# A Complete Bibliography of Publications in *Computing in Science and Engineering*

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## Title word cross-reference

+ [Luo12]. 100× [AHL24, GGHM24]. 2 [CFA04, Hun07, OMKdSB11, YWC02]. 3 [Ama00, Ano15-38, Ano15-39, BB07, CCSS08, CY00, CHC+11, CS14, CS15, DiP18b, GWA+07, HMA00, HL00, LWF10, MJAK09, RV11, SDS00, SYP08, Sul02c, Weg00, XHL+13, YWC02, YCK03, YCKK03, YaL10, ZZPC06, ZDW+07, ZCXM99]. 4 [WNZ+17]. $A = B$ [BS00a]. $D$ [UZC+12]. $k$ [ALM19]. **B _ NEW** $\Leftarrow B_0 \oplus (B_1 \vee B_2)$ [Sul02b]. $N$ [YB12]. $\neq$ [Sul04c]. $QR$ [Par00a].

**-body** [YB12]. **-Vector** [ALM19].

**0451** [AMCL+23].

**1** [Bak10]. **10** [Ano24a]. **11th** [HPKS04]. **19** [AM20, BPMKC21, BCH+22, Com20, FGHW20, HP20, Jef21, KKO+20, PHW+21, PQQ20, TGU21, VSB+21, WHG21, Wes21].

**2** [CW05b, FGG+22, XDK+20]. **20-Bit** [TJ14]. **20-Year** [BLT+23]. **2000** [MFD+09]. **2009** [SEPC10]. **2010** [SSW11]. **2011** [Ano11c]. **2013** [Thi13a]. **2014** [Ano13j, Ano14-31]. **2016** [Ano16b, CSW17, DE17]. **2017** [Ano17a]. **2019** [Ano18b, Ano19d, Ano19e, Ano19z, WBP+19]. **2020** [Ano20x, Ano20y, Ano20-37, Ano20-54, Ano20-56]. **2021** [HCK22]. **2023** [Ano22w, Ano22a, Ano22b, Ano22-68, RHC+23]. **20th** [SCBT18]. **21st** [Ano22-67, Ano23-64, Ano23-65, Ano23-66, Ano14-49, Ano22-66, Ric99]. **2Guest** [BLMR21]. **2nd** [Seg99].

**3** [KBLD08, SGA+22]. **3-D** [SGA+22]. **39th** [Ano15b]. **3D** [Lew99b]. **3M** [CW05d]. **3Ms** [CW05b, CW05c, CW05a].

**43** [UZC+12]. **4th** [CHC17].

**6000** [Tou02b]. **6i** [Shi01a].

**7** [Sim13].

**8** [Bur99].

**9** [MKM+14]. **95** [GRE99].

**Abinit** [PBD+11]. **Abridged** [FB04]. **Academic** [Bot16, LTD11]. **Accelerate** [WCH12]. **Accelerated** [Ben04, FPRK16, NGGS22, PHL+10, SWDR22]. **Accelerating** [DdS23a, DdS23b, EVA+21, EKCS12, KSB07, LFK+19, Men18, MSM13, SAA23, SRKS22, Thi12a, TCD+14, UZC+12, VMK20, WZS+10, WOAEAG10]. **Acceleration** [AAAH+16, FKB+13, NLGNJ13, SKP+10, STH22, SMSC22]. **Accelerator** [AMS14, DLB+07, SG10]. **Accelerators** [Eis17, HGV+08, KWB+10]. **Acceptance** [PS17]. **Access** [ACKW01, AGC+16, DJ02, Gal11, GDDR16, LPB13, PKST08b, PLW17, QRP22, MMG+05]. **Accessible** [Oli13]. **Accidental** [BPH+13, HMS+00, PA22]. **Accuracy** [LPCY19, PSS20]. **Accurate** [TM14]. **ACE2** [XDK+20]. **AceDB** [STM99]. **ACES** [YLCZ05]. **ACES-iSERVO** [YLCZ05]. **Achieving** [OS04]. **Acid** [Maj03]. **Acknowledged** [KFMG20]. **ACM** [BTL19]. **Acquisition** [Azo06, Cas16, CN03, CC99, LGW+17, MM16, NC03, PAN+16a, PNL+16, PS17, Shi01a]. **Acquisitions** [DCWH07]. **across** [PS17]. **Action** [Lat16]. **Active** [GHKZ17, SD11, YYG+19]. **Activities** [Par12]. **Activity** [Har23, Muz19, NWP19]. **Actuator** [YMHQ19]. **Ad** [Ano18q, Ano18-39, Ano18-35, Ano18-36, Ano18-40, Ano18-46, Ano18-44, Ano20w, Ano18b, Ano18-53, Ano18-54]. **Adaptation** [GKG+15]. **Adaptations** [DBB+21]. **Adapting** [STWK15]. **Adaptive** [Beh05, BLT+23, BMP+06, Bry99, DBB+21, GPZ+04, KRR+12, MCAA05, NSLD99, VSG+02, WB03]. **Adaptively** [BW06]. **Adder** [GBPR11]. **Adding** [Mal00]. **Additional** [AAGH17a, AAGH17b]. **Addressable** [Hin20a]. **Addressing** [Bot16, FAFX20, HG02]. **Adds** [Got02a, Shi01a]. **Adjoint** [CL14, DAEJ18]. **Adjoint-Based** [CL14]. **Adjustable** [Par00b]. **Adjusting** [KS13]. **Administrative** [Ano18z, Ano19y]. **Adobe** [Tof08, Tof09a, Tof09b]. **Adopting** [Sch23a, SWPB00, Tan21]. **Adoption** [PS17]. **Adsorption** [KM99, WWJH20]. **Adsorption-Desorption** [KM99]. **Advance** [Ano15-37, TMC+13]. **Advanced** [Akl18, DGG+21, DRR+04, Got15, Got16, Har23, MPR18, MHB+24, Men18, MHC+18, MSD10, STG11, SNTL13, TMMB18, Tow18, Wat21, WZZ11, dJM18]. **Advancement** [Che15]. **Advances** [AMS14, CK09, ECK+15, GL99, GK18, HP14a]. **Advancing** [CJL+18, Gor13, KMB+08, LG10, PV00, SYM+21]. **Advantage** [Mil10]. **Adventures** [Nob00b]. **Advertisement** [Ano13g, Ano13h, Ano13p, Ano13n, Ano14d, Ano14e, Ano14g, Ano14h, Ano14i, Ano14l, Ano14j, Ano14m, Ano14t, Ano14-32, Ano14v, Ano14z, Ano14-29, Ano14w, Ano14-27, Ano14-28, Ano14-31, Ano14-30, Ano14-39, Ano14-40, Ano14-41, Ano14-42, Ano14-45, Ano14-46, Ano14-47, Ano14-48, Ano14-49, Ano15b, Ano15c, Ano15e, Ano15f, Ano15i, Ano15g, Ano15k, Ano15l, Ano15s, Ano15t, Ano15u, Ano15v, Ano15w, Ano15x, Ano15y, Ano15z, Ano15-27, Ano15-35, Ano15-36, Ano15-37, Ano15-43, Ano15-40, Ano15-41, Ano15-42, Ano15-39, Ano15-45, Ano15-49, Ano16c, Ano16d, Ano16e, Ano16l, Ano16t, Ano16q, Ano16u, Ano16r, Ano16z, Ano16v,

Ano16n, Ano16s, Ano16-27, Ano16w, Ano16o, Ano16x, Ano16p, Ano16-28, Ano16-29, Ano16-30, Ano16-38, Ano16-39, Ano16-40, Ano16-47, Ano16-48, Ano18-37, Ano13b]. **advertisement** [Ano13c, Ano13d, Ano13e, Ano13k, Ano13o, Ano14f, Ano14k, Ano14x, Ano14-44, Ano14-56, Ano15h, Ano15j, Ano15-28, Ano15-38, Ano15-44, Ano15-48, Ano17-28, Ano17-29, Ano17-30]. **Advertising** [Day10b]. **Advice** [Day09a]. **Aerodynamic** [LQZL19]. **Affects** [KRH+99]. **Affordable** [Weg00]. **Africa** [Amo18]. **African** [Sca16]. **African-American** [Sca16]. **After** [AM20, DF21, Key05]. **Again** [Cho07b, Sul07b]. **Against** [FGHW20, HP20, VSB+21, WHG21, Wes21]. **Age** [Gar06, PQQ20, Thi02]. **Agencies** [MBB+22]. **Agency** [Smi16]. **Agent** [AM05, DYY+17, FGRS17, HXMC05, PI16, SU22, SMSC22]. **Agent-Based** [AM05, HXMC05, PI16, SU22, SMSC22]. **Agent-Oriented** [FGRS17]. **Agents** [BO04]. **Aggregates** [KLS01]. **Aggregating** [DMXR+14]. **Aggregation** [LLQ18]. **Agile** [ABC+14, PK18, SHPL12, VB08, Var08, FKB+13]. **Agilent** [Tou01]. **Aging** [Dub15a, Fen06, dOMdO+04]. **Agreement** [Smi99c]. **AI** [Ano22c, Ano24a, Guo23, SAA23]. **AI-Aided** [SAA23]. **Aided** [Ass00, Day17a, Gig00, JS99, Lew02b, SAA23]. **Aims** [For01, TMC+13]. **Ain't** [Dub08c, Sul04f]. **AIP** [Ano18c]. **Air** [EDJ+10, PAN+16b]. **Aircraft** [KNKP14, MM16]. **Airspace** [Don03]. **al** [Lud13]. **Alan** [Lov04, Lov04]. **Alert** [SSG16]. **Algebra** [FGP99, HH22, LPV00, Los03, Sch14, ZZPC06]. **Algebraic** [Fal06, RLRML04a]. **Algorithm** [ALH15, ATG05, ACF18, BST+13, Bea00, BS00c, BS00d, DCC10, Ebr10, FAFX20, Lui06, MBS+00, OOB17, PL07, PSS20, Par00a, Pre09, Roc00, Rus03, SSP06, SR12, Thi13c, YYL+18, ZZYNH06, ZLTX19]. **Algorithmic** [Fra07]. **Algorithms** [BFL+22, DS00, Eng09, LGG+22, MBS+00, MSS09, NKV99, Rag07, Sul00c, Wep15]. **Alignment** [XHL+13]. **All-Digital** [Thi15a]. **All-Optical** [GBPR11]. **Alliance** [CMN00]. **Almost** [Shi00a]. **AlphaGo** [Che16]. **Alternative** [ALH15, CF03]. **Alternatives** [EHG01]. **Am** [Sul07a]. **Amazon** [FPRK16, JRD+13]. **Ambient** [Dac16]. **America** [MHC+18, Smi00b]. **American** [Ano18d, Ano18e, Ano18f, Sca16]. **among** [Cho12]. **AMP** [Zhu16]. **AMR** [ZSM+22]. **Analog** [Azo06]. **Analogous** [CB02]. **Analyses** [Cor07, HE05, PLH+18]. **Analysis** [ALH15, AAH+08, Ano15e, BAD+21, BT01, BKK15, BCC+99, CR15, DVP+17, Dal99, DH12, DLLM04, DMR+09, DKWL17, EHG01, GARS+20, GM02, GYJL20, GNB+09, HAB17, HBB08, HB08, JSNR11, JXY+19, JRP+17, JON+21, KHE13, KL07, LFC01, MRU+15, MAFM21, MB07, O'L06f, OMKdSB11, Ome06, PI16, PAN+16b, RD05a, RD05b, SSCN11, SCW+17, Shi99, SPB+20, Sul06b, TGP+06, TKM+18, TGEA09, VN99, VGM+09, WT12, XYC+09, YLZ+19, ZLW+19, SOV+13]. **Analytic** [NGGS22]. **Analytical** [DPBS16]. **Analytics** [AAB+13, Ano14-44, Ano16-39, ERF21, GP15, KHE13, RSZ+20, RSZ+21, SAK+13, SBZB13, Wan18]. **Analyzing** [ABK+02, CS01a, DL00, O'L07a, O'L07b, SPW+13, Vla12, WGJ16]. **ANARI** [SGA+22]. **Anatomic** [CZ07, LYC07]. **Anatomical** [GWA+07]. **Anatomy** [LCY08, YCL05]. **Anderson** [SS11]. **Anecdotes** [Got14a]. **Aneurysm** [WNZ+17]. **Angle** [Nob02b, O'L12]. **Animal** [DL00]. **Animating** [Sil00, YCZ07]. **Animation** [LJWC06, WLCJ12]. **Anisotropic** [FL05]. **Annals** [Ano21i, Ano21j, Ano21k, Ano22i, Ano22j, Ano23f]. **Anniversary** [SCBT18]. **Annotated** [Wep15]. **Annotating** [WGJ16]. **Announcing** [Leu17]. **Annual**

[Ano99, Ano00a, Ano01, Ano02a, Ano03, Ano04a, Ano05a, Ano06, Ano08, Ano09a, Ano11c, Ano15b]. **Anomaly** [Smi99d]. **Answer** [Sul05a]. **Antennas** [PAN+16b]. **Anthology** [Nai15]. **Anticocaine** [Gor06a]. **Antiproton** [SSK02]. **Antiproton-Hydrogen** [SSK02]. **Any** [Pre09]. **Anymore** [Cho05b]. **Anything** [Sul99b]. **apeNEXT** [BST+06]. **API** [RR21, SGA+22]. **App** [Day14a]. **App-Scale** [Day14a]. **Apparatus** [ZDW+07]. **Appliance** [SDCV10]. **Appliances** [How12]. **Application** [ACQ+20, Bas02, BAD+21, BHC+15, DGK16, DMA+21, DD07, HRRS09, Lau05, Läu06, LTG07, MM18, NdSS17, NdS17, SSCN11, SCW+17, SKP+10, SB00, WY12, ZZS+19]. **Applications** [Ano15b, Ano20z, ACF18, Ara99, BFF12, BC05a, BC05b, Bry11, CJL+18, CF99a, Che19, DBH+02, Di 11, DSK15, DYY+17, DG12, EVA+21, Fox03d, GJP24, GZC14, HPMJ12, JSNR11, JPE20, KNG10, KVP+16, KVP+17, KSM+17, KSB07, KTG08, KHC+07, LZZ17, LGG+22, MDW+22, Mem16, MV20, MHC+18, NGGS22, OKS10, PF04, PMFM14, PAN+16b, Rag07, Ran06, RLRML04b, SBZ+08, SSP06, SKC02, SL03, Shi07, SBZB13, SF11, SPB+20, Tec18, WCAL14, WD06, ZLW+19, Wep15, Ano20a, Ano20f, Ano21a, Ano21b, Ano21l, Ano22k, Ano22l, Ano22m, Ano22n, Ano23g, Ano23h]. **Applied** [Coo14, MT00, Rei21a, Rei21b, RHC+23]. **Apply** [Eng15]. **Applying** [ST05, SFSK01, TX08, TMC+13, YLR02]. **Approach** [ABNZ09, Ama00, AM05, Bas14, Bet99, BZL+07, Che99, Che03, CRNO23, DPG+12, EGFL12, FGR+07, FGRS17, Gan02, JMEL08, Kal19, KC19, KPA+16, Kyr08, LGG+23, O'L05c, RRN20, RGD13, Roo06, SMF+23, SR12, Ste00, SKC05, VMK20, VWP12, Wri16, WCH12, XKG05, YMLJ06, YM14, ZS07, ZWYL20, GGD+05]. **Approaches** [Cos22, MVUSK14, MMR22, NG20, Pat02, TGP+06]. **Approximate** [WQLZ18]. **Approximating** [GBDW04]. **Approximation** [Hin15a, Kus06a, Sul10a]. **Arbitrary** [GLTZ10]. **Arboreal** [Shi03]. **Archaeology** [Day16a]. **Architecture** [DADY15, DYY+17, EWN+13, EVA+21, GHKR11, GHKZ17, HKB12, HDB+04, HRRS09, Jer13, KS13, Läu06, LTG07, PKST08a, PKST08b, PKST08c, SES+11, Lau05]. **Architectures** [Dec15, DGG+21, KTG08, Kin09, Kog09, MSD10, Sch15, SBB+15]. **Archivable** [AISR+21]. **Archive** [Nei08, TSKG03, TSFG08, Tha08a]. **Archives** [BDS13]. **Archiving** [Gor06d]. **Arctic** [EKLY07, MKJ07, THGS07]. **Argentina** [BPMKC21]. **Argonne** [CJ16]. **Argument** [Fox18]. **Arithmetic** [Bai05, O'L06b, PPE00, Smi03]. **ARL's** [War18]. **Arm** [DiP18b, Els21]. **Array** [YBBP15, vdWCV11, CBF+22]. **Array-Structured** [YBBP15]. **Arrays** [Chi21]. **Arrival** [BBWW22, OM03]. **Art** [Bei12d, Gor05b, Sul10a]. **Arterial** [VSE01]. **Arteriovenous** [DKCL14]. **ARTICLES** [Ano21v, Ano20q, Ano20r, Ano20o, Ano20p, Ano21-29, Ano21-30, Ano21-31, Ano21-27, Ano22v, Ano22u, Ano21-28]. **Artifacts** [CGZ20, HBG+20]. **Artificial** [Ano22w, Ano22a, BB20, Gor06b, KKKM23, PI16]. **Arts** [SL18, Tan21]. **ASE** [LVLA14]. **Ask** [Sul03b]. **Aspects** [GC00, SGA03]. **Assays** [WZS+10]. **Assessing** [HPC20, LMC20, XHL+13]. **Assessment** [FCT+10, KL07, SPB+20]. **Assignment** [O'L06e, O'L07b, XXK+02]. **Assimilation** [WZZ11]. **Associated** [TAM+14, Van12]. **Assurance** [HLS+16, RPEB14, SSW21]. **Asteroid** [GWMG04]. **Astronomers** [Day14f, Gor08c, RTSS14b]. **Astronomical** [Day15a, WAS+12]. **Astronomy** [BDS13, HJLH03, LL13, MSL02, PBSS14, WBB+20]. **Astrophysical**

[CDF+04, JON+21, Owe01, RCD+00]. **Astrophysics** [ABNZ09, CK09]. **Asymmetric** [GBPR11]. **Asynchronous** [DAEJ18, DMA+21]. **ATI** [BCH+09]. **ATLAS** [Cas16]. **Atmosphere** [FSD02]. **Atmospheric** [Kel10, PD02, Beh05]. **Atom** [SSK02, WLL+14]. **Atomic** [Che03, HBD+23, WPZ00]. **Atomistic** [Adl03, BMCC21, GL99, GIF+12, KL10, TL08b, VKN99]. **Atomistic-Continuum** [GIF+12]. **Atoms** [Vla12]. **Atos** [Els21]. **Atque** [Cho08a]. **Atresia** [yFZDY13]. **atrial** [SOV+13]. **Attempt** [Far99]. **Attempts** [Kul07]. **Attitude** [HAB17]. **Attitudes** [CHH+13, Sca16]. **Attributing** [ACG+20]. **Atypical** [SOH13]. **Audience** [SNCM16]. **Audience-Targeted** [SNCM16]. **Audio** [BBN03]. **Auditory** [XYC+09]. **Augmented** [ACQ+20, DBJ+20, MV20, SPB+20]. **Aural** [yFZDY13]. **Aurora** [Lum07]. **Australia** [MMG+05]. **Authentic** [GARS+20]. **Authoring** [CBB06, Sil02]. **automan** [Ram18]. **Automata** [MT00, Sch20, Sch23c]. **Automated** [Dav12, Edd09, JPE20, KC09a, KC09b, KC09c, MSB+14, Ter11, XXK+02]. **Automatic** [GMPR11, MAC08, RGD13]. **Automatically** [XHL+13]. **Automation** [OSM+19, Ram18, SAA23]. **Autonomous** [LL19, VVNV18]. **Autoregressive** [RD05b]. **Autotuner** [Vud22]. **Autotuning** [YB12]. **AV** [HWPS16, HLS+16]. **Available** [CE18]. **Avalanches** [Boe00, KPD+99]. **Avatars** [YWC02]. **Ave** [Cho08a]. **Average** [Smi00b]. **Award** [Ano14y, Ano15g, Ano16n, Ano16o, Ano16p, Ano17p, Ano20-36, Ano21-48, Ano14y, Ano14-43, Ano16b, Ano17a, Ano18p, Ano18b, Ano18-38, Ano20-36, Ano21-47, Ano21-48, Ano21-46, Ano22b, Ano22-75]. **Awards** [Ano16c, Ano16d, Ano17b, Ano18h, Ano18q, Ano20n, Ano21y, Ano21z, Ano23-53, Ano23-54, Ano23-55, Ano20-51, Ano20-52, Ano20-53, Ano24l]. **Aware** [GHKZ17, TFF05]. **Awareness** [MM12]. **Away** [ERS+03]. **awesome** [Day12f].

