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04 December 2023
Version 1.00

Title word cross-reference

1000μ [BM18]. 16 [DB22]. 2 [NIKK21, ZCB+20]. $2.5T$ [PAMH18]. 3 [ASIM21, AHUS19, BS21, BHF+22, BOB+19, BEES22, BVMHP22a, BM18, CVT+21, CKB+22, DS21, DÖ23, DBP+21, DKM23, DOG21, GPO+20, GCM21, HS21, HSS22, HW22, HHSP18, JKKK22, KLS22, KTK22, KTT+21, MWG+22, MSWC21, MKL+21, NSHA22, OKH22, PTKG21, PWC23, PDR+22, PHF18, RJL+23, RWK22, SMS+23, SK23, SSL+20, STE+20, STP20, SKK+23, SFWW22, TSF21, TPLT22, TBBI21, TLP+23, VBK+22, VCS+23, WS18b, WBD+21, WMPP18, YXES21]. 32 [FLL23]. $_2$ [BH22, BGE+20, LKL+21, MKM+23, TLO+22]. H [PRR+23]. ∞ [RMOB+19]. L [BM18]. μ [AP22, GHHR20]. T [BGJGC23].

-based [SG21, DB22]. **-board** [AP22]. **-bridge** [PRR+23]. **-channel** [DB22, FLL23]. **-D** [ASIM21, BVMHP22a, GPO+20, HHSP18, STP20, TPLT22, WMPP18]. **-measuring** [BH22]. **-photon** [ZCB+20].

1 [GCKF22]. **19** [CABA+21, GPO+20, HP20, MNMN+20, MDR20, NMZMT20, NHAH+21, Pea21, RRS+23, VA21].

2.0 [HPU21]. **2017** [Ano17d, Ano17c]. **2018** [Ano18b, Ano18c]. **2019** [Ano19a, Ano19b]. **2020** [Ano20a, Ano20b]. **2021** [Ano21a, Ano21c]. **2022** [Ano22a, Ano22b]. **2023** [Ano23b, Ano23c, Ano23a, Ano23d].

3D [JTD20].

4.0 [PBD+22].

7 [KTK22].

abdominal [GCHP22]. **ablated** [RGSGD+23]. **Ablation** [NAN19]. **aboard** [Pri19]. **absolute** [BVMHP22b]. **absorbance** [POT+22]. **AC** [MRKP23]. **AC/off** [MRKP23]. **AC/off-grid** [MRKP23]. **academic** [PDMV23]. **access** [SGD19]. **accessible** [MPB21, VS22]. **acidification** [OFP+23]. **acoustic** [HPS+19, hTFC+23, ZBOB22]. **acoustical** [MBML21]. **acoustically** [ZBOB22]. **Acousto** [BPP+19]. **Acousto-Optic** [BPP+19]. **acquisition** [BBJ21, BCB+22, BVVAD21, BVVA21, KwMMM23, LBK22, MSR+23, NAC+22, OWHP23, PBD+22, SKC+20, SRC+22, THL+20]. **acrylic** [WDW21]. **Actifield** [KAT18]. **actimeter** [KAT18]. **active** [FPC+19, McM17, MMR+23, SL22, SAB+18, UMEA19]. **activity** [SRB+22]. **actuation** [UMEA19]. **actuator** [BS22b]. **AD5933** [MMR22]. **Adaptable** [LB17, LHN+23, CJ20, NLYB23]. **adapted** [MNMN+20]. **adapter** [KSB22]. **Adaptive** [Kod18, MPASIM23]. **additive** [POP+20, RNRP23]. **adherent** [PK21]. **adhesion** [LSD22, MZLG20, PNM+23, VSTB19]. **adjustable** [CKMW21, RAMM20, WSI+22]. **administration** [KLF+20]. **ADO** [SBTPV22]. **Adsorption** [GAB+22, RHR19]. **advanced** [PMCL20, VKM+23, ZSLF23]. **aerial** [LHZ+18, MHBVBVMA23]. **aerially** [NMZMT20]. **aerodynamic** [IPR22]. **aerosol** [KWP22]. **AFE4300** [FLL23]. **affordable** [BSE20, CFV+19, DÖ23, DKH+23, GST+22, PHL+20, SMS+23, THL+20]. **Africa** [BSS+20]. **against** [SWPG19]. **Agenator** [LRSC19]. **aging** [LRSC19]. **agricultural** [DMS+22]. **agriculture** [BVMHP22c]. **air** [ARLS22, BSO+23, BVBTMVP23, HP20, JBG+22, PTKG21, PHLM22, RAMM20, Sur21]. **air-purifying** [HP20]. **airborne** [JBG+22]. **AirQo** [BSO+23]. **albedometer** [BVMHP22b]. **algal** [NND+22]. **algorithm** [IBL+17]. **algorithms** [PMCL20]. **aligner** [GST+22]. **All-in-One** [SIY+23, WS19, NGSU21]. **all-iron** [KYA21, YA19]. **allowing** [KHRC21]. **allows** [PJS22]. **alone** [KNAR22, PMA+23]. **alternative** [KLF+20]. **altitude** [LLO22, Pri19]. **aluminum** [TBBI21]. **amplification** [HYdM21]. **amplifier** [CKMW21]. **anaerobic** [CPB+22, HG21]. **analogue** [MBP19]. **analyses** [CED20]. **Analysis** [GME+22, CFRF+23, FLL23, INS+23, KKV20, LOSM18, LDN+22, MCLSN19, MHBVBVMA23, MSR+23, MTPK20, RMB18, SMS+23, VOS22, WNKP22]. **analytical** [LWS+22]. **analyzer** [CNBH22, HSS22, LKL+21, POP+20, Rom21, RJL+23]. **Android** [BGJGC23, Poó23]. **angle** [BVVAGMRP22, BVORMH+22, HSS22]. **Animal** [GMB20, CFRF+23, LHN+23, OHF17, PHLM22]. **antenna** [CPVCRLS17, DMA+23, Kod18]. **antennas** [JKKK22]. **anthropomorphic** [Lup17, PK20]. **Antibody** [LNP+23, HS21]. **ants** [SRB+22]. **AntVideoRecord** [SRB+22]. **any** [JTD20]. **APELLA** [SIY+23]. **apertures** [LKN21]. **Aplysia** [KOBT23]. **apparatus** [CBTGAG+18, FK19, GLG+23, HP20, KAB+20, Pri19, SWPG19, SK21, WCR22]. **apparent** [CPCQY23]. **Application** [SKK+23, CKB+22, KOBT23, Kod18]. **applications** [AC20, BOB+19, BVMHBV21, Bie23, BKM+21, BVVA21, BVMHP22c, BJL+20, BG21, CFD+20, DMS+22, GLD18, ICBL22, KW23, LKL+21, LWS+22, LBK22, MBP19, MPB21, MMR+23, NRK+23, POT+22,

RJL+23, STP20, SKK+23, TLŠ+22]. **applied** [GC23, MBML21]. **approach** [BGE+20, ILL18, RGSGD+23]. **Approaches** [HHSP18, MBH+21]. **appropriate** [DMA+23]. **April** [Ano17d, Ano18c, Ano19a, Ano20a, Ano21a, Ano22a]. **aquaculture** [SBTPV22]. **aquatic** [HJvdG+22, MBC+20, TS22]. **aqueous** [Bow23]. **arbitrary** [PK23, ZCB+20]. **arc** [POP+20]. **ARDS** [CABA+21]. **Arduino** [LNP+23, BMOTGHL23, CNPP21, CRLF+23, DC23, DKM23, GFLMRV+23, GAB+22, KW23, LLO22, LBK22, MPB21, PLP23, SOB+23, SGD19, dCSMVFR23]. **Arduino-based** [CNPP21, KW23, LBK22, MPB21, SGD19]. **Arduino-operated** [LNP+23]. **area** [MD22]. **areas** [PPAP21, PEJ+22, RBB+22]. **arm** [BSE20, KFB+23, KG22, TCG+21]. **array** [MPB+23, Poó23]. **arrays** [FRJ+22, MD22]. **Arsenic** [GME+22]. **art** [MDR20]. **arthropods** [McM17]. **articles** [Ano21b]. **ASAP** [SMS+23]. **assay** [HS21, TBM20]. **assembled** [DHY18, KST19, Kur21]. **assembly** [GST+22]. **Assessing** [CAR+23]. **assessment** [DHY18, MBML21]. **asymmetric** [VOS22]. **ATMO** [MNMN+20]. **ATMO-vent** [MNMN+20]. **atmosphere** [MNMN+20]. **atmospheric** [MMP+19, Pri19, RBB+22, SMS+23]. **atomic** [GFLMRV+23, LAW+22]. **atomically** [PÁBS23]. **attachment** [GCK+23]. **AudioMoth** [HPS+19]. **Augmentation** [ZSLF23]. **Australia** [KMB+22]. **Authors** [Pea21]. **Auto** [CSH18]. **Auto-HPGe** [CSH18]. **automatable** [SGH+18]. **automate** [LDN+22]. **Automated** [DOV+21, GME+22, HHKB20, LBK+21, MECH21, MKH+20, MD20, BCN+21, BS22a, BGJGC23, BKM+21, BM19, BPM+18, CHBMCV+23, DCY+22, ELL21, EMMH20, FDD17, FES+21, FK19, ILG23, KAT18, MCLSN19, NIKK21, PTD+20, SMW+20, SKG22, VOS22, VSTB19, WS19, YLW+23]. **automatic** [AG23, OHF17, NAN19]. **automating** [DB22]. **Automation** [GFLMRV+23, MN22, OWHP23, WLML23]. **automized** [HG21]. **Autonomous** [MDD20, MDD+21, NLYB23, SRB+22, CFV+19, CAR+23, LKN21, MBC+20, PEJ+22, RJL+23, Ryu22a, SMB+21]. **autonomously** [KKwM22]. **autosampler** [CSH18, CM18, CED20, Car20, Car21, DOG21]. **autostainer** [PDR+22]. **Autotitrator** [dCSMVFR23]. **avalanche** [MKVS21]. **avoidance** [CFV+19]. **axis** [AFK+19, GMB20].

bacteria [CPB+22]. **bacterial** [PPAP21, WDW21]. **bag** [PTD+20]. **ball** [MRKP23]. **balloon** [LLO22]. **balloons** [Pri19]. **bandwidth** [LPB18]. **banks** [DBRE21]. **Based** [AB23, BS22a, BMOTGHL23, CBT+22, CNPP21, CABA+21, CNBH22, DCY+22, DOV+21, FMD+22, FKM+21, FLL23, GC23, GBDS22, GAB+22, HSH+22, HYdM21, HW22, HKMdB22, IBL+17, JSG+22, JSS+18, KwMMM23, KW23, LMC18, LBK22, LPB18, MBP19, MGJ+22, MPB21, MKL+21, MKVS21, MMR22, NFBR23, OCS21, PRR+23, PTD+20, PPG+22, PDR+22, Ryu22b, SG21, SMS+22, SGD19, SJB22, SBTPV22, TCC+18, TLO+22, TLP+23, VCS+23, WCR22, YXES21, ZR20, dCSMVFR23, vAvdGP+22, DB22, LNP+23]. **batch** [THMZ22]. **bath** [SGD+22]. **battery** [DVD17, KYA21, YA19]. **battle** [Pea21]. **BCI** [MP20]. **bead** [ZR20]. **beam** [FKM+21]. **beamline** [LKN21]. **bearing** [DHY18]. **beef** [LRSC19]. **behavior** [UMEA19]. **behavioral** [DHY18]. **behaviour** [CFRF+23]. **behavioural** [AdT+20]. **Bench** [AKJT22, KDH+19, SWPG19]. **Bench-top** [AKJT22, KDH+19]. **benchmark**

[KFB+23]. **benchmarking** [THMZ22]. **benchtop** [DOG21, Poó22]. **bespoke** [OhMAN23]. **between** [KHRC21]. **beyond** [GAMK23]. **bi** [GCHP22, SKK+23]. **bi-directional** [GCHP22, SKK+23]. **Biaxial** [CSS+22, ILG23, PCCS23, STE+20]. **Bilateral** [TLP+23]. **billion** [SKS23]. **BIMMS** [RBRK23]. **bin** [GC23]. **bio** [KHRC21, VSTB19]. **bio-adhesion** [VSTB19]. **bio-printer** [KHRC21]. **biocompatible** [KPY+18]. **biodiversity** [HPS+19]. **bioimpedance** [MMR22]. **BioIn** [dOdF23]. **BioIn-Tacto** [dOdF23]. **biological** [FES+21, MPB21, RBRK23, SNAO20]. **biology** [Poó22]. **biomedical** [MMR+23]. **Biomimetic** [vdBSRW22, CLCT19]. **bioprinter** [KTT+21]. **bioprinting** [BOB+19, TSF21]. **bioreactor** [LPK+23, RMOB+19]. **bioreactors** [ELL21]. **biosafety** [NMZMT20]. **BioSamplr** [ELL21]. **biosensing** [KSB22, POT+22]. **bipolar** [AC20]. **birdcage** [KTK22]. **blenders** [PÁBS23]. **blood** [AAUP23, BDPJGS23]. **BLOSM** [vAvdGP+22]. **blot** [BM19]. **blow** [DOV+21]. **board** [AP22, KKwM22, ZTS22, Ano17a, Ano17b, Ano18a, NGSU21]. **body** [FLL23]. **bolus** [KMG+21]. **bone** [BBPP23, JCBBFVC23]. **Boron** [vAvdGP+22]. **Boron-based** [vAvdGP+22]. **BoSL** [MSWC21]. **bottle** [FK19, MBKP23]. **Bottom** [NGS20]. **Bottom-illuminated** [NGS20]. **boundaries** [PWC23]. **box** [CC18, CHBMCV+23, LDN+22, VCS+23, ARV+22, BMD+20, LLL22]. **BREAD** [OWHP23]. **breadboard** [TBBI21]. **breathing** [HP20, MNMN+20]. **bricks** [TBBI21]. **bridge** [PRR+23]. **Bringing** [PSL+20]. **broad** [CNBH22]. **Broadly** [OWHP23]. **buffer** [WM19]. **build** [AOAPH19, DMG23, GAB+22]. **building** [TBBI21]. **buildings** [PAMC17]. **built** [GFM+19, PCCS23]. **bulk** [RAMM20]. **Buoy** [AB23]. **butterfly** [KCW21b].

