:2011:GSA**

[ST11]

Chih-Wen Shih and Jui-Pin Tseng. Global synchronization and asymptotic

- phases for a ring of identical cells with delayed coupling. *SIAM Journal on Mathematical Analysis*, 43(4): 1667–1697, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1667\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1667_s1). [ST18]
- [ST15a] Kamran Sadiq and Alexandru Tamasan. On the range characterization of the two-dimensional attenuated Doppler transform. *SIAM Journal on Mathematical Analysis*, 47(3):2001–2021, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Sadiq:2015:RCT**
- [ST15b] Marta Strani and Benjamin Texier. Time-delayed instabilities in complex Burgers equations. *SIAM Journal on Mathematical Analysis*, 47(4): 2495–2518, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Strani:2015:TDI**
- [ST17] Pablo Raúl Stinga and José L. Torrea. Regularity theory and extension problem for fractional nonlocal parabolic equations and the master equation. *SIAM Journal on Mathematical Analysis*, 49(5): 3893–3924, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Stinga:2017:RTE**
- [ST19] Dejan Slepcev and Matthew Thorpe. Analysis of  $p$ -Laplacian regularization in semisupervised learning. *SIAM Journal on Mathematical Analysis*, 51(3):2085–2120, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Slepcev:2019:ALR**
- [Sto19] Logan F. Stokols. Hölder continuity for a family of nonlocal hypoelliptic kinetic equations. *SIAM Journal on Mathematical Analysis*, 51(6): 4815–4847, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Stokols:2019:HCF**
- [Str10] Robert M. Strain. Global Newtonian limit for the rel- **Strain:2010:GNL**

- ativistic Boltzmann equation near vacuum. *SIAM Journal on Mathematical Analysis*, 42(4):1568–1601, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [SV14]
- Sugiyama:2016:DFT**
- [Sug16] Yuusuke Sugiyama. Degeneracy in finite time of 1D quasilinear wave equations. *SIAM Journal on Mathematical Analysis*, 48(2): 847–860, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [SV18]
- Suslina:2013:HNP**
- [Sus13] Tatiana Suslina. Homogenization of the Neumann problem for elliptic systems with periodic coefficients. *SIAM Journal on Mathematical Analysis*, 45(6):3453–3493, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [SV19]
- Savin:2011:DEN**
- [SV11] Ovidiu Savin and Enrico Valdinoci. Density estimates for a nonlocal variational model via the Sobolev inequality. *SIAM Journal on Mathematical Analysis*, 43(6): 2675–2687, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2675\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2675_s1). [SW11a]
- Stan:2014:FKE**
- Diana Stan and Juan Luis Vázquez. The Fisher–KPP equation with nonlinear fractional diffusion. *SIAM Journal on Mathematical Analysis*, 46(5):3241–3276, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Sweers:2018:PHC**
- Guido Sweers and Katerina Vassi. Positivity for a hinged convex plate with stress. *SIAM Journal on Mathematical Analysis*, 50(1): 1163–1174, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Scala:2019:VAS**
- Riccardo Scala and Nicolas Van Goethem. A variational approach to single crystals with dislocations. *SIAM Journal on Mathematical Analysis*, 51(1):489–531, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Segatti:2011:FDR**
- Antonio Segatti and Hao Wu. Finite dimensional reduction and convergence to equilibrium for incompressible smectic-A liquid crystal flows. *SIAM Journal on Mathematical Analysis*, 43(6): 2445–2481, 2011. CO-

- DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2445\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2445_s1). [SWX17]
- [SW11b] A. M. Shapiro and M. I. Weinstein. Radiative decay of bubble oscillations in a compressible fluid. *SIAM Journal on Mathematical Analysis*, 43(2):828–876, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p828\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p828_s1).
- [SW17] Walter A. Strauss and Yilun Wu. Steady states of rotating stars and galaxies. *SIAM Journal on Mathematical Analysis*, 49(6):4865–4914, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [SX13]
- [SW18] Nicola Soave and Tobias Weth. The unique continuation property of sublinear equations. *SIAM Journal on Mathematical Analysis*, 50(4):3919–3938, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Saut:2017:CPL] Jean-Claude Saut, Chao Wang, and Li Xu. The Cauchy problem on large time for surface-waves-type Boussinesq systems II. *SIAM Journal on Mathematical Analysis*, 49(4):2321–2386, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Song:2015:RSP] Kyungwoo Song, Qin Wang, and Yuxi Zheng. The regularity of semihyperbolic patches near sonic lines for the 2-D Euler system in gas dynamics. *SIAM Journal on Mathematical Analysis*, 47(3):2200–2219, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Shen:2013:BSF] Zuwei Shen and Zhiqiang Xu. On B-spline framelets derived from the unitary extension principle. *SIAM Journal on Mathematical Analysis*, 45(1):127–151, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Strain:2014:SHB] Robert M. Strain and Seok-Bae Yun. Spatially homogeneous Boltzmann equation for relativistic particles. *SIAM Journal on Mathe-*