**B** [Ano17a]. **Baaack** [Dub06a]. **Babbage** [Ano16b, Ano18b, Ano22b]. **Babel** [Cho09b]. **Back** [Cho08b, Her21, Sch17b, Thi11a]. **Backbone** [XXK+02]. **Background** [BCJK99, BKK15, Tho99a]. **Bacterial** [Hin17a]. **Bad** [Sul04b]. **Bags** [Day10a]. **Balance** [Kul07, WSC+04, YYL+18]. **Balanced** [CS01a]. **Balances** [BZL+07]. **Bang** [BKK15]. **Bangs** [MKM+14]. **Bar** [SSW21]. **Barrier** [JC02]. **Based** [ALH+20, AAGH17a, AAGH17b, Ama00, Ano16-40, ACF18, AM05, AGC+16, Aya14, BCC+09, CL14, CF99b, CYW01, DVP+17, DCWH07, DLLZ19, DLLZ20, DAKM16, DMA+21, FOdLVF+11, GGJD23, GW15, GPMSC20, GYJL20, GNB+09, HLS+16, HWPS16, HLYQ19, HGV+08, HSJ+19, HXMC05, JJ15, JLYL19, Jq19, KSW+12, KMSH10, KPA+16, KVP+16, KBPW15, LFC01, Les16, LGJ+19, Luo12, Mil10, MWC+16, MMR22, NLGNJ13, NW13, NWP19, Osk07, PL07, PTML11, PCY14, Peo20, PQQ20, PI16, Pos09, PMW20, QSEQJFH20, Raf16, Ram18, SÜP+11, SSCN11, SU22, SSG16, SBW+19, SDCV10, SWDR22, SAK+13, Sny13, SR12, SMSC22, SGRK+18, TMMB18, Tec18, TKM+18, TNV+02, VMK20, VWP12, WCHRM21, WLCJ12, WCC+02, WPM+12, Wan18, WCH12, WCC+19, YYL+18, ZDW+07, ZZC+19, ZWYL20, ZZYNH06, vGDS18, GGD+05]. **Baseline** [SBW+19]. **Bases** [RLRML04a, RLRML04b]. **Basic** [HW15, Rus01a, Rus01b, Rus02, Rus03, Tof08, Shi00b]. **Basin** [WSC+04]. **Basis** [Lau02, LWG19, Ste12]. **Bat** [Don06b]. **Batch** [LT08]. **Batteries** [Dub07e]. **Battle** [FGHW20, WHG21]. **Battlespace** [CAP+10]. **Bayes** [PL07]. **Bayes-Based** [PL07]. **Bayesian** [BT01]. **Be** [Alt10, Ano16q, Ano16r, Ano18s, Ano19u,

BS02, Cho07e, Dub08a, Got01, Sul04f, Sul06c, Roa04]. **Beacon** [BHC+15]. **Beam** [SG00]. **Bean** [Dub05a]. **Bean-Counted** [Dub05a]. **Bearing** [ZZC+19]. **Beat** [DC04]. **Become** [Lew00c]. **Becoming** [Day11b, Got14b]. **Been** [Day07b, Fla17, Smi99a]. **Beetles** [O'L07a, O'L07b]. **Before** [DC04, Day15a]. **Begin** [Bei09a]. **Beginning** [Bei09a, TW17]. **Behavior** [CF99b, HS12, LL11, Roh10]. **Behavioral** [Ano15e]. **Behaviors** [MSR15]. **Being** [AH07, Fox02c]. **Belonging** [Wri16]. **Benefits** [CMN00, Tou02b, YCD+21]. **Bent** [KCPFT02]. **Bent-Double** [KCPFT02]. **Beowulf** [Gob05, VGM+09]. **Best** [ACG+20, BBC+11, CJL+18, DE17, For16a, NRG+17, Tou00, Beh05, Ano19-31, Ano19-32]. **Better** [Ano17x, Ano17y, Ano17z, Ano17-27, GAB+22, Gor07a, Lan06, Wil06, Ano17-28]. **Between** [BHKW03, MGD+08, Rei21a, Rei21b, GRE99, OW01]. **Beyond** [Cus13, Her24, Lof03, Mei03, Pie04, SFC07, Sin18, The03, Thi11a, dSRT16, Ano18j]. **Big** [AAB+21, AHS11, Ano14-44, Ano16z, Ano16-27, Ano16-28, Ano16-29, Ano16-38, Ano16-37, Ano18-27, Ano20j, Ano21m, Ano21n, Ano21o, Ano21p, Ano21q, Ano21x, Ano22q, BKK15, Bre17, Cus13, Day13d, HP15, Kus07, Lew01b, LL18, MKM+14, Pos16, SAK+13, WCAL14, WLL+14]. **Bilevel** [JG12]. **Billiards** [Bäc07b]. **Bills** [SW10]. **Binary** [Bez08, BVT+21, GBPR11, SETK05]. **Binary-Coded** [GBPR11]. **Bind** [Cot03]. **Binding** [TL04a, XDK+20]. **Bindings** [JPE20, LFN+11]. **Biochemistry** [PP20]. **Biocomputation** [KS02]. **Biodiversity** [DBCN03]. **Bioengineering** [CL01, Eth01]. **Bioinformatics** [GL08, SF11]. **Biological** [Bor02, GW15, Gor06a, MHK+06, SMSC22, TLR10, dOMdO+04]. **Biologically** [For00]. **Biologists** [Kin16]. **Biology** [Cho06c, DV99, LA18, MPRU23, MS99, MGS07, Wep15]. **Biomechanical** [ZCXM99]. **Biomechanics** [VSE01]. **Biomedical** [FKB+13, Joh12, WZS+10]. **Biomolecular** [ABK+02, AM20, CR15]. **Bionic** [LQZL19]. **Biophysics** [Eth01]. **Bipartite** [XXK+02]. **Birds** [Gor06d]. **Bisexual** [Wri16]. **Bit** [TJ14]. **Bite** [Day07d]. **Bits** [Day07d]. **Black** [BkCP22, BVT+21, CHM+20b, CHM+20a, Day16d, PRCL+22, WMB20, Hig04]. **Blended** [LPB13]. **Blind** [O'L05e, O'L05d]. **Blockchain** [Di 17]. **Blocks** [TBM+19]. **Blogging** [Day13a]. **Blood** [GIF+12, Luo13]. **Bloom** [Sul05b]. **Blue** [Hsu06]. **Blur** [Day17c]. **Board** [Ano13k, Ano18-29, Ano19v, Ano20-50, Ano21-64, Ano21-65, Ano21-66, Ano21-67, Ano22-55, Ano22-56, Ano22-57, Ano22-58]. **Boards** [HRWS06]. **Bodies** [EVL+17, QSEQJFH20]. **Body** [MW14, Ron14, YB12]. **Boltzmann** [Bog03, SFSK01, WNZ+17]. **Bombs** [Day11d]. **Bond** [Day09b, JC02]. **Bone** [DZW+05]. **Book** [Ara99, BC02, Bar12, Bas14, Bil00, Cyb01, Fel00, Kwa17, Lov04, Lud13, McK00, Nai15, Seg99, Sha14, Sny13, Sul05a, Tur14b, Vog13]. **Books** [Ano10a, Ano11a, Ano11b, Ano12a, Bac10, CG08, Hai10, LC12, TCCC13]. **Boost** [Moo21, PK18]. **Boosting** [MHC+18]. **Borders** [HH99, Day11c]. **Boring** [Sul06b]. **Born** [Jon15, Sul06a]. **Bose** [KF03, STTV05]. **Bot** [Sul06c]. **Both** [BBC+11, O'L05f, Sma12]. **Bottleneck** [DPBS16]. **bottom** [LC12]. **Bottoms** [Che99]. **Bottoms-Up** [Che99]. **Bound** [BS02]. **Boundaries** [KSSF11]. **Boundary** [BS21, Moy06]. **Bounding** [Iac21]. **Boys** [WMB20]. **Brain** [Dub08a, Gor08b, GIF+12]. **Breakthrough** [McM09, Wol16]. **Breast** [Gig00]. **Bridge** [DLW+19, MGD+08, ZLTX19]. **Bridges** [MTG+12]. **Bridging** [Gyu99]. **Brief** [QL19]. **Bringing**

[MM13, Mei10, SSK13, VGD+11, YCD+21]. **Brittle** [RcK99]. **Broad** [Mes15]. **Broadband** [GHK+08, SKP+10]. **Broadened** [Cho06b]. **Broadening** [Slo16]. **Browser** [SSC18]. **Browsing** [Day11c]. **Bubbles** [Smi01a]. **Bugs** [Mil21]. **Build** [DEK03]. **Builder** [ASM+14]. **Building** [BBM+21, BDCT05, Den16, FIG+23, Gor07a, Kni05, Maj03, MKL+23, NCM+14, Roa04, TBM+19]. **Bundle** [Kra03]. **Burning** [HBB08]. **Bus** [SG10]. **Bushing** [Jq19]. **Business** [WY12]. **Butt** [JXY+19]. **Buying** [Day11a].

**C** [JPE20, CNC10, Cot03, DBNC+23, EGFL12, GRE99, HC99, PMM+08, RMX12, UZC+12, Zak18, Zhu16]. **C-to-CUDA** [UZC+12]. **Cached** [PE09]. **Caching** [DB21, XLLJ04]. **CAD** [SWDR22]. **CAD-Based** [SWDR22]. **Cafe** [Dub04]. **Calculating** [RLHGA+13]. **Calculations** [Eis17, Kyr08, WOAEAG10, dKCAY00]. **Calculators** [Got02a]. **CALL** [Ano21v, Ano13a, Ano14d, Ano14a, Ano14b, Ano14c, Ano14y, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15w, Ano16c, Ano16d, Ano16l, Ano16n, Ano16o, Ano16p, Ano17a, Ano17b, Ano17p, Ano18g, Ano18b, Ano20q, Ano20r, Ano20o, Ano20p, Ano20n, Ano20s, Ano20t, Ano20u, Ano20v, Ano20-36, Ano20-44, Ano20-45, Ano20-54, Ano21-29, Ano21-30, Ano21-31, Ano21-27, Ano21-28, Ano21y, Ano21z, Ano21-32, Ano21-33, Ano21-48, Ano21-53, Ano21-54, Ano21-55, Ano21-56, Ano21-57, Ano21-58, Ano22c, Ano22v, Ano22x, Ano22y, Ano22w, Ano22z, Ano22-41, Ano22-42, Ano22u, Ano23-32, Ano23-30, Ano23-33, Ano23-34, Ano23-31, Ano23-35, Ano23-57, Ano24a, Ano24g, Lat16]. **Calls** [Ano14u]. **Can** [Alt10, Bar11, Eng15, FLV+09, HGA23, Kus07, NO03, Roc00, Ste14, Sul99b, TM15]. **Canal** [yFZDY13]. **Cancer** [Bre17, Dub08a, Hei20]. **Candle** [OR12]. **Cannibalism** [O'L07a, O'L07b]. **Canonical** [GF04]. **Can't** [Ben09, DEK03]. **Capabilities** [Bas02, Tou01]. **Capability** [EDJ+10]. **Capstone** [DAKM16]. **Capture** [Dav12]. **Car** [Bei12c]. **Carbon** [CJ16, JXY+19, SMC01, TAM+14]. **Cards** [Azo06]. **Care** [Bei09b, Jef22]. **Career** [Ano19-28, Ano19-27, Ano20-57, Ano22-43, Ano23s, Ano23-40, Ano23-36, Ano23-37, Ano23-38, Ano23-39, Ano24h, CMK22, CHM+20b, CHM+20a, Dub07a, Ano16y]. **Careers** [Bot16, DVS22, GN08]. **Caring** [Hin12a]. **Carlo** [Ama06, BS06a, BS06b, BOS07, DCC10, Day13e, Eng09, EKCS12, Fel00, GH00, LSDP+04, Lui06, OASFLAB09, Ork09, PPE00, SWDR22, SG00, Sul17, VWP12]. **Carlo-Based** [VWP12]. **Carpentry** [Wil06]. **Cars** [Day16b]. **Case** [AHL+11, BBW+20, BAD+21, BDCT05, CDL+23, COS+15, DPBS16, DM12, DL23, DDV+08, FAFX20, GHM+16, HWVD23, Joh12, KMSH10, KPM10, Mas06, MB11, MR13, MM14, Mem16, MSS09, NCM+14, NC18, PSSP15, PHW+21, PBD+11, RPEB14, SDA20, SM17, Sch18, Sch20, Sch21, Sch23b, SLK+20, Sim13, SV14, Ste02, Tan21, WHH22]. **Cases** [SSW21]. **CasJobs** [LT08]. **CASP** [GHKZ17]. **Cast** [MHB+24]. **CASTEP** [STH22]. **Cat** [Bei12c]. **Catalog** [Tha08a, TSFG08]. **Catalonia** [FGG+22]. **Catalyst** [Rad21]. **Catalysts** [WPZ00]. **Catalytic** [VWP12]. **Catalyzing** [Par22]. **Cathode** [FMB+07]. **Causal** [SSP06]. **Cause** [LG10]. **Causes** [Dal99]. **Cautionary** [Ste12]. **Caveat** [DC04]. **Cavities** [LPV00]. **CDAT** [SPW+13]. **CDE** [Guo12]. **Celebration** [BTL19]. **Celebrities** [Day10e]. **Celestial** [Ono01]. **Cell** [CAS+07, CS15, DV99, Dec15, LWT+13, SÜP+11, YZC+13, CS14, GHK+08, SKP+10]. **Cell-Based** [SÜP+11]. **Cells** [BMCC21, CFA04, Has08]. **Cellular** [CS15, FL05, MT00, Sch20, Sch23c].

**Cellular-Automata** [MT00]. **Center** [Ano16q, Ano16r, Ano18s, Ano19u, Ano22-43, Ano23-36, Ano23-37, Ano23-38, NRG+17, NdS17, RF00, Sul99a, Ano23-40, Ano23-39, Ano24h, MOBD+22, WG15]. **Centered** [KPA+16, NSP12, SGRK+18]. **Centric** [DAKM16]. **Century** [Ano22-67, Ano23-64, Ano23-65, Ano23-66, Ano14-49, Ano22-66, Ric99]. **Cerebral** [Luo13]. **Certainty** [Sul01c]. **Certification** [KFMG20]. **CFD** [CCD+22, TGEA09]. **CG&A** [Ano14u]. **CGA** [Ano20w]. **Ch** [CNC10]. **Chain** [She07]. **Chains** [Ran06]. **Challenge** [Cyb00c, Dal99, Day10d, Day11c, Kal19, SRKS22]. **Challenges** [AHL+11, BLO+22, BCJK99, BB01, Das00, DPG+12, EUD15, GK22, GPL09, HL01, Joh12, KL15, Kog09, Kus07, MJM+06, Muh23, Pos10, SBH+00, TGP13, WPW11, YCD+21]. **Challenging** [Leu20]. **Chance** [Thi15b]. **Chancellor** [Day12c]. **Change** [Cho06b, DM12, EJ09, HGA23, Joh06, MKJ07, O'L06e, O'L06g, SDA20, WPW11, YCD+21]. **Changed** [Cho06d, DTL+17]. **Changes** [Bei11a, EKLY07, Got17, WM00]. **Changing** [CHH+13, KMB+19, Pos13, SLM12]. **Channel** [FGR+07, KLMS99]. **Chaos** [Bäc07b, Hin16, KB09, O'L07a, O'L07b]. **Chaotic** [Mar02]. **Characteristics** [Azo06, Biz16, OHK23, Rao16]. **Characterizing** [MB11]. **Charge** [YYL+18]. **Charles** [Ano16b, Ano18b, Ano22b, Day09a]. **Charts** [Bei11c]. **ChatGPT** [Guo23]. **Chatter** [Kus06a]. **Checkpointing** [DAEJ18]. **Chemical** [Bor02, FSD02, MM04, MDK16, Par16, Tof08, Tof09a, Tof09b]. **Chemistry** [BW14, Das00, GS03, HS03, IBPV03, PP20, Sch17b, SDD+08, TM00, UM08, WOAEAG10]. **Chemora** [SBB+15]. **Chess** [Hsu06]. **Chicago** [Ree16]. **Chief** [Ano22-59, Ano22-68, Ano23-67, Cyb99a]. **Chihuahua** [Day10a]. **Chile** [BB20]. **China** [JJZC10, QL19, YLCZ05]. **Chip** [For01]. **Chiplets** [VS23]. **Chiral** [Mal07b]. **Chirp** [Don06b]. **Choice** [Bea00]. **Choose** [Cou22, Ano16y]. **Chore** [Toh07]. **Christof** [Lov04]. **Chromodynamics** [Ale15, GHK+08]. **Cilk** [Rob13]. **Circuit** [For01, MAFM21, PGC21, WCC+19]. **Circulation** [YLR02]. **CiSE** [Ano05b, Ano09b, Ano10c, Ano11c, Ano11d, Ano16e, Bei10d, Che17a, Cho06f, Day12c, Don99, Gyu99, SCBT18, Thi11a, Thi13a, Thi14, Thi15a]. **CiSE-Reading** [Day12c]. **CiSEiest** [Day10c]. **Citation** [CGZ20, Dru20, HBG+20, HPC20, KHC+20, WBB+20]. **Citizen** [Chr15, COS+15, JJ15, Mem15, MSR15]. **Citizen-Based** [JJ15]. **CitScale** [LMC20]. **City** [LMC20]. **Clarify** [BMS99]. **Class** [Ron14]. **Classical** [RD05a]. **Classification** [LPY18, LPCY19, PSS20, ZLW+19]. **Classified** [MO03]. **Classifier** [DKCL14]. **Classifying** [KCPFT02]. **Classroom** [Mei10, SAC15]. **Classrooms** [NG20]. **Clearance** [YWMM04]. **Clearly** [NO03]. **Clerman** [Mol12]. **Cleve** [Mar99a]. **Click** [ERS+03]. **CLiiME** [NCM+14]. **Climate** [Bak21, Bal15, DPBS16, EJ09, EUD15, EAF+23, FKS15, GKG+15, Liu15, MSM13, Pie04, PD02, RRH+02, SPW+13, SBW+19, SNCT13, SS02, SKA+02, TM15, WPW11, WBS+22, WC15, YCD+21]. **Clojure** [KM12]. **Closer** [MM13]. **Cloth** [ZJW08]. **Cloud** [AAB+21, Ano13g, Ano14v, Ano14-47, Ano14-48, Ano15w, Ano16l, FPRK16, GB20, Gor08a, How12, JCPS14, KKO+20, KFS18, KILZ13, LHZ21, LGG+23, MB20b, MWC+16, PARD13, RVG+10, SSG16, SAK+13, Sul08b, Sul09a, Thi10, TP13, Tsa14, VPL18, WZZ11, EAF+23]. **Cloud-Based** [MWC+16, SSG16, SAK+13]. **Cloud-Enabled** [Thi10]. **Cloud-Native** [AAB+21, LGG+23]. **Cloud-Resolving** [WZZ11]. **CloudCast** [KILZ13]. **Clouds** [Joh09, LTD11]. **Cloudy** [SS09, Thi15b].