C [BFV+21]. **Cable** [NKM+21]. **cage** [WS18b]. **calibrating** [SKK+23]. **calibration** [BGE+20, Sur21]. **call** [CHBMCV+23]. **cam** [Poó23]. **Camera** [HOW23, JSG+22, MBC+20, PHL+20, RKD+22, SKC+20, SK23, SG21, SMS+22, SGH+18, WRH+20, ZSLF23]. **cameras** [BRC+20, PHL+20, SKC+20]. **campaigns** [BGJGC23]. **Can** [MDR20]. **Canada** [KMB+22]. **cannula** [KLF+20]. **canvas** [ILG23]. **capabilities** [CABA+21, KPKK19]. **capture** [SRB+22]. **capturing** [SG21]. **card** [ARV+22]. **CAREDAQ** [NAC+22]. **carrier** [CWB+21]. **cart** [KFB+23, TCC+18]. **case** [CC18]. **cavity** [BCN+21]. **cEEGrid** [KSB22]. **cell** [CWB+21, KWP+21, KST19, MKM+22, MKL+21, NSZ+23, RHWP22, SZZ22]. **cells** [FAM+18, PRR+23, PK21, RMOB+19, SGD+22]. **cellular** [SGD19]. **cellulose** [MD22]. **centrifugal** [GLG+23, RKD+22, SMW+20]. **centrifuge** [BJL+20, Poó22]. **ceramic** [PWC23]. **cerebral** [BMOTGHL23, RMOB+19]. **chamber** [HG21, LS20a, MKM+22, SDDL20, VS22]. **Change** [CAR+23, HJvdG+22, NAN19]. **channel** [DB22, FLL23, JTD20, LBK22, REP19, hTFC+23]. **chaos** [KFB+23]. **characterization** [AFK+19, CSS+22, DVD17, IPR22, KWP22, RBRK23, SHS+23, SKS23, VSTB19]. **characterizing** [LS20b]. **chatter** [SL22]. **chemical** [HPU21, LOSM18, MBH+21, NIKK21, POT+22, VBK+22]. **children** [AOAPH19, Lup17]. **chip** [BRC+20, CWB+21, JCBBFVC23, RGSGD+23]. **choice** [FK19]. **chromatography** [MCLSN19, MLBR+23, SS23]. **chuck** [SOB+23]. **cigarette** [CSB21]. **circuitry** [KFH22]. **circuits** [HPLC21, Kur21]. **circularity** [PDMV23]. **circulatory**

[SRC+22]. **circumferential** [GCHP22]. **cities** [JC17]. **Citizen** [CGB+19, FKM+21]. **citizen-science-based** [FKM+21]. **clamp** [LHN+23, SMSR21]. **clamping** [SSL+20]. **classification** [FMD+22, MBML21]. **cleanroom** [NMZMT20, RGSGD+23]. **Climate** [CAR+23, BVMHP22c, HJvdG+22, NAN19]. **clinical** [SRC+22]. **clockwork** [PPHP+23]. **closed** [BJL+20, REP19]. **closed-loop** [BJL+20, REP19]. **clusters** [THMZ22]. **CNN** [FMD+22]. **CNN-based** [FMD+22]. **CO** [BH22, BGE+20, LKL+21, MKM+23, TLO+22]. **coaching** [KNAR22]. **coastal** [CFV+19, RBB+22, SMB+21]. **coater** [RWK22, SOB+23]. **coating** [DFS+22]. **coefficients** [RHWP22]. **cold** [MYG+23]. **collecting** [CSB21]. **collection** [GC23, GCHP22, GCK+23, MTPK20, Pri19]. **collector** [MLBR+23, FATM22]. **Collector/MALDI** [FATM22]. **colony** [PPAP21]. **color** [NSZ+23, ZTS22]. **colorimeter** [Kur21]. **colorimetric** [VCS+23]. **ColoriSens** [ZTS22]. **column** [DCY+22, SS23]. **combination** [JBG+22]. **commercial** [HSS22, KPY+18, KLF+20]. **common** [CLCT19]. **communication** [ARV+22, BVMH21, BVMHP22c, BVBTMVP23, SGD19, ZTS22]. **communications** [FAR22]. **community** [MYG+23]. **commutator** [KK23]. **Compact** [AB23, CAR+23, BDPJGS23, HYdM21, ICY21, LDN+22, PMA+23]. **Comparison** [MBH+21]. **compatible** [STE+20]. **compensation** [GLPM19]. **Compensator** [GLPM19]. **complex** [JC17]. **compliance** [KCW21b]. **compliant** [dOdF23]. **components** [CKB+22, MCAR+21]. **composite** [DBP+21]. **composition** [FLL23]. **compounds** [VOS22]. **Comprehensive** [MZW+21]. **compression** [LPK+23]. **computational** [JC17]. **computer** [LRSC19]. **computer-controlled** [LRSC19]. **condensate** [CSB21]. **condition** [LMC18]. **conditions** [RBB+22]. **conduct** [CHBMCV+23]. **conductive** [WOM+22]. **conductivity** [BGJGC23]. **connected** [KKV20]. **connectivity** [MZW+21]. **constructed** [MSWC21]. **constructing** [PK23]. **construction** [AZD19, ILL18, JBG+22]. **consumption** [GBDS22]. **contact** [HSS22, MCAR+21, SWPG19]. **contagion** [TLO+22]. **contained** [HP20, LS20a]. **container** [MN22]. **container-grown** [MN22]. **contingency** [BSE20]. **Continuous** [SFWW22, DAS22, ICBL22, JKKK22, NND+22, RNRP23]. **Control** [LRP+23, ARV+22, AHUS19, AG23, BJL+20, BPM+18, CPLM23, CWB+21, DMC22, DKH+23, FZZ+23, HJvdG+22, KFB+23, KCW21a, KW23, MPB21, MSR+23, MMR+23, OFP+23, PHLM22, PMCL20, SL22, SDDL20, TTA+21, TLP+23, WS19]. **controllable** [PK21, PÁBS23]. **controlled** [AAUP23, CPB+22, CPCQY23, DC23, DMA+23, GCCCBF22, LRSC19, RHR19, SOB+23, SK21, TLO+22, VdB22, YLW+23, DVD17]. **controlled-adsorption** [RHR19]. **Controller** [WS18a, AC20, FZZ+23, GCM21, KCW21b, LAW+22, MZW+21, VKM+23, ZCB+20, OFP+23]. **controlling** [LKN21]. **controls** [LS20a]. **Conversion** [HP20, BOB+19]. **converter** [BCB+22, CPLM23, MMR22]. **converting** [WMPP18]. **conveying** [DMG23]. **cooled** [BEES22]. **cooling** [BPP+19, MDC+19, RHWP22]. **cope** [MDR20]. **copter** [YM23]. **CoralCam** [GFTD20]. **cores** [SMS+22]. **coring** [THL+20]. **corneocyte** [LAW+22]. **Cost** [AB23, HSH+22, KLS22, AIB21, AdT+20, ARLS22, AHUS19, ACHB19, AKJT22, BHF+22, BBJ21, BPW18, BV18, BSD+22, BS22a, BPP+19, BMD+20, BGJGC23, BKM+21, BCB+22, BVVAD21, BVVA21, BVMHP22b, BVMHP22c, BVVAGMRP22,

BVORMH+22, BVBTMVP23, BG21, BGE+20, BPSO23, CJ20, CSB21, CBTGAG+18, CLCT19, CKB+22, CPR+21, CRLF+23, CHBMCV+23, CPCQY23, DC23, DYL+18, DAS22, DCY+22, DOV+21, DMS+22, DFS+22, ELL21, FLL23, FRJ+22, FPC+19, GLD18, GCKF22, GML+20, GFTD20, GV20, GBDS22, GFM+19, HS21, HSS22, HCS20, HG21, HPS+19, HKMdB22, ICBL22, IBL+17, IPR22, JZS+23, JSG+22, JCFK+23, JBG+22, JKKK22, JHA+19, JTD20, KwMMM23, KWP+21, KK23, KPY+18, KLF+20, KFH22, KDH+19, KG22, KS21, KHRC21, KMG+21, LZV+20, LSSA20, LNP+23, LKL+21, LWS+22, LAW+22, MLG+20, MKM+22, MWG+22, MGJ+22]. **cost** [MBML21, MSWC21, MPFC21, MPB21, MHBVBVMA23, MCAR+21, MKVS21, MBC+20, MMR22, MMR+23, MBH+21, MTPK20, NRK+23, NGSU21, NND+22, OP18, OhMA22, OhMAN23, PPAP21, PPF+22, PMA+23, PMCL20, PPHP+23, Poó22, PDDT23, RKD+22, RGSGD+23, RJN+23, Ryu22a, SVMV20, SDDL20, SMB+21, SK23, SS23, SHS+23, SMS+22, SWPG19, SKG22, SKS23, SRC+22, SGD19, Sur21, hTFC+23, TKHB21, TLŠ+22, VS22, VDV23, WSI+22, WSB+20, WDW21, YXES21, ZTS22, ZSLF23, ZBOB22, vAvdGP+22]. **Cost-effective** [HSH+22, AKJT22, SMS+22]. **cost-efficient** [SMB+21, vAvdGP+22]. **coupled** [KCW21b, VCS+23]. **courses** [BSE20]. **COVENT** [AIB21]. **COVENT-Tester** [AIB21]. **COVID** [CABA+21, GPO+20, HP20, MNMN+20, MDR20, NMZMT20, NHAH+21, Pea21, RRS+23, VA21]. **COVID-19** [CABA+21, GPO+20, HP20, MNMN+20, MDR20, NMZMT20, NHAH+21, Pea21, RRS+23, VA21]. **COVOX** [RRS+23]. **creativity** [AOAPH19]. **creativity-stimulating** [AOAPH19]. **crisis** [CABA+21, MDR20]. **CRoAK** [GMB20]. **crop** [SGH+18, SMSR21]. **CropManage** [SGD19]. **crops** [MN22]. **cryoanesthesia** [JCFK+23]. **cryopreservation** [KOBT23]. **cryostats** [MDC+19]. **crystal** [HKMdB22, MMR+23]. **CubeSat** [LLO22]. **cultivation** [HW22, NGS20]. **Cultural** [ASME18]. **culture** [HW22, MKM+22, MKL+21, NND+22, PK21, WDW21]. **CultureLED** [HW22]. **curing** [DS21, GPO+20]. **current** [BS22b, Ulr19]. **curve** [CBT+22]. **custom** [AC20, BSO+23, PCCS23]. **custom-built** [PCCS23]. **Customizable** [GMB20, CVT+21, KLF+20, TCG+21, WRH+20]. **cut** [KST19, Kur21, WDW21]. **cycling** [LPK+23]. **cylindrical** [FAM+18].

D [ASIM21, AHUS19, BS21, BHF+22, BOB+19, BEES22, BVMHP22a, BM18, CVT+21, CKB+22, DS21, DÖ23, DBP+21, DKM23, DOG21, GPO+20, GCM21, HS21, HSS22, HW22, HHSP18, JKKK22, KLS22, KTK22, KTT+21, MWG+22, MSWC21, MKL+21, NSHA22, NIKK21, OKH22, PTKG21, PWC23, PDR+22, PHF18, RJL+23, RWK22, SMS+23, SK23, SSL+20, STE+20, STP20, SKK+23, SFWW22, TSF21, TPLT22, TBBI21, TLP+23, VBK+22, VCS+23, WS18b, WBD+21, WMPP18, YXES21]. **D-bioprinter** [KTT+21]. **D-Printable** [WBD+21, BHF+22, TBBI21]. **D-printed** [BM18, CVT+21, CKB+22, DKM23, GCM21, JKKK22, KLS22, MSWC21, OKH22]. **D4** [Kod18]. **dams** [BBJ21]. **DAQ** [BBJ21, BCB+22, GML+20, LBK22]. **Dark** [PZF23]. **Dark-field** [PZF23]. **Data** [NAC+22, WRSU23, BBJ21, BCB+22, CC18, CFD+20, GCHP22, GCK+23, KwMMM23, LBK22, MTPK20, NGSU21, OWHP23, PBD+22, Pri19, RGM20]. **database** [KMB+22]. **datalogger** [BVMHBV23, McM17, SGD19]. **DC** [CKMW21, Ulr19]. **December** [Ano23a]. **dedicated** [CFD+20]. **deep** [RPHS23].

defibrillator [FDD17]. **degree** [UB20]. **degrees** [FZZ+23]. **dehydriding** [CBTGAG+18]. **delivery** [PHLM22]. **demineralized** [JCBBFVC23]. **dendrometer** [CHG+21]. **density** [NND+22, SMB+21]. **deployable** [SSM+22, ZBOB22]. **deployed** [PEJ+22]. **deployment** [NKM+21]. **deposition** [GAB+22, NIKK21]. **Design** [BSE20, BVMHP22a, BVMHP22b, CJ20, DFS+22, HKMdB22, ILL18, JBG+22, KHRC21, LRP+23, NSHA22, PRR+23, PPF+22, RKD+22, SBT20, SG21, BEES22, GPO+20, IPR22, KWP22, KSB22, LLL22, MBH+21, RMOB+19, SOB+23, vdBSRW22]. **designed** [BSO+23]. **Designing** [OhMA22]. **desktop** [PHF18, SFWW22]. **destructive** [SMSR21]. **Detecting** [GME+22]. **detection** [CKMW21, DMS+22, IBL+17, JKKK22, POT+22, VCS+23, ZTS22]. **detector** [FMD+22, HYdM21, MKVS21, VDV23, vAvdGP+22]. **detectors** [CSH18]. **determine** [PNM+23, SK23]. **determining** [RHWP22]. **developing** [BVMHBV21]. **Development** [Bie23, BVMHBV23, DÖ23, FAM+18, GBDS22, KW23, LPK+23, MLG+20, MN22, VOS22, HS21, OCS21, YXES21]. **Device** [LSD22, OhMA22, ARLS22, ASME18, BV18, BFV+21, BSD+22, BS22a, BGJGC23, BVVAD21, BVVA21, BMOTGHL23, BPSO23, CSB21, DAS22, DOV+21, DHY18, DMS+22, EZ22, GCHP22, GCK+23, HJvdG+22, HPS+19, JCFK+23, KDH+19, KKV20, KNAR22, LKL+21, LBK+21, MKH+20, NRK+23, NAC+22, OWHP23, OFP+23, POT+22, RGSGD+23, SBT20, TPLT22, THMZ22, VCS+23, WNKP22]. **Devices** [PSL+20, AP22, BPM+18, GST+22, PAMC17, SAB+18]. **diafiltration** [LBK+21]. **diaphragm** [LKN21]. **didactic** [PMCL20]. **dielectric** [PMA+23]. **different** [HJvdG+22]. **differential** [BHF+22, LBK22]. **diffraction** [SE23]. **diffuser** [PTKG21]. **diffusion** [SZZ22]. **Digital** [PSL+20, SKC+20, BDPJGS23, HYdM21, LDN+22, SBTPV22]. **dimensional** [MMR22]. **dip** [DFS+22]. **direct** [KA20, SMS+23]. **directional** [GCHP22, JBG+22, SKK+23]. **Disc** [SIY+23]. **diseases** [FMD+22]. **disinfection** [BV18, BFV+21]. **dispenser** [HS21, LNP+23]. **dispensing** [KLS22]. **disruptions** [OGP22]. **dissipation** [MMR+23]. **dissolved** [NND+22]. **distensions** [PHLM22]. **Distributed** [LKJ+23, PBD+22, TLO+22, BSD+22, CPR+21, FZZ+23, KDH+19]. **distributing** [JZS+23]. **distribution** [MMR22]. **division** [MBP19]. **DIY** [MP20, PJS22, TKHB21]. **DNA** [PJS22]. **do** [TKHB21]. **do-it-yourself** [TKHB21]. **docking** [SSM+22]. **documentation** [Ban23]. **DoF** [TCG+21]. **domain** [PMA+23]. **DONALD** [PAMH18]. **dongle** [BH22]. **Doppler** [JKKK22]. **dorsiflexion** [RHAB22]. **double** [BPSO23, MTPK20]. **down** [BCN+21, NKS22]. **drill** [BBPP23, THL+20]. **DripOMeter** [VAG+22]. **drive** [KA20]. **driven** [GLD18, LKN21, RHR19]. **Driver** [KCW21b, BPP+19, BS22b]. **Drone** [CAR+23, LHZ+18, PEJ+22]. **drone-deployed** [PEJ+22]. **Drosophila** [CLSZ+17]. **drug** [SZZ22]. **drum** [RJN+23]. **dry** [LRSC19, LS20b]. **dryer** [RAMM20]. **drying** [RAMM20]. **DSAIL** [KKwM22]. **dual** [CPVCRLS17, DC23, DBP+21, FKM+21, GLD18, POT+22]. **dual-beam** [FKM+21]. **dual-loop** [CPVCRLS17]. **dual-polarity** [DC23]. **dummy** [ACHB19]. **duration** [PDDT23, YM23]. **during** [BSE20, DMC22, CABA+21, OGP22, RRS+23, TSF21, ZCB+20]. **dynamic** [KPY+18].

