

A Complete Bibliography of Publications in *HardwareX*

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Title word cross-reference

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].

1000 μ [BM18]. 16 [DB22]. 2
[NIKK21, ZCB+20]. 2.5*T* [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,
TBI21, 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].

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** [KOB23]. **apparatus** [CBTGAG⁺18, FK19, GLG⁺23, HP20, KAB⁺20, Pri19, SWPG19, SK21, WCR22]. **apparent** [CPCQY23]. **Application** [SKK⁺23, CKB⁺22, KOB23, 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, RGS⁺GD⁺23].
Approaches [HHSP18, MBH⁺21].
appropriate [DMA⁺23]. **April** [Ano17d, Ano18c, Ano19a, Ano20a, Ano21a, Ano22a].
aquaculture [SBTPV22]. **aqueous** [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, Po622]. **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** [MMR⁺22]. **BioIn** [dOdF23]. **BioIn-Tacto** [dOdF23]. **biological** [FES⁺21, MPB21, RBRK23, SNAO20]. **biology** [Po622]. **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** [PABS23]. **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** [Po623]. **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]. **cEEGGrid** [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, Po622]. **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, JKJK22, 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, RSGSD⁺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** [KOB23]. **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, DÓ23, DBP⁺21, DKM23, DOG21, GPO⁺20, GCM21, HS21, HSS22, HW22, HHSP18, JKJK22, 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, JKJK22, 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]. **dehydrating** [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** [KOB23]. **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]. **electrowriting** [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** [DO23]. **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** [TBB121]. **eye** [CLSZ⁺17].

fabric [SWPG19]. **fabricate** [JTD20].
Fabricating [OhMAN23]. **Fabrication**
 [MPB+23, MD22, OKH22, OhMA22,
 DFS+22, FRJ+22, JCBBFVC23, NRK+23,
 RNR23, 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 [RNR23]. **fever** [ASIM21]. **FFF**
 [LSD22]. **fiber** [AAUP23, BVORMH+22,
 KCW21b, MKH+20, SFWW22].
fiber-coupled [KCW21b]. **fibers**
 [DOV+21, SBT20]. **fibre** [FAM+18]. **field**
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 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**
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 [BOB+19]. **freshwater** [NLYB23]. **friction**
 [CHG+21]. **front** [Bow23]. **front-End**
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fruity [BSS+20]. **FTP** [SGD19]. **full**
 [NHAH+21]. **full-face** [NHAH+21]. **Fully**
 [VSTB19, AG23]. **functional** [TKHB21].
functions [PDR+22]. **fused** [RNR23].
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 [KOB23]. **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** [RNR23]. **haptic** [CPCQY23, KA20]. **Hardware** [MDR20, SL22, AdT⁺20, ASME18, BVMHBV21, BHZ⁺22, CC18, CKMW21, GCM21, HF23, HHKB20, KWP22, KCW21a, KCW21b, KOB23, KW23, MYG⁺23, OGP22, OCS21, PHLM22, REP19, THMZ22]. **Hardware-in-the-loop** [SL22]. **hardware-software** [THMZ22]. **HardwareX** [Pea21]. **hare** [KOB23]. **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** [Uhr19]. **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, RGS23, SKS23, WDW21]. **laser-ablated** [RGS23]. **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, KF22, KLS22, KMG⁺²¹, LNP⁺²³, LWS⁺²², MKM⁺²², MWG⁺²², MGJ⁺²², MPFC21, MHBVBVMA23, MTPK20, NRK⁺²³, OhMA22, PPAP21, PPHP⁺²³, RGS23, 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, JK22, 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, JKJK22, 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**[GHR20, 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, KPCK19,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, WMP18, 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].
photonicallly [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,
 KK_wM22, 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, KK_wM22, MGJ⁺22,
 NGSU21, OP18, PPHP⁺23, SIR18].
power-efficient [HSH⁺22]. **PowEred**
 [NMZMT20, PSL⁺20, HP20, MRKP23,
 RPHS23, RBB⁺22, SIY⁺23, VA21].
Powering [KK_wM22]. **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, VKM22, 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** [TLS+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** [SKS22]. **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** [KOB23]. **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, KPCK19, 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** [KOB23]. **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, JCBFVC23, 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**