- mathematical Analysis*, 46(1):917–938, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [SZ12a]
- [SY17] **Stefanov:2017:TPT**  
Plamen Stefanov and Yang Yang. Thermo- and photoacoustic tomography with variable speed and planar detectors. *SIAM Journal on Mathematical Analysis*, 49(1):297–310, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [SZ12b]
- [Syl12] **Sylvester:2012:DTE**  
John Sylvester. Discreteness of transmission eigenvalues via upper triangular compact operators. *SIAM Journal on Mathematical Analysis*, 44(1):341–354, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p341\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p341_s1). [TAGP18]
- [SZ11] **Sebert:2011:FPM**  
Florian M. Sebert and Yi Ming Zou. Factoring pseudoidentity matrix pairs. *SIAM Journal on Mathematical Analysis*, 43(2):565–576, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p565\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p565_s1). [Tak10]
- Salo:2012:IPL**  
Mikko Salo and Xiao Zhong. An inverse problem for the  $p$ -Laplacian: Boundary determination. *SIAM Journal on Mathematical Analysis*, 44(4):2474–2495, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Scardia:2012:LTM**  
Lucia Scardia and Caterina Ida Zeppieri. Line-tension model for plasticity as the  $\Gamma$ -limit of a nonlinear dislocation energy. *SIAM Journal on Mathematical Analysis*, 44(4):2372–2400, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Taskovic:2018:MLM**  
Maja Tasković, Ricardo J. Alonso, Irene M. Gamba, and Natasa Pavlović. On Mittag-Leffler moments for the Boltzmann equation for hard potentials without cut-off. *SIAM Journal on Mathematical Analysis*, 50(1):834–869, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Takada:2010:CCE**  
Ryo Takada. Counterexamples of commutator estimates in the Besov and the Triebel-Lizorkin spaces related to the

- Euler equations. *SIAM Journal on Mathematical Analysis*, 42(6):2473–2483, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Tay18]
- Takatsu:2013:BED**
- [Tak13] Asuka Takatsu. Behaviors of  $\varphi$ -exponential distributions in Wasserstein geometry and an evolution equation. *SIAM Journal on Mathematical Analysis*, 45(4):2546–2556, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [TD17]
- Taniguchi:2015:DCC**
- [Tan15] Masaharu Taniguchi. An  $(N - 1)$ -dimensional convex compact set gives an  $N$ -dimensional traveling front in the Allen–Cahn equation. *SIAM Journal on Mathematical Analysis*, 47(1):455–476, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Tej17]
- Tang:2018:PSC**
- [Tan18] Hao Tang. On the pathwise solutions to the Camassa–Holm equation with multiplicative noise. *SIAM Journal on Mathematical Analysis*, 50(1):1322–1366, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Ter11]
- Taylor:2018:AED**
- Jamie M. Taylor. An analysis of equilibria in dense nematic liquid crystals. *SIAM Journal on Mathematical Analysis*, 50(2):1918–1957, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Tian:2017:TTS**
- Xiaochuan Tian and Qiang Du. Trace theorems for some nonlocal function spaces with heterogeneous localization. *SIAM Journal on Mathematical Analysis*, 49(2):1621–1644, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Tejero:2017:RSP**
- Jorge Tejero. Reconstruction and stability for piecewise smooth potentials in the plane. *SIAM Journal on Mathematical Analysis*, 49(1):398–420, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Terracina:2011:QBT**
- Andrea Terracina. Qualitative behavior of the two-phase entropy solution of a forward-backward parabolic problem. *SIAM Journal on Mathematical Analysis*, 43(1):228–252, 2011. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p228\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p228_s1).

**Thaller:2019:ESS**

[Tha19]

Maximilian Thaller. Existence of static solutions of the Einstein–Vlasov–Maxwell system and the thin shell limit. *SIAM Journal on Mathematical Analysis*, 51(3):2231–2260, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[Tro17]

33–63, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Troy:2017:PSF**

William C. Troy. Phase-locked solutions of the finite size Kuramoto coupled oscillator model. *SIAM Journal on Mathematical Analysis*, 49(3):1912–1931, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Thirouin:2019:AQS**

[Thi19]

Joseph Thirouin. About the quadratic Szegő hierarchy. *SIAM Journal on Mathematical Analysis*, 51(2):1454–1495, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[TSA18]

**Trillos:2018:CLP**

Nicolás García Trillos and Daniel Sanz-Alonso. Continuum limits of posteriors in graph Bayesian inverse problems. *SIAM Journal on Mathematical Analysis*, 50(4):4020–4040, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Treinen:2013:SSS**

[Tre13]

Ray Treinen. On the symmetry of solutions to some floating drop problems. *SIAM Journal on Mathematical Analysis*, 44(6):3834–3847, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[Tsu12]

**Tsugawa:2012:LWP**

Kotaro Tsugawa. Local well-posedness of the KdV equation with quasi-periodic initial data. *SIAM Journal on Mathematical Analysis*, 44(5):3412–3428, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Triay:2018:DDG**

[Tri18]

Arnaud Triay. Derivation of the dipolar Gross–Pitaevskii energy. *SIAM Journal on Mathematical Analysis*, 50(1):

[TV18]