e-RFIDuino [CNPP21]. **ear** [KSB22]. **ear-electrode** [KSB22]. **Earth**

[BVMHBV23]. **earthquake** [SAB+18]. **easily** [BHZ+22, MSWC21]. **Eastern** [CC18]. **Easy** [DMG23, GAB+22, JTD20, Rom21]. **EC** [BGJGC23]. **ECAM** [CSB21]. **ecological** [GFTD20, MMP+19, WRH+20, ZSLF23]. **Economic** [Pea20, PWC23]. **ecosystems** [NLYB23]. **Editorial** [Ano17a, Ano17b, Ano18a]. **eDNA** [FES+21]. **education** [AG23, BVMHBV21, dOFdJN+22, RSV+23, SAB+18]. **educational** [PDMV23]. **EEG** [BMD+20, MP20]. **effective** [AKJT22, HSH+22, IBL+17, OhMAN23, SMS+22]. **effector** [TCG+21]. **effects** [RGM20]. **efficiency** [OKH22]. **efficient** [GCM21, HSH+22, IBL+17, PAMC17, SMB+21, vAvdGP+22]. **egg** [KOBT23]. **eGreenhouse** [LKL+21]. **elbow** [KA20]. **electric** [JBG+22]. **electric-field** [JBG+22]. **electrical** [BGJGC23, CFD+20, GBDS22, RBRK23, RHAB22, REP19, BHZ+22]. **electro** [KK23, SSM+22]. **electro-** [KK23]. **electro-permanent** [SSM+22]. **electrochemical** [GFM+19, HKMdB22]. **electrochemistry** [ICY21]. **electrode** [KSB22, RBRK23]. **electrode-tissue** [RBRK23]. **electroencephalographic** [CPCQY23]. **electroformation** [BPW18]. **Electromagnetic** [WSL+19, KAB+20]. **Electromechanical** [WOM+22, SMSR21]. **electromyography** [FPC+19, MPFC21]. **electron** [VDV23]. **Electronic** [BRC+20, CPLM23, CSB21, KFH22, KNAR22, MCAR+21, VAG+22, NAN19]. **electronics** [FAR22, LLL22]. **electrophoresis** [LSSA20]. **electrophysiological** [AdT+20]. **Electrospinning** [OhMA22, OhMAN23, WSI+22]. **electrostatic** [KWP22]. **electrowritting** [MECH21]. **elemental** [CED20]. **embedded** [MBP19, SFWW22]. **emergency** [HSH+22, KMB+22, RPHS23, RRS+23]. **EmerSense** [PDDT23]. **emersion** [PDDT23]. **EMOTIV** [MP20]. **emulation** [SL22]. **enable** [SGD19]. **enabling** [CPB+22]. **enclosure** [GMB20, WS18b]. **end** [SBTPV22, TCG+21, Bow23]. **end-to-end** [SBTPV22]. **Ender3** [BS21]. **endoscope** [SMS+22]. **Enerduino** [PLP23]. **Enerduino-pro** [PLP23]. **energy** [BCB+22, BVMHP22c, FAR22, GBDS22, PNM+23, PAMC17, YA19]. **energy-efficient** [PAMC17]. **engineered** [LPK+23]. **engineering** [BG21, SAB+18, SKK+23]. **Enhancing** [NKS22]. **environment** [HPS+19, NGSU21]. **environmental** [BVMHP22a, Bow23, CGB+19, CNPP21, LS20a, LLO22, PJS22, TS22]. **environments** [ASME18]. **equipment** [AKJT22, BPW18, LSSA20, NHAH+21, SVMV20, WOM+22]. **ergonomic** [VA21]. **Erratum** [Ano21b]. **ESB** [BMD+20]. **ESP32** [Kod18]. **ESP32-PICO-D4** [Kod18]. **estimation** [BRC+20, MMR22]. **evaluate** [SMSR21]. **evaluation** [FAM+18, KMB+22, OKH22, Sur21]. **events** [PDDT23]. **everyone** [VdB22]. **Example** [PEJ+22]. **exchangeable** [DÖ23]. **excitation** [MBML21]. **exoskeleton** [KA20, TLP+23]. **Expandable** [OWHP23]. **experimental** [DMG23, KFB+23, UMEA19]. **experimentation** [CGB+19]. **experiments** [AdT+20, ACHB19, BHF+22, BCN+21, CHBMCV+23, GML+20, HG21, LLL22, MZW+21, OHF17, OFP+23, TTA+21, VdB22, VS22]. **expressive** [FSM+21]. **extended** [PPAP21, SGG23]. **extension** [KST19]. **external** [FDD17]. **extraction** [PJS22]. **Extruder** [BOB+19, DS21, dOFdJN+22, KPKK19, PWC23, PHF18, SFWW22, TSF21, WMPP18]. **extrusion** [KHRC21, TSF21]. **extrusions** [TBBI21]. **eye** [CLSZ+17].

fabric [SWPG19]. **fabricate** [JTD20]. **Fabricating** [OhMAN23]. **Fabrication** [MPB+23, MD22, OKH22, OhMA22, DFS+22, FRJ+22, JCBBFVC23, NRK+23, RNRP23, RKD+22, SBT20]. **face** [FSM+21, IBL+17, NHAH+21]. **Facially** [FSM+21]. **facility** [LMB+23]. **factors** [MMP+19]. **FAIMS** [VOS22]. **FAL** [MSWC21]. **fan** [LS20a]. **fast** [BPP+19, CAV+22, LZV+20, MPASIM23, RHR19, JTD20]. **fast-scan** [RHR19]. **feedback** [KA20]. **feeder** [JZS+23, OHF17]. **feeding** [RNRP23]. **fever** [ASIM21]. **FFF** [LSD22]. **fiber** [AAUP23, BVORMH+22, KCW21b, MKH+20, SFWW22]. **fiber-coupled** [KCW21b]. **fibers** [DOV+21, SBT20]. **fibre** [FAM+18]. **field** [BVMHBV23, BGE+20, DBRE21, HJvdG+22, JBG+22, LSSA20, LDN+22, NSHA22, PJS22, PZF23, Sur21, SGH+18, TCC+18, VOS22, WSL+19]. **field-based** [TCC+18]. **fighter** [HP20]. **filament** [dOFdJN+22, PWC23, WMPP18]. **filaments** [PWC23]. **filled** [MWG+22]. **film** [DVD17, GAB+22]. **filtering** [ILL18]. **filtration** [OKH22]. **fire** [HP20, RPHS23, SKK+23]. **First** [GCKF22, vAvdGP+22]. **FISH** [DB22, HCS20, UB20, vdBSRW22]. **fish-robot** [UB20]. **FishCam** [MBC+20]. **five** [UB20]. **fixation** [WYT23]. **flexible** [CPLM23, CFRF+23, FRJ+22, GFTD20, KNAR22, OCS21, RC18, Sur21]. **flight** [BRC+20, Pri19, YM23]. **flood** [SSM+22]. **Flow** [GME+22, BPSO23, GCHP22, GCK+23, HS21, HPC21, ICBL22, KPY+18, LBK+21, MHBVBVMA23, MD20]. **flow-through** [MD20]. **fluid** [BKM+21, DMG23, GHHR20, SRC+22]. **fluidics** [BKM+21, DB22]. **fluorescence** [Ban23, MPASIM23, NRK+23, POT+22, STE+20, ZTS22]. **fluorescent** [DB22, HPU21]. **fluorometer** [BHF+22]. **flux** [BSD+22]. **Fly** [BJL+20]. **Fly-by-Pi** [BJL+20]. **fNIRS** [TKHB21]. **foam** [WCR22]. **FoamPi** [WCR22]. **focus** [PZF23]. **food** [DÖ23, JZS+23, JSS+18]. **ForageFeeder** [JZS+23]. **force** [CNBH22, GFLMRV+23, HWR+19, LAW+22, hTFC+23]. **forest** [RPHS23]. **forming** [SKG22, WNKP22]. **Fostering** [PDMV23]. **found** [OGP22]. **four** [FLL23]. **FPGA** [DKH+23, IBL+17, WM19]. **fraction** [FATM22, MLBR+23]. **frame** [WM19]. **framework** [KMB+22, MSR+23, OWHP23, OCS21]. **Free** [BDPJGS23, Pea20]. **freedom** [FZZ+23, UB20]. **freely** [KK23]. **freeze** [BPSO23]. **freeze-quench** [BPSO23]. **French** [TPLT22]. **frequency** [BPP+19, SKS23]. **FRESH** [BOB+19, TSF21]. **FRESH-method** [BOB+19]. **freshwater** [NLYB23]. **friction** [CHG+21]. **front** [Bow23]. **front-End** [Bow23]. **frontline** [VA21]. **fronts** [PEJ+22]. **fruity** [BSS+20]. **FTP** [SGD19]. **full** [NHAH+21]. **full-face** [NHAH+21]. **Fully** [VSTB19, AG23]. **functional** [TKHB21]. **functions** [PDR+22]. **fused** [RNRP23].

gain [CKMW21]. **galvanostat** [DVD17, ICY21]. **gamma** [CSH18]. **gamma-ray** [CSH18]. **gantry** [TTA+21]. **gas** [BCN+21, KFH22, MKM+23, Sur21]. **Gaseous** [Bow23]. **gastropod** [CLCT19]. **Gateway** [PSL+20]. **GatorByte** [AB23]. **gauge** [NKS22]. **gel** [KHRC21, LSSA20]. **General** [GLPM19, ICY21]. **General-compensation-purpose** [GLPM19]. **generating** [CSB21]. **generation** [RMOB+19]. **generator** [ZR20]. **gentle** [OGP22]. **geolocation** [BG21]. **geological** [SK21]. **geopositioning** [BVMHP22b, BVMHBV23]. **geotechnical** [BJL+20]. **germanium** [CSH18]. **germicidal** [ARLS22]. **Giant** [BPW18]. **glacial** [RBB+22]. **glacier** [PEJ+22]. **glaciers** [NAN19]. **GNOME** [Bow23].

Gordian [KOBT23]. **GPS** [BGJGC23, CC18]. **gradients** [SMB+21]. **grafts** [JCBBFVC23]. **granulator** [RJN+23]. **Grape** [GCKF22]. **graphite** [MD22]. **gravity** [DCY+22, SOB+23]. **greenhouse** [LKL+21]. **Greenland** [PEJ+22]. **grid** [KKwM22, MRKP23, RBB+22]. **Griggs** [SK21]. **ground** [JSG+22, NKM+21, NKS22]. **ground-based** [JSG+22]. **grown** [MN22]. **growth** [HG21, MZW+21]. **Guide** [AOAPH19, PDMV23]. **guided** [SE23].

hand [CPCQY23, PK20, TLP+23, YXES21, ZBOB22]. **handheld** [BS22a, WLML23]. **handling** [GHHR20, HG21, WLML23]. **Hangprinter** [RNRP23]. **haptic** [CPCQY23, KA20]. **Hardware** [MDR20, SL22, AdT+20, ASME18, BVMHBV21, BHZ+22, CC18, CKMW21, GCM21, HF23, HHKB20, KWP22, KCW21a, KCW21b, KOBT23, KW23, MYG+23, OGP22, OCS21, PHLM22, REP19, THMZ22]. **Hardware-in-the-loop** [SL22]. **hardware-software** [THMZ22]. **HardwareX** [Pea21]. **hare** [KOBT23]. **harmful** [JBG+22]. **hazardous** [PEJ+22]. **head** [ACHB19, GCCCBF22, OKH22, WYT23]. **head-fixation** [WYT23]. **headband** [TKHB21]. **headset** [MP20]. **health** [MDR20, RRS+23]. **heart** [SJB22]. **heat** [LS20b, SWPG19, STP20]. **heat-sterilizable** [STP20]. **heatwave** [HJvdG+22]. **heavy** [CSH18]. **hectometric** [DMA+23]. **helium** [MDC+19]. **helmet** [LPB18]. **helmet-mounted** [LPB18]. **help** [MDR20]. **Heritage** [ASME18]. **High** [BEES22, CHG+21, LLO22, RAMM20, BCB+22, BS22b, CSH18, DC23, DHY18, GFM+19, JC17, KCW21b, LMB+23, LWS+22, LAW+22, LPB18, MPB21, MZLG20, MKM+23, MTPK20, NKS22, Pri19, SIR18, STP20, SK21, TSF21, TLŠ+22, VS22, vdBSRW22]. **high-bandwidth** [LPB18]. **high-current** [BS22b]. **High-performance** [BEES22]. **high-performing** [MPB21]. **high-precision** [GFM+19, LWS+22, NKS22]. **high-purity** [CSH18, MKM+23]. **high-quality** [MTPK20]. **high-speed** [LAW+22]. **high-temperature** [STP20]. **high-throughput** [LMB+23, TLŠ+22]. **Highly** [CVT+21, OKH22]. **Highly-customizable** [CVT+21]. **HistoEnder** [PDR+22]. **histological** [PDR+22]. **hobby** [KA20]. **holders** [SS23]. **hollow** [AAUP23]. **hollow-fiber** [AAUP23]. **Holographic** [BDPJGS23]. **honeycomb** [TBBI21]. **horn** [JKKK22]. **horticultural** [Bie23]. **hot** [GLG+23]. **house** [DHY18, WSI+22]. **housing** [GML+20]. **HPGe** [CSH18]. **HRI** [PK20]. **human** [JKKK22, OKH22, RMOB+19]. **humanoid** [FSM+21]. **Humidity** [VdB22, LS20a, RAMM20]. **Humidity-controlled** [VdB22]. **HumidOSH** [LS20a]. **hybrid** [KTT+21, MP20]. **hybridization** [DB22]. **hydraulic** [FZZ+23]. **hydriding** [CBTGAG+18]. **hydriding/dehydriding** [CBTGAG+18]. **hydrogel** [SFWW22, ZR20]. **hydrogels** [DBP+21, KTT+21]. **HyperRail** [AHUS19]. **Hyperspectral** [SVMV20, BVVA21]. **Hypnos** [NGSU21].