**Cluster** [BUS21, BDCT05, DD05, DD07, Gob05, HRAB05, HKW03, Lui06, SES+11, TFF05, Thi05]. **Clustered** [SSP06]. **Clustering** [HH99, KNV03, MO03, YCK03, Zhu02]. **Clusters** [BDCT05, DJS13, DSSS05, EKCS12]. **CMD** [BTL19]. **CMD-IT** [BTL19]. **CNNs** [LPY18]. **Co** [NRG+17]. **Co-Design** [NRG+17]. **Coal** [MRKK17]. **Coalition** [TGU21]. **Coarse** [BMCC21]. **Coarse-Grained** [BMCC21]. **Coat** [JC02]. **Coatings** [JC02]. **Code** [BJ02, Bar20b, BFH21, BW14, CGZ20, Dub21, GP21, Hin17c, Hin18d, KRR+12, KMSH10, KPM10, LVLA14, PKST08c, RGD13, RCD+00, Ter11, Van12, Wil06]. **Coded** [GBPR11]. **Codes** [Ben04, CDF+04, Dec15, ECK+15, KRR+12, Roa04, VMK20, WJLY08]. **Coding** [MAFM21]. **Coefficient** [XBK10]. **Coevolutionary** [Boe00]. **Coexistence** [Hus22]. **CoFlaVis** [MRKK17]. **Cognitive** [Fox18, Thi13b]. **Coherence** [Kus06a]. **Cohesive** [GGJD23]. **Cold** [FAFX20]. **Cold-Start** [FAFX20]. **Collaboration** [BLT+23, FL21, KE05, Les16, MK10, MHC+18, PRCL+22, SMS15]. **Collaborative** [CJL+18, GDDR16, HHR+13, PSR+20, STWK15, Tur14a, Weg00]. **Collaboratory** [MKH+23, PSR+20]. **Collage** [KRR+12]. **Collapse** [Hin19, MSS09, Ott16]. **Colleague** [Ano19-38]. **Collection** [JJ15]. **College** [CHM+20b, CHM+20a]. **Colleges** [SL18]. **Collegeville** [Her21, HCK22]. **Collision** [SSK02]. **Colloids** [Day13e]. **Colony** [CS14, CS15]. **Color** [Oli13, Smi16]. **Color-Vision-Deficient** [Oli13]. **Colormaps** [Thy20]. **combination** [Ano16e]. **Combinatorial** [GRS08]. **Combinatorics** [BS08, Gut01]. **Combine** [Gia22]. **Combustion** [AMCH07]. **Come** [Day18b, Gar06, Sul10b]. **Comes** [DS23, GM06, Sul02b]. **Coming** [CW05e, Cho08c, Gor08a, Kra15, OM03]. **Commends** [Ano12b]. **Commentary** [CHM+20b, CHM+20a]. **Committee** [Ano18z, Ano19y]. **Common** [OS04]. **Commons** [GHM+16]. **Communication** [BC99, GDH+23]. **Communications** [HOÖ99]. **Communities** [FIG+23, GZC14, PS17, TTT15]. **Community** [ABM+22, BBM+21, Chu21, Den16, ESO08, Fom15, GSK+23, GPMSC20, HPC20, KMB+19, MKL+23, PMP21, PK18, RBC+19, SGRK+18, TS10, VGD+11, WDC18, WBB+20]. **Community-Cyberinfrastructure-Enabled** [ESO08]. **Company** [Ano15h]. **Comparative** [AAH+08, DLLM04]. **Comparing** [HBG+20, JRD+13, Mis02, Sil02]. **Comparison** [Mus20]. **Comparisons** [Eng09]. **Compartmental** [PHW+21]. **Compatible** [Bri23]. **Compendium** [Ome06]. **Competition** [SS06]. **Competitive** [Mil10]. **Compilation** [AE22]. **Compiled** [Dub00]. **Compiler** [Pad00]. **Complete** [Sch07]. **Complex** [BNNM04, BMS99, Don03, Ebr10, GF04, HHR02, LSDP+04, LL11, Naj08, Nob07, Par00b, PSA14, SZM+13, SBZB13, SKC05, TB11, TX07, Var08]. **Complexity** [Mer02, Sul00a]. **Component** [OMKdSB11]. **Components** [Dub02, Lan19, SL99]. **Composable** [Rob13]. **Compose** [Day11e]. **Composite** [JXY+19, SGW02]. **Composition** [AMCL+23, YEC+19, ZL09]. **Comprehensive** [PGF+15, Tes15, TBVP+21, WSG24]. **Compressing** [Ama00]. **Compression** [SSP06]. **Compressors** [GvdWT07]. **COMPSAC** [Ano19d, Ano19e, Ano20x, Ano20y]. **Computability** [Lau02]. **Computation** [Bai05, BC99, BSD07, Cho09a, Cho12, CS01a, Day07a, HLS+16, Hin20b, Hu07, Kar99, Kin16, Kir03, KRH+99, LG10, Liu11,

Mei10, Ott16, PBSS14, PS02, Raf16, Rei02, SSC18, SJDV09, Ste00, Sul99b, TFF05, TB99, Win06, YMK11, vdWCV11].
**Computation-Based** [HLS+16].
**Computational**
[AM18, Adl20, Aya07, Aya14, Bäc07a, Bar19, Bar20a, Bar21b, Bar21a, BLMR21, BW14, BHV21, BERT09, CK09, CL14, Car09a, Car12, CE14, CHC17, CB02, Chu21, CG09, Cyb99a, DSPY05, Dal99, Das00, Dav12, Day06b, Day11b, Day12a, DV99, DL00, DD23, DM12, DPG+12, DMR+09, DG12, Ebr10, EI11, FKD21, FGHW20, FG01, Fox02a, FKSS08, FWGB07, GC00, GPL09, Gor10, GCV08, Gor13, Got14b, GL20, HS03, HL01, Hei22, Hei20, Hin15a, Hin15b, Hin17c, Hin23, HG00, HPMJ12, HMB+14, JHJ01, JH18, KLS01, KHS09, KSP12, KSM+17, KLMS99, Lan04, Lan06, LC09, LPB13, LPB15, LHN+12, LA18, LNI+19, LWSK07, LM07b, MM12, MPR18, Mar17, Mas06, MK10, MB11, MR13, MM14, Mem16, Mer02, MS99, MB17, MB20b, Mes15, MCGA22, Mil17, MHC+18, MS07, Naj08, NMCM22].
**Computational**
[NL99, O'L06a, Oug03, PARD13, Par12, PLH+18, Pat02, PP20, PQQ20, PGH+05, Pos07, Pos09, Pos10, PG17, Ric99, Roo06, RHC+23, Run00, RF12, SH10, SBH+00, Sch15, Sch17b, SM17, SGA03, SDD+08, ST08, Sim13, SV14, SK01, SR13, SMC01, STB03, SMS15, Sul03a, Sul04a, TGP+06, TB11, TK06, Tes15, TAHP23, Tha14, Thi02, TB04, Thi09a, THLK10, Thi13a, Thi15c, TX08, TS10, TGU21, THGS07, TP04, TM00, Tur14a, VGD+11, VB22, Vir16, VSE01, WHG21, WPW11, WM00, Wep08, WL09, WCH12, YRT+00, YMLJ06, YM14, Yas17a, Day12e, PAN+16a, PNL+16].
**Computationally**
[LCG+20, Sch07, SYM+21]. **Computations**
[Bar20b, DM04, DKK05, FK23, FS12, Ful06, GBDW04, Mus20, PE09, SKC00, VCvdG+09, Wat21]. **Compute**
[Day09b, HRWS06, Has08, HRRS09, Sul06a].
**Computer**
[AAGH17a, AAGH17b, Ano13i, Ano13h, Ano14z, Ano14-29, Ano14w, Ano14-27, Ano14y, Ano14x, Ano14-28, Ano15x, Ano15y, Ano15z, Ano15-27, Ano16t, Ano16q, Ano16u, Ano16r, Ano16z, Ano16v, Ano16n, Ano16s, Ano16-27, Ano16w, Ano16o, Ano16x, Ano16p, Ano16m, Ano16y, Ano17o, Ano17j, Ano17k, Ano17l, Ano17m, Ano17p, Ano17n, Ano17-31, Ano18t, Ano18u, Ano18v, Ano18w, Ano18x, Ano18s, Ano18r, Ano19t, Ano19u, Ano19n, Ano19o, Ano19p, Ano19q, Ano19r, Ano19v, Ano19s, Ano20z, Ano20-33, Ano20-34, Ano20-35, Ano20f, Ano20-46, Ano20-38, Ano20-39, Ano20-47, Ano20-51, Ano20-40, Ano20-48, Ano20-52, Ano20-41, Ano20-49, Ano20-44, Ano20-42, Ano20-43, Ano20-45, Ano20-53, Ano20-50, Ano21-42, Ano21-43, Ano21-44, Ano21-40, Ano21-41, Ano21-45, Ano21l, Ano21-49, Ano21-64].
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**Computer**
[Ano24h, Ass00, BCE+22, BMP+06, BT10b,

Boe00, BkCP22, CDL+23, CBF+22, CF99a, CSS00, Day06c, Day17a, Dec15, FL99, FM02, FGP99, Gig00, GPMSC20, Gor08b, GH00, HHR02, HT99, HGA23, Jav12, JS99, Kad04, KS00, KS13, KPD+99, KBPW15, LDAS19, LSBC22, Les16, Lew02b, LWT+13, LPV00, Los03, MMTD+17, MB99, New00, OW01, O'L06b, PKST08a, PKST08b, PKST08c, PA21, PR01, Ran06, Ree16, Saa09, SDA20, SW10, Sca16, Sch14, Sch15, SS06, Shi01b, Slo16, TS02, TNR+23, Tre99, Var08, Vla12, WHH22, WMB20, WCP17, dKCAY00, Mat05, Ano18y, Ano19-29, Ano19-30, Ano22-27, Wil01, Ano20a, Ano20-72, Ano21a, Ano21b, Sny13]. **Computer-Aided** [Ass00, Day17a, Gig00, JS99, Lew02b]. **Computer-Based** [KBPW15]. **Computer-Guided** [BT10b]. **Computer-Simulated** [Tre99]. **Computers** [Ano15b, Bal17, CL01, Cra03, Cre99, Day12d, Day16b, Dun09, FHM99, GS13b, JT01, McC21, PSA14, SDA+14, WSY+22, Ano20u, Ano20v, Ano21-32, Ano21-33, Ano21r, Ano23m, Ano24c]. **Computing** [ABM+24, Akl18, AE22, Ale18, Amo18, AMS14, Ano13b, Ano17c, Ano18-41, Ano19x, Ano23o, Ano23p, Ano23q, Ano23r, Ano23i, Bak10, BFF12, Bal15, Bal99, BT17, BKRT21, BPW+20, BTL19, Bar21c, BCH+09, BMC99, BS99b, BS99a, BS00a, BS00b, BS08, BST+06, BCC+09, Bit24, Biz16, BT01, Bog05, BC05a, BC05b, BCJK99, BB01, BCH+22, BHC+15, BBM+21, Bry11, CDL+23, CHB19, CR15, CF99b, CN03, Che15, Che16, Che17b, CHJC05, Cho06d, Cho06g, CNC10, CG09, CW20, CT00, CHM+20b, CHM+20a, Cyb02, DD05, Dau99, DCWH07, Day06a, Day07c, Day13b, Day15e, Day17d, Den16, DMXR+14, DW01, DSSS05, DTL+17, DRR+04, DKWL17, DMT+21, Dub22, ES18, EDJ+10, EHG01, FKS15, FLV+09, FM13, For00, FG01, Fox01, Fox02b, Fox03b, Fox03c, Fra02, FPRK16, GHT+10, GRS08, GB20, GHK+08, Gor05a]. **Computing** [Gor06a, Gor07b, Gor07d, Got06, GS13a, Got14a, Got15, Got16, Got17, Gro09, HP14a, HP14b, HP20, HLRW17, HC99, Har23, HRAB05, HJLH03, HB08, HGV+08, Hig04, Hin17b, Hin18c, HG02, HP04, HPMJ12, How12, JH16, Jef22, JR10, JLNR19, JCC+10, Joh12, JPMG08, JON+21, KKO+20, KM99, KT08, KFS18, Kel10, KSB07, KTG08, Kin09, KWB+10, KT11, Kin12, KS13, KLQ19, KILZ13, Kup03, KBLD08, Lan19, LMPV13, LM08, Lat16, LUMM14, LA18, LSBC22, Lew02c, Lew02a, LZZ17, LAY04, Lun01, MP09, MS22, MB20a, MWE08, MR06, MMTD+17, MF23, Men18, Mes17, MMG08, MKM+14, Muc09, MSD10, NG20, NC03, Nob00a, Oli07, Osk07, PGF+15, Pap16, Par22, PA12, PLW17, PG07, PGH11, PMP21, Pos11, Pos13, QL19, Rag07, Ram18, RVG+10, SA08a, SA08b, SBZ+08, SBB+15]. **Computing** [SKC02, SBW+19, SRKS22, Sch18, Sha14, SES+11, SL99, SOH13, Smi00a, Smi16, SKA+02, SS09, SLM12, Sto12, SGS10, Str10, SJF+23, ST99, Sul09a, Sza11, Ter11, Thi05, Thi09b, TP13, Tho99a, Tho99b, Tho00, Tho01, Tow18, TBVP+21, Tsa14, VB08, VPL18, VGD+11, VM15, VS23, WCGB05, WCAL14, WBP+19, WG15, WBS+22, WR00, Wes21, Wri16, YLZ17, ZFS12, ZGR+17, ZAF+01, Beh05, Ano03, Ano05a, Ano12b, Ano13g, Ano14v, Ano15w, Ano16l, Ano16-30, Ano18-28, Ano19a, Ano19b, Ano20q, Ano20r, Ano20b, Ano20c, Ano20g, Ano20m, Ano20k, Ano20l, Ano21-29, Ano21-30, Ano21-31, Ano21i, Ano21j, Ano21k, Ano21s, Ano21t, Ano21u, Ano22v, Ano22d, Ano22e, Ano22f, Ano22i, Ano22j, Ano22r, Ano22s, Ano22t, Ano23a, Ano23b, Ano23c, Ano23d]. **Computing** [Ano23e, Ano23f, Ano23j, Ano23n, Ano24b, Ano24d]. **ComputingEdge** [Ano20d, Ano20e, Ano21c, Ano21d, Ano21e,