**Trofimchuk:2018:TWB**

Sergei Trofimchuk and Vitaly Volpert. Traveling

- waves for a bistable reaction–diffusion equation with delay. *SIAM Journal on Mathematical Analysis*, 50(1):1175–1199, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [TW15]
- [TW10] R. Temam and D. Wirosoetisno. Stability of the slow manifold in the primitive equations. *SIAM Journal on Mathematical Analysis*, 42(1):427–458, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Temam:2010:SSM]
- [TW11a] Youshan Tao and Michael Winkler. A chemotaxis-haptotaxis model: The roles of nonlinear diffusion and logistic source. *SIAM Journal on Mathematical Analysis*, 43(2):685–704, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p685\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p685_s1). [Tao:2011:CHM]
- [TW11b] Gaurav Thakur and Hau-Tieng Wu. Synchrosqueezing-based recovery of instantaneous frequency from nonuniform samples. *SIAM Journal on Mathematical Analysis*, 43(5):2078–2095, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2078\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2078_s1). [Thakur:2011:SBR]
- [TW18a] Zhong Tan and Yanjin Wang. Global well-posedness of an initial-boundary value problem for viscous non-resistive MHD systems. *SIAM Journal on Mathematical Analysis*, 50(1):1432–1470, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Tan:2018:GWP]
- [TW18b] Dong-Ho Tsai and Xiao-Liu Wang. The evolution of nonlocal curvature flow arising in a Hele–Shaw problem. *SIAM Journal on Mathematical Analysis*, 50(1):1396–1431, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Tsai:2018:ENC]



- [TWW15] **Tan:2015:SSS** Zhong Tan, Yanjin Wang, and Yong Wang. Stability of steady states of the Navier–Stokes–Poisson equations with non-flat doping profile. *SIAM Journal on Mathematical Analysis*, 47(1): 179–209, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [TZ13] **Tilli:2013:AFL** Paolo Tilli and Davide Zucco. Asymptotics of the first Laplace eigenvalue with Dirichlet regions of prescribed length. *SIAM Journal on Mathematical Analysis*, 45(6): 3266–3282, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [TY11] **Temple:2011:TPL** Blake Temple and Robin Young. Time-periodic linearized solutions of the compressible Euler equations and a problem of small divisors. *SIAM Journal on Mathematical Analysis*, 43(1): 1–49, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p1\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p1_s1).
- [TZ15] **Tilli:2015:WBP** Paolo Tilli and Davide Zucco. Where best to place a Dirichlet condition in an anisotropic membrane? *SIAM Journal on Mathematical Analysis*, 47(4): 2699–2721, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [TZ18] **Tao:2018:CPW** Tao Tao and Liqun Zhang. On the continuous periodic weak solutions of Boussinesq equations. *SIAM Journal on Mathematical Analysis*, 50(1): 1120–1162, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [TYZZ13] **Tan:2013:GSO** Zhong Tan, Tong Yang, Huijiang Zhao, and Qingyang Zou. Global solutions to the one-dimensional compressible Navier–Stokes–Poisson equations with large data. *SIAM Journal on Mathematical Analysis*, 45(2):547–571, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [UWK12] **Ueda:2012:DSR** Yoshihiro Ueda, Shu Wang, and Shuichi Kawashima. Dissipative structure of the regularity-loss type and time asymptotic decay of solutions for the Euler–Maxwell system. *SIAM Journal on Mathe-*

*mathematical Analysis*, 44(3):2002–2017, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Valkonen:2015:JSU**

[Val15] Tuomo Valkonen. The jump set under geometric regularization. Part 1: Basic technique and first-order denoising. *SIAM Journal on Mathematical Analysis*, 47(4):2587–2629, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**vonBrecht:2014:NST**

[vBM14] James H. von Brecht and Scott G. McCalla. Nonlinear stability through algebraically decaying point spectrum: Applications to nonlocal interaction equations. *SIAM Journal on Mathematical Analysis*, 46(6):3727–3760, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**vanBaalen:2011:TPS**

[vBW11] Guillaume van Baalen and Peter Wittwer. Time periodic solutions of the Navier–Stokes equations with nonzero constant boundary conditions at infinity. *SIAM Journal on Mathematical Analysis*, 43(4):1787–1809, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1787\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1787_s1).

[siam.org/sima/resource/1/sjmaah/v43/i4/p1787\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1787_s1).

**vandenBerg:2011:RNS**

[vdBMJLM11] Jan Bouwe van den Berg, Jason D. Mireles-James, Jean-Philippe Lessard, and Konstantin Mischaikow. Rigorous numerics for symmetric connecting orbits: Even homoclinics of the Gray–Scott equation. *SIAM Journal on Mathematical Analysis*, 43(4):1557–1594, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1557\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1557_s1).

**vandenBerg:2019:RCS**

[vdBW19] Jan Bouwe van den Berg and J. F. Williams. Rigorously computing symmetric stationary states of the Ohta–Kawasaki problem in three dimensions. *SIAM Journal on Mathematical Analysis*, 51(1):131–158, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Vessella:2015:SEI**