I-V [CBT+22]. **I/O** [PBD+22]. **i3** [BOB+19]. **ice** [MYG+23, MZLG20, THL+20]. **iceberg** [THL+20]. **IETeasy** [MBML21]. **iFO** [HCS20]. **illuminated** [NGS20]. **illumination** [HW22, KDH+19, TLŠ+22]. **image** [FMD+22, MSR+23, SE23]. **image-guided** [SE23]. **Imaging** [SVMV20, AHUS19, BDPJGS23, CWB+21, CFD+20, DB22, KTK22, KAB+20,

KMG+21, LAW+22, LB17, LHZ+18, LDN+22, MKL+21, MPB+23, NSZ+23, PPG+22, RKD+22, VCS+23, ZCB+20]. **immersion** [SGD+22]. **immunoassays** [WLML23]. **impact** [ACHB19]. **impacts** [ARV+22, NAN19, WSB+20]. **Impedance** [BHZ+22, HKMdB22, MMR22]. **implant** [WYT23]. **implant-protection** [WYT23]. **implantable** [KLF+20]. **implants** [LPK+23]. **implement** [Rom21]. **Implementation** [RC18, BVMHP22a, CJ20, IBL+17, KHRC21, NSHA22, WM19]. **implemented** [DMS+22]. **impulse** [MBML21]. **IMU** [BVMHBV23, LMC18, SG21, TLP+23]. **IMU-based** [LMC18]. **in-house** [DHY18, WSI+22]. **in-lab** [THMZ22]. **In-situ** [FAR22, FAM+18, KAB+20]. **in-vitro** [LPK+23]. **in-vivo** [KMG+21]. **incidence** [BVORMH+22]. **incident** [BVVAGMRP22]. **incline** [WSB+20]. **including** [CWB+21]. **incubation** [BCN+21, PPAP21]. **incubator** [CRLF+23, DBRE21, MKL+21, WDW21]. **incubot** [MKL+21]. **indoor** [ASME18, BVVA21, GV20]. **indoor/outdoor** [BVVA21]. **induced** [KS21, NKS22]. **industrial** [TBBI21]. **Industry** [PBD+22]. **Inertial** [BVMHBV23, LPB18, RGSGD+23, SG21]. **inexpensive** [DBRE21, DHY18, NLYB23, TTA+21]. **infections** [NMZMT20]. **Infrared** [ASIM21, MHBVBVMA23, HCS20, TKHB21]. **infusion** [KMG+21, SRC+22, VAG+22]. **InGaAs** [MKVS21]. **initiatives** [MDR20]. **inline** [GML+20, RCM21]. **Inquiry** [LOSM18]. **insertion** [BBPP23]. **Instrument** [GME+22, MBML21, MRZMT21]. **instrumentation** [DMA+23, FAM+18, MBH+21, RHR19]. **Instrumented** [dOFdJN+22, BBPP23, GMB20]. **insulin** [PPF+22]. **integer** [MBP19]. **Integrated** [OhMA22, KOBT23, NLYB23, TPLT22]. **Integrating** [PSL+20]. **integration** [MCLSN19, WS18a, ZTS22]. **intelligent** [FAR22]. **intensity** [KDH+19]. **intensive** [BSD+22]. **interaction** [UB20]. **interface** [INS+23, KW23, RBRK23]. **internet** [MZW+21, AB23, TS22]. **intertidal** [PDDT23]. **intra** [BMOTGHL23]. **intra-cerebral** [BMOTGHL23]. **intracerebral** [KLF+20]. **intravenous** [VAG+22]. **invasive** [DAS22]. **inverse** [ILL18]. **Inverter** [LRP+23, PRR+23]. **investigate** [MRZMT21]. **investigating** [UMEA19, UB20]. **ion** [FAM+18, RC18, RHWP22, SGD+22, VOS22]. **Ionic** [GAB+22]. **IOT** [SJB22, BSE20, BVVAD21, BVVA21, BVVAGMRP22, GC23, GBDS22, KKV20, LMB+23, PAMC17, PSL+20, WRSU23]. **IoT-based** [GC23]. **iris** [LKN21]. **iron** [KYA21, YA19]. **irradiation** [ARLS22]. **irrigation** [MN22, SGD19]. **isocratic** [MLBR+23]. **isolated** [Ulr19]. **isolation** [VS22]. **isothermal** [SGD+22]. **isotopic** [CED20]. **iThermowall** [ASIM21]. **IV** [VAG+22]. **IVRT** [SZZ22].

Jones [IBL+17]. **June** [Ano23b].

K2 [NSZ+23]. **keyboard** [MBP19]. **kg** [TCG+21]. **killing** [JBG+22]. **kinematic** [BG21]. **Kinesis** [GMB20]. **Kinetic** [PNM+23]. **Kit** [CGB+19, BS21, BSO+23, CVT+21, PDMV23]. **kitchen** [PÁBS23]. **Knot** [KOBT23].

Lab [PSL+20, SIY+23, CKMW21, JTD20, KCW21a, KCW21b, LLL22, RGSGD+23, THMZ22, AG23]. **lab-on-a-chip** [RGSGD+23]. **Lab-on-a-Disc** [SIY+23]. **Label** [BDPJGS23]. **Label-Free** [BDPJGS23]. **Laboratory** [PSL+20, AG23, BCN+21, CFD+20, DP17,

GML+20, HJvdG+22, LDN+22, PÁBS23, RAMM20, TBM20, vAvdGP+22]. **Laborem** [LLL22]. **labs** [Poó22]. **Lake** [LHZ+18]. **LAMSkyCam** [JSG+22]. **landslide** [CPR+21]. **lapse** [LDN+22, WRH+20]. **Large** [PHF18, SGD+22, DMG23, LHN+23, MD22, PPAP21, RNRP23, WS18a, vAvdGP+22]. **large-scale** [WS18a, vAvdGP+22]. **laser** [BPP+19, KST19, Kur21, MLG+20, RGSGD+23, SKS23, WDW21]. **laser-ablated** [RGSGD+23]. **laser-cut** [KST19, Kur21, WDW21]. **lasers** [KCW21b]. **lateral** [HS21]. **Layer** [GAB+22, BPM+18, RAMM20]. **layouts** [PK23]. **leaf** [FMD+22, MMP+19]. **leafcutter** [SRB+22]. **learning** [KFB+23, RPHS23, SAB+18]. **learning-powered** [RPHS23]. **led** [PLP23, HW22, MP20, MPB+23, RHR19, SHS+23, ZCB+20]. **LED-driven** [RHR19]. **Legacy** [PSL+20]. **Lensless** [BDPJGS23]. **less** [ZBOB22]. **level** [KwMMM23, SKS23]. **levels** [MKM+22]. **Li** [FAM+18, RHWP22]. **Li-ion** [FAM+18, RHWP22]. **lickometer** [RMB18]. **LiDAR** [BS22a]. **LiDAR-based** [BS22a]. **life** [GLD18]. **light** [ARLS22, BVBTMVP23, CKMW21, GAMK23, JBG+22, PZF23, RGM20, SHS+23]. **Lightweight** [PEJ+22, BCB+22]. **limb** [RHAB22]. **limited** [RHAB22, VCS+23]. **limnic** [RBB+22]. **linear** [AHUS19]. **liquid** [BEES22, GCM21, KLS22, MCLSN19, MLBR+23, MDC+19, SMS+23, WLML23, ZR20]. **lithium** [DBRE21, SGD+22]. **lithium-ion** [SGD+22]. **live** [CPB+22, MKL+21, NSZ+23, STE+20]. **live-cell** [NSZ+23]. **local** [GC23]. **lock** [HYdM21]. **lock-in** [HYdM21]. **locomotion** [WSB+20, vdBSRW22]. **locomotor** [SRB+22]. **lodging** [SMSR21, SGH+18]. **Logger** [MMP+19, CC18, CLCT19, CFD+20, PDDT23, RGM20]. **logic** [Rom21]. **long** [CWB+21, HG21, MKL+21, Rom21, SFWW22, YM23]. **long-term** [CWB+21, HG21, MKL+21, Rom21]. **loop** [BJL+20, CPVCRLS17, DMA+23, IPR22, KW23, REP19, SL22]. **LoRa** [KwMMM23, TLO+22]. **LoRaWAN** [GBDS22]. **Low** [AB23, AdT+20, BPW18, BBPP23, BPP+19, BGJGC23, BKM+21, BVMHP22c, BVORMH+22, BVBTMVP23, BGE+20, BPSO23, CBTGAG+18, CKMW21, CRLF+23, CHBMCV+23, DC23, DYL+18, DAS22, FRJ+22, FPC+19, GLD18, GML+20, HS21, HSS22, KwMMM23, KFH22, KLS22, KMG+21, LNP+23, LWS+22, MKM+22, MWG+22, MGJ+22, MPFC21, MHBVBVMA23, MTPK20, NRK+23, OhMA22, PPAP21, PPHP+23, RGSGD+23, RJN+23, SS23, SHS+23, SWPG19, SRC+22, hTFC+23, TLŠ+22, VDV23, WSB+20, AIB21, ARLS22, AHUS19, ACHB19, BSO+23, BHF+22, BBJ21, BV18, BSD+22, BS22a, BMD+20, BCB+22, BVVAD21, BVVA21, BVMHP22b, BVVAGMRP22, BG21, CJ20, CSB21, CLCT19, CKB+22, CPR+21, CPCQY23, DCY+22, DOV+21, DMS+22, DFS+22, ELL21, FLL23, GCKF22, GFTD20, GV20, GBDS22, GFM+19, HCS20, HG21, HPS+19, HKMdB22, ICBL22, IPR22, JZS+23, JSG+22, JCFK+23]. **low** [JBG+22, JKKK22, JC17, JHA+19, JTD20, KWP+21, KK23, KPY+18, KLF+20, KDH+19, KG22, KS21, KHRC21, LZV+20, LSSA20, LKL+21, LAW+22, Lup17, MLG+20, MBML21, MSWC21, MPB21, MCAR+21, MKVS21, MBC+20, MMR22, MMR+23, MBH+21, NGSU21, NND+22, OP18, PPF+22, PMA+23, PMCL20, Poó22, PDDT23, RKD+22, Ryu22a, SVMV20, SDDL20, SMB+21, SK23, SKG22, SKS23, SGD19, Sur21, TKHB21, VS22, WSI+22, WDW21, YXES21, ZTS22, ZSLF23, ZBOB22]. **low-anthropomorphic** [Lup17]. **Low-Cost** [AB23, KLS22, AdT+20, BPW18, BGJGC23, BKM+21, BVORMH+22, BVBTMVP23,

BPSO23, CBTGAG+18, CRLF+23, CHBMCV+23, DC23, DYL+18, FRJ+22, FPC+19, GLD18, GML+20, HS21, HSS22, KFH22, KMG+21, LNP+23, LWS+22, MKM+22, MGJ+22, MPFC21, MHBVBVMA23, MTPK20, NRK+23, OhMA22, PPAP21, PPHP+23, RGSGD+23, RJN+23, SS23, SHS+23, hTFC+23, TLŠ+22, VDV23, WSB+20, AIB21, ARLS22, AHUS19, ACHB19, BHF+22, BBJ21, BV18, BS22a, BMD+20, BCB+22, BVVAD21, BVVA21, BVMHP22b, BVVAGMRP22, BG21, CSB21, CLCT19, CKB+22, CPR+21, CPCQY23, DCY+22, DOV+21, DMS+22, DFS+22, FLL23, GCKF22, GFTD20, GV20, GBDS22, GFM+19, HCS20, HG21, HPS+19, HKMdB22, ICBL22, IPR22, JZS+23, JSG+22, JCFK+23, JKKK22, JHA+19, JTD20, KWP+21, KK23, KPY+18, KLF+20, KDH+19, KG22, LZV+20, LKL+21, LAW+22, MLG+20, MBML21]. **low-cost** [MSWC21, MPB21, MCAR+21, MKVS21, MBC+20, MMR22, MBH+21, NGSU21, NND+22, OP18, PMA+23, PMCL20, Poó22, PDDT23, RKD+22, Ryu22a, SVMV20, SDDL20, SK23, SKG22, SKS23, SGD19, Sur21, TKHB21, VS22, WDW21, YXES21, ZTS22, ZSLF23, ZBOB22]. **low-light** [CKMW21]. **low-power** [PPHP+23]. **low-resource** [BSO+23]. **Low-speed** [BBPP23]. **low-weight** [SMB+21]. **lower** [FZZ+23, RHAB22]. **LUCIA** [BFV+21]. **Luminance** [DMC22]. **luminescence** [MKVS21]. **LunAero** [HHKB20]. **Lvital** [DAS22]. **LWIR** [SMS+22]. **lysimeter** [MN22].