Ano21f, Ano21g, Ano21h, Ano22g, Ano22h]. **Concepts** [BFS04, DR05c, HW15, PL02, Sch23a]. **Conceptual** [Ikk16]. **Conceptualization** [CGK+18]. **Concern** [CGZ20]. **Concurrency** [DS12, Vin12]. **Concurrent** [ZL09]. **Condensates** [KF03, STTV05]. **Condensed** [IBPV03]. **Condensed-Phase** [IBPV03]. **Condition** [GYJL20]. **Conditions** [Dar18, Moy06]. **Condor** [KMSH10]. **Conference** [Ano13c, Ano22w, Ano22a, OW01, RHC+23, Ano15b]. **Conferences** [Ano15i, BTL19, Dau99, HGA23]. **Confidence** [DTA21]. **Confidence-Guided** [DTA21]. **Configuration** [Gob05, JS99, MWE08]. **Conformational** [BH02]. **Congenital** [yFZDY13]. **Congress** [Ano19z]. **Conjecture** [Rei21a, Rei21b]. **Connected** [Ano19f, Ano19-40, Ano15-45, Ano18-45, Ano19-39, Ano20-64]. **Connecting** [MBB+22]. **Connection** [Com99]. **Conquer** [O'L04e]. **Consciences** [Day18a]. **Consciousness** [KNKP14]. **Consensus** [SETK05, YYL+18]. **Conservation** [AM05]. **Considerations** [SNCM16]. **Considered** [LGJ+19, TLG06]. **Consilience** [Kal99]. **Consortium** [BCH+22, HP20]. **Constellation** [Lo99]. **Constellations** [DSSS05]. **Constituents** [FSD02]. **Constrained** [XXK+02]. **Constructive** [FL21]. **Consultants** [Sch23a]. **Consumer** [DC04]. **Consumption** [SPJ+14]. **Contact** [BW01]. **Containers** [HLRW17]. **Containment** [FGG+22, ZSM+22]. **Contend** [Sul05b]. **Content** [Hin20a, TL04b, XLLJ04]. **Content-Addressable** [Hin20a]. **Contents** [Ano14-50, Ano14-51, Ano14-53, Ano15-47, Ano16-41, Ano16-42, Ano16-43, Ano16-44, Ano16-45, Ano16-46, Ano17-37, Ano17-32, Ano17-33, Ano17-34, Ano17-36, Ano18-47, Ano18-48, Ano18-49, Ano18-50, Ano18-51, Ano18-52, Ano19-41, Ano19-42, Ano19-44, Ano19-45, Ano19-46, Ano20-70, Ano20-66, Ano20-67, Ano20-68, Ano20-69, Ano21-75, Ano21-76, Ano21-77, Ano21-78, Ano21-79, Ano21-80, Ano22-69, Ano22-70, Ano22-71, Ano22-72, Ano22-73, Ano22-74, Ano23-68, Ano23-69, Ano23-70, Ano23-71, Ano23-72, Ano23-73, Ano24n, Ano13q, Ano13r, Ano14-52, Ano14-54, Ano15-46, Ano17-35, Ano19-43, Ano20-65]. **Contest** [Don99, LSV+07, MHDM99]. **Context** [Dav12, GHKZ17, Luo12]. **Context-Aware** [GHKZ17]. **Contextual** [MF23]. **Contingency** [Bez08]. **Continuing** [ERF21]. **Continuous** [ABM+24, GK22]. **Continuum** [GIF+12]. **Contour** [GMPR11, ZDW+07]. **Contours** [QPCJ07]. **Contradictions** [Dub07a]. **Contribution** [HH22, MMG+05]. **Control** [BHL99, Bet99, CXC+20, Cho08g, Day14b, DDV+08, EHG01, HAB17, HLT09, KB07, LCC+19, OS03, PLW17, RSC+14, SZM+13, Var08, YMHQ19]. **Controlling** [RcK99, SGW02]. **Convection** [MGZ00]. **Convective** [CFA04]. **Convenient** [CC99]. **Converge** [DKWL17]. **Convergence** [HF04]. **Convergent** [ERF21, XBK10]. **Conversations** [Cho12]. **Conversions** [CY00]. **Convex** [Muc09]. **Convey** [Bak10]. **Convolutional** [ZZC+19]. **Convolutions** [DR05a]. **Cooperating** [PGH+05]. **Cooperation** [Day13c]. **Coordinates** [HW15, Vor01a]. **Coordination** [YYL+18]. **Cope** [HHR02]. **Coprocessors** [BHC+15]. **Copyright** [Sto09]. **Core** [Ano16-47, Ano16-48, BFL+22, CWOL11, GHKR11, HKB12, MSS09, Ott16, Pes03, HKB12]. **Core-Collapse** [Ott16]. **Cores** [ZSM+22]. **Corneal** [VSG+02]. **Corner** [CF99a, CF99b, Che99, CY00, CYW01, DADY15, LRRK00, Weg00, ZCXM99]. **Corps** [Den16]. **Correction** [Nan11]. **Corrections** [CHM+20b, DLLZ20, RSZ+21]. **Correctness** [CRDO16, Dub05b, Fos17]. **Correlated** [WOAEAG10]. **Correlation**

[FM19]. **Cosmic** [BCJK99, BKK15]. **Cosmological** [MRU+15]. **Cosmology** [AAH+08, Bry99, CDKF15, Jon15, TB99, Wei21]. **Cost** [CJTH+13, JPK01, SW10, TS02]. **Cost-Effective** [TS02]. **Costa** [Men18]. **Costs** [BHL99, RLHGA+13]. **Could** [Gor07d, Peg12, Smi01a, WJ04]. **Counted** [Dub05a]. **Counting** [BOS07, Bei12a, Fen06, SSCN11, Cho08d]. **Countries** [AM18]. **Coupled** [CBS14, DLW+19, GIF+12, JSNR11]. **Coupling** [CFCD04, STG11, ZLTX19]. **Course** [Ass00, Aya07, Bog05, GDDR16]. **Courses** [BB20, Cho06d, Ful06, GL08, Pes03, Win06]. **Courseware** [Thi12a]. **CoV** [FGG+22, XDK+20]. **Cover** [Ano14n, Ano14o, Ano14q, Ano14s, Ano15r, Ano15n, Ano15o, Ano15p, Ano15q, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano16k, Ano17i, Ano17e, Ano17f, Ano17g, Ano17h, Ano18o, Ano18k, Ano18l, Ano18m, Ano18n, Ano19g, Ano19h, Ano19i, Ano19k, Ano19l, Ano19m, Ano20-32, Ano20-28, Ano20-29, Ano20-30, Ano20-31, Ano21-34, Ano21-35, Ano21-37, Ano22-29, Ano22-30, Ano22-31, Ano22-32, Ano22-33, Ano23t, Ano23u, Ano23v, Ano23w, Ano23x, Ano23y, Ano24e, Ano13f, Ano14p, Ano14r, Ano15m, Ano19j, Ano20-27, Ano21-36, Ano21-38, Ano21-39, Ano22-28]. **Covered** [Ano20-46, Ano20-47, Ano20-48, Ano20-49, Ano21-59, Ano21-60, Ano21-61, Ano21-62, Ano21-63, Ano22-48, Ano22-49, Ano22-50, Ano22-51, Ano23-43, Ano23-44, Ano23-45, Ano23-46, Ano23-47, Ano24j]. **COVID** [AM20, BPMKC21, BCH+22, Com20, FGHW20, HP20, Jef21, KKO+20, PHW+21, PQQ20, TGU21, VSB+21, WHG21, Wes21]. **COVID-19** [AM20, BPMKC21, BCH+22, Com20, FGHW20, HP20, Jef21, KKO+20, PHW+21, PQQ20, TGU21, VSB+21, WHG21, Wes21]. **CPU** [EH22]. **CPUG** [Lan04]. **CPUs** [Alt10, AAAH+16, WJLY08]. **Cracks** [Mar99b]. **Craigslist** [Day08b]. **Crash** [Bog05, YAA+00]. **CREATE** [HWPS16, PAN+16a, PNL+16, Deb18, Hin16, HLS+16, KPA+16, KVP+16, KVP+17, LGW+17, PAN+16b, PS17, WQT+16]. **CREATE-AV** [HWPS16, HLS+16]. **CREATE-GV** [LGW+17]. **CREATE-SH** [WQT+16]. **Creating** [ABM+24, Guo12, OASFLAB09, SL18, Tof09a]. **Creation** [PI16]. **Creativity** [Day14b, Sch99]. **Crevasse** [GGJD23]. **Crisis** [Day17b]. **Critical** [Lan99, Run03, Ste99]. **Cross** [DKK05]. **Cross-Site** [DKK05]. **Crossing** [Gue18]. **Crosstalk** [Cho12]. **Crosswell** [CL14]. **Crowdsourcing** [PSSP15]. **Crucial** [Smi01b]. **Cruising** [Lew99a]. **Crunched** [Peg12]. **Crunching** [KM12, Peg12]. **Cryoelectron** [FL05]. **Cryospheric** [DM12]. **Crystals** [CCPS12, Mal07a, Mal07b]. **CS** [Ano15-36, Ano16b, Ano18b, Ano22b, Ano14-55, Ano14-56, Ano15-35, Ano15-48, Ano15-49, Ano18-30, Bei12d, MDK16]. **CSE** [Bea00, BB06, Bet99, Car09b, Haa99, WLCD01, YAA+00]. **CSGF** [Rad21]. **CSIFT** [LPCY19]. **cT** [Shi00c]. **Cuban** [CE18]. **Cubes** [DSC+09, WY12]. **Cuckoo** [FAFX20]. **CUDA** [DLLZ20, DLLZ19, UZC+12, Vog13]. **CUDA-Based** [DLLZ20, DLLZ19]. **Cultivating** [vGDS18]. **Culturally** [NG20]. **Culture** [BBM+21, Cyb99a, KMB+19, SLM12]. **Curb** [Sul08a]. **Curettage** [LWT+13]. **Current** [CCJ04, LCC+19, MBB+22]. **Curricular** [BCB07, CBB06, Joh06]. **Curriculum** [AAGH17a, AAGH17b, Got17, HC17, LG10, TK06]. **Curve** [LWG19, LL19]. **Curvelets** [HH06, MP09]. **Customer** [Dub07b]. **Customized** [TGEA09]. **Cut** [BS09]. **Cutting** [Bea00]. **Cyber** [SKL10]. **Cyber-Enabled** [SKL10].

**Cyberinfrastructure** [ESO08, HEB+11, OHK23, PSR+20, RP20, SMS15]. **Cyberplatform** [CHP+18]. **Cybersecurity** [Ano14-45, Ano14-46, Ano15-43, Ano15-40, Ano15-41, Ano15-42]. **Cycles** [Ome06]. **Cycling** [OSM+19]. **Cyclone** [DRA11, SNTL13, SNCT13]. **Cython** [BBC+11].

**D** [Ano14y, Ano20-36, Ano21-47, Ano21-48, Sny13, Ama00, Ano15-38, Ano15-39, BB07, CCSS08, CFA04, CY00, CHC+11, CS14, CS15, DiP18b, GWA+07, HMA00, HL00, Hun07, LWF10, MJAK09, OMKdSB11, RV11, SDS00, SYP08, SGA+22, Sul02c, WNZ+17, Weg00, XHL+13, YWC02, YCK03, YCKK03, YaL10, ZZPC06, ZDW+07, ZCXM99]. **D&I** [Ano22-44, Ano22-45, Ano22-46, Ano22-47, Ano23-41, Ano24i, Ano23-42]. **D4Science** [CCP23]. **Damage** [BP99, MSR+16]. **Dantzig** [Nas00, O'L05b]. **Darnedest** [Dub07b]. **Data** [AAB+21, AHL+11, AMCH07, ALH+20, AHS11, Ama00, Ano14-44, Ano16z, Ano16-27, Ano16-38, Ano16-37, Azo06, Bak21, Ben09, Ber99, BAD+21, BT01, BCG+99, BKK15, Bre17, BBM+21, Bry11, BCC+99, Bur18, CCSS08, CDL+23, CF03, Cas16, CHP+18, CHB19, CN03, CHC+11, Chi21, CS18, Chr15, CC99, Col18, Com20, CSR+23, Cus13, CF13, Cus14, DVP+17, DPBS16, DBH+02, DM12, DH12, DDC04, Dra00, EUD15, EAF+23, EWN+13, EPHY18, Fei05, FAFX20, Fox03a, FB04, Gal11, GP15, Gor06d, GP21, GM02, GHM+16, GNB+09, HP15, Har04a, HW15, HKW03, Hin12a, HE05, HPMJ12, HSJ+19, IKMK13, JJ15, JMEL08, JON+21, KWT99, KL15, Kar02, KHC+20, KS20, LL18, Ma03, MRU+15, MAFM21, MM13, MO03, MR13, MGD+08, MSR15, NKV99, NC03, Nei08, NCB+05, NSLD99, PARD13, PT14]. **Data** [PSR+20, PCY14, PLW17, PFS21, PGH+05, Poi10, PTH13, Pos16, QRP22, RV11, RBK02, RP20, SSP06, SYM+21, SDCV10, SKNV03, SRM+07, SCW+17, Shi01a, Shn06, SAK+13, SR13, SPB+20, STG08, Sza11, TAF+18, TML+23, TR08, TL04a, Thi12b, TNV+02, VGM+09, Vil08, VCGS11, Vor01a, WY12, WCAL14, WLL+14, Wan18, WJ04, Weg00, WZZ11, WGJ16, YKD+03, YBBP15, ZMM03, dSRT16, IK05, Ano16-28, Ano16-29, Ano18-27, Ano20j, Ano21m, Ano21n, Ano21o, Ano21p, Ano21q, Ano21x, Ano22q]. **Data-Compression** [SSP06]. **Data-Driven** [Col18, PSR+20, PGH+05]. **Data-Enabled** [PARD13]. **Data-Intensive** [AHL+11, Bry11, HPMJ12, NCB+05, Sza11]. **Data-Loading** [STG08]. **Data-Management** [NKV99]. **Data-Proximate** [JON+21]. **Data-Scarce** [RBK02]. **Database** [BO03, Gaa03, IKMK13, Sch01, Smi99f, STM99, SBZB13, TSFG08]. **Databases** [Cho03, CC03, HBG+20, Lew00a, TDT+22, TSKG03, GGD+05, KBLE15]. **DataCenterHub** [CHP+18]. **Dataflow** [EVA+21, PA12]. **DataPort** [Ano19w]. **Datasets** [BBW+20, DLLZ19, DLLZ20, Luo12, RRN20, SPW+13]. **DataSpace** [GM02]. **Datoviz** [RR21]. **Dawn** [LA18]. **Day** [Wil16]. **Daydreaming** [Hin13a]. **Days** [Day15b, Sha14, CED+21]. **dbX** [SDCV10]. **Dealing** [Bei02, Hin19]. **Death** [Cyb00b, Day07b]. **Deblurring** [CO15, NO03]. **Debris** [JJ15]. **Debt** [Hin15b]. **Debugging** [HMB+14]. **Decimal** [GBPR11]. **Decimation** [PCY14]. **Decision** [LLQ18, RSZ+20, RSZ+21, TGU21]. **Decision-Making** [LLQ18, RSZ+20, RSZ+21]. **Decisions** [Asr04, MBH14]. **Decoding** [WW17]. **Decomposition** [FSED10, SCW+17]. **Decompositional** [Ste00]. **Decompositions** [GW15]. **Deconvolution** [O'L05e, O'L05d]. **Deep** [NWP19, NSLD99, Hsu06]. **Defect** [LWT+13]. **Defense** [HG02, OKS10, Pos07, PS17, PK18, Bar21c].

**Deficient** [Oli13]. **Define** [HH99]. **Defined** [Smi99c]. **Defining** [COS+15]. **Definition** [SB00]. **Deformations** [YCKK03]. **Deformed** [CCPS12]. **Degeneracy** [Bei02]. **Degradation** [LGJ+19]. **Degree** [Lan04, LGJ+19, Peo20]. **Delays** [BPMKC21]. **Deleted** [Smi99f]. **Delineations** [MF23]. **Delivered** [Her24]. **Delivering** [GGHM24, MWC+16, Wil16]. **Delivery** [Goo17, Her24, QRP22, Sil02]. **Dell** [Kra03]. **Demise** [Day11c]. **Democratizing** [QRP22]. **Demographic** [MF23]. **Demultiplexer** [GBPR11]. **Demystified** [Thi13a]. **Denoising** [HH06, Tas00]. **Dense** [VCvdG+09]. **Density** [ZMM03]. **Department** [ABM+24, LTD11, Leu17, Pos07, Bar21c]. **Dependencies** [Dru20]. **Dependent** [BMCC21]. **Deploying** [GJP24, JWLG14]. **Deployment** [BHC+15]. **Depth** [Wep08]. **Derivative** [Rei21a, Rei21b]. **Derived** [PMM+08]. **Derminant** [BS00b]. **Description** [AWHD23, PMFM14]. **Descriptions** [Eng09]. **Deserve** [Ano16s]. **Design** [BKB20, Cho08g, DAKM16, Don03, Dub21, For01, Fra07, Gor06a, Ikk16, Jer13, JS99, KFS18, KB07, Kwa17, Lo99, Lun01, MSS09, NRG+17, PAN+16b, QSEQJFH20, SNCM16, SLK+20, She07, SGRK+18, TJ14, WW17, WQT+16, XZL+19]. **Designing** [BS21, DD07, Dub02, GW15, KWBB22, SGW02, WZS+10, ZFS12]. **Designs** [FMB+07, SW10]. **Desktop** [PR01, TS02]. **Desorption** [KM99]. **Destination** [WBS+22]. **Detect** [KSSF11]. **Detection** [Bai00, DM12, HEH+10, HSJ+19, LM07a, LL19, TMMB18, WCC+19]. **Detectives** [Gor05b]. **Determining** [BS00b, CRNO23]. **Deterministic** [CL12]. **Detonations** [BPH+13]. **Develop** [ARAG19, SGRK+18]. **Developed** [KMB+19]. **Developers** [KKKM23]. **Developing** [AM18, JWLG14, KB09, KB04, MPR18, RRAB06, WD06, YBD10]. **Development** [ABM+24, ABC+14, BB20, BW14, CCP23, CAS+07, DF21, DGK16, Fox04b, GPMSC20, Gyu99, Hin13c, KMSH10, KVP+16, Läu08, MOBD+22, MBB+09, NCM+14, NC18, Peo20, Pos14, PK18, PBD+11, PMW20, QL19, Saa22, STWK15, SHPL12, SPJ+14, WSG24, MMG+05]. **Developmental** [SLK+20]. **Developments** [SS06]. **Device** [HRRS09]. **Devices** [KL10, YLZ17, Zhu02]. **DEVS** [Zei17]. **DFT** [Lew10]. **Diagnosing** [DRA11]. **Diagnosis** [Gig00]. **Diagnostic** [WZS+10, WCC+19]. **Dialog** [FL21]. **Diamond** [CJ16]. **Diamond-Like** [CJ16]. **Dictionary** [GDH+23, WLL+14]. **Did** [Day18b, Hin20b, TL08a]. **Diego** [LC09]. **Difference** [Bar11, HLYQ19, Smi01b, UZC+12]. **Differences** [O'L05g, SRM+07, WCP17]. **Different** [AK04, SL18, Wep15]. **Differential** [GWW09, JWEK06, JHJ01, Lud13, MSL+07, MW14]. **Differentiated** [MF23]. **Difficult** [Hin15a]. **Diffraction** [Tre99]. **Diffuse** [SGA03]. **Diffusion** [Mal07b, OHK23, WLCD01]. **Digging** [Thi12b]. **Digital** [Ano13d, Ano14e, Ano14f, Ano14g, Ano14h, BLT+23, Cho08c, CSR+23, Gar06, Gor05b, HBG+20, LVWK02, Lew99a, ML02, Mas06, Nei08, Sza99, TML+23, Tha08b, Thi15a, Toh08]. **Dimension** [ARO+11, GYL+17, Nob00b, SL03, Vor01a, dSRT16]. **Dimensional** [BBW+20, CN03, CS18, GWMG04, HKW03, Maj03, MB99, NC03, Shn06, SR13, dSRT16]. **Dimensionality** [JG12, Vil08]. **Dinosaurs** [Lew02b]. **Direct** [Bet99, CCSS08, CXC+20, HSG03, O'L05c]. **Directed** [PL02]. **Directed-Energy** [PL02]. **Direction** [OM03]. **Direction-of-Arrival** [OM03]. **Directions** [DSSS05, GB20]. **Directives** [BBG+01]. **Disabilities** [SLK+20]. **Disaster** [WPM+12]. **Disasters** [FCT+10]. **Disbelief** [Sul01d]. **Disciplinary** [Biz16, PV00]. **Disciplines** [Cyb00b]. **Discontinuous** [YLZ+19]. **Discourage**