[LDN⁺22]. **suites** [AHUS19]. **sun** [RBB⁺22]. **sunlight** [BVVAGMRP22, BVORMH⁺22]. **super** [AKJT22, DBP⁺21]. **super-resolution** [AKJT22]. **supply** [DC23, OGP22, SIR18]. **support** [SNAO20, VKM⁺23]. **supported** [RSV⁺23]. **surface** [CFV⁺19, CAR⁺23, CPVCRLS17, McM17, PNM⁺23, REP19, Ryu22a]. **surface-active** [McM17]. **surface-mount** [CPVCRLS17]. **Surveillance** [HOW23]. **surveying** [BS22a]. **suspended** [DKM23]. **swab** [GPO⁺20]. **swarm** [GV20]. **switch** [RHR19]. **switching** [BPP⁺19, KHRC21]. **Synchronization** [BMD⁺20, SE23]. **synchronous** [SKC⁺20]. **synchrotron** [KAB⁺20]. **synthesis** [LOSM18, PÁBS23, VBK⁺22]. **synthesized** [KMB⁺22]. **Syringe** [BOB⁺19, DS21, BS21, DÖ23, GLD18, ICBL22, PPHP⁺23, PHF18, TSF21, LNP⁺23]. **Syringe-based** [LNP⁺23]. **syringe-pump** [DÖ23]. **System** [LOSM18, WRSU23, AdT⁺20, AHUS19, AZD19, Ban23, BBJ21, Bie23, BRC⁺20, BCB⁺22, BVMH21, BVVAGMRP22, BVORMH⁺22, CPLM23, CJ20, CGB⁺19, CWB⁺21, CKB⁺22, CSS⁺22, CHBMCV⁺23, DS21, DB22, DBP⁺21, ELL21, FLL23, GPO⁺20, GBDS22, HW22, HCS20, JCBBFVC23, JKJK22, JSS⁺18, KwMMM23, KFB⁺23, KPY⁺18, KG22, KOBT23, Kod18, KST19, LRSC19, LS20b, LKN21, LMC18, LKJ⁺23, LBK22, LPB18, MGJ⁺22, MN22, MPB21, MHBVBVMA23, MZLG20, MD20, MDD20, MMR22, NKM⁺21, NMZMT20, NLYB23, NND⁺22, OP18, PK20, PCCS23, PK21, PMA⁺23, PPG⁺22, Poó23, RKD⁺22, RBRK23, REP19, RHWP22, SRB⁺22, SMS⁺23, SK23, SSL⁺20, SKG22, SRC⁺22, SNAO20, SGH⁺18, TLO⁺22, VOS22, VAG⁺22, WS19, WYT23, WS18b]. **system-on-chip** [BRC⁺20]. **systems** [AG23, HPC21, JTD20, PHL⁺20]. **T** [DKM23, KTK22]. **tabletop** [GAB⁺22]. **tactile** [FRJ⁺22, dOdF23]. **Tacto** [dOdF23]. **tags** [CNPP21]. **tailings** [BBJ21]. **Tailored** [KTK22]. **tangential** [LBK⁺21]. **tangential-flow** [LBK⁺21]. **Tank** [OFP⁺23, SBTPV22]. **task** [NGSU21]. **tasks** [dOdF23]. **Taxonomy** [MDR20]. **TD** [BBJ21]. **TD-DAQ** [BBJ21]. **TDM** [ZSLF23]. **TDT** [LS20b]. **teaching** [BSE20, CPLM23, MYG⁺23]. **tech** [Pea21]. **technical** [KMB⁺22]. **technique** [MBML21]. **techniques** [MCLSN19]. **technologies** [DMA⁺23]. **technologies** [BRC⁺20, EMMH20, Pea20, TLP⁺23]. **Telechemistry** [HPU21]. **telemedicine** [CABA⁺21]. **telemetry** [CC18]. **Temperature** [MHBVBVMA23, AC20, BGJGC23, CWB⁺21, CLCT19, CPB⁺22, HJvdG⁺22, KCW21b, MZW⁺21, McM17, MD22, MMR⁺23, OFP⁺23, RAMM20, SDDL20, STP20, SK21]. **temperature-control** [SDDL20]. **temperature-controlled** [CPB⁺22]. **temperatures** [CLCT19]. **tensile** [ILG23, MZLG20, SSL⁺20, WOM⁺22]. **Tension** [AAUP23]. **tensioning** [ILG23]. **TENTACLE** [HJvdG⁺22]. **term** [CWB⁺21, HG21, MKL⁺21, Rom21]. **terrestrial** [RBB⁺22]. **test** [ACHB19, FK19, PNM⁺23, SHS⁺23, SMW⁺20, SMSR21, WOM⁺22]. **tester** [AIB21, ILG23, MBP⁺22, RCM21, AIB21]. **testing** [AFK⁺19, BCB⁺22, BJL⁺20, CSS⁺22, EZ22, LLO22, LKJ⁺23, PCCS23, PMCL20, SGD⁺22, SSL⁺20, SZZ22, SK21]. **tether** [YM23]. **textile** [SWPG19]. **textiles** [UMEA19]. **their** [Pea21]. **therapy** [RHAB22]. **Thermal** [SMS⁺22, LS20b, MD22, SWPG19]. **thermometer** [ASIM21, MCAR⁺21]. **thermoplastic** [GLG⁺23]. **thermoplastics** [KTT⁺21]. **thin** [DVD17, GAB⁺22, PÁBS23, RAMM20]. **thin-film** [DVD17]. **Things** [AB23, TS22]. **Things-Based** [AB23]. **thoracic** [GCHP22].