m [AHUS19]. **Maasi** [RWK22]. **MAC** [KK23]. **machine** [AAUP23, DFS+22, MLG+20, OhMAN23, WSI+22]. **made** [KA20, Poó23]. **MADV** [LBK22]. **MADV-DAQ** [LBK22]. **magnet** [PAMH18, SSM+22]. **magnetic** [BVMHBV23, BS22b, CHG+21, DOG21, KTK22, NSHA22, SGG23]. **makers** [PDMV23]. **Making** [VS22]. **MALDI** [FATM22]. **management** [Bie23, CHBMCV+23, KKwM22, NGSU21]. **manipulating** [PTKG21]. **manipulation** [GCM21]. **mannequin** [OKH22]. **manual** [CABA+21]. **manufacturing** [LKJ+23, POP+20, RNRP23]. **mapper** [NSHA22]. **mapping** [BVMHBV23, MD22, WSL+19]. **March** [Ano23c]. **marine** [GV20, NLYB23, PHL+20]. **Masi** [CABA+21]. **mask** [HP20, NHAH+21, OKH22, PTD+20]. **mask-based** [PTD+20]. **masks** [BFV+21]. **mass** [SMS+23]. **masses** [KOBT23]. **Mate** [PK23]. **material** [EZ22, PCCS23, SK21]. **materials** [Bow23, MBML21, NIKK21, PÁBS23, SK23, SHS+23, WOM+22]. **matrix** [JCBBFVC23]. **matter** [BSO+23]. **measure** [KS21, NKS22]. **Measurement** [BVMHBV23, BVMH21, BVORMH+22, IPR22, KDH+19, KKV20, LBK22, LPB18, MGJ+22, MZLG20, SK23, SG21, SRC+22, VSTB19]. **measurements** [EZ22, ICY21, LZV+20, MKM+23, PMA+23, PEJ+22, Rom21, REP19, RBB+22, SMB+21, WSL+19]. **Measuring** [Bow23, BH22, BVVAGMRP22, BVBTMVP23, GMB20, LSD22, NAN19, SWPG19]. **Mechanical** [MDR20, CABA+21, CSS+22, ILG23, MBML21, NAC+22]. **Mechanically** [MKH+20]. **mechanism** [DÖ23, SSM+22]. **mechanisms** [MBH+21]. **mechanized** [RJN+23]. **mechanochemical** [PÁBS23]. **mechanoluminescence** [EZ22]. **mechanotransduction** [SBT20]. **mediated** [PHLM22]. **medium** [JCBBFVC23]. **medium-scale** [JCBBFVC23]. **MEDUSA** [PPG+22]. **melt** [GLG+23, MECH21]. **melting** [BHF+22]. **membrane** [PTKG21]. **meniscal** [LPK+23]. **meshes** [OhMAN23]. **mesocosms** [HJvdG+22]. **metal** [KAB+20, WNKP22]. **metals** [MWG+22].

meter [HWR+19, PAMC17, PLP23, TCG+21]. **method** [BOB+19, DOV+21, GAB+22]. **Methods** [MDC+19]. **MHz** [Ulr19]. **Miau** [Car21]. **mice** [DHY18, KLF+20, WYT23]. **micro** [CKB+22, HJvdG+22]. **micro-** [HJvdG+22]. **micro-milling** [CKB+22]. **microalgae** [NGS20, NND+22]. **microarrays** [PK23]. **Microbalance** [MMR+23, Car21, HKMdB22]. **microbiological** [DBRE21]. **microbiology** [DBRE21]. **micrObs** [WRH+20]. **microcontroller** [BGE+20, CRLF+23, MGJ+22]. **microcontroller-based** [MGJ+22]. **microextraction** [MCLSN19]. **MicroEye** [CKB+22]. **microfibres** [GLG+23]. **Microfluidic** [VCS+23, BPM+18, CWB+21, GST+22, KCW21a, NRK+23, RGSGD+23, RJL+23, hTFC+23, TLŠ+22, WLML23, WS18a, ZTS22]. **microfluidics** [GHHR20, RKD+22, WS19, YLW+23]. **MicroFPGA** [DKH+23]. **microgrid** [ARV+22]. **microgrids** [NKM+21]. **Microinjection** [SNAO20]. **microinjector** [BMOTGHL23]. **micromanipulators** [HHSP18]. **micrometric** [DOV+21]. **MicroMI** [DBRE21]. **microorganisms** [JBG+22, LS20b]. **microparticle** [RGSGD+23]. **micropump** [BM18]. **microscope** [AKJT22, BDPJGS23, DKH+23, GFLMRV+23, GFM+19, MPASIM23, MKL+21, MPB+23, NRK+23, NSZ+23, PZF23, VDV23]. **Microscopy** [VKM+23, GAMK23, HF23, LAW+22, MSR+23, SE23, STE+20]. **microsecond** [TLŠ+22]. **microstructure** [RMB18]. **microsyringe** [CM18]. **microUSV** [GV20]. **Microwave** [MHBVBVMA23, WSL+19]. **miEye** [AKJT22]. **migration** [HHKB20]. **mill** [MRKP23]. **Millifluidic** [LOSM18]. **milling** [CKB+22]. **mini** [MN22, Poó22, BCB+22]. **Mini-DAQ** [BCB+22]. **mini-lysimeter** [MN22]. **miniature** [JSG+22, THL+20]. **miniaturized** [NMZMT20, RMOB+19, SIY+23]. **mirror** [RHAB22]. **mixer** [DP17]. **mixers** [PÁBS23]. **mixing** [BPSO23]. **mobile** [BVMHBV21, BVMHP22b, BG21, CNPP21, DBRE21, HSS22, NKM+21, NFBR23, OCS21, RSV+23, RBB+22, THMZ22]. **mobility** [RC18, VOS22]. **modal** [dOdF23]. **mode** [KMG+21, TLP+23]. **model** [CPB+22]. **models** [PHLM22]. **modem** [SGD19]. **Modification** [PÁBS23, KHRC21]. **Modified** [NHAH+21, DHY18, SZZ22]. **ModLight** [GAMK23]. **Modular** [AHUS19, BVMH21, GAMK23, LRP+23, CJ20, CAR+23, CKB+22, DMG23, EMMH20, PRR+23, PK23, Poó23, SS23, Sur21, TBBI21, WBD+21]. **Modulators** [BPP+19]. **Module** [PSL+20, PMCL20, SK23, dOdF23]. **moduli** [SK23]. **moisture** [TTA+21, vAvdGP+22]. **molecular** [Poó22]. **molecule** [NSZ+23, YLW+23]. **monitor** [CNPP21, CLCT19, PDDT23, RCM21]. **Monitoring** [AB23, ASME18, BBJ21, BSD+22, BGJGC23, CGB+19, CFV+19, CKB+22, CPR+21, DAS22, DKM23, FKM+21, FES+21, GFTD20, GBDS22, GCHP22, HPS+19, HPU21, JHA+19, KPKK19, LMC18, LHZ+18, MECH21, MMR+23, NAC+22, NND+22, OP18, POP+20, Ryu22a, Ryu22b, SSM+22, SGD19, Sur21, TLO+22, VAG+22, WCR22, ZBOB22]. **mooring** [ZBOB22]. **Mostly** [VBK+22]. **motion** [AHUS19, UB20]. **Motor** [LKN21, KA20]. **Motor-driven** [LKN21]. **motorized** [KK23, TCC+18]. **Motrol** [THMZ22]. **mount** [CPVCRLS17]. **mounted** [LPB18]. **Mouthguard** [LPB18]. **Mouthguard-based** [LPB18]. **Movement** [TBM20, GCCCBF22, RHAB22, SG21, SGH+18]. **movements** [GMB20]. **moving**

[KK23]. **Multi** [AFK+19, LBK22, POP+20, AZD19, BVVAD21, BPM+18, GMB20, HW22, JBG+22, JTD20, KFB+23, OCS21, REP19, SKC+20, YM23, dOdF23]. **multi-arm** [KFB+23]. **Multi-axis** [AFK+19, GMB20]. **multi-camera** [SKC+20]. **Multi-channel** [LBK22, JTD20, REP19]. **multi-copter** [YM23]. **multi-directional** [JBG+22]. **multi-layer** [BPM+18]. **multi-modal** [dOdF23]. **multi-robot** [AZD19]. **Multi-sensor** [POP+20, OCS21]. **multi-spectral** [BVVAD21]. **multi-well** [HW22]. **Multichannel** [BS22b]. **multifunction** [KPKK19]. **multilayered** [SWPG19]. **multilevel** [PRR+23]. **Multimodal** [MPASIM23, MPB+23]. **multiparameter** [PDDT23]. **multiple** [KDH+19]. **multiport** [MD20, MDD+21]. **Multipurpose** [RPHS23]. **multispectral** [BVMHP22b, PPG+22]. **MVs** [MDR20]. **MYSTAT** [ICY21].

N95 [BFV+21]. **nanofiber** [WSI+22]. **Nanofibrous** [OhMA22, OhMAN23]. **nanopositioner** [LWS+22]. **nanotextures** [LAW+22]. **nasopharyngeal** [GPO+20]. **natural** [DMC22]. **Naval** [CAR+23]. **Near** [MHBVBVMA23, RBB+22, TKHB21]. **Near-Infrared** [MHBVBVMA23, TKHB21]. **neonatal** [CRLF+23, JCFK+23, WSB+20]. **Nerita** [CLCT19]. **nerve** [SBT20]. **nerve-stretching** [SBT20]. **network** [CPR+21, KS21, TLO+22]. **networks** [GBDS22]. **neuro** [REP19]. **neuro-prosthesis** [REP19]. **neurophysiology** [CJ20]. **neuroscience** [BMOTGHL23, TBM20]. **neutron** [vAvdGP+22]. **NIR** [BVMH21]. **Nitrogen** [Bow23]. **nocturnal** [HHKB20]. **noise** [BVBTMVP23, CKMW21]. **non** [DAS22, MCAR+21, SMSR21]. **non-contact** [MCAR+21]. **non-destructive** [SMSR21]. **non-invasive** [DAS22]. **NORDACC** [CAR+23]. **NOSE** [BOB+19]. **Novel** [SZZ22, KAB+20, KNAR22, MBP19, SOB+23]. **nozzle** [DBP+21]. **nuclear** [DOG21]. **nucleation** [MYG+23]. **Nydus** [BOB+19].

O [PBD+22]. **Observation** [HCS20, vAvdGP+22]. **observations** [ZSLF23]. **observatory** [RBB+22]. **obstacle** [CFV+19]. **occlusion** [GCK+23]. **occurrence** [PDDT23]. **ocean** [CFV+19, OFP+23, PEJ+22]. **oceanic** [RBB+22]. **October** [Ano17c, Ano18b, Ano19b, Ano20b, Ano21c, Ano22b]. **OCTOPUS** [HOW23]. **odyssey** [BSS+20]. **off** [KKwM22, RBB+22]. **off-grid** [MRKP23, RBB+22]. **offset** [CKMW21]. **OhmPi** [CFD+20]. **OMIS** [LOSM18]. **omnidirectional** [ILL18, RSV+23]. **on-field** [Sur21]. **on-site** [PMA+23]. **One** [BOB+19, SIY+23, NGSU21, TCG+21, WS19]. **one-meter** [TCG+21]. **online** [BSE20, CKB+22]. **Open** [BVMHBV21, BEES22, BM18, BM19, BJL+20, CED20, CNBH22, CPB+22, CKMW21, DP17, FZZ+23, FDD17, FATM22, GC23, GPO+20, GCM21, GME+22, HF23, HOW23, JCBBFVC23, KWP22, KMB+22, KLS22, KCW21a, KCW21b, KPKK19, KTT+21, KYA21, KST19, Kur21, LOSM18, LAW+22, MDR20, MBKP23, MMR+23, NAN19, NSZ+23, OP18, OWHP23, PHLM22, PAMC17, PSL+20, POP+20, PHL+20, RSV+23, REP19, SMW+20, SIY+23, STP20, TS22, Ulr19, UMEA19, UB20, WMPP18, WRSU23, YA19, dCSMVFR23, AIB21, ASIM21, AdT+20, AZD19, AP22, AG23, ASME18, BS21, Ban23, BSE20, BFV+21, BCN+21, BS22a, Bie23, BHZ+22, BPM+18, CC18, CJ20, CGB+19, CFRF+23, CM18, Car20, CAV+22, CFD+20, CRLF+23, DB22, DKM23, DOG21, ELL21, EMMH20, FKM+21, dOFdJN+22, FK19, GHHR20, GFM+19, HS21, HSS22, HCS20, HWR+19].

open [HHSP18, HKMdB22, HP20, ILG23, IPR22, JZS+23, KK23, KOBT23, KAT18, KW23, LZV+20, LSSA20, LRSC19, LS20b, LLL22, LKL+21, LWS+22, LKJ+23, Lup17, MYG+23, MKM+22, MBML21, MLBR+23, MCAR+21, MBP+22, MSR+23, MRKP23, MBC+20, MBH+21, MTPK20, NFBR23, OGP22, OHF17, OCS21, OFP+23, PPAP21, PDMV23, PK20, PPF+22, PK23, Pea20, PTD+20, PPG+22, Poó22, Poó23, RMB18, RCM21, RC18, Ryu22a, SDDL20, SK23, SIR18, SKG22, SBTPV22, TCG+21, TSF21, TLO+22, VAG+22, VA21, WYT23, WSB+20, WBD+21, WCR22, ZTS22, ZCB+20, KK23, OFP+23]. **open-control** [KW23]. **Open-hardware** [GCM21, KWP22, KOBT23, MYG+23]. **open-loop** [IPR22]. **Open-MAC** [KK23]. **Open-Source** [KLS22, SIY+23, BEES22, CED20, CNBH22, CKMW21, FZZ+23, FDD17, HOW23, JCBBFVC23, KCW21a, KCW21b, KTT+21, KST19, Kur21, LAW+22, NAN19, NSZ+23, PHL+20, RSV+23, SMW+20, TS22, Ulr19, UMEA19, UB20, AZD19, AP22, AG23, Ban23, BSE20, BCN+21, BS22a, Bie23, BHZ+22, BPM+18, CC18, CJ20, CM18, Car20, CRLF+23, DKM23, DOG21, EMMH20, FKM+21, dOFdJN+22, GHHR20, HS21, HSS22, HKMdB22, ILG23, KK23, LZV+20, LKL+21, LWS+22, LKJ+23, Lup17, MKM+22, MLBR+23, MCAR+21, MBP+22, MSR+23, MRKP23, MBH+21, MTPK20, NFBR23, OCS21, OFP+23, PPAP21, PK20, PK23, PPG+22, Poó22, Poó23, RMB18, RC18, Ryu22a, SK23, SIR18, SKG22, TSF21, VAG+22, VA21, WYT23, WSB+20, WBD+21, WCR22, ZTS22]. **Open-Source-Powered** [PSL+20]. **Open_Irr** [Bie23]. **OpenASAP** [SMS+23]. **OpenBCI** [KSB22]. **OpenEM** [WSL+19]. **OpenFish** [vdBSRW22]. **OpenHumidistat** [VdB22]. **openPFGE** [LSSA20]. **OpenTCC** [SDDL20]. **OpenWorkstation** [EMMH20]. **operated** [CRLF+23, LNP+23]. **Operating** [CAR+23, SG21]. **operation** [BPM+18]. **operations** [JC17]. **operative** [CLCT19]. **optic** [FAM+18, BPP+19]. **optical** [BVORMH+22, CNBH22, CLSZ+17, HYdM21, TBBI21]. **optimization** [ILL18]. **Optimized** [NMZMT20, TSF21]. **opto** [KK23, RJL+23, VAG+22]. **opto-electronic** [VAG+22]. **opto-microfluidic** [RJL+23]. **opto-physiological** [KK23]. **optofluidic** [NRK+23]. **optogenetic** [WDW21]. **optogenetics** [ZCB+20]. **optomechanical** [WS18b]. **OptoPi** [CFRF+23]. **orbital** [NGS20]. **organic** [VOS22]. **Organism** [HOW23]. **organoids** [RMOB+19]. **orientated** [OhMAN23]. **orientation** [BVMHP22b, GCCCBF22]. **OSH** [MDR20]. **OSH-MVs** [MDR20]. **Osmar** [CM18]. **other** [GPO+20, SMB+21, STP20]. **Ötz** [DKM23]. **Ötz-T** [DKM23]. **outdoor** [BVVA21]. **Overcoming** [OGP22]. **Oxide** [Bow23]. **oximeter** [SJB22]. **oxygen** [MKM+22, MKVS21, NND+22, RRS+23]. **oxygenator** [AAUP23].