[Bot16]. **Discovering** [Chi21, LSPN21, MSM13]. **Discovery** [CJ16, ESO08, JWLG14, LFK+19, Lun01, Men18, QRP22, SSP06, SAA23, TWE14, TCD+14, WBB+20]. **Discrete** [BPMKC21, Cas16, Gra07, JCC+10, JG13, NW15, Sch21, Sch23b, Wai16]. **Discrete-Event** [NW15]. **Discrete-Time** [BPMKC21]. **Discretization** [YLR02]. **Discriminant** [FOdLVF+11]. **Discussions** [Can99]. **Diseases** [Dal99]. **Disk** [ZMM03]. **Dislocation** [CCPS12]. **Disparate** [BHC+08]. **Dispersion** [PAF08]. **Display** [Toh08]. **Displays** [WJ04]. **Dissemination** [MK10]. **Dissimilar** [Has12]. **Dissipation** [PAF08]. **Distance** [Day07b, Luo12, SSCN11, Thi12a, WLCJ12]. **Distance-Based** [Luo12, WLCJ12]. **Distinguished** [Ano14-43]. **Distribute** [Reb99]. **Distributed** [DPP+01, DPG+12, GHT+10, MPP14, MKM+14, MSL02, PE09, PBD+11, SKA+02, YKD+03]. **Distributed-Memory** [DPP+01]. **Distribution** [BBM+15, SM17, XLLJ04]. **Distributions** [Tho01]. **District** [SDA20]. **District-Level** [SDA20]. **Diverse** [BLO+22, Deb18, MKL+23]. **Diversion** [LWF10]. **Diversity** [Akl18, Ano23p, Ano23q, Ano23r, BTL19, Cor07, HGA23, Leu17, Leu20, MF23, SL18, WBP+19]. **Dividing** [SB00]. **Diving** [NSLD99]. **Django** [Dub07c]. **DLR** [ERS+03]. **DNA** [Lew02c, Mye99, Rei02, SBH+00, WCH12]. **DO** [Day12f, Bar11, Day10b, Deb18, Has08, HGA23, Lew00a, Rag06, SHPL12, Sul02c, Thi13d]. **Docking** [NLGNJ13, WCH12]. **Docs** [Day09d]. **Document** [KHE13]. **Documentation** [PSSP15]. **Documents** [LVWK02, O'L14, SD11]. **DoD** [MM16]. **DOE** [AHL+11, BLMR21, BHV21]. **Does** [Deb18, MMTD+17]. **Doing** [Dar18, Thi09a]. **Domain** [CPdlF+12, DPBS16, Hin18c, JWLG14, Läu08, Oug03]. **Domain-Driven** [Läu08]. **Domain-Specific** [Hin18c, JWLG14]. **Domains** [RBK02]. **Donald** [Day10b]. **Done** [Alt10, Dub15b]. **Dongarra** [HH22, Par22]. **Don't** [Tho99a]. **Doors** [DiD03]. **Dorrit** [Day09c]. **Dot.com** [Smi00d]. **Double** [DMA+21, KCPFT02, OOB17]. **Down** [Sul02b]. **Downdating** [O'L06e, O'L06g]. **Downward** [Cho04]. **Drag** [LQZL19]. **Draper** [Day10b]. **Drawing** [Tof08, Tof09a, Tof09b]. **DRC** [Rei21a, Rei21b]. **Dream** [DG12, Hin17b, Sic09]. **Drinking** [Tha08b]. **Drive** [Ano23p, Ano23q, Ano23r]. **Driven** [APC+19, Cas16, Col18, Läu08, MKL+23, NCM+14, NC18, PSR+20, PCY14, PGH+05]. **Driving** [LL19]. **Droplets** [YZZ04]. **Drops** [BW01, MPR18]. **Drug** [KFS18, Lun01, Sch99]. **Drugs** [WZS+10]. **DSP** [TJ14]. **Dual** [KEF07]. **Dual-Lookup** [KEF07]. **Dual-Modality** [KEF07]. **Dubois** [Dub04]. **During** [Leu20, RSZ+20, RSZ+21]. **Dust** [CF99b]. **DVDs** [Kra03]. **Dwarf** [DMA+21]. **Dye** [KSW+12]. **Dye-Based** [KSW+12]. **Dynamic** [AGM+00, BWC01, Bec15, DLW+19, DBH+02, Mar99b, VN99, VKN99, YLZ+19]. **Dynamical** [O'L07a, O'L07b, WB03]. **Dynamically** [DGR+05]. **Dynamics** [BST+13, BH02, CJTH+13, CFCD04, CS14, CS15, GLS07, HSG03, Hym05, IBPV03, KSP12, KSM+17, LNI+19, MB17, MB20b, Muz19, NKV99, PAF08, PZJS10, SDA+14, Sch20, Sch23c, TL08b, VB22, Vor01b, ZZS+19]. **Dystopia** [Bei10a].

**e-Infrastructure** [MTG+12]. **E-infrastructures** [SPS15]. **E-Reader** [Day14c]. **E-Science** [Fox02a, KE05, RTSS14a, RTSS14b]. **E3SM** [WSY+22]. **Ear** [yFZDY13, ZDW+07]. **Early** [BHV21, ERF21, PHW+21, Pos16, Sha14, Wil18]. **Earth** [GVB15, HSP+23, KL15, Run05, Asr04, Bet17, DRR+04, GPZ+04, HDB+04, KB04, LM07b, MGZ00,

Run00, SCW+17, WBS+22, Zeb00]. **Earthquake** [CHC+11, DPG+12, EI11, FCT+10, Gor07b, HEB+11, HS12, JRP+17, KMM+11, McK11, PSR+00, RF12, TB11, UZC+12, WPM+12, YMK11]. **Earthquakes** [Day11d, STHR12]. **Easier** [Dav12]. **Eastern** [Ale18]. **Easy** [Dub08c, Sul02a, Tho99c, Vor01b]. **Eau** [Smi99b]. **EC2** [JRD+13]. **ECG** [WGJ16]. **Eclipse** [WD06]. **EcoG** [SES+11]. **Ecological** [GYF+10]. **Economist** [Fla17]. **Economy** [Wes03]. **Ecoregion** [HH99]. **Ecosystem** [Bar21b, DBCN03, Her24, PGH11, Tow18, WCGB05, TBVP+21]. **ECP** [Her24]. **Eddy** [DJS13, YWMM04]. **Eden** [SOH13]. **Edge** [Ano23o, KSSF11, Ano19a, Ano19b, Ano20b, Ano20c, Ano22d, Ano22e, Ano23a, Ano23b, Ano23c, Ano23d, Ano23i, Ano24b]. **editable** [Hin18d]. **edited** [Lov04]. **Edition** [Dub04, Seg99]. **Editor** [Ano07, Cyb99b, Sul99a, NLV99, Ale13, Asr04, BLMR21, Ber99, Cho03, Cyb99a, Dub07e, Dun09, Eth01, Got06, Kar02, Kax01, Kup03, MS99, Pos04a, Pos04b, Pos07, Qua18, Run00, Run05, Sul09a, Win06]. **Editor-in-Chief** [Cyb99a]. **Editorial** [GS13a, HP14b]. **Editors** [Ano22-68, Cyb00a, Cyb99c, Cyb00b, Kal99, Kil99, MBS+00, MHDM99, Sul99b, Sul00c, Sul00b, Sul00a, BC05a, AM15, Ano04b, Ano22-59, Ano23-67, BC99, BS06a, BC05b, CE14, CN03, CZ07, CLZ13, Cho05c, Cho05d, CF13, Cyb00c, CS01b, DS00, FC09, FF03, For16b, HP14a, HS03, HG02, HP04, KS02, MF16, MR06, Mem15, NC03, NL99, PT14, PV00, PS02, RC01, SS02, Sul01a, Sul01b, Sul03b, Sul03c, Sul03d, Sul03e, Sul04a, Sul04f, Sul04b, Sul04c, Sul04d, Sul04e, TA05, TX07, Thi05, TB99, TP04, TM00, VP04, VN99, Wai16, WR00, ZW19]. **Education** [Adl20, Ano16c, Ano16d, Ano17b, Ano18h, Ass00, Bäc07a, Bei12d, BB06, BERT09, But99, Day06b, DdS23a, DdS23b, Don99, DL23, FGP99, Gor13, GL20, HL00, Hu07, JHJ01, JPMG08, KMB+08, Lan06, LM08, Mar17, Mas06, MS07, NMCM22, PMK+08, Peo20, PP20, Roo06, SDA20, SDD+08, Tan21, Thi12a, TX08, TMC+13, Tre99, YRT+00, YMLJ06]. **Educational** [Chr99, MHDM99]. **Effect** [Chr99, Don02, KS06]. **Effective** [KC19, PTML11, SNCM16, SGRK+18, TS02]. **Effectively** [Luo13]. **Effects** [PQQ20, ZMM03]. **Efficiency** [BMCC21, MM16]. **Efficient** [CLC03, Hoe10, RK05, SH10, SSP06, SES+11, Yav06, ZJW08, ZLTX19, dKCAY00, vdWCV11]. **Efficiently** [CPdlF+12]. **Effort** [Fom15, Got02b]. **Efforts** [MB20a]. **EICs** [SCBT18]. **Eigenpairs** [GBDW04]. **Eigenstates** [Nob02b]. **Eigenvalues** [O'L05a]. **Einstein** [KF03, STTV05]. **EJB** [Lau05, Läu06, LTG07]. **Elastic** [MJAK09]. **Elastoplastic** [O'L04a]. **Electrical** [CB02]. **Electricity** [Ass00]. **Electro** [Roh10]. **Electro-Mechanical** [Roh10]. **Electrocatalytic** [VWP12]. **Electrodynamics** [Hei20]. **electrograms** [SOV+13]. **Electrohydraulic** [YMHQ19]. **Electromagnetic** [JLYL19, LFN+11, XZL+19]. **Electromagnetics** [KLS01]. **Electron** [KHC+07]. **Electronic** [BJ02, GBDW04, GS03, Kyr08, Lew99a, NG20]. **Electronic-Textiles** [NG20]. **Electrons** [SDA+14]. **Electrostatic** [CLC03]. **Element** [BKB20, Bas14, BS21, BFH21, GGJD23, IHL+02, JXY+19, LFC01, WWJH20]. **Elementary** [Ono01]. **Elements** [Ara99, BGHR06, Bri23, CRNO23, JC02, O'L05g, Pos16]. **Eliciting** [Rao16]. **Elliptic** [Don10]. **ELM** [LPCY19]. **Elusive** [Lew01a]. **ELVIS** [Tou03]. **Email** [Day15c]. **Embedded** [JR10, Lan19, NW15]. **Embraced** [RTSS14b]. **Emergencies** [Par16]. **Emerging** [Dec15, VB22].

**eMinerals** [BDCT05]. **Empirical** [SCW+17]. **Empowering** [NMCM22]. **Emptor** [DC04]. **Emscripten** [Zak18]. **Enable** [DAKM16, FL21, HC99]. **Enabled** [BDCT05, ESO08, GK18, GWA+07, JON+21, PARD13, SKL10, TGP13, Thi10, VSMD+09, VCGS11]. **Enabling** [Can99, Thi02]. **Enacting** [Smi16]. **encapsulator** [PLH+18]. **Encoding** [LPY18]. **End** [FF03, LAY04, Liu11, Mes15, RP20, TW17, TFS17, YBD10, YLZ+19]. **End-to-End** [RP20, YBD10]. **Endeavor** [BLT+23]. **Endless** [Day15b]. **Energy** [AMS14, DGJ+08, Eis17, ECK+15, MB99, PL02, PSA14, PMW20, SW10, SM17, SdPV21, SPJ+14, SSK02, WG15, YYL+18, dKCAY00, ABM+24]. **Energy-to-Solution** [Eis17]. **Engage** [WMB20]. **Engagement** [Den16, PBSS14]. **Engine** [SP18, GHK+08, SKP+10]. **Engineering** [Adl20, Ama06, Ano14y, Ano14-49, Ano18z, Ano19y, Ano20-36, Ano21-48, BT17, Bar20a, Bar20b, BPW+20, Bar21c, BCH+09, BSD07, Bot16, BERT09, Car09a, Car09b, Car12, CHHB13, CE14, Car16, CHC17, Cas16, CC03, Col18, CW20, Cos22, DSPY05, Day06a, DMXR+14, Dun09, DST+09, EJ09, ESO08, FLV+09, FM13, GJP24, GPL09, Gor07c, GK18, HEB+11, HLS+16, Her22, HGA23, JRP+17, JH18, KSM11, KMM+11, KRH+99, MTBG+22, McK11, MK10, MV20, Mes15, MCGA22, Mil10, PARD13, PA21, PZJS10, PV00, Pos07, Pos09, Pos10, Pos13, PK15, PAN+16a, PNL+16, PAN+16b, PG17, Sch23a, STWK15, SSK13, SKL10, SPB+20, TB11, Thi15c, TP04, VP04, WL09, YMK11, Ano03, Ano05a, Ano12b, Car09a, CHC17, RHC+23, Ano22f, Ano23e]. **Engineers** [Bar20b, CHHB13, CENT22a, CENT22b, Cho12, CMK22, GAB+22, Guo23, MA11, Tho12, Wri10]. **Engines** [Gor07a, HSP+23, MGCBI17, PA12]. **Enhance** [BBN03, BBD+13, DD23]. **Enhanced** [HEH+10, MSR+16, Tou01, YKD+03]. **Enhancement** [YLZ+19]. **Enhancing** [BNNM04, Den16, EPHY18, PK15, PG17, TML+23]. **Enrollment** [MMTD+17]. **Ensemble** [GVB15, PSS20, SCW+17]. **Ensembles** [ALH+20, BH02]. **Enthusiasm** [Sul08a]. **Entrepreneurs** [Lew00c]. **Entrepreneurship** [WMB20]. **Entropy** [Jq19, PAF08]. **Entry** [CMK22]. **Enumerations** [Gut01]. **Envelopes** [GARS+20]. **Environment** [Asr04, Bar21b, BLT+23, CAP+10, CCP23, CAS+07, CS15, GWA+07, GHKZ17, Har04a, Har23, Hun07, Ong02, PTML11, Par16, PL02, RPBE12, Shi01a, SdPV21, WQT+16]. **Environmental** [GLS07, MKJ07]. **Environments** [DGR+05, Fox03b, LRRK00, MHK+06, PAN+16a, PNL+16, VSMD+09, Weg00]. **EPCC** [WP22]. **Ephemera** [Bei10b]. **Epidemic** [O'L04d]. **Epidemiology** [Gor10]. **Epileptic** [SSG16]. **Epiphany** [PK18]. **ePub** [Ano13e, Ano14i]. **Equation** [JWEK06, Moy06, Osk07, RK05, Sch18, SFSK01, STTV05, XKG05]. **Equation-Free** [XKG05]. **Equations** [Bog03, GWW09, HT99, JHJ01, MSL+07, O'L05f, Sil00, Ter11, Lud13]. **Equipment** [Tof08, Tof09a, Tof09b]. **Equitable** [Deb18]. **Equity** [BPW+20, GPMSC20, HGA23, Les16, SDA20]. **Equity-Based** [GPMSC20]. **Equivalence** [Rob04, ZLW+19]. **Era** [Bak21, BHF+08, DST+09, LL13, Mei03, NdSS17, Thi13b]. **Erlang** [Vin12]. **Erratum** [Ano18i, Ano18j, Rei21a]. **Error** [Iac21, NSR10]. **Errors** [O'L05e]. **eScience** [MOBD+22]. **Essay** [HG00, LSV+07]. **Essays** [Cre99, KRH+99, Lan99]. **Essence** [Yas17a]. **Essential** [HLT09]. **Estimating** [AB03, DKCL14, Rus01b]. **Estimation** [CRNO23, FOdLVF+11, KLMS99]. **eTextBook** [LPB13, LPB15]. **Ethanol** [MPR18]. **ETSF** [MTG+12]. **Eureka** [Smi99d]. **Europe** [Ale18]. **European**

[EAF+23, Els21, FM02, Kal19]. **Evaluate** [GYF+10]. **Evaluating** [yFZDY13, MPP14, PD02, Ron14]. **Evaluation** [ACQ+20, NA07, Nan11]. **Evenly** [LM07a]. **Event** [Cas16, Gra07, Lew01b, NW15, PRCL+22]. **Every** [Sul04d]. **Everybody** [Day18b]. **Everyone** [VGM+09]. **Everything** [Yas17b]. **Everywhere** [O'L05e]. **Evidence** [Bar21a, Fox18, SGRK+18, TMMB18, Tec18, TKM+18, vGDS18]. **Evidence-Based** [SGRK+18, TMMB18, Tec18, TKM+18, vGDS18]. **Evolution** [BBM+15, BHV21, Che16, Cho06c, CBS14, DVR+19, FL99, For01, New00, VP04]. **Evolutionary** [RRN20]. **Evolvable** [For01]. **Evolving** [Ano23s, Cho05c]. **EWD** [Sul02a]. **Exa** [BAD+21]. **Exact** [RLRML04a]. **Exaggerated** [Day07b]. **Examining** [BZL+07, PQQ20]. **Example** [Lud13, Pos16, Wei21]. **Examples** [TNR+23]. **Exascale** [Ano15-37, BRS22, DGK19, DS23, DMT+21, GJP24, GS13a, GS13b, Her24, JR10, JRP+17, Kal19, KES+22, KS13, KLQ19, LMPV13, LA18, NdSS17, SBW+19, WSY+22, WP22, MB20a, Mes17]. **ExCALIBUR** [BBWW22]. **Excellence** [Kad04, NRG+17, NdS17]. **Exceptionally** [Thi11b]. **Excited** [Mor15]. **Exciting** [Day07c]. **Execution** [BHL99, MSD10, SB00]. **Executions** [GPC08]. **Exemplifying** [PQQ20]. **Exercise** [KWBB22]. **Exercises** [DM04]. **Exoskeleton** [YMHQ19]. **Expand** [WCP17]. **Expanding** [Her22, Pap16, Thi07]. **Expect** [Day09b]. **Experience** [CCP23]. **Experiences** [BB06, Bot16, LTD11, LUMM14, Lof22, MS22, Taj10]. **Experiment** [Dav12, Gor07d, Sch01, Ste02, Var08]. **Experimental** [CBF+22, GHT+10, Guo12, YYG+19]. **Experimentalists** [DR05c, DR05b, Don06a, Don06b, RD05a, RD05b, DR05a]. **Experimentation** [PGH+05, SGRK+18]. **Experimenter** [Ben04]. **Experiments** [Ben04, LBS14, Liu11, MAFM21, MTG+12, MGD+08, Rei13, SZM+13]. **Expert** [Sma12]. **Expertise** [MBH14, Mes15]. **Experts** [Ano16-47, Ano16-48, Bur18]. **Explaining** [GLS07, Jer13]. **Explicit** [BPMKC21]. **Exploitation** [PTH13, RLHGA+13]. **Exploiting** [BBD+13, DSK15, EGFL12, Muz19, XZL+19]. **Exploration** [BHF+08, BBW+20, CO15, CHM+20b, CHM+20a, DVP+17, DH12, DMT+21, EPHY18, JMEL08, TDT+22, Thi11b, TNV+02]. **Exploratory** [GM02, KHG+23, LSN20, WCP17]. **Explore** [Ano23s, LPV00]. **Explorer** [AMCL+23]. **Exploring** [ALH+20, BHC+15, Don02, Luo12, MKH+23, MB99, Ree16]. **Explosions** [BPH+13, HMS+00, Ott16]. **Exponentials** [O'L04b, Rus02]. **Export** [EHG01]. **Exposing** [PMM+08]. **Exposition** [Hah04]. **Expression** [Kir03, OMKdSB11, YCK03]. **Extend** [GDDR16]. **Extended** [KL10]. **Extending** [Bas02, DY99, Dub00]. **Extensibility** [BKS15]. **Extensible** [ASM+14, KSM+17]. **Extension** [Ron14]. **Extensions** [EGFL12]. **External** [CFCD04]. **Extinction** [New00]. **Extraction** [GMPR11, KS20]. **Extractors** [JG12]. **Extrema** [CRNO23]. **Extremal** [Boe00]. **Extreme** [Che19, Cus14, Dar18, DTL+17, LWG19, NWP19, PT14, Sza11, TWE14, VM15, WSG24, WHW18]. **Extreme-Scale** [VM15, WSG24]. **Extremes** [TM15]. **Eye** [CT00, KBPW15].