[Ves15] Sergio Vessella. Stability estimates for an inverse hyperbolic initial boundary value problem with unknown boundaries. *SIAM Journal on Mathematical Analysis*, 47(2):1419–1457, 2015. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic).
- [VF13] **Veltz:2013:CMR**  
Romain Veltz and Olivier Faugeras. A center manifold result for delayed neural fields equations. *SIAM Journal on Mathematical Analysis*, 45(3): 1527–1562, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [VF15].
- [VF15] **Veltz:2015:ECM**  
Romain Veltz and Olivier Faugeras. Erratum: A center manifold result for delayed neural fields equations. *SIAM Journal on Mathematical Analysis*, 47(2): 1665–1670, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [VF13].
- [Vis18] **Visintin:2018:SCS**  
Augusto Visintin. Structural compactness and stability of semi-monotone flows. *SIAM Journal on Mathematical Analysis*, 50(3):2628–2663, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [VK18] **Vo:2018:CIS**  
Hoang-Hung Vo and Seonghak Kim. Convex integration for scalar conservation laws in one space dimension. *SIAM Journal on Mathematical Analysis*, 50(3): 3122–3146, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [vNVW12] **vanNeerven:2012:MRS**  
Jan van Neerven, Mark Veraar, and Lutz Weis. Maximal  $L^p$ -regularity for stochastic evolution equations. *SIAM Journal on Mathematical Analysis*, 44(3): 1372–1414, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [VW11] **Vazquez:2011:ESF**  
Juan Luis Vázquez and Michael Winkler. The evolution of singularities in fast diffusion equations: Infinite-time blow-down. *SIAM Journal on Mathematical Analysis*, 43(4):1499–1535, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1499\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1499_s1).
- [VW15a] **Vasseur:2015:ILC**  
Alexis Vasseur and Yi Wang. The inviscid limit to a contact discontinuity for the compressible Navier–Stokes–Fourier system using the relative entropy method. *SIAM Journal on Mathematical Analysis*, 47(6):4350–4359, 2015. CO-

DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Vo:2015:CFS**

[VW15b]

Theodore Vo and Martin Wechselberger. Canards of folded saddle-node type I. *SIAM Journal on Mathematical Analysis*, 47(4):3235–3283, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Vasseur:2016:GWS**

[VY16]

Alexis F. Vasseur and Cheng Yu. Global weak solutions to the compressible quantum Navier–Stokes equations with damping. *SIAM Journal on Mathematical Analysis*, 48(2):1489–1511, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Vergara:2015:ODE**

[VZ15]

Vicente Vergara and Rico Zacher. Optimal decay estimates for time-fractional and other nonlocal subdiffusion equations via energy methods. *SIAM Journal on Mathematical Analysis*, 47(1):210–239, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Walker:2014:LBJ**

[Wal14]

Stephen G. Walker. On a lower bound for the Jensen in-

equality. *SIAM Journal on Mathematical Analysis*, 46(5):3151–3157, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Wang:2011:DLV**

[Wan11]

Yanjin Wang. The diffusive limit of the Vlasov–Boltzmann system for binary fluids. *SIAM Journal on Mathematical Analysis*, 43(1):253–301, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p253\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p253_s1).

**Wang:2012:GST**

[Wan12]

Yanjin Wang. Global solution and time decay of the Vlasov–Poisson–Landau system in  $\mathbf{R}^3$ . *SIAM Journal on Mathematical Analysis*, 44(5):3281–3323, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Wang:2013:PNS**

[Wan13]

Yuzhao Wang. Periodic nonlinear Schrödinger equation in critical  $H^s(\mathbf{T}^n)$  spaces. *SIAM Journal on Mathematical Analysis*, 45(3):1691–1703, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [Wan18] **Wang:2018:GWP**  
Yong Wang. Global well-posedness of the relativistic Boltzmann equation. *SIAM Journal on Mathematical Analysis*, 50(5):5637–5694, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Wan19] **Wang:2019:FBP**  
Chunpeng Wang. A free boundary problem of a degenerate elliptic equation and subsonic-sonic flows with general sonic curves. *SIAM Journal on Mathematical Analysis*, 51(6):4977–5010, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [WBS13] **Walsh:2013:SWW**  
Samuel Walsh, Oliver Bühler, and Jalal Shatah. Steady water waves in the presence of wind. *SIAM Journal on Mathematical Analysis*, 45(4):2182–2227, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [WDL18] **Wei:2018:KSN**  
Jinlong Wei, Jinqiao Duan, and Guangying Lv. Kinetic solutions for nonlocal scalar conservation laws. *SIAM Journal on Mathematical Analysis*, 50(2):1521–1543, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Wei12] **Weinmann:2012:IMR**  
Andreas Weinmann. Interpolatory multiscale representation for functions between manifolds. *SIAM Journal on Mathematical Analysis*, 44(1):162–191, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p162\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p162_s1).
- [Wen14] **Weng:2014:SSF**  
Shangkun Weng. On steady subsonic flows for Euler–Poisson models. *SIAM Journal on Mathematical Analysis*, 46(1):757–779, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [WFL12] **Wang:2012:ABG**  
Shu Wang, Yuehong Feng, and Xin Li. The asymptotic behavior of globally smooth solutions of bipolar nonisentropic compressible Euler–Maxwell system for plasma. *SIAM Journal on Mathematical Analysis*, 44(5):3429–3457, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- Wheeler:2013:LAS**
- [Whe13] Miles H. Wheeler. Large-amplitude solitary water waves with vorticity. *SIAM Journal on Mathematical Analysis*, 45(5):2937–2994, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Winkler:2015:LDG**
- [Win15] Michael Winkler. Large-data global generalized solutions in a chemotaxis system with tensor-valued sensitivities. *SIAM Journal on Mathematical Analysis*, 47(4):3092–3115, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Wróblewska-Kaminska:2017:AAC**
- [WK17] Aneta Wróblewska-Kamińska. The asymptotic analysis of the complete fluid system on a varying domain: From the compressible to the incompressible flow. *SIAM Journal on Mathematical Analysis*, 49(5):3299–3334, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Wang:2016:GPN**
- [WLT16] Yong Wang, Chun Liu, and Zhong Tan. A generalized Poisson–Nernst–Planck–Navier–Stokes model on the fluid with the crowded charged particles: Derivation and its well-posedness. *SIAM Journal on Mathematical Analysis*, 48(5):3191–3235, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Weller:2013:AFB**
- [WNRJ13] Frederic Frank Weller, Maria Neuss-Radu, and Willi Jäger. Analysis of a free boundary problem modeling thrombus growth. *SIAM Journal on Mathematical Analysis*, 45(2):809–833, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Wolansky:2019:CAL**
- [Wol19] Gershon Wolansky. Contact angles of liquid drops subjected to a rough boundary. *SIAM Journal on Mathematical Analysis*, 51(3):2286–2305, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Ward:2014:APS**
- [WU14a] John Paul Ward and Michael Unser. Approximation properties of Sobolev splines and the construction of compactly supported equivalents. *SIAM Journal on Mathematical Analysis*, 46(3):1843–1858, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [Wu14b] **Wu:2014:PBL** Kung-Chien Wu. Pointwise behavior of the linearized Boltzmann equation on a torus. *SIAM Journal on Mathematical Analysis*, 46(1):639–656, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Wu14c] **Wu:2014:WPD** Lei Wu. Well-posedness and decay of the viscous surface wave. *SIAM Journal on Mathematical Analysis*, 46(3):2084–2135, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Wu16] **Wu:2016:SFD** Yilun Wu. Simplicity and finiteness of discrete spectrum of the Benjamin–Ono scattering operator. *SIAM Journal on Mathematical Analysis*, 48(2):1348–1367, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Wu17] **Wu:2017:JSD** Yilun Wu. Jost solutions and the direct scattering problem of the Benjamin–Ono equation. *SIAM Journal on Mathematical Analysis*, 49(6):5158–5206, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Wun10] **Wunsch:2010:GHS** Marcus Wunsch. The generalized Hunter–Saxton system. *SIAM Journal on Mathematical Analysis*, 42(3):1286–1304, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [WW10] **Wei:2010:SSS** Juncheng Wei and Matthias Winter. Stability of spiky solutions in a reaction–diffusion system with four morphogens on the real line. *SIAM Journal on Mathematical Analysis*, 42(6):2818–2841, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [WW12] **Wang:2012:MLP** Shu Wang and Ke Wang. The mixed layer problem and quasi-neutral limit of the drift-diffusion model for semiconductors. *SIAM Journal on Mathematical Analysis*, 44(2):699–717, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p699\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p699_s1).
- [WW15] **Wang:2015:SST** Teng Wang and Yi Wang. Stability of superposition of two viscous shock waves for the Boltzmann equation. *SIAM Journal on Mathe-*