P300 [MP20]. **package** [LB17]. **packaging** [KOBT23]. **PACKMAN** [MRZMT21]. **Pages** [Ano17d, Ano17c, Ano18c]. **pain** [DHY18]. **paintings** [ILG23]. **pandemic** [BSE20]. **pandemics** [OGP22]. **paper** [MD22, VCS+23]. **paper-based** [VCS+23]. **PARA** [TCG+21]. **parallel** [DCY+22, KWP+21]. **Parametric** [GPO+20]. **PARS** [KG22]. **part** [LSD22, SKS23]. **Partially** [PTD+20]. **participation** [CGB+19]. **particle** [PNM+23, RNRP23]. **particulate** [BSO+23, HP20]. **parts** [HSS22, SK23]. **passive** [ZBOB22]. **PassStat** [CAV+22]. **patches** [SZZ22]. **patients** [CABA+21, MNMN+20]. **PAWS** [NLYB23]. **payload** [TCG+21]. **pedestrian** [MHBVBVMA23]. **peen** [SKG22]. **pellets** [MWG+22]. **pendulum**

[KFB+23, MTPK20]. **people** [RHAB22]. **performance** [ARV+22, BEES22, JC17, TSF21]. **performing** [MPB21]. **perfusion** [CWB+21, JCBBFVC23, PK21]. **peripheral** [BCN+21, SBT20]. **peristaltic** [CVT+21, JTD20, MSWC21]. **permanent** [PAMH18, SSM+22]. **permittivity** [PMA+23]. **personal** [GCKF22, NHAH+21, VA21]. **personalized** [Pri19]. **Peta** [SIR18]. **Peta-pico-Voltron** [SIR18]. **pH** [MPB21, NND+22, OFP+23]. **phase** [MGJ+22]. **phases** [KAB+20]. **phenotyping** [HWR+19, LMB+23, SGH+18, TCC+18]. **Phone** [Poó23, HSS22]. **phones** [Poó23]. **photoacoustic** [KFH22]. **photocatalytic** [MKM+23, SHS+23]. **photochemistry** [DYL+18]. **photodiode** [MKVS21]. **photogrammetry** [Poó23, YXES21]. **photogrammetry-based** [YXES21]. **photometric** [RJL+23]. **photon** [ZCB+20]. **photonically** [SHS+23]. **photopolymers** [DS21]. **photoreactor** [MKM+23]. **photovoltaic** [BVMHP22c, CBT+22, MRKP23]. **physical** [ZSLF23]. **physical-ecological** [ZSLF23]. **Physiologic** [HPC21, HPLC21, MKM+22]. **Physiologic-range** [HPC21, HPLC21]. **physiological** [KK23, RGM20]. **Pi** [KPY+18, SKC+20, AG23, BJL+20, CBT+22, KKwM22, LDN+22, SK23, WCR22]. **pickup** [CNBH22]. **PICO** [Kod18, SIR18]. **piezoelectric** [KPY+18]. **PiFlow** [KPY+18]. **pin** [LHN+23]. **pinch** [SMSR21]. **pipe** [DMG23]. **PiRamid** [LDN+22]. **pitfall** [McM17]. **pixelated** [SE23]. **planar** [PCCS23, SHS+23]. **plant** [FMD+22, LMB+23, MZW+21, TTA+21]. **PlasPI** [PHL+20, ZSLF23]. **plastic** [GC23, KHRC21, RNRP23, WMPP18]. **plate** [PK21]. **plate-scale** [PK21]. **PlateFlo** [PK21]. **plates** [HW22, KST19, Kur21]. **Platform** [LRP+23, AFK+19, BGJGC23, CFRF+23, DKH+23, GFTD20, GV20, JC17, JHA+19, KCW21a, KSB22, LLL22, MCLSN19, MECH21, MP20, RC18, RHAB22, Ryu22b, SIY+23, SBTPV22, UB20, WLML23, ZSLF23]. **platforms** [BSS+20, OCS21]. **play** [DYL+18, SVMV20, WLML23]. **playback** [CHBMCV+23]. **playhouse** [WDW21]. **plug** [DYL+18, Kur21, SVMV20, WLML23]. **plug-and-play** [SVMV20, WLML23]. **plug-in** [Kur21]. **plug'n'play** [CPVCRLS17]. **pluripotent** [RMOB+19]. **PLUSPULS** [SGG23]. **PMMA** [RGSGD+23]. **pneumatic** [BPM+18]. **point** [WNKP22]. **Poisson** [SK23]. **polar** [SMB+21]. **polarimetry** [MPASIM23]. **polarity** [DC23]. **pollution** [BVBTMVP23]. **polymer** [BEES22, DOV+21, MLG+20, MWG+22, PWC23]. **polymer-ceramic** [PWC23]. **polymeric** [PWC23]. **polyurethane** [WCR22]. **pore** [BBJ21]. **Portable** [BVVA21, Car20, LZV+20, POT+22, CFV+19, DBRE21, FLL23, GST+22, HSH+22, KG22, MRZMT21, MMR22, RBRK23, SJB22, Sur21, WNKP22, ZTS22]. **PortaLyzer** [PJS22]. **position** [GCCCBF22]. **positioned** [LKL+21]. **positioners** [HHSP18]. **positioning** [CJ20]. **potential** [Bie23]. **potentiostat** [CAV+22, DVD17, INS+23, ICY21]. **potentiostat/galvanostat** [DVD17, ICY21]. **Power** [YM23, BSD+22, CPLM23, DC23, DBRE21, HSH+22, JC17, KKwM22, MGJ+22, NGSU21, OP18, PPHP+23, SIR18]. **power-efficient** [HSH+22]. **PowEred** [NMZMT20, PSL+20, HP20, MRKP23, RPHS23, RBB+22, SIY+23, VA21]. **Powering** [KKwM22]. **PPE** [STP20]. **pre** [ILG23]. **pre-tensioning** [ILG23]. **precipitator** [KWP22]. **precise** [CAV+22, GML+20, Rom21]. **precision** [CHG+21, GHHR20, GFM+19, LWS+22,

NKS22, RAMM20, VS22]. **pregnant** [DAS22]. **preparation** [YLW+23]. **preparative** [DCY+22, MLBR+23]. **Presence** [HOW23]. **presentation** [DMC22]. **press** [BBPP23]. **Pressure** [YLW+23, BBJ21, GHHR20, GML+20, GCHP22, GCK+23, HPC21, PHLM22, PWC23, SRC+22, SK21, NMZMT20]. **Pressure-controlled** [YLW+23]. **pressurized** [PTKG21]. **prevention** [RPHS23, TLO+22]. **previously** [Ano21b]. **print** [ASIM21]. **printable** [BHF+22, HHSP18, TBBI21, WS18b, WMPP18, WBD+21]. **printed** [AHUS19, BVMHP22a, BM18, CVT+21, CKB+22, DKM23, DOG21, GCM21, HS21, HSS22, JKKK22, JTD20, KLS22, MSWC21, OKH22, PTKG21, RJL+23, RWK22, SMS+23, SK23, SSL+20, STE+20, SKK+23, TPLT22, VBK+22, VCS+23]. **printer** [BS21, BOB+19, BEES22, DÖ23, HW22, KHRC21, MKL+21, PDR+22]. **printer-based** [HW22, MKL+21, PDR+22]. **printers** [PWC23, PHF18, SFWW22]. **printing** [BEES22, DS21, DBP+21, GPO+20, KTK22, KTT+21, MWG+22, PWC23, STP20, SFWW22, TLP+23, WMPP18]. **pro** [PLP23]. **Probe** [VKM+23, HHSP18, PLP23, SMS+23, SE23]. **probes** [SKK+23]. **process** [LSD22, MECH21]. **processes** [WNKP22]. **processor** [BM19]. **produce** [DOV+21, WSI+22]. **producing** [PWC23]. **production** [GLG+23, HS21, RJN+23]. **Professor** [TCC+18]. **profiler** [PEJ+22, SMB+21]. **profiling** [THMZ22]. **program** [RMB18]. **programable** [TLŠ+22]. **Programmable** [BV18, EZ22, AHUS19, BS21, BRC+20, BPM+18, CLSZ+17, DFS+22, GLD18, KPY+18, KMG+21, NLYB23]. **progress** [Ano23a]. **Prokaryote** [WDW21]. **PROPER** [NMZMT20]. **properties** [CSS+22, MBML21]. **prosthesis** [CPCQY23, REP19]. **protection** [WYT23]. **protective** [NHAH+21, OKH22, VA21]. **protein** [BHF+22, DCY+22]. **proteomics** [FATM22]. **protocols** [SGG23]. **prototype** [GCKF22, GCCCBF22, GLPM19, GAB+22, LLO22, MGJ+22, MMR+23]. **prototypes** [AAUP23]. **Prototyping** [ARLS22, Ryu22a, CPLM23]. **Providing** [RRS+23]. **Prusa** [BOB+19]. **psychological** [RGM20]. **published** [Ano21b]. **pull** [ICBL22]. **pulse** [BS22b, SJB22, SGG23]. **pulsed** [LSSA20]. **pulsed-field** [LSSA20]. **pulses** [TLŠ+22]. **pump** [BS21, CVT+21, DS21, DÖ23, GHHR20, GLD18, ICBL22, JTD20, KMG+21, MSWC21, PPF+22, PPHP+23, PHF18, SMW+20, GHHR20, JTD20, dCSMVFR23]. **pumping** [KPY+18, MD20, MDD20]. **pumps** [GCM21, KPY+18]. **purifier** [DCY+22, JBG+22]. **purifying** [HP20]. **purity** [CSH18, MKM+23]. **purpose** [GLPM19]. **push** [ICBL22]. **Pushing** [PWC23]. **PVA** [WSI+22]. **Python** [AG23]. **PytuTester** [MBP+22].

quadruped [FZZ+23]. **quality** [ARLS22, BSO+23, BGJGC23, FKM+21, JHA+19, MTPK20, Ryu22a, Ryu22b, Sur21]. **Quantitative** [NHAH+21, MPB+23]. **Quartz** [MMR+23, HKMdB22]. **quench** [BPSO23].

rack [SS23]. **radar** [JKKK22]. **radially** [KDH+19]. **radiation** [BFV+21, BVMH21, BVMHP22a]. **radiative** [SWPG19]. **radio** [CC18, Kod18]. **radio-telemetry** [CC18]. **randomly** [JZS+23]. **range** [CNBH22, HPC21, HPLC21, Ulr19]. **rapid** [CPLM23, GCK+23, HWR+19, THL+20]. **rapidly** [SSM+22]. **rapidly-deployable** [SSM+22]. **Raspberry** [AG23, CBT+22, KPY+18, KKwM22,

LDN+22, SKC+20, SK23, WCR22]. **RaspberryPi** [MBP+22]. **RaspyControl** [AG23]. **rate** [SRC+22, SJB22]. **ratio** [SK23]. **rationing** [JSS+18]. **rats** [FK19]. **ray** [CSH18, KAB+20]. **reach** [TCG+21]. **Reaction** [GAB+22]. **reactions** [CBTGAG+18, HPU21, WCR22]. **reactor** [DYL+18]. **Real** [AB23, AG23, BVVAGMRP22, BG21, CPB+22, MECH21, RBB+22, Ryu22a, Ryu22b]. **Real-Time** [AB23, AG23, BVVAGMRP22, BG21, CPB+22, MECH21, Ryu22a, Ryu22b]. **reality** [RHAB22]. **realized** [TBBI21]. **receiver** [GCKF22]. **receptacle** [PTKG21]. **Reconfigurable** [OWHP23]. **reconstruction** [MSR+23]. **Recorder** [GMB20, SKC+20]. **recording** [HHKB20]. **recordings** [AdT+20, KK23]. **Recyclebot** [WMPP18]. **recycled** [RNRP23]. **recycling** [GC23]. **red** [SKS23]. **reduction** [MKM+23]. **reference** [OCS21]. **ReFiBot** [PDMV23]. **regarding** [Ano21b]. **regime** [BBJ21]. **regions** [SMB+21]. **regulating** [MKM+22]. **regulatory** [KMB+22]. **rehabilitation** [KG22, RHAB22, TLP+23]. **related** [GBDS22]. **relative** [LS20a, RAMM20]. **release** [CPB+22, SZZ22]. **Reliable** [DMA+23, LZV+20, MKM+23]. **Remote** [HPU21, AG23, ASME18, LLL22, LB17, LBK22, RBB+22, TS22]. **remotely** [DMA+23]. **renewable** [YA19]. **repeated** [PEJ+22]. **replicable** [BHZ+22, VSTB19]. **RepRap** [STP20]. **RepRapable** [PTD+20, WMPP18]. **reproducible** [MKM+23]. **requirements** [KMB+22]. **research** [BVMHBV21, BMOTGHL23, BG21, CPLM23, CAR+23, CHBMCV+23, dOFdJN+22, FES+21, GV20, HKMdB22, KDH+19, KOBT23, LHN+23, MYG+23, MBC+20, RSV+23, REP19, SRC+22]. **residential** [ARLS22]. **resistance** [LS20b, SWPG19, SMSR21]. **resistant** [MPFC21]. **resistivity** [CFD+20]. **resolution** [AKJT22, BCB+22]. **resonance** [DOG21, KTK22]. **resonator** [KTK22]. **Resource** [AB23, BSO+23, DAS22, VCS+23]. **resource-limited** [VCS+23]. **RespiCo** [KNAR22]. **Respirator** [NMZMT20, HP20, VA21]. **Respiratory** [GCHP22, GCK+23, GPO+20, HPC21, HPLC21, KNAR22]. **Response** [SAB+18, HP20, KS21, NKS22, RPHS23, VA21]. **results** [NHAH+21, vAvdGP+22]. **resuscitator** [CABA+21]. **retains** [PDR+22]. **retention** [VSTB19]. **retraction** [TSF21]. **review** [Pea20]. **REVOLVER** [DCY+22]. **RF** [WSL+19]. **RFID** [CNPP21, JSS+18]. **RFIDuino** [CNPP21]. **rig** [ACHB19, SHS+23, SMW+20]. **ring** [BCN+21]. **ring-down** [BCN+21]. **rings** [FLL23]. **river** [KwMMM23]. **RNA** [BHF+22]. **road** [LMC18]. **Robonerite** [CLCT19]. **robot** [AZD19, AOAPH19, BSE20, BVMHBV21, FZZ+23, KLS22, Lup17, NFBR23, PK20, RSV+23, UB20, VBK+22, WSL+19]. **robotic** [CPCQY23, FSM+21, PDMV23, TCG+21, TTA+21, dOdF23, vdBSRW22]. **Robotically** [LKL+21]. **robotics** [BSE20, GV20]. **ROBOTONT** [RSV+23]. **Robust** [BDPJGS23, SOB+23, NLYB23]. **rodents** [JCFK+23, KK23, KAT18]. **roller** [MBKP23]. **ROMR**} [NFBR23]. **room** [BV18, SG21]. **rope** [ZBOB22]. **rope-less** [ZBOB22]. **ROS** [NFBR23, RSV+23]. **ROS-based** [NFBR23]. **ROS-supported** [RSV+23]. **Rotating** [ZR20]. **Rotating-liquid-based** [ZR20]. **rotator** [DP17]. **RotoMate** [DOG21]. **RT** [ARV+22]. **rupture** [CSS+22].