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].

UAS [Ryu22b]. **UAS-based** [Ryu22b]. **UASWQP** [Ryu22b]. **UAV** [RPHS23, SSM⁺22]. **UFBGA** [AP22]. **UGV** [NKM⁺21]. **UK** [KMB⁺22]. **ultra** [JBG⁺22, OhMAN23, PPF⁺22, WSI⁺22]. **ultra-cost-effective** [OhMAN23]. **ultra-low-cost** [WSI⁺22]. **ultraviolet** [ARLS22, BV18]. **unbiased** [DHY18]. **undergraduate** [TBM20]. **undersampled** [SSM⁺22]. **understory** [BS22a]. **Underwater** [HOW23, HCS20, MDD20, ZSLF23, ZBOB22]. **uniaxial** [KWP⁺21]. **Uniform** [MKH⁺20]. **Unilamellar** [BPW18]. **Unit** [BVMHBV23, CNBH22, SG21, Sur21]. **units** [OCS21]. **unmanned** [NKM⁺21, Ryu22a]. **unsaturated** [BBJ21]. **Untangling** [KOBT23]. **updated** [RMOB⁺19]. **upgrade** [SK21]. **upper** [KG22]. **urban** [CLCT19]. **USB** [DVD17]. **USB-controlled** [DVD17]. **use** [BGE⁺20, DOG21, GML⁺20, KMB⁺22, LDN⁺22, MN22, SGD19]. **used** [BPP⁺19, SKK⁺23]. **uses** [DBRE21]. **using** [ARLS22, AG23, BFV⁺21, BCN⁺21, BRC⁺20, BVVAGMRP22, BVORMH⁺22, CC18, CSH18, DMA⁺23, FAM⁺18, GCCCBF22, HSS22, JBG⁺22, KTK22, MWG⁺22, MHBVBVMA23, MCAR⁺21, MP20, OKH22, PLP23, RNRP23, SVMV20, SK23, SHS⁺23, SSL⁺20, SOB⁺23, TLP⁺23]. **USMA** [MKH⁺20]. **USV** [JHA⁺19]. **utilizing** [BOB⁺19, KPY⁺18, OGP22]. **UV** [BFV⁺21, BVMH21, GPO⁺20, SHS⁺23]. **UV-A** [SHS⁺23]. **UV-C** [BFV⁺21]. **UVGI** [ARLS22].

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