- mathematical Analysis*, 47(2):1070–1120, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [WX11]
- [WW18] **Wheeler:2018:GOR**  
Aric Wheeler and Mark Williams. Geometric optics for Rayleigh wavetrains in  $d$ -dimensional. *SIAM Journal on Mathematical Analysis*, 50(4):4563–4615, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [WWW12] **Wang:2012:GRV** [WX12]  
Zhi-An Wang, Michael Winkler, and Dariusz Wrzosek. Global regularity versus infinite-time singularity formation in a chemotaxis model with volume-filling effect and degenerate diffusion. *SIAM Journal on Mathematical Analysis*, 44(5):3502–3525, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [WX13]
- [WWX15] **Wu:2015:GSS**  
Jiahong Wu, Yifei Wu, and Xiaojing Xu. Global small solution to the 2D MHD system with a velocity damping term. *SIAM Journal on Mathematical Analysis*, 47(4):2630–2656, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [WX15]
- Wang:2011:SLS**  
Jing Wang and Feng Xie. Singular limit to strong contact discontinuity for a 1D compressible radiation hydrodynamics model. *SIAM Journal on Mathematical Analysis*, 43(3):1189–1204, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1189\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1189_s1).
- Wang:2012:PPQ**  
Yang Wang and Zhiqiang Xu. The performance of PCM quantization under tight frame representations. *SIAM Journal on Mathematical Analysis*, 44(4):2802–2823, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Wu:2013:SSG**  
Hao Wu and Xiang Xu. Strong solutions, global regularity, and stability of a hydrodynamic system modeling vesicle and fluid interactions. *SIAM Journal on Mathematical Analysis*, 45(1):181–214, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Wang:2015:GSS**  
Chunpeng Wang and Zhouping Xin. Global smooth super-



- sonic flows in infinite expanding nozzles. *SIAM Journal on Mathematical Analysis*, 47(4): 3151–3211, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [WX16] **Wang:2016:SCS**  
Chunpeng Wang and Zhouping Xin. On sonic curves of smooth subsonic-sonic and transonic flows. *SIAM Journal on Mathematical Analysis*, 48(4):2414–2453, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [WX19] **Wang:2019:EFB**  
Chunpeng Wang and Zhouping Xin. On an elliptic free boundary problem and subsonic jet flows for a given surrounding pressure. *SIAM Journal on Mathematical Analysis*, 51(2): 1014–1045, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [WXY15a] **Wang:2015:LWP**  
Ya-Guang Wang, Feng Xie, and Tong Yang. Local well-posedness of Prandtl equations for compressible flow in two space variables. *SIAM Journal on Mathematical Analysis*, 47(1):321–346, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [WXY15b] **Wang:2015:URV**  
Yong Wang, Zhouping Xin, and Yan Yong. Uniform regularity and vanishing viscosity limit for the compressible Navier–Stokes with general Navier-slip boundary conditions in three-dimensional domains. *SIAM Journal on Mathematical Analysis*, 47(6): 4123–4191, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [WY13] **Wei:2013:VRP**  
Juncheng Wei and Jun Yang. Vortex ring pinning for the Gross–Pitaevskii equation in three-dimensional space. *SIAM Journal on Mathematical Analysis*, 44(6):3991–4047, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [WY15] **Wang:2015:SSS**  
Ya-Guang Wang and Fang Yu. Structural stability of supersonic contact discontinuities in three-dimensional compressible steady flows. *SIAM Journal on Mathematical Analysis*, 47(2):1291–1329, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [WZ13a] **Wang:2013:IRC**  
Wendong Wang and Zhifei Zhang. On the interior