**Fabric** [TML+23]. **Face** [FOdLVF+11, OMKdSB11, Pos13, SMM+11, SYP08]. **Facebook** [Day14f, FAFX20]. **Faces** [Got02b]. **Facial** [OMKdSB11, WLCJ12]. **Facial-Expression** [OMKdSB11]. **Facilitate** [MVUSK14]. **Facilities** [Pap16, QRP22]. **Facility**

[AGM+00, SW10, LBS14]. **Factor** [Els21]. **Factorizations** [O'L06e, O'L06g]. **Factors** [DCWH07, DKWL17]. **Failure** [GB20, MPRU23]. **Faint** [Bar12]. **FAIR** [TML+23]. **Family** [Gor05a, Roc00]. **Fanfic** [Day18f]. **Fans** [Got02a]. **Fantasy** [Smi99c]. **Far** [UGV11]. **Far-Infrared** [UGV11]. **Faraday** [Day16c]. **Farewell** [Bei12b]. **Farms** [Day17d]. **Fashion** [Day17a]. **Fast** [Ara99, BB07, BS00d, KLMS99, MBS+00, O'L05f, RcK99, RRAB06, SMF+23, Tho99c, Zak18, Clo15, DR05c, DR05b, DR05a, Don06a, Don06b, RD05a, RD05b]. **Fate.Com** [Smi99c]. **Fault** [Jq19, JRP+17, LCC+19, ZZC+19, GGD+05]. **Fault-Tolerant** [LCC+19]. **Faults** [PSR+00, WCC+19]. **FEA** [JLYL19]. **Feasibility** [FPRK16]. **Feature** [BAD+21, JG12, TNV+02]. **Featured** [Ano20-72, BPW+20]. **Features** [Bur99, DTA21, GPMSC20, GvdWT07, PMFM14, Shi01a, Shi03]. **Federated** [DMXR+14]. **Federating** [BDS13]. **Feedback** [YMHQ19]. **Feeling** [MPRU23]. **Fellowship** [BLMR21, BHV21, GAB+22]. **Female** [JH16]. **Fermi** [HKB12]. **Fermions** [Ale15]. **Few** [MW14]. **Few-Body** [MW14]. **FFT** [Roc00]. **Fiber** [JXY+19]. **fibrillation** [SOV+13]. **Fiction** [Day16f]. **Fictional** [Day17d]. **Fidelity** [HEH+10]. **Field** [HHZK01b, HHZK01a, Jef22, PMW20, ZMM03]. **Fields** [Ma16, SÜP+11, SV14]. **Fifteen** [BKK15]. **Fight** [HP20, Wes21]. **File** [Ben09, IKMK13]. **Filesystems** [BBM+15]. **Filled** [GGJD23]. **Filtering** [FL05]. **Filters** [Don06a]. **Fin** [Thi16]. **Final** [Sul05a]. **Finally** [Aya14]. **Finance** [Far99, NL99, Sha99, Vir16, Wep15]. **Find** [Day17c, Don10]. **Finding** [MGFRL+12, SW10, Tou02a]. **Findings** [JH16]. **Finite** [Ara99, BKB20, Bas14, BGHR06, BFH21, Bri23, GGJD23, JXY+19, LFC01, NA07, O'L05g, UZC+12, WWJH20, YLR02]. **Finite-Difference** [UZC+12]. **Finite-Element** [BKB20, LFC01]. **Finite-Element-Based** [GGJD23]. **Finite-Volume** [YLR02]. **FiPy** [GWW09]. **Fire** [Tha08b]. **Firedrake** [BFH21]. **Fires** [HMS+00]. **Fireworks** [Don02]. **First** [BB06, BVT+21, CHJC05, Day08a, Day14c, HWPS16, PRCL+22, Slo16, Car09a]. **First-Generation** [Slo16]. **First-Principles** [HWPS16]. **Fisher** [FOdLVF+11]. **Fit** [Ano17x, Ano17y, Ano17z, Ano17-27, Ano16y, Ano17-28]. **Fitting** [Don10, LWG19, O'L04b, Rus01a, Rus01b, Rus02, Rus03, SM17, TR08, WS99]. **Five** [KHS09, Poi10, Shi99]. **Fixed** [MM16]. **Fixed-Wing** [MM16]. **Fixing** [Day10b, Day15c]. **Flagship** [Sor19]. **Flair** [Wep08]. **Flame** [Tow09]. **Flames** [MRKK17]. **Flash** [RCD+00]. **Flashes** [RCD+00]. **Fleet** [MSB+14]. **Flexible** [DKCL14, GHKR11, KB07, LVLA14, WSG24]. **Flight** [ACS15, Sim13]. **Floating** [Bai05, GGJD23, PPE00, TM14, YLZ+19]. **Floating-Point** [Bai05, TM14]. **Flow** [CCPS12, EPHY18, FPRK16, Ged16a, GvdWT07, GIF+12, HF04, JMFJ01, Jon19, KSW+12, Ma16, NW13, RSC+14, TGEA09, VCGS11, WT12, YWMM04, ZSM+22]. **Flowers** [Sul05b]. **Flowfield** [HWPS16]. **Flowfields** [MM04]. **Flows** [DJS13, FMKS08, GF04, LUMM14, MP09, NTW07]. **Fluid** [Ben04, CFCD04, Jon19, JCPS14, KSP12, KSM+17, LUMM14, LWSK07, LCY+04, Lui06, MB17, MB20b, Ork09, Sch20, Sch23c, SFSK01, SKC05, VB22]. **Fluid-Structure** [LCY+04]. **Fluids** [Bry99]. **FluoRender** [WHH22]. **Focus** [Ano02b, Ano14l, Ano14j, Ano14k, Ano14m, Ano15j, Ano15k, Ano15l, Ano17d, EVL+17, For00, For01, Lew00a, Lew00b, Lew00c, Lew01a, Luo12, YCD+21]. **Folding** [Han03, Jav12, SK01]. **Following** [O'L06c]. **Force** [JLYL19]. **Forcing** [MRHP23]. **Forecast** [Gor07b, SS09]. **Forecasting**

[Lum07, STHR12]. **Forecasts** [DWC+11, Gan02, KILZ13, ZQY+11]. **Forefront** [GLS11]. **Forests** [DBCN03]. **Forever** [Smi99f]. **Forgeries** [Gor05b]. **Form** [Yas17b]. **Formal** [FGG+22, KNKP14]. **Formalism** [GW15]. **Formalism-Based** [GW15]. **Format** [Ben09, Poi10]. **Formation** [CDKF15, SETK05, SNTL13]. **Formats** [CY00]. **Former** [SCBT18]. **Forth** [Nob00b]. **Fortran** [Mol12, CRDO16, DNG07, DY99, Fos17, GRE99, JPE20, KAČ+22, Pad00, PMM+08, Rei03, RMX12]. **Fortranning** [Mol12]. **Forty** [WG15]. **Forum** [KFMG20]. **Forums** [LSPN21]. **Forward** [Cho05f, Her21]. **Foster** [For99]. **Fostering** [Lan19, Tur14a]. **Four** [GSK+23, HGA23]. **Fourier** [DR05c, DR05b, DR05a, Don06a, Don06b, RD05a, RD05b, CS18, Cor07, Mus20, Tre99]. **FP** [DPP+01]. **FP-LAPW** [DPP+01]. **FP7** [Ale18]. **FPGA** [BMP+06, BCC+09, HGV+08, NLGNJ13, SDCV10, SG10, TJ14]. **FPGA-Based** [BCC+09, HGV+08, NLGNJ13, SDCV10]. **FPGAs** [AAAH+16, LHZ21, VMK20]. **Fractal** [ARO+11]. **Fracture** [BP99, Han05, RcK99, VN99, VKN99, XHL+13]. **Frame** [Wil01]. **Framework** [ALH+20, APC+19, CBB06, DL00, EP10, GBDW04, GYL+17, GRS08, GSB+12, HC17, Ikk16, KRR+12, KFS18, KSM+17, LVLA14, McK11, PGC21, QRP22, Ram18, RPBE12, RPEB14, SBB+15, SNCT13, SMSC22, Sto09, VCGS11, ZFS12, HDB+04]. **Frameworks** [HMB+14]. **Franca** [WHH22]. **Frankenstein** [Sul03c]. **Free** [Shi00c, THGS07, XKG05, dKCAY00]. **Free-Energy** [dKCAY00]. **Freedom** [Ano15-44, Lew00b]. **Freestyle** [TR08]. **Frequency** [CPdlF+12, PAN+16b]. **Frequency-Domain** [CPdlF+12]. **Fresnel** [Tre99]. **Friendship** [Sim13]. **Frisch** [Sch23c]. **Front** [Ano13f, Ano14n, Ano14o, Ano14p, Ano14q, Ano14r, Ano14s, Ano15r, Ano15m, Ano15n, Ano15o, Ano15p, Ano15q, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano16k, Ano17i, Ano17e, Ano17f, Ano17g, Ano17h, Ano18o, Ano18k, Ano18l, Ano18m, Ano18n, Ano19h, Ano19i, Ano19k, Ano19l, Ano19m, Ano20-32, Ano20-27, Ano20-28, Ano20-29, Ano20-30, Ano20-31, Ano21-34, Ano21-35, Ano21-36, Ano21-37, Ano21-38, Ano21-39, Ano22-28, Ano22-29, Ano22-30, Ano22-31, Ano22-32, Ano22-33, Ano23t, Ano23u, Ano23v, Ano23w, Ano23x, Ano23y, Ano24e, SG10, Ano19j]. **Front-Side** [SG10]. **FRONTERA** [GARS+20, CED+21, WNDV21]. **Frontier** [Gue18, Kus07, SP18]. **Frontiers** [HP14b, HJLH03, Pos04a, Pos04b]. **Fuel** [SP18]. **Fuel-Engine** [SP18]. **Full** [HLYQ19, Nob02a]. **Fullerenes** [SMC01]. **Fully** [ZZC+19]. **Fun** [Day11e]. **Function** [BHC+08, Don10, Iac21, KEF07, LWG19, NSR10, Rus01a]. **Functional** [GW15, Hin09, Kar99, LT09, MB07]. **Functions** [LTD11, MAC08, Rei21a, Rei21b, Rus01b, Rus02, Rus03, Tho99b, Tho00]. **Fund** [Ano23-42, Ano22-44, Ano22-45, Ano22-46, Ano22-47, Ano23-41, Ano24i]. **Further** [FIG+23]. **Fusion** [ECK+15, HSJ+19, Ma16, TWE14, SMM+11]. **Future** [AHL+11, Bec15, CENT22a, CENT22b, Cho07c, Cho08b, CW20, Dau99, Day06c, Day12a, Day19a, DSSS05, Dub07f, Dub07d, EKLY07, GB20, Got15, Got16, Hin13b, JH18, LVWK02, LL18, Mar17, MDW+22, MCGA22, MBB+22, Pos11, Rei03, SPS15, SACR21, Smi00d, Sul04f, Thi11a, Thi13a, Thi15a, Thi15b, TW03, WP22, YCD+21, Zha11]. **FutureGrid** [JRD+13]. **Fuzzy** [CS01a, DKCL14, Fra07, GYF+10, LLQ18, ZLW+19]. **Fuzzy-Neural** [Fra07]. **FVDM** [HLYQ19]. **FVTD** [SWPB00].

**G** [GLS11]. **Gaining** [Mes15]. **Galaxies** [Jon15, KCPFT02]. **Galaxy**

[ASLK22, PRCL+22]. **Gamble** [PPE00]. **Game** [BB20, Les16, TMC+13]. **Game-Based** [Les16]. **Gaming** [Day12b]. **Gap** [Jef21]. **Gaps** [CMK22]. **Garmin** [Tou02a]. **Gas** [Par16, Sch20, Sch23c]. **Gateway** [GDH+23, HBD+23, MKH+23]. **Gateways** [DdS23a, DdS23b, DL23, GSK+23, KHG+23, OHK23, WDC18]. **Gauging** [Day08a]. **Gauss** [Cor07, Nob00a, Ome06]. **Gaussian** [Bal99, Nan11, Wan23]. **Gay** [Wri16]. **Gel** [dA03]. **Gen** [Smi00c]. **Gender** [Les16]. **Gendered** [Bot16]. **Gene** [YCK03]. **General** [MW11a, SSC18, Wat21, YLR02, Zei17]. **General-Purpose** [SSC18]. **General-Relativistic** [MW11a]. **Generation** [BBWW22, BFH21, CHJC05, Ged16a, HP15, KKKM23, MAC08, McM09, MRHP23, NMCM22, RGD13, Slo16, Smi00c, SPJ+14, Tha14, Thi04, Thi15c]. **Generic** [Kyr08, MM18, SL99, IK05]. **Genes** [CAS+07]. **Genetic** [Bea00, FL99]. **Genome** [Mye99, STM99]. **Genomes** [Mis02]. **Gentoo** [Thi04]. **Geodesic** [RRH+02, WLCJ12]. **geodynamic** [Mat05]. **Geodynamics** [HPC20]. **Geodynamo** [GC00]. **Geographic** [Che10, WCC+02]. **Geometric** [Lui06, ZZPC06]. **Geometries** [FGR+07]. **Geometry** [Chi21, DAKM16, MPP14, O'L12, RLRML04a, SWDR22]. **Geometry-Centric** [DAKM16]. **Geophysical** [IHL+02]. **Georeferenced** [AAB+13]. **George** [O'L05b]. **Geoscience** [Har04a, HEH+10]. **Geosciences** [LWF10]. **Geoscientists** [Tha14]. **Geospatial** [MPP14]. **Geostatistical** [SMF+23]. **Germany** [Day12c]. **Gestures** [YHWY05]. **Get** [Ano14t, Ano15s, Ano15t, Ano15u, Ano15v, Ano16s, Ano20-33, Ano20-34, Ano20-35, Ano21-42, Ano21-43, Ano21-44, Ano21-40, Ano21-41, Ano21-45, Ano22-34, Ano22-35, Ano22-36, Ano22-37, Ano22-38, Ano23z, Ano23-27, Ano23-28, Ano24f]. **Gets** [Shi99]. **Getting** [Gra09, KSB07, MAFM21, O'L05g, Wil06]. **Giant** [LWT+13]. **Gide** [CO15]. **Ginzburg** [Osk07]. **Girls** [Sca16]. **GIS** [GYF+10, JJZC10, Shi07, WPM+12]. **Gismo** [BCA+00]. **Giving** [GAB+22]. **Glacier** [BZL+07, Bri23]. **Glaciers** [LGG+23, TAHP23]. **Glass** [YZZ04]. **Glasses** [BHKW03, DCC10]. **Glast** [BCA+00]. **Glimpse** [Hin13b]. **Glimpses** [Sin18, Ano18j]. **Global** [BB07, BBM+15, CNO99, ECK+15, KE05, LAY04, MRNT17, SH10, TR08, TLD02, YCD+21]. **Globally** [KFMG20, XBK10]. **go** [Ano14-55, Ano14-56, Ano15-48, Ano15-49]. **Goal** [SBW+19]. **Going** [Sul02c]. **Golomb** [Mem16]. **Gone** [FL21]. **Good** [Bei10c, Dub22, Dub99, MBB+22, Poi10, Sul04b]. **Goodbye** [Dub08b]. **Google** [Cha08]. **Googol** [Cha08]. **Got** [Dub15b]. **GPGPU** [HKB12]. **GPS** [Tou02a]. **GPU** [EH22, BFF12, CJL+18, CG09, DJS13, EKCS12, FKB+13, FPRK16, Gra09, Kel10, MMG08, RR21, SES+11, TGP13, VGD+11, WQLZ18, Wei11, WCH12]. **GPU-Accelerated** [FPRK16]. **GPU-Based** [WCH12]. **GPU-Enabled** [TGP13]. **gpu.js** [SSC18]. **GPULib** [MMG08]. **GPUs** [Ale15, BKB20, Kin12, SSC18, STH22, Wei21]. **Grabbers** [Wil01]. **Grace** [EH22]. **Graders** [Ste14]. **Gradients** [Tof09b]. **Grading** [KC09a, KC09b, KC09c]. **Graduate** [BLMR21, BHV21, GN08, LC09]. **Grain** [Bil00]. **Grained** [BMCC21]. **Grande** [Fox03d, WSC+04]. **Granular** [Saa09]. **GRAPE** [Mak06]. **Graph** [CS18, Coh09, Har23, HB08, Wan18]. **Graph-Based** [Wan18]. **Graphene** [Ste12]. **Graphical** [ATRA00, CO15, UM08, WOAEAG10]. **Graphicality** [Clo15]. **Graphics** [Ano20a, Ano20z, Ano20f, Ano21a, Ano21b, Ano21l, Ano22k, Ano22l, Ano22m, Ano22n, Ano23g, Ano23h, BLT+23, BkCP22, CF99a,