SALAD [LNP+23]. **Sample** [MCLSN19, DP17, HG21, PAMH18, YLW+23]. **sampler** [MDD+21]. **Samplers** [NLYB23, FES+21]. **samples** [CSS+22, THL+20]. **sampling** [BCN+21, BKM+21, ELL21, GPO+20,

MSWC21, McM17, MD20, MBH+21, NLYB23, Ryu22b, VOS22, VKM+23]. **Sandwich** [LS20b]. **sap** [BSD+22]. **SASe** [FES+21]. **savings** [Pea20]. **Scaffold** [OhMA22]. **scalable** [BEES22, BKM+21, LLL22]. **scale** [CFD+20, DMG23, HS21, JCBBFVC23, LOSM18, LDN+22, PK21, RNRP23, SGD+22, SWPG19, WS18a, vAvdGP+22]. **scan** [RHR19]. **Scan4CFU** [PPAP21]. **scanner** [YXES21]. **Scanning** [LMB+23, VKM+23, BHF+22, GFM+19, SE23, VDV23]. **scattering** [PZF23]. **scenarios** [HJvdG+22]. **scenes** [DMC22]. **scheduling** [NGSU21]. **scheme** [FZZ+23]. **school** [PAMC17]. **science** [FKM+21, GLD18, PDMV23]. **scientific** [CGB+19, MBKP23, Pea20]. **screen** [TTA+21]. **screening** [ASIM21]. **screw** [BBPP23]. **sea** [KOBT23]. **seascapes** [CLCT19]. **seawater** [MPB21]. **sediment** [DKM23]. **seedball** [RJN+23]. **selective** [MLG+20]. **self** [HP20, LS20a]. **self-contained** [HP20, LS20a]. **semi** [VOS22]. **semi-automated** [VOS22]. **sense** [CPCQY23]. **sensing** [BSO+23, BGJGC23, BGE+20, CNBH22, JC17, KFH22, KDH+19, KPKK19, POT+22, TS22, dOdF23]. **sensitive** [HYdM21]. **Sensor** [SVMV20, AFK+19, AHUS19, BSO+23, BSS+20, CPR+21, DKM23, DMS+22, FRJ+22, GML+20, HPC21, KCW21a, KS21, LKL+21, MD22, NGSU21, OCS21, PMA+23, POP+20, SG21, SE23, SSM+22, TLP+23, Ulr19, ZTS22]. **Sensors** [MD22, BVMHP22a, FAM+18, LLO22, MHBVBVMA23, Sur21]. **Sensors-on-paper** [MD22]. **separation** [KAB+20, RGSGD+23]. **September** [Ano23d]. **sequential** [DB22]. **series** [PHL+20]. **service** [BG21, PBD+22]. **set** [BS21]. **settings** [BSO+23, DAS22, VCS+23]. **Setup** [SKK+23, BPM+18, DMG23, NIKK21, SKS23, UMEA19, VSTB19]. **shaker** [DP17, NGS20]. **shallow** [Car20]. **share** [Pea21]. **shear** [SK23]. **sheet** [WNKP22]. **shield** [DKM23]. **shields** [BVMHP22a, CSH18]. **shift** [MGJ+22]. **shot** [SKG22]. **Shybo** [Lup17]. **Sidekick** [KLS22]. **Sieverts** [CBTGAG+18]. **Sieverts-type** [CBTGAG+18]. **sign** [JKKK22]. **signals** [CPCQY23]. **signs** [DAS22]. **SiLA2** [PSL+20]. **silent** [ZBOB22]. **simple** [BGE+20, CAV+22, SOB+23, SKS23]. **simplified** [KSB22, RHR19]. **simplify** [MDC+19]. **simulations** [HJvdG+22]. **simulator** [SL22]. **simultaneous** [KTT+21, MSR+23, NSZ+23]. **simultaneously** [AdT+20]. **single** [BPM+18, NSZ+23, WNKP22, YLW+23]. **single-** [BPM+18]. **single-molecule** [NSZ+23, YLW+23]. **Singlet** [MKVS21]. **sintering** [MLG+20]. **site** [PMA+23]. **SitkaNet** [CPR+21]. **situ** [FAR22, DB22, FAM+18, KAB+20]. **six** [KWP+21]. **sized** [SHS+23]. **sizing** [KOBT23]. **skin** [LAW+22]. **skull** [LHN+23]. **sky** [JSG+22]. **SLA** [GPO+20, JTD20]. **SLA-3D-printed** [JTD20]. **slide** [PDR+22]. **small** [CFRF+23, CFD+20, CSS+22, HS21, JHA+19, LOSM18, LDN+22, MSWC21, SNAO20, THL+20]. **small-scale** [HS21, LDN+22]. **Smart** [PLP23, BVMHP22c, BSS+20, HHKB20, JC17, MLBR+23, PAMC17, CGB+19]. **smartphone** [INS+23, WBD+21]. **smARTS_Museum_V1** [ASME18]. **smaTo** [BSS+20]. **smAvo** [BSS+20]. **smear** [BDPJGS23]. **SnapFib** [GAB+22]. **snorkel** [NHAH+21]. **soft** [DBP+21, PCCS23, SK23, SSL+20, vdBSRW22]. **software** [PHLM22, PK21, THMZ22]. **software-controllable** [PK21]. **soil** [Bie23, PMA+23, TTA+21, vAvdGP+22]. **solid** [MKM+23, SMS+23]. **solidification** [KAB+20]. **solids** [CED20, SMS+23]. **solution** [NGSU21, PMA+23, PBD+22]. **Sonification** [WRSU23]. **sorting** [McM17].

sound [ILL18]. **Source** [GME+22, KLS22, LRP+23, MDR20, PSL+20, SIY+23, dCSMVFR23, AIB21, ASIM21, AZD19, AP22, AG23, Ban23, BSE20, BFV+21, BCN+21, BS22a, BVMHBV21, Bie23, BEES22, BM18, BM19, BHZ+22, BJL+20, BPM+18, CC18, CJ20, CFRF+23, CM18, CED20, Car20, CAV+22, CNBH22, CPB+22, CFD+20, CKMW21, CRLF+23, DB22, DP17, DKM23, DOG21, ELL21, EMMH20, FZZ+23, FKM+21, FDD17, FATM22, dOFdJN+22, FK19, GC23, GPO+20, GHHR20, GFM+19, HS21, HSS22, HCS20, HWR+19, HHSP18, HKMdB22, HP20, HOW23, ILL18, ILG23, JZS+23, JCBBFVC23, KK23, KCW21a, KCW21b, KPKK19, KTT+21, KYA21, KAT18, KST19, Kur21, LZV+20, LSSA20, LRSC19, LS20b, LLL22, LKL+21, LWS+22, LAW+22, LKJ+23, Lup17, MKM+22, MBML21, MLBR+23, MCAR+21, MBP+22, MSR+23, MRKP23, MBKP23, MBC+20, MMR+23, MBH+21, MTPK20, NAN19]. **source** [NSZ+23, NFBR23, OP18, OGP22, OWHP23, OHF17, OCS21, OFP+23, PRR+23, PPAP21, PK20, PHLM22, PPF+22, PK23, Pea20, PTD+20, PPG+22, PAMC17, Poó22, Poó23, POP+20, PHL+20, RSV+23, RMB18, RCM21, RC18, Ryu22a, SDDL20, SK23, SIR18, SMW+20, SKG22, STP20, TCG+21, TSF21, TLO+22, TS22, Ulr19, UMEA19, UB20, VAG+22, VA21, WYT23, WSB+20, WBD+21, WMPP18, WCR22, YA19, ZTS22, ZCB+20]. **sources** [GAMK23, SHS+23]. **Southern** [BSS+20]. **space** [GCKF22, MRZMT21, PAMH18]. **spectral** [BVVAD21, DMS+22]. **spectrometers** [DOG21]. **spectrometry** [RC18, SMS+23, VOS22]. **spectrophotometer** [FKM+21, LZV+20, WBD+21]. **spectroscopy** [BCN+21, CSH18, TKHB21]. **spectrum** [SAB+18, ZCB+20]. **speed** [BBPP23, GCCCBF22, LS20a, LAW+22, WSB+20, vdBSRW22]. **spin** [RWK22, SOB+23, RMOB+19]. **Spinning** [MKH+20, GLG+23, RMOB+19]. **split** [GCK+23]. **SpO2** [SJB22]. **SPOT** [LMB+23]. **spotter** [FATM22]. **spp** [CLCT19]. **spun** [DOV+21]. **SSVEP** [MP20]. **SSVEP-P300** [MP20]. **stability** [ARV+22]. **stabilization** [PZF23, SKS23]. **stage** [CKMW21, MYG+23, SSM+22]. **stalk** [HWR+19, SMSR21]. **Stalker** [HWR+19]. **stand** [BS22a, KNAR22, PMA+23]. **stand-alone** [KNAR22, PMA+23]. **standalone** [TLO+22]. **Standardized** [SSL+20, KOBT23]. **standards** [KMB+22]. **state** [MDR20]. **Static** [GLPM19]. **Station** [WRSU23, BVMHP22c, BVBTMVP23, CNPP21, GCKF22, CGB+19, NAN19]. **stations** [HHSP18]. **stem** [RMOB+19]. **step** [BRC+20]. **sterilizable** [STP20]. **stimulating** [AOAPH19]. **stimulation** [MPFC21, RHAB22, ZCB+20]. **stimulations** [REP19]. **stimulator** [CLSZ+17, SGG23]. **stimuli** [MP20]. **stopped** [BPSO23]. **stopped-flow** [BPSO23]. **storage** [FAR22, NGSU21, YA19]. **strain** [LBK22, NKS22, WNKP22]. **strand** [KOBT23]. **straws** [TPLT22]. **strength** [HWR+19]. **stress** [AFK+19, SK21]. **stress-controlled** [SK21]. **stretchable** [WOM+22]. **stretcher** [KWP+21, STE+20]. **stretching** [SBT20]. **strips** [HS21]. **stroboscopic** [TLŠ+22]. **strong** [JBG+22, SMB+21]. **studies** [CC18, CSB21, CPB+22, ILG23, PHL+20, WRH+20]. **study** [CC18, CBTGAG+18, CPR+21, KAB+20, REP19]. **studying** [ARV+22, RGM20, WSB+20]. **sub** [DOV+21, TLŠ+22]. **sub-micrometric** [DOV+21]. **sub-microsecond** [TLŠ+22]. **subjects** [SNAO20]. **submersible** [MDD+21, NLYB23]. **subsonic** [IPR22]. **Subsurface** [FES+21]. **Successive** [GAB+22]. **such** [NMZMT20]. **suitable**

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three [HPLC21, LHN+23, TCG+21]. **three-DoF** [TCG+21]. **three-pin** [LHN+23]. **three/two** [HPLC21]. **three/two-way** [HPLC21]. **throughput** [DHY18, LMB+23, MZLG20, TLŠ+22]. **timber** [BS22a]. **Time** [AB23, PMA+23, AG23, BRC+20, BVVAGMRP22, BG21, CPB+22, LDN+22, McM17, MECH21, NLYB23, PHL+20, RBB+22, Ryu22a, Ryu22b, WRH+20]. **Time-domain** [PMA+23]. **time-integrated** [NLYB23]. **time-lapse** [LDN+22, WRH+20]. **time-sorting** [McM17]. **timed** [PHLM22]. **times** [PPAP21]. **timing** [DMC22]. **tinyML** [BVBTMVP23]. **TIRF** [NSZ+23]. **tissue** [LPK+23, MKL+21, PCCS23, PK23, RBRK23, SSL+20]. **TMA** [PK23]. **TMA-Mate** [PK23]. **Tomography** [BHZ+22]. **tool** [CKB+22, PJS22, Sur21]. **toolkit** [PK23]. **tools** [GFM+19]. **top** [AKJT22, KDH+19]. **topical** [SZZ22]. **TOSSIT** [ZBOB22]. **touchscreen** [GLD18, RWK22]. **tourniquet** [LKJ+23]. **tracer** [CBT+22]. **Track** [BGJGC23, SGH+18]. **tracking** [MTPK20, PPAP21]. **traffic** [LMC18]. **transcranial** [SGG23]. **transfer** [MGJ+22, SWPG19]. **transformed** [BS21]. **transimpedance** [CKMW21]. **transmission** [PMA+23]. **transmitted** [NMZMT20]. **transpiration** [BSD+22]. **transportable** [HJvdG+22]. **Trap** [HOW23, McM17, hTFC+23]. **treadmill** [WSB+20]. **treatment** [MCLSN19]. **tree** [BSD+22, KS21]. **TreeMMoSys** [KS21, NKS22]. **trees** [NKS22]. **triad** [DMS+22]. **Triple** [WM19, NSZ+23]. **triple-color** [NSZ+23]. **tripods** [HSS22]. **tropical** [CLCT19]. **truncation** [MBP19]. **tunnel** [IPR22, SKK+23]. **turbidity** [DKM23, KDH+19]. **turbine** [HSH+22]. **turbine-based** [HSH+22]. **turtles** [CC18]. **twelve** [FZZ+23]. **two** [CKMW21, FK19, MMR22, TCG+21]. **two-bottle** [FK19]. **two-dimensional** [MMR22]. **two-kg** [TCG+21]. **two-stage** [CKMW21]. **two-way** [HPLC21]. **type** [CBTGAG+18].