- regularity criteria for suitable weak solutions of the magnetohydrodynamics equations. *SIAM Journal on Mathematical Analysis*, 45(5): 2666–2677, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [WZ13b] **Wen:2013:GCL**  
Huanyao Wen and Changjiang Zhu. Global classical large solutions to Navier–Stokes equations for viscous compressible and heat-conducting fluids with vacuum. *SIAM Journal on Mathematical Analysis*, 45(2):431–468, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [WZ16] **Wang:2016:DSH**  
Feng-Yu Wang and Xicheng Zhang. Degenerate SDE with Hölder–Dini drift and non-Lipschitz noise coefficient. *SIAM Journal on Mathematical Analysis*, 48(3):2189–2226, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [WZ17] **Wen:2017:GST**  
Huanyao Wen and Changjiang Zhu. Global solutions to the three-dimensional full compressible Navier–Stokes equations with vacuum at infinity in some classes of large data. *SIAM Journal on Mathematical Analysis*, 49(1): 162–221, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Wang:2015:RDL**  
[WZZ15] Wei Wang, Pingwen Zhang, and Zhifei Zhang. Rigorous derivation from Landau–de Gennes theory to Ericksen–Leslie theory. *SIAM Journal on Mathematical Analysis*, 47(1):127–158, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Xu:2011:GCS**  
[Xu11] Jiang Xu. Global classical solutions to the compressible Euler–Maxwell equations. *SIAM Journal on Mathematical Analysis*, 43(6): 2688–2718, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2688\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2688_s1).
- Xu:2016:CRG**  
[Xu16] Qiang Xu. Convergence rates for general elliptic homogenization problems in Lipschitz domains. *SIAM Journal on Mathematical Analysis*, 48(6): 3742–3788, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [Xu18] **Xu:2018:ETC**  
 Xiangsheng Xu. Existence theorems for a crystal surface model involving the  $p$ -Laplace operator. *SIAM Journal on Mathematical Analysis*, 50(4):4261–4281, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [XV10] **Xia:2010:TDM**  
 Qinglan Xia and Anna Verbynina. On the transport dimension of measures. *SIAM Journal on Mathematical Analysis*, 41(6):2407–2430, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [XX10] **Xie:2010:EGS**  
 Chunjing Xie and Zhouping Xin. Existence of global steady subsonic Euler flows through infinitely long nozzles. *SIAM Journal on Mathematical Analysis*, 42(2):751–784, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [XXK13] **Xu:2013:GWP**  
 Jiang Xu, Jun Xiong, and Shuichi Kawashima. Global well-posedness in critical Besov spaces for two-fluid Euler–Maxwell equations. *SIAM Journal on Mathematical Analysis*, 45(3):1422–1447, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [XY14] **Xin:2014:AGR**  
 Jack Xin and Yifeng Yu. Asymptotic growth rates and strong bending of turbulent flame speeds of  $G$ -equation in steady two-dimensional incompressible periodic flows. *SIAM Journal on Mathematical Analysis*, 46(4):2444–2467, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [XY18] **Xie:2018:GTS**  
 Feng Xie and Tong Yang. Global-in-time stability of 2D MHD boundary layer in the Prandtl–Hartmann regime. *SIAM Journal on Mathematical Analysis*, 50(6):5749–5760, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [XYD18] **Xu:2018:RDB**  
 Jieren Xu, Haizhao Yang, and Ingrid Daubechies. Recursive diffeomorphism-based regression for shape functions. *SIAM Journal on Mathematical Analysis*, 50(1):5–32, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [XYY19] **Xin:2019:ASS**  
 Zhouping Xin, Qian Yuan, and Yuan Yuan. Asymptotic stability of shock waves and rarefaction waves under periodic perturbations for 1-D convex scalar conservation laws. *SIAM Journal on Mathematical Analysis*, 51(4): 2971–2994, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Yam13]
- [XYZ16] **Xin:2016:POA**  
 Jack Xin, Yifeng Yu, and Andrej Zlatos. Periodic orbits of the ABC flow with  $A = B = C = 1$ . *SIAM Journal on Mathematical Analysis*, 48(6): 4087–4093, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Yam16]
- [XZ15] **Xu:2015:GSS**  
 Li Xu and Ping Zhang. Global small solutions to three-dimensional incompressible magnetohydrodynamical system. *SIAM Journal on Mathematical Analysis*, 47(1): 26–65, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Yao19]
- [XZL10] **Xu:2010:ASC**  
 Xiang Xu, Liyun Zhao, and Chun Liu. Axisymmetric solutions to coupled Navier–Stokes/Allen–Cahn equations. *SIAM Journal on Mathematical Analysis*, 41(6):2246–2282, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Yamamoto:2013:AES]
- Yamamoto:2013:AES**  
 Masakazu Yamamoto. Asymptotic expansion of solutions to the dissipative equation with fractional Laplacian. *SIAM Journal on Mathematical Analysis*, 44(6):3786–3805, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [Yam16].
- Yamamoto:2016:EAE**  
 Masakazu Yamamoto. Erratum: Asymptotic Expansion of Solutions to the Dissipative Equation with Fractional Laplacian. *SIAM Journal on Mathematical Analysis*, 48(4): 3037–3038, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [Yam13].
- Yao:2019:LST**  
 Peng-Fei Yao. Linear strain tensors on hyperbolic surfaces and asymptotic theories for thin shells. *SIAM Journal on Mathematical Analysis*, 51(2): 1387–1435, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [YCW10] **Yi:2010:PSG** Taishan Yi, Yuming Chen, and Jianhong Wu. Periodic solutions and the global attractor in a system of delay differential equations. *SIAM Journal on Mathematical Analysis*, 42(1):24–63, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [YFK11] **Yannacopoulos:2011:WCS** Athanasios N. Yannacopoulos, Nikolaos E. Frangos, and Ioannis Karatzas. Wiener chaos solutions for linear backward stochastic evolution equations. *SIAM Journal on Mathematical Analysis*, 43(1):68–113, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p68\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p68_s1).
- [YMYC10] **Yin:2010:AMH** G. Yin, Xuerong Mao, Chenggui Yuan, and Dingzhou Cao. Approximation methods for hybrid diffusion systems with state-dependent switching processes: Numerical algorithms and existence and uniqueness of solutions. *SIAM Journal on Mathematical Analysis*, 41(6):2335–2352, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Yos17] **Yoshida:2017:ABS** Natsumi Yoshida. Asymptotic behavior of solutions toward a multiwave pattern to the Cauchy problem for the scalar conservation law with the Ostwald–de Waele-type viscosity. *SIAM Journal on Mathematical Analysis*, 49(3):2009–2036, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Yos18] **Yoshida:2018:ABS** Natsumi Yoshida. Asymptotic behavior of solutions toward the viscous shock waves to the Cauchy problem for the scalar conservation law with nonlinear flux and viscosity. *SIAM Journal on Mathematical Analysis*, 50(1):891–932, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [YT11] **Ye:2011:GET** J. Ye and S. Tanveer. Global existence for a translating near-circular Hele–Shaw bubble with surface tension. *SIAM Journal on Mathematical Analysis*, 43(1):457–506, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL [http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p457\\_s1](http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p457_s1).