CY00, Che03, HRWS06, Hun07, KSP12, SDS00, SJDV09, Wat21, Zhu16]. **Graphs** [Dru20, JG13, QSEQJFH20]. **Gravitational** [ACF18, BVT+21, LL13, SV14, SR12]. **Gravity** [KNKP14]. **Gravity-Induced** [KNKP14]. **Gray** [Jq19]. **Great** [Lov04, Smi99f]. **Green** [Hem10, MSD10]. **Grid** [BB07, CCJ04, FG01, Gor07d, GWA+07, HF04, SYP08, YLCZ05, BC05a, BC05b, BDCT05, CHJC05, Fox02b, Fox03a, Fox03b, Gor07b, JRD+13, Zhu02]. **Grid-Enabled** [GWA+07, BDCT05]. **Gridlock** [FLV+09]. **Grids** [BW06, CB02, FG01, Fox04a, RRH+02, SAK+13, WB03, CB02, Fox03c, WCGB05]. **Gröbner** [RLRML04a, RLRML04b]. **Gross** [STTV05]. **Ground** [Cho05e, For02, GL20, JRP+17, LGW+17, MR13]. **Ground-Range** [MR13]. **Group** [BB06, Cos22, Day11c]. **Grow** [Yas17b]. **Growing** [Cho04, PL07]. **Growth** [Amo18, GSK+23, PBD+11]. **Guest** [Ale13, AM15, Asr04, BC99, BS06a, Ber99, BC05a, BC05b, CE14, CN03, CZ07, CLZ13, Cho03, CF13, CS01b, DS00, Dub07e, Dun09, Eth01, FC09, FF03, For16b, Got06, GS13a, HP14a, HP14b, HS03, HG02, HP04, Kar02, Kax01, KS02, Kup03, MF16, MR06, Mem15, MS99, NC03, NL99, PT14, PV00, PS02, Pos04a, Pos04b, Pos07, Qua18, RC01, Run00, Run05, SS02, Sul09a, TA05, TX07, Thi05, TB99, TP04, TM00, VP04, VN99, Wai16, WR00, Win06, ZW19]. **GUI** [OASFLAB09]. **Guide** [KL15, Lew10, Pek04, Tsa14]. **Guided** [BT10b, DiP18b, DTA21, JT01, VWL+11, ZFS12]. **Guides** [Sch01]. **Guiding** [Bur18]. **GV** [LGW+17]. **GW150914** [BVT+21]. **Gyrokinetic** [ECK+15].

**H5N1** [Rao16]. **Hackathons** [CJL+18]. **Hadron** [Mor15]. **Hail** [Bei12b]. **Hair** [YZC+13]. **Halos** [Jon15]. **Hand** [Ano15i, YHWY05]. **Hands** [CBF+22]. **Hands-On** [CBF+22]. **Hans** [Ano21-46]. **Happens** [HGA23]. **Haptics** [EPHY18]. **Hard** [Sul03b]. **Harder** [MB17]. **Hardest** [CS01b]. **Hardware** [AAAH+16, Day08c, EP10, For01, Hoe10, Hsu06, Naj08, NGGS22, SWDR22]. **Hardware-Accelerated** [NGGS22, SWDR22]. **Hardware-Independent** [EP10]. **Harlan** [Ano14y, Ano18p, Ano20-36, Ano21-47, Ano21-48]. **Harmonic** [DMR+09]. **Hash** [MPP14]. **Hashing** [OOB17]. **Haskell** [CL12]. **Hasselmann** [Hei22]. **Hasslacher** [Sch23c]. **Having** [Ben04]. **Hazard** [KMM+11]. **Hazards** [ASLK22, MT00]. **HC** [Bak10]. **HC-1** [Bak10]. **Headroom** [Cho05a]. **Healing** [CJ16]. **Health** [Ano19f, Day13e, Jef22]. **Healthcare** [TGU21]. **Hearing** [Gio02]. **Heart** [ZB04]. **Heart-Rate** [ZB04]. **Heartbeat** [HMA00]. **Hearted** [Bar12]. **Heat** [Sch18]. **Heider** [Kul07]. **Heights** [Ano16-47, Ano16-48]. **Helios** [HWPS16]. **Hell** [Day13b]. **Help** [Ano15-37, FLV+09]. **Here** [MM13]. **Hesitant** [LLQ18, ZLW+19]. **Heterogeneity** [BBD+13, DBB+21]. **Heterogeneous** [Bak10, BKRT21, CR15, MSB+14, Sch15, SGS10, TFF05, VGD+11, YEC+19, YB12, GGD+05]. **Heuristics** [Boe00]. **Hewlett** [Got02a]. **Hidden** [Bal17]. **Hierarchical** [BZL+07, DAEJ18, Muz19, QSEQJFH20, YEC+19, YB12, Poi10]. **High** [ABM+24, AE22, AAGH17a, AAGH17b, Amo18, AMS14, Bai05, Bak10, BKRT21, BUS21, Bar21c, BCC+09, BS21, BBW+20, BCH+22, CDL+23, CN03, DD05, DCWH07, DWC+11, DLW+19, DGJ+08, DSSS05, Dub22, EDJ+10, EHG01, FHM99, GPMSC20, Got02b, GYJL20, HP20, HC99, HB08, HKW03, HG02, HP04, HEH+10, JPMG08, JPK01, KWBB22, KTG08, KWB+10, KT11, KBLD08, Lan02, LM08, Lat16, LQZL19, LAY04, Liu11, MS22, Men18, Mes15, MMG08, MWC+16, MB99, MBB+09, NC03, PGF+15, Pap16, Par22, PSA14,

PMP21, PMW20, QL19, Rag06, Rao16, RR21, SW10, SBZ+08, SDA+14, SBB+15, SKC02, Sch18, STG11, Shi99, Shn06, SL99, SOH13, SR12, SR13, SJDV09, SS09, Str10, TAM+14, TBVP+21, VMK20, VM15, Vil08, VS23, WBS+22, YBBP15, YCD+21, YYG+19, ZMM03, ZQY+11, dSRT16]. **High-Density** [ZMM03]. **High-Dimensional** [BBW+20, CN03, HKW03, MB99, NC03, Shn06, SR13, dSRT16]. **High-Dimensionality** [Vil08]. **High-End** [LAY04, Liu11, Mes15]. **High-Energy** [AMS14, DGJ+08, PMW20]. **High-Fidelity** [HEH+10]. **High-Impact** [STG11]. **High-Level** [MMG08, Rag06, VMK20]. **High-Performance** [ABM+24, AE22, Amo18, AMS14, Bak10, BKRT21, BCC+09, BS21, BCH+22, CDL+23, DD05, DCWH07, DSSS05, EDJ+10, EHG01, FHM99, HP20, HC99, HB08, HG02, HP04, JPMG08, JPK01, KWBB22, KTG08, KWB+10, KT11, KBLD08, LM08, Lat16, MS22, Men18, PGF+15, Pap16, Par22, PSA14, PMP21, RR21, SW10, SBZ+08, SDA+14, SBB+15, SKC02, Sch18, SOH13, SJDV09, SS09, Str10, VM15, VS23, WBS+22, YBBP15, SL99]. **High-Precision** [Bai05]. **High-Productivity** [BUS21, MBB+09]. **High-Quality** [Dub22]. **High-Resolution** [DWC+11, Lan02, TAM+14, YCD+21, ZQY+11]. **High-Risk** [Rao16]. **High-Speed** [GYJL20, LQZL19, SR12, YYG+19]. **High-Temperature** [DLW+19]. **High-Throughput** [MWC+16]. **Higher** [Pie04, SÜP+11, SSG16]. **Higher-Order** [Pie04, SÜP+11, SSG16]. **Highlights** [EH22]. **Highly** [HF04]. **Hike** [Lau05, Läu06, LTG07]. **Hilbert** [NA07]. **Hip** [XHL+13]. **HiQ** [Shi99]. **Hire** [Day14f]. **History** [Ano21i, Ano21j, Ano21k, Ano22i, Ano22j, Ano23f, Mar17, Wil08]. **Hit** [Tou03]. **Hitting** [GL20]. **Hodge** [JG13]. **Hole** [BkCP22, BVT+21, PRCL+22]. **Holograms** [HRWS06]. **Holographic** [BDF+20, Toh08]. **Holography** [Sic09]. **HoloPy** [BDF+20]. **Home** [Kra03, Kra15, Thi06]. **Homework** [Ben00, O'L06e, O'L07b]. **Hood** [O'L06b]. **Hopes** [Got02b]. **Hopkins** [KBLE15]. **Hopper** [EH22]. **Horizon** [Cho05b, PRCL+22]. **Horizons** [BMC99]. **Hose** [Tha08b]. **HOST** [Ano20-37]. **Hosting** [Thi07]. **Hot** [Ano14t, Ano17-40]. **House** [Ano14d, Ano14g, Ano14h, Ano14i, Ano14l, Ano14m, Ano14t, Ano14v, Ano14z, Ano14-29, Ano14-27, Ano14-28, Ano14-31, Ano14-40, Ano14-41, Ano14-42, Ano14-46, Ano14-47, Ano14-48, Ano14-49, Ano15c, Ano15e, Ano15f, Ano15i, Ano15g, Ano15k, Ano15l, Ano15u, Ano15v, Ano15w, Ano15x, Ano15y, Ano15z, Ano15-27, Ano15-35, Ano15-36, Ano15-43, Ano15-40, Ano15-41, Ano15-42, Ano15-39, Ano15-45, Ano16c, Ano16d, Ano16e, Ano16l, Ano16t, Ano16q, Ano16u, Ano16r, Ano16z, Ano16v, Ano16n, Ano16s, Ano16-27, Ano16w, Ano16o, Ano16x, Ano16p, Ano16-28, Ano16-29, Ano16-30, Ano16-38, Ano16-39, Ano16-40, Ano16-47, Ano16-48, Ano18-35, Ano18-37, Ano18-36, Ano18-40, Ano18-44, Day11a, Ano15s, Ano15t, Ano15-49]. **How-to** [Lew10]. **HPC** [CHC17, Ano18q, Bak21, BBWW22, Bor02, DBNC+23, GK22, GDDR16, Har18, Hem10, Hoe10, HMB+14, KVP+16, KVP+17, KFMG20, LGG+22, MKL+23, NC18, SRKS22, SACR21, SSK13, SP18]. **HPCMP** [HLS+16, HWPS16, KPA+16, LGW+17, WQT+16]. **HPJava** [CF03]. **HS** [WMB20]. **Hubble** [Chr15]. **HUBzero** [MK10, GSK+23]. **Hulls** [Muc09]. **Human** [Ano15-44, DL00, Gor08b, KC24, LCY08, NWP19, PBSS14, TGP+06, YCL05, YCZ07, ZB04]. **Humanitarian** [MSB+14]. **Humanities** [KHG+23, Tan21]. **Humphrey** [Ano22-75]. **Hundred** [Sul05b]. **Hurdles** [Got02b]. **Hurricane** [DWC+11, WZZ11, Zha11, ZQY+11].

**HWRFx** [ZQY+11]. **Hybrid** [CL14, CXC+20, FGR+07, FGRS17, Gaa03, Gan02, Gia22, LVLA14, LHGX18, XZL+19]. **Hydraulic** [FGR+07]. **Hydrodynamic** [WQT+16]. **Hydrodynamics** [BRS22, KSM+17, MSS09, Owe01, WHW18]. **Hydrogen** [SSK02]. **Hyperbolic** [LeV09]. **Hyperspectral** [DM12]. **Hypotheses** [GP15, Rus01b]. **HYSPLIT** [War18]. **Hysteresis** [KPD+99, LCC+19].

**I-V** [Azo06]. **Ianus** [BMP+06]. **Ice** [GGJD23, MRHP23, TAHP23, THGS07]. **Ice-Free** [THGS07]. **ICTVdB** [BO03]. **Ideal** [Smi00a]. **IDEAS** [MHB+24]. **Identification** [CPdlF+12]. **Identifiers** [HBG+20]. **Identifying** [BH02, EUD15]. **IDL** [Gal11]. **IEEE** [Ano16b, Ano17-31, Ano18b, Ano22w, Ano22a, Ano22b, Ano13g, Ano13i, Ano13h, Ano13j, Ano14v, Ano14u, Ano14z, Ano14-29, Ano14w, Ano14-27, Ano14y, Ano14x, Ano14-28, Ano14-31, Ano14-30, Ano15w, Ano15x, Ano15y, Ano15z, Ano15-27, Ano15-35, Ano15-36, Ano16l, Ano16t, Ano16q, Ano16u, Ano16r, Ano16z, Ano16v, Ano16n, Ano16s, Ano16-27, Ano16w, Ano16o, Ano16x, Ano16p, Ano16m, Ano16y, Ano16-28, Ano16-29, Ano16-30, Ano17o, Ano17j, Ano17k, Ano17l, Ano17m, Ano17p, Ano17n, Ano18t, Ano18u, Ano18v, Ano18w, Ano18x, Ano18s, Ano18r, Ano18y, Ano18-27, Ano18z, Ano18-28, Ano19t, Ano19u, Ano19n, Ano19o, Ano19p, Ano19q, Ano19r, Ano19v, Ano19s, Ano19w, Ano19x, Ano19y, Ano19z, Ano20-46, Ano20-38, Ano20-39, Ano20-47, Ano20-51, Ano20-40, Ano20-48]. **IEEE** [Ano20-52, Ano20-41, Ano20-49, Ano20-44, Ano20-42, Ano20-43, Ano20-45, Ano20-53, Ano20-50, Ano20-54, Ano20-56, Ano20-55, Ano21-49, Ano21-64, Ano21-53, Ano21-59, Ano21-54, Ano21-65, Ano21-60, Ano21-55, Ano21-56, Ano21-61, Ano21-50, Ano21-57, Ano21-62, Ano21-51, Ano21-63, Ano21-66, Ano21-52, Ano21-58, Ano21-67, Ano22x, Ano22y, Ano22z, Ano22-39, Ano22-44, Ano22-48, Ano22-55, Ano22-41, Ano22-45, Ano22-40, Ano22-56, Ano22-46, Ano22-52, Ano22-57, Ano22-49, Ano22-53, Ano22-59, Ano22-58, Ano22-47, Ano22-50, Ano22-42, Ano22-54, Ano22-51, Ano22-43, Ano22-60, Ano23-43, Ano23-29, Ano23-40, Ano23-32, Ano23-53, Ano23-41, Ano23-30, Ano23-48, Ano23-54, Ano23-36, Ano23-42, Ano23-44, Ano23-49, Ano23-55, Ano23-33, Ano23-37, Ano23-45, Ano23-50, Ano23-34, Ano23-38, Ano23-46, Ano23-31, Ano23-51, Ano23-39, Ano23-52, Ano23-47, Ano23-35, Ano23-56]. **IEEE** [Ano23-57, Ano23-58, Ano24j, Ano24k, Ano24l, Ano24g, Ano24i, Ano24h, Ano19c, Ano20q, Ano20r, Ano20u, Ano20v, Ano20-33, Ano20-34, Ano20-35, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20m, Ano20k, Ano20l, Ano21-29, Ano21-30, Ano21-31, Ano21-32, Ano21-33, Ano21-42, Ano21-43, Ano21-44, Ano21-40, Ano21-41, Ano21-45, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano21n, Ano21o, Ano21p, Ano21q, Ano21r, Ano21s, Ano21t, Ano21u, Ano22v, Ano22-34, Ano22-35, Ano22-36, Ano22-37, Ano22-38, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano22n, Ano22o, Ano22p, Ano22q, Ano22r, Ano22s, Ano22t, Ano23z, Ano23-27, Ano23-28, Ano23f, Ano23i, Ano23g, Ano23h, Ano23j, Ano23k, Ano23l, Ano23m, Ano23n, Ano24f, Ano24c, Ano24d]. **IEEE-CS** [Ano16b, Ano18b]. **Ignition** [Ged16b, LBS14]. **II** [BC05b, CENT22b, DdS23b, DR05a, Läu06, LT09, Mal07b, Pos04b, RTSS14b, Rus01b, SA08b, WHG21]. **III** [LTG07, Rus02, RD05a]. **IK** [WLL+14]. **IK-SVD** [WLL+14]. **Illuminating** [DRR+04, Ged16b]. **Illumination** [BB07, Dac16]. **Illustrator** [Tof08, Tof09a, Tof09b]. **Image** [CO15, CS11, Eng15, FSED10, FKB+13, KSSF11, LFC01, LPY18, LPCY19, LHGX18, MP09, NO03, PL07, PRCL+22, Pey11c,