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[CSB21] R. T. Campbell, V. Suresh, and K. S. Burrowes. ECAM: a low-cost vaping device for generating and collecting electronic cigarette condensate for *in vitro* studies. *HardwareX*, 10:??, October 2021. CODEN ???? ISSN 2468-0672. URL http://www.sciencedirect.com/science/article/pii/S2468067221000547.

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[CSS+22] Andrea Corti, Tariq Shameen, Shivang Sharma, Annalisa De Paolis, and Luis Cardoso. Biaxial testing system for characterization of mechanical and rupture properties of small samples. *HardwareX*, 12:??, October 2022. CODEN ???? ISSN 2468-0672. URL http://www.sciencedirect.com/science/article/pii/S2468067222000785.

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[CVT+21] Terry Ching, Jyothsna Vasudevan, Hsih Yin Tan, Chwee Teck Lim, Javier Fernandez, Yi-Chin Toh, and Michinao Hashimoto. Highly-customizable 3D-printed peristaltic pump kit. *HardwareX*, 10:??, October 2021. CODEN ???? ISSN 2468-0672. URL http://www.sciencedirect.com/science/article/pii/S2468067221000316.

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[DBP+21] Andi Dine, Edward Bentley, Loic A. PoulmarcK, Daniele Dini, Antonio E. Forte, and Zhengchu Tan. A dual nozzle 3D printing system for super soft composite hydrogels. *HardwareX*, 9:??, April 2021. CODEN ???? ISSN 2468-0672. URL `http://www.sciencedirect.com/science/article/pii/S2468067221000055`.

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[DBRE21] Tai The Diep, Samuel Bizley, Partha Pratim Ray, and Alexander Daniel Edwards. MicroMI: a portable microbiological mobile incubator that uses inexpensive lithium power banks for field microbiology. *HardwareX*, 10:??, October 2021. CODEN ???? ISSN 2468-0672. URL `http://www.sciencedirect.com/science/article/pii/S2468067221000729`.

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[DCY+22] Patrick Diep, Jose L. Cadavid, Alexander F. Yakunin, Alison P. McGuigan, and Radhakrishnan Mahadevan. REVOLVER: a low-cost automated protein purifier based on parallel preparative gravity column workflows. *HardwareX*, 11:??, April 2022. CODEN ???? ISSN 2468-0672. URL http://www.sciencedirect.com/science/article/pii/S2468067222000360.

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[DFS+22] Christy Dunlap, Skylar Featherstone, Matthew Smith, Man Vu, Amanda Williams, Jason Bailey, and Han Hu. Design and fabrication of a low-cost and programmable dip coating machine. *HardwareX*, 12:??, October 2022. CODEN ???? ISSN 2468-0672. URL http://www.sciencedirect.com/science/article/pii/S2468067222001092.

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[DHY18] Brendan Drackley, Matt Holtz, and Jay Yang. An inexpensive modified weight-bearing device assembled in-house for high throughput unbiased behavioral pain assessment in mice. *HardwareX*, 4:??, October 2018. CODEN ???? ISSN 2468-0672. URL http://www.sciencedirect.com/science/article/pii/S2468067218300063.

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[DKM23] Jessica Droujko, Felix Kunz, Jr., and Peter Molnar. Ötz-T: 3D-printed open-source turbidity sensor with Arduino shield for suspended sediment monitoring. *HardwareX*, 13:??, March 2023. CODEN ???? ISSN 2468-0672. URL http://www.sciencedirect.com/science/article/pii/S2468067223000020.

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[DMA+23] Clément Dezord, Gilles Micolau, Chahine Abbas, Arnaud Mesgouez, and Elisabeth Pozzo Di Borgo. Reliable, versatile and remotely controlled instrumentation of an hecto-

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[DMC22] Andrea De Cesarei, Michele Marzocchi, and Maurizio Codispoti. Luminance and timing control during visual presentation of natural scenes. *HardwareX*, 12:??, October 2022. CODEN ???? ISSN 2468-0672. URL `http://www.sciencedirect.com/science/article/pii/S2468067222001213`.

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[DMG23] Morgan Demenois, Hong Yan Miao, and Frédérick P. Gosselin. Easy to build, modular and large scale pipe conveying fluid experimental setup. *HardwareX*, 15:??, September 2023. CODEN ???? ISSN 2468-0672. URL `http://www.sciencedirect.com/science/article/pii/S2468067223000676`.

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[dOdF23] Thiago Eustaquio Alves de Oliveira and Vinicius Prado da Fonseca. BioIn-Tacto: a compliant multi-modal tactile sensing module for robotic tasks. *HardwareX*, 16:??, December 2023. CODEN ???? ISSN 2468-0672. URL `http://www.sciencedirect.com/science/article/pii/S2468067223000858`.

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[dOFdJN+22] Maurício de Oliveira Filho, Matheus Cerqueira de Jesus, Anderson Zenken Nakazato, Marcel Yuzo Kondo, and Luis Rogerio de Oliveira Hein. Instru-

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[DOV+21] José E. Domínguez, E Olivos, Carlos Vázquez, J. M. Rivera, Rigoberto Hernández-Cortes, and Javier González-Benito. Automated low-cost device to produce sub-micrometric polymer fibers based on blow spun method. *HardwareX*, 10:??, October 2021. CODEN ???? ISSN 2468-0672. URL `http://www.sciencedirect.com/science/article/pii/S246806722100047X`.

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[DVD17] Thomas Dobbelaere, Philippe M. Vereecken, and Christophe Detavernier. A USB-controlled potentiostat/galvanostat for thin-film battery characterization. *HardwareX*, 2:34–49, October 2017. CODEN ???? ISSN 2468-0672. URL `http://www.sciencedirect.com/science/article/pii/S2468067217300317`.

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[DYL+18] David Dellal, Emma Yee, Shefali Lathwal, Hadley Sikes, and Jose Gomez-Marquez. Low-cost plug and play photochemistry reactor. *HardwareX*, 3:1–9, April 2018. CODEN ???? ISSN 2468-

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[ELL21] John P. Efromson, Shuai Li, and Michael D. Lynch. BioSamplr: an open source, low cost automated sampling system for bioreactors. *HardwareX*, 9:??, April 2021. CODEN ???? ISSN 2468-0672. URL http://www.sciencedirect.com/science/article/pii/S2468067221000067.

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[EZ22] Ernests Einbergs and Aleksejs Zolotarjovs. Programmable material testing device for mechanoluminescence measurements. *HardwareX*, 12:??, October 2022. CODEN ???? ISSN 2468-0672. URL http://www.sciencedirect.com/science/article/pii/S2468067222000943.

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[FAM+18] Joe Fleming, Tazdin Amietszajew, Euan McTurk, David P. Towers, Dave Greenwood, and Rohit Bhagat. Development and evaluation of *in-situ* instrumentation for cylindrical Li-ion cells using fibre optic sensors. *HardwareX*, 3:100–109, April 2018. CODEN ???? ISSN 2468-0672. URL http://www.sciencedirect.com/science/article/pii/S2468067217300809.

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[FATM22] Scott B. Ficarro, William Max Alexander, Isidoro Tavares, and Jarrod A. Marto. Open source fraction Collector/MALDI spotter for proteomics. *HardwareX*, 11:??, April 2022. CODEN ???? ISSN 2468-0672. URL http://www.sciencedirect.com/science/article/pii/S2468067222000505.

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[FDD17] Jacopo Ferretti, Licia Di Pietro, and Carmelo De Maria. Open-source automated external defibrillator. *HardwareX*, 2:61–70, October 2017. CODEN ???? ISSN 2468-0672. URL `http://www.sciencedirect.com/science/article/pii/S2468067217300354`.

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[FK19] Jude A. Frie and Jibran Y. Khokhar. An open source automated two-bottle choice test apparatus for rats. *HardwareX*, 5:??, April 2019. CODEN ???? ISSN 2468-0672. URL `http://www.sciencedirect.com/science/article/pii/S2468067219300045`.

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[PLP23] Francesco Potortì, Davide La Rosa, and Filippo Palumbo. Enerduino-pro: Smart meter led probe using Arduino. *HardwareX*, 15:??, September 2023. CODEN ???? ISSN 2468-0672. URL `http://www.sciencedirect.com/science/article/pii/S2468067223000688`.

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[PRR+23] Julio Pacher, Jorge Rodas, Alfredo Renault, Magno Ayala, Leonardo Comparatore, and Raul Gregor. Design and validation of a multilevel voltage source inverter based on modular H-bridge cells. *HardwareX*, 15:??, September 2023. CODEN ???? ISSN 2468-0672. URL `http://www.sciencedirect.com/science/article/pii/S2468067223000597`.

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[RGM20] Matthew B. Rhudy, Nathan Greenauer, and Catherine Mello. Wearable light data logger for studying physiological and psychological effects of light data. *HardwareX*, 8:??, October 2020. CODEN ???? ISSN 2468-0672. URL http://www.sciencedirect.com/science/article/pii/S2468067220300663.

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[RGSGD+23] Cristian F. Rodríguez, Paula Guzmán-Sastoque, Mónica Gantiva-Diaz, Saúl C. Gómez, Valentina Quezada, Carolina Muñoz-Camargo, Johann F. Osma, Luis H. Reyes, and Juan C. Cruz. Low-cost inertial microfluidic device for microparticle separation: a laser-ablated PMMA lab-on-a-chip approach without a cleanroom. *HardwareX*, 16:??, December 2023. CODEN ???? ISSN 2468-0672. URL http://www.sciencedirect.com/science/article/pii/S2468067223001001.

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[RNRP23] Ravneet S. Rattan, Nathan Nauta, Alessia Romani, and Joshua M. Pearce. Hangprinter for large scale additive manufacturing using fused particle fabrication with recycled plastic and continuous feeding. *HardwareX*, 13:??, March 2023. CODEN ???? ISSN 2468-0672. URL http://www.sciencedirect.com/science/article/pii/S2468067223000081.

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[RPHS23] Tejas Rathod, Vinay Patil, R. Harikrishnan, and Priti Shahane. Multipurpose deep learning-powered UAV for forest fire prevention and emergency response. *HardwareX*, 16:??, December 2023. CODEN ???? ISSN 2468-0672. URL http://www.sciencedirect.com/science/article/pii/S246806722300086X.

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[RRS+23] Joaquina Rubio, Christiam Rojas, Midori Sanchez, Daniela Gómez-Alzate, Mauricio Córdova, Verónica Montoya, Benjamin Castaneda, Javier Chang, and Sandra Pérez-Buitrago. COVOX: Providing oxygen during the COVID-19 health emergency. *HardwareX*, 13:??, March 2023. CODEN ???? ISSN 2468-0672. URL http://www.sciencedirect.com/science/article/pii/S2468067222001286.

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[RSV+23] Renno Raudmäe, Sandra Schumann, Veiko Vunder, Maarika Oidekivi, Madis Kaspar Nigol, Robert Valner, Houman Masnavi, Arun Kumar Singh, Alvo

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[RWK22] Dani Carbonell Rubio, Willi Weber, and Enrico Klotzsch. Maasi: a 3D printed spin coater with touchscreen. *HardwareX*, 11:??, April 2022. CODEN ???? ISSN 2468-0672. URL `http://www.sciencedirect.com/science/article/pii/S246806722200061X`.

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[Ryu22a] Jae Hyeon Ryu. Prototyping a low-cost open-source autonomous unmanned surface vehicle for real-time water quality monitoring and visualization. *HardwareX*, 12:??, October 2022. CODEN ???? ISSN 2468-0672. URL `http://www.sciencedirect.com/science/article/pii/S2468067222001146`.

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[Ryu22b] Jae Hyeon Ryu. UAS-based real-time water quality monitoring, sampling, and visualization platform (UASWQP). *HardwareX*, 11:??, April 2022. CODEN ???? ISSN 2468-0672. URL `http://www.sciencedirect.com/science/article/pii/S2468067222000220`.

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[SBTPV22] Ioana Suciu, Guillem Boquet, Pere Tuset-Peiró, and Xavier Vilajosana.

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[SFWW22] Wenhuan Sun, Adam Feinberg, and Victoria Webster-Wood. Continuous fiber extruder for desktop 3D printers toward long fiber embedded hydrogel 3D printing. *HardwareX*, 11:??, April 2022. CODEN ???? ISSN 2468-0672. URL `http://www.sciencedirect.com/science/article/pii/S2468067222000426`.

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[SG21] Tomas J. Saun and Teodor P. Grantcharov. Design and validation of an inertial measurement unit (IMU)-based sensor for capturing camera movement in the operating room. *HardwareX*, 9:??, April 2021. CODEN ???? ISSN 2468-0672. URL `http://www.sciencedirect.com/science/article/pii/S2468067221000080`.

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[SHS+23] Tobias Schnabel, Robert Honke, Andreas Schmid, Simon Mehling, Rene' Göhring, Oldrich Simek, Axel Wolfram, Andre Wetterauer, and Christian Springer. Low-cost test rig for characterization of photocatalytic planar materials using photonically sized UV-A LED light sources. *HardwareX*, 16: ??, December 2023. CODEN ???? ISSN 2468-0672. URL http://www.sciencedirect.com/science/article/pii/S2468067223000949.

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[VCS+23] Vijay Vaishampayan, Oinam Robita Chanu, Balasubramanian Sivasamy, Muthamilselvi Ponnuchamy, Varshini Karthik, Ambar Pend-

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[VDV23] Evgenii Vlasov, Nikita Denisov, and Johan Verbeeck. Low-cost electron detector for scanning electron microscope. *HardwareX*, 14:??, June 2023. CODEN ???? ISSN 2468-0672. URL `http://www.sciencedirect.com/science/article/pii/S2468067223000202`.

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[WNKP22] Pankaj Wankhede, Nara Guru Narayanaswamy, Suresh Kurra, and Amritha Priyadarshini. A portable device for single point strain analysis in sheet metal forming processes. *HardwareX*, 12:??, October 2022. CODEN ???? ISSN 2468-0672. URL http://www.sciencedirect.com/science/article/pii/S246806722200116X.

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