- [Yun15] **Yun:2015:EBM**  
Seok-Bae Yun. Ellipsoidal BGK model near a global Maxwellian. *SIAM Journal on Mathematical Analysis*, 47(3): 2324–2354, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [YZ14a] **Yang:2010:GCS**  
Tong Yang and Hongjun Yu. Global classical solutions for the Vlasov–Maxwell–Fokker–Planck system. *SIAM Journal on Mathematical Analysis*, 42(1):459–488, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [YZ14b] **Yang:2014:SCT**  
Haizhao Yang and Lexing Ying. Synchrosqueezed curvelet transform for two-dimensional mode decomposition. *SIAM Journal on Mathematical Analysis*, 46(3): 2052–2083, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [YZ15] **Yang:2018:GSS**  
Tong Yang and Hongjun Yu. Global solution for the spatially inhomogeneous non-cutoff Kac equation. *SIAM Journal on Mathematical Analysis*, 50(4):4503–4562, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [YZ16] **Yang:2014:EOV**  
Yisong Yang and Ruifeng Zhang. Existence of optical vortices. *SIAM Journal on Mathematical Analysis*, 46(1): 484–498, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [YZ16] **Yuan:2014:LTS**  
Xiaoping Yuan and Jing Zhang. Long time stability of Hamiltonian partial differential equations. *SIAM Journal on Mathematical Analysis*, 46(5):3176–3222, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [YZ16] **Yi:2015:ABS**  
Taishan Yi and Xingfu Zou. Asymptotic behavior, spreading speeds, and traveling waves of nonmonotone dynamical systems. *SIAM Journal on Mathematical Analysis*, 47(4):3005–3034, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [YZ16] **Yu:2016:SCE**  
Xiang Yu and Shiqing Zhang. Saari’s conjecture for elliptical motions and minimizing solutions of the  $N$ -body problem. *SIAM Journal on Mathematical Analysis*, 48(1):