TDT+22, Van12, VWL+11, ZFS12]. **Image-Based** [LFC01]. **Image-Guided** [VWL+11, ZFS12]. **Imagenation** [Wil01]. **Images** [BBM+21, Day15a, Gig00, GMPR11, JG12, MFD+09, YWC02]. **Imaging** [JT01, MJAK09, MB07, QPCJ07, Rei21b, UGV11, Rei21a]. **Imbalanced** [RRN20]. **Immune** [KS00]. **Immunology** [Cyb99b]. **Impact** [CJL+18, CR15, Day08a, ERF21, ECK+15, GWMG04, Her22, HPC20, Ree16, Sch15, STG11, Van12]. **Imperfect** [Day16d]. **Impingement** [MPR18]. **Implement** [SDA20]. **Implementation** [MVUSK14, SCW+17, TLD02]. **Implemented** [Naj08]. **Implementing** [GEH+99, GDDR16, Joh06, ZFS12]. **Implicit** [RSC+14]. **Importance** [BS99b, Chu21, Fox02c, PCY14, Thy20]. **Importance-Driven** [PCY14]. **Important** [Day07c]. **Impressive** [Nai15]. **Improve** [DL23, Eis17, STG11, WJ04]. **Improvement** [MBH14]. **Improves** [Jon19]. **Improving** [AHL24, BMCC21, CJTH+13, FAFX20, Gan02, GGHM24, GDH+23, KL07, LPCY19, MM16, PSS20, SMM+11, SNCT13, YLZ17, ZQY+11]. **In-Silico** [KFS18]. **In-Situ** [BAD+21]. **In-Socket** [SG10]. **Inaugural** [WDC18]. **Incentivization** [MMR22]. **Included** [Dub07e]. **Inclusion** [Akl18, Ano23p, Ano23q, Ano23r, HGA23, Leu17, Leu20, SL18]. **Inclusive** [Deb18, MKL+23]. **Inclusivity** [Mil21]. **Income** [Slo16]. **Incompressible** [DJS13, DGK16]. **Incorporating** [JLNR19]. **Increase** [MMTD+17]. **Increasing** [DBB+21]. **Incremental** [Roo06, WLL+14]. **Independent** [EP10]. **Index** [Ano99, Ano00a, Ano01, Ano02a, Ano03, Ano04a, Ano05a, Ano06, Ano08, Ano09a, Ano11c]. **Indifferent** [Sul04b]. **Individual** [Biz16]. **Individuals** [Oli13]. **Indoor** [KLMS99]. **Induced** [FCT+10, KNKP14]. **Industrial** [Das00, Mil10, RHC+23]. **Industry** [Ano14t, Bea00, Bet99, Fei05, Gyu99, Haa99, TNR+23, WLCD01, YAA+00]. **Inevitable** [DS23]. **Infected** [Sch21]. **Infection** [O'L04c, O'L04d, Sch21]. **Inflection** [Gar17]. **Influence** [AM05, DKWL17, HH22]. **Influencers** [CHM+20a, OHK23, CHM+20b]. **Influences** [JH16, Sca16]. **Inform** [DBCN03]. **Informatics** [DBCN03, GKG+15, Liu15, MSM13]. **Information** [Ano13i, Ano14-29, Ano18c, Ano18d, Ano18e, Ano18f, Ano18t, Ano18u, Ano18v, Ano18w, Ano18x, Ano22f, Ano22-27, Ano22-52, Ano22-53, Ano22-54, Ano23e, Ano23-48, Ano23-49, Ano23-50, Ano23-51, Ano23-52, Ano24k, BBN03, BCL03, Cha08, Che10, FL99, Fox02a, Fox03c, Ged16a, HGA23, Kal99, KNV03, Lew00b, LLQ18, MO03, MSL02, Pok04, Qua18, Qua19, TDT+22, TW17, ZS07, ZYKG04, SMM+11]. **Information-Theoretic** [KNV03, TDT+22, ZS07]. **Infrared** [ML02, UGV11]. **Infrared-Scene** [ML02]. **Infrastructure** [ABM+22, ABM+24, Ale18, Cyb99b, Got02b, MTG+12, Got15, Got16]. **infrastructures** [SPS15]. **ing** [NG20]. **Initial** [LTD11]. **Initialization** [WZZ11]. **Initiative** [SDA20, Ano18-41, ES18]. **Inner** [YZC+13]. **Innovating** [Goo17]. **Innovation** [FL21, McM09, Men18, Mil17, OHK23, PG17, SSK13, WMB20]. **Innovative** [For99]. **Inpainting** [FSED10]. **Inria** [ACG+20]. **Insights** [Ano14t, Dub21, Mal07a, Sch23a]. **Inspection** [DLLZ19, DLLZ20]. **Inspired** [For00, Gor08b]. **Instabilities** [BW01, ZB04]. **Institute** [Ano18d, Ano18e, Ano18f, CGK+18, ABC+14, CHH+13, MMG+05, Par12, WDC18]. **Institutes** [WDC18]. **Institutional** [Biz16]. **Instruction** [CL01, CW05b, CW05c]. **Instructional** [Ree16]. **Instrument** [BCE+22, CBF+22, DC04]. **Instruments** [Tou03]. **Integer** [AB03, Bai00]. **Integral**

[Ama00, Ron14]. **Integrals** [Ron14]. **Integrated** [CAP+10, DDV+08, GF04, HKB12, HEH+10, JMEL08, NCB+05, PGC21, RF00, She07, WQT+16, WWJH20]. **Integrating** [CHB19, CF99b, Fox03c, Hu07, Lof22, MCE+03, YWC02]. **Integration** [ABM+24, BKB20, GK22, Nan11, Nob00a, O'L04e, Tur15, ZZYNH06]. **Integrative** [CL01]. **Integrity** [Bak21]. **Intel** [BHC+15, DADY15, HKB12, Rob13]. **Intelect** [Ano14-32, Ano15-28]. **Intellectual** [Cyb99c, SLK+20]. **Intelligence** [BB20, Gor06b, Har23, KKKM23, SGRK+18, TKM+18, Ano22w, Ano22a]. **Intelligent** [BO04, Har23, QRP22, Qua18, Qua19]. **Intensive** [AHL+11, Bry11, HPMJ12, NCB+05, SYM+21, Sza11]. **Interacting** [CHM+20b, CHM+20a, DGR+05, HL00]. **Interaction** [Kus06b, LCY+04, MRNT17, MPR18]. **Interactions** [EUD15, LBS14, SNTL13]. **Interactive** [BBW+20, DH12, HLYQ19, Lan02, Mar02, PG07, PFS21, PTH13, RR21, SDS00, Sic09, Sil02, SJF+23, TC21, VGM+09, Vor01b, WAS+12]. **Interactively** [LM07a]. **Interbeat** [TGP+06]. **Intercalation** [PAF08]. **Interconnect** [Mei03]. **Interdisciplinary** [GN08, Tan21]. **Interest** [JH16, O'L04b, SKA+02]. **Interface** [BJ02, GRE99, OW01, VGM+09]. **Interfaces** [Ben04, PV00, Shi01b, Smi99d, Smi99a, Smi99b, Smi99c, Smi99e, Smi99f, Smi00a, Smi00c, Smi00b, Smi00d, Smi01b, Smi01a]. **Interferometric** [Zeb00]. **Interinstitutional** [GCV08]. **Interior** [AMCL+23, DRR+04]. **Intermediate** [SSK02]. **Internal** [CFCD04]. **International** [Ano15b, Car09a, Car09b, CHC17, Run05]. **Internet** [Ano19x, Com99, CNO99, Day10b, Day11d, Day15a, Day16a, FGRS17, GHKZ17, Kil99, MHDM99, NLV99, Rob06, Shi07, Shi01a, Smi99b]. **Internet-of-Things** [FGRS17]. **Interns** [Lof22]. **Interplay** [BHKW03]. **Interpolation** [WLCJ12]. **Interpretive** [CNC10]. **Intersection** [Sha99]. **Intersectional** [Wri16]. **Interval** [LLQ18]. **Intervals** [TGP+06]. **Interview** [Mar99a, Sha99, WM00]. **intracardiac** [SOV+13]. **Intracranial** [WNZ+17]. **Introducing** [KNS18, Thi09b]. **Introduction** [Asr04, BLMR21, BC99, BS06a, Ber99, Bli02, BC05a, BC05b, CN03, CZ07, Cho03, CS01b, DS00, Dub07e, Dun09, Eth01, Fal06, FC09, FF03, Got06, HS03, HG02, HP04, Kar02, Kax01, KS02, Kup03, LFK+19, MR06, MS99, NC03, NL99, PV00, PS02, Pos04a, Pos04b, Pos07, RC01, Run00, Run05, SS02, ST99, Sul09a, TA05, TX07, Tes15, Thi05, TB99, TP04, TM00, VP04, VN99, War18, WR00, Win06, ZW19, Ale13, AM15, CE14, CLZ13, CF13, For16b, HP14a, MF16, Mem15, PT14, Qua18, Wai16]. **Introductory** [Ass00, Aya07, MMP+22]. **Intuitive** [Wan23]. **Invasion** [Ebr10]. **Inverse** [Chu21, XBK10]. **Inversion** [CL14]. **Inverter** [LCC+19, WCC+19]. **Investigations** [CHB19]. **Involve** [DM04]. **Iodine** [MM04]. **Ion** [TLR10]. **Ionic** [BHKW03]. **Ions** [Seg99]. **IPython** [PG07]. **IRI** [Ano20-54]. **Iron** [BKK15]. **Irony** [Day08b]. **Irregularities** [KS06]. **iSERVO** [MMG+05, Run05, YLCZ05]. **Isn't** [RMX12]. **Isosurface** [PCY14]. **Isosurfaces** [BB07]. **Isotopes** [Har18]. **Issue** [Ano15e, Ano15f, CENT22a, CENT22b, FT08, JD03, O'L06e, O'L07b]. **Issues** [HBB08, TLD02]. **Istanbul** [DSPY05]. **Iteration** [vdV00]. **Iterative** [O'L06c]. **ITS_LIVE** [LGG+23]. **IV** [Rus03, RD05b]. **Ivory** [Far99].

**J** [Sny13, Rei13]. **J0030** [AMCL+23]. **J2EE** [Lau05, Läu06, LTG07]. **Jack** [HH22, Par22, Vud22]. **Jackets** [Day10a]. **Janus** [BCC+09, Smi00a]. **Japan** [Sor19]. **Japanese** [For99]. **Java**

[Esq11, Fox03d, Has12, HRAB05, PTML09, PTML11, Thi02, Vil08, XYC05]. **Java3D** [Vor01b]. **JavaScript** [DiP18a, DiP18b, TAF+18, Zak18, dJM18]. **JHelioviewer** [MFD+09]. **jLab** [PTML09]. **Job** [Ano14l, Ano14j, Ano14k, Ano14m, Ano15j, Ano15k, Ano15l, Ano17d, Ano19-31, Ano19-32]. **Jobs** [Ano13k, Ano18-29, Ano19v, Ano20-50, Ano21-64, Ano21-65, Ano21-66, Ano21-67, Ano22-55, Ano22-56, Ano22-57, Ano22-58, SOH13]. **Johnny** [DEK03]. **Johns** [KBLE15]. **Joint** [JXY+19]. **JOSS** [KNS18]. **Journal** [Ano20-33, Ano20-34, Ano20-35, Ano21-42, Ano21-43, Ano21-44, Ano21-40, Ano21-41, Ano21-45, Ano22-34, Ano22-35, Ano22-36, Ano22-37, Ano22-38, Ano23z, Gaa03, TS10, KNS18]. **Journal-Database** [Gaa03]. **Journals** [Day08a]. **Journey** [WP22]. **Joy** [Sul00c]. **JPEG** [MFD+09]. **Jr.** [Sul03c]. **Julia** [Bit24]. **Julian** [Slo16]. **Jump** [Che99]. **Jungle** [Ben09]. **Jupyter** [Bar21b, BTK+21, FKD21, GP21, JON+21, Moo21, PFS21, Tan21, TC21, WBB+20]. **Jupyter-Enabled** [JON+21]. **Just** [Bei11b, Cho05b, Cho06c, Day15d, ERS+03, Gor06d].

**K12** [SDA20]. **Kaleao** [Goo17]. **Karlsson** [Ano21-46]. **Keeneland** [VGD+11]. **Keep** [Ano15h, Ano19-28, Ano19-27, Ano20-57]. **Keeping** [Cus14, Lew01b]. **Kernel** [Ama00, BKB20]. **Kernels** [DADY15]. **Key** [LL18, Sch99]. **Kind** [BC02]. **Kinetics** [MDK16]. **Kink** [LH06]. **Kiosks** [Day18c]. **Kits** [WSG24]. **Klaus** [Hei22]. **KMAX** [Goo17]. **Knee** [ZCXM99]. **Knights** [DADY15]. **Know** [DC04, Hin20b, MAFM21, O'L05g, SHPL12, Sul03a]. **Knowing** [Day13c]. **Knowledge** [GSB+12, KB04, KS01, QSEQJFH20, Ano17-29, Ano17-30, Ano18-42]. **Knowledge-Management** [GSB+12]. **Kokkos** [TBVP+21]. **Kriging** [XZL+19]. **Krylov** [Saa22, vdV00]. **KSS** [KSSF11].

**Lab** [CC99, DDV+08, MVUSK14]. **Lab-Data** [CC99]. **Label** [GYL+17]. **Laboratories** [AM15, MBB+22, Sil02]. **Laboratory** [DZW+05, KBLE15, KT08, Shi01b, MTBG+22]. **LabView** [Shi01a]. **Lake** [VVNV18]. **Land** [WSY+22]. **Landau** [Osk07]. **Landscape** [Cho06b]. **Landscapes** [MB99]. **Lane** [LL19]. **Language** [Cho12, Gor06b, HBG+20, Mil21, SS06, Shi00c, Shi00b, Taj10]. **Languages** [AWHD23, BFS04, DS12, Hin18c, JWLG14, KC24, LSBC22, MMG08, PMM+08, Wol21]. **LAPW** [DPP+01]. **Large** [Ama00, BLO+22, CS14, CS15, DJS13, DMXR+14, Eis17, GL99, Gob05, HHF+14, HMB+14, JPE20, Jon15, KMSH10, LWF10, LCY+04, Luo12, Ma16, MWE08, MFD+09, PCY14, Sah03, SBH+00, SKNV03, Ste99, TB11, TNV+02, VKN99, Wes21, WNDV21, YWMM04, ZJW08]. **Large-Eddy** [DJS13, YWMM04]. **Large-Scale** [Ama00, CS14, CS15, DMXR+14, Eis17, GL99, Gob05, HHF+14, HMB+14, JPE20, Jon15, KMSH10, LWF10, LCY+04, Ma16, MWE08, Sah03, Ste99, TB11, VKN99, Wes21]. **Larger** [GAB+22]. **Laser** [LBS14, MM04, TDB09]. **Laser-Plasma** [LBS14]. **Last** [Day12e, Day13d, O'L06e, O'L07b]. **Later** [BS99a]. **Latin** [MHC+18]. **Latina** [DVS22]. **Lattice** [Ale15, Bog03, Mor15, Pek04, Sch20, Sch23c, SFSK01, WNZ+17]. **Lattices** [Rei02]. **Law** [Fla17, FF03, Gar17, Mei03, TW17, TFS17, Wes03]. **Lazy** [LT09]. **Leaders** [Ano14t, OHK23]. **Leadership** [Ano17-31, Got14a, HP14a, HP14b, LUMM14, Leu20, WG15]. **Leading** [Ano16-47, Ano16-48]. **Leaf** [DB07]. **Learn** [Guo23, MPRU23, Ste14, Wil08]. **Learned** [DADY15, HLS+16, KKO+20, KB09, Tha08a, Wit21]. **Learning** [Ale13, Bar20b, Che19, Cho05f, Cho08e, Cyb01, Gia22, GVB15, GPMSC20, KC24, Les16, LWG19, MSM13, Muz19, NG20,

NWP19, PTH13, Rob04, SR13, Sul17, Thi12a, VB22, WLL+14, WCP17, YMHQ19, ZWYL20, Sny13]. **Learns** [Gor06b]. **Least** [Dub08a, Rus01a, Rus02]. **Legacy** [BJ02, Lov04, O'L06a]. **Legal** [Sto09]. **Legate** [BLP+21]. **Legendre** [Nob00a]. **Lego** [Day10a]. **Length** [Gyu99]. **Lens** [SL18]. **Lesbian** [Wri16]. **Lesions** [Gig00]. **Less** [Ano15s, Sul03d, Ano15t, Ano15u, Ano15v]. **Lessons** [DPBS16, Day09c, DADY15, Fom15, HLS+16, KKO+20, KB09, Tha08a]. **Let** [Sul05b]. **Lethality** [SKC02]. **Letters** [Ano04b, Ano07, Ano18y, Ano18-30, Ano19-29, Ano19-30, Kil99, MBS+00, MHDM99, NLV99]. **Level** [DAEJ18, MMG08, Rag06, Rob06, RR21, SDA20, VMK20]. **Levels** [HC17]. **Leverage** [MPRU23]. **Leveraging** [AAAH+16, KFS18, MBH14]. **Levitation** [JLYL19]. **Lexicon** [TAF+18]. **LHCb** [TJCC20]. **Liberal** [SL18]. **libflame** [VCvdG+09]. **Libraries** [BWC01, Gar06, Her24, Mas06]. **Librarization** [BKS15]. **Library** [BS21, Cho08c, FKB+13, Moo21, SL99, TAF+18, Thi10, VCvdG+09, dJM18, Ano14-55, Ano14-56, Ano15-48, Ano15-49]. **Licensing** [Sto09]. **Licensure** [Tho12]. **Life** [Esq11, Gor05a, HE05, KB09, LGJ+19, Lov04, Ome06, Shi00d, Smi99c]. **Lifecycle** [CHB19]. **Light** [Fei05, JMFJ01, OR12, SYP08, TM15]. **Lighting** [NG20]. **Like** [BST+13, CJ16, MPRU23, OS03, Sul06c, Wat21]. **Limb** [XHL+13, YMHQ19]. **Limits** [Die12, Fra02, PS02]. **LIMS** [Shi03]. **Line** [BW14]. **Linear** [GS03, HH22, Nas00, O'L05c, O'L06c, Rus01a, ZZPC06]. **Lines** [CT00, WT12]. **Lingua** [WHH22]. **Linkage** [Dal99]. **Linked** [WCC+02]. **Linking** [Ale18]. **LinkSCEEM** [Ale18]. **Linux** [Thi04]. **Lip** [GMPR11]. **Lip-Contour** [GMPR11]. **Liquid** [BW01]. **Listening** [CW06]. **Literacy** [Tur14b]. **Literate** [LCG+20]. **Literature** [KS20, Sch01]. **Litter** [JJ15]. **Little** [O'L06f, Shi00b, Day09c]. **Live** [Gar17]. **Living** [Rad21]. **LLNL** [NdS17]. **Load** [CS01a]. **Load-Balanced** [CS01a]. **Loading** [BWC01, STG08]. **Local** [Thi10, TLD02, YLR02]. **Localization** [SS11]. **Loci** [ZL09]. **Locomotive** [WCC+19]. **Logical** [Har23]. **Logs** [MSR15]. **Lonely** [Bau08, Sul08b]. **Long** [AISR+21, Gar17, HS12, PSR+00, RBC+19, SBH+00, Smi00c, TNR+23]. **Long-Range** [PSR+00]. **Long-Term** [AISR+21, HS12, RBC+19, TNR+23]. **Look** [Bog03, Kir03, Lew02b, O'L06b, Ste99]. **Looking** [Ano19-31, Ano19-32, Her21, Sch17b]. **Lookup** [KEF07]. **Loop** [LM07a]. **Loss** [KNKP14]. **Loss-of-Consciousness** [KNKP14]. **Lossy** [SSP06]. **Lot** [O'L06f, Sch14]. **Lots** [Cho05a]. **Lottery** [Cyb99c]. **Love** [Ano18-40, Wit21, Day12f]. **Low** [ABNZ09, CJTH+13, CS18, JPK01, RR21, Slo16]. **Low-