- 709–724, ????. 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [ZBL19]
- [YZ18] **Yang:2018:GWP**  
Kailong Yang and Lifeng Zhao. Global well-posedness and scattering for mass-critical, defocusing, infinite dimensional vector-valued resonant nonlinear Schrödinger system. *SIAM Journal on Mathematical Analysis*, 50(2): 1593–1655, ????. 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [YZZ10] **Yao:2010:EAB**  
Lei Yao, Ting Zhang, and Changjiang Zhu. Existence and asymptotic behavior of global weak solutions to a 2D viscous liquid-gas two-phase flow model. *SIAM Journal on Mathematical Analysis*, 42(4): 1874–1897, ????. 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [YZZ12] **Yao:2012:ILV**  
Lei Yao, Changjiang Zhu, and Ruizhao Zi. Incompressible limit of viscous liquid-gas two-phase flow model. *SIAM Journal on Mathematical Analysis*, 44(5):3324–3345, ????. 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Zhu:2019:MIE**  
Jiahui Zhu, Zdzisław Brzeźniak, and Wei Liu. Maximal inequalities and exponential estimates for stochastic convolutions driven by Lévy-type processes in Banach spaces with application to stochastic quasi-geostrophic equations. *SIAM Journal on Mathematical Analysis*, 51(3): 2121–2167, ????. 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ZCO15] **Zhang:2015:CCM**  
Kewei Zhang, Elaine Crooks, and Antonio Orlando. Compensated convexity, multiscale medial axis maps and sharp regularity of the squared-distance function. *SIAM Journal on Mathematical Analysis*, 47(6):4289–4331, ????. 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ZCO16] **Zhang:2016:CCM**  
Kewei Zhang, Elaine Crooks, and Antonio Orlando. Compensated convexity methods for approximations and interpolations of sampled functions in Euclidean spaces: Theoretical foundations. *SIAM Journal on Mathematical Analysis*, 48(6):4126–4154, ????. 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [ZF10] **Zhang:2010:CFD**  
 Ting Zhang and Daoyuan Fang. Compressible flows with a density-dependent viscosity coefficient. *SIAM Journal on Mathematical Analysis*, 41(6): 2453–2488, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ZF12] **Zhang:2012:GES**  
 Ting Zhang and Daoyuan Fang. Global existence of strong solution for equations related to the incompressible viscoelastic fluids in the critical  $L^p$  framework. *SIAM Journal on Mathematical Analysis*, 44(4):2266–2288, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ZH10] **Zhan:2010:LSS**  
 Wang Zhan and Yin Huicheng. Local structural stability of a multidimensional centered rarefaction wave for the three-dimensional steady supersonic Euler flow around a sharp corner. *SIAM Journal on Mathematical Analysis*, 42(4): 1639–1687, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Zha10] **Zhang:2010:UCL**  
 Kewei Zhang. On universal coercivity in linear elasticity. *SIAM Journal on Mathematical Analysis*, 42(1): 298–322, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Zha14] **Zhang:2014:FSK**  
 Xicheng Zhang. Fundamental solution of kinetic Fokker–Planck operator with anisotropic nonlocal dissativity. *SIAM Journal on Mathematical Analysis*, 46(3): 2254–2280, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Zha19] **Zhang:2019:LSA**  
 Katherine Zhiyuan Zhang. Linear stability analysis of the relativistic Vlasov–Maxwell system in an axisymmetric domain. *SIAM Journal on Mathematical Analysis*, 51(6): 4683–4723, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Zhi19] **Zhigun:2019:GGS**  
 Anna Zhigun. Generalized global supersolutions with mass control for systems with taxis. *SIAM Journal on Mathematical Analysis*, 51(3): 2425–2443, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).



- [Zho15] **Zhou:2015:IRF**  
Wei Zhou. Interior regularity of fully nonlinear degenerate elliptic equations I: Bellman equations with constant coefficients. *SIAM Journal on Mathematical Analysis*, 47(3): 2375–2415, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Zho18] **Zhou:2018:LMR**  
Hanming Zhou. The local magnetic ray transform of tensor fields. *SIAM Journal on Mathematical Analysis*, 50(2): 1753–1778, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Zhu15] **Zhu:2015:CSC**  
Shengguo Zhu. On classical solutions of the compressible magnetohydrodynamic equations with vacuum. *SIAM Journal on Mathematical Analysis*, 47(4): 2722–2753, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ZK15] **Zelati:2015:MPS**  
Michele Coti Zelati and Piotr Kalita. Minimality properties of set-valued processes and their pullback attractors. *SIAM Journal on Mathematical Analysis*, 47(2): 1530–1561, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ZLMZ18] **Zhu:2018:GCP**  
Neng Zhu, Zhengrong Liu, Vincent R. Martinez, and Kun Zhao. Global Cauchy problem of a system of parabolic conservation laws arising from a Keller–Segel type chemotaxis model. *SIAM Journal on Mathematical Analysis*, 50(5): 5380–5425, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ZN19] **Zelati:2019:GSR**  
Vittorio Coti Zelati and Margherita Nolasco. Ground state for the relativistic one electron atom in a self-generated electromagnetic field. *SIAM Journal on Mathematical Analysis*, 51(3): 2206–2230, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ZT17] **Zheng:2017:LWP**  
Yunrui Zheng and Ian Tice. Local well posedness of the near-equilibrium contact line problem in 2-dimensional Stokes flow. *SIAM Journal on Mathematical Analysis*, 49(2):899–953, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Zhang:2014:GWP**

- [ZZ14] Qian Zhang and Xiaoxin Zheng. Global well-posedness for the two-dimensional incompressible chemotaxis-Navier-Stokes equations. *SIAM Journal on Mathematical Analysis*, 46(4):3078–3105, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

**Zhao:2019:IIP**

- [ZZ19] Hongkai Zhao and Yimin Zhong. Instability of an inverse problem for the stationary radiative transport near the diffusion limit. *SIAM Journal on Mathematical Analysis*, 51(5):3750–3768, 2019. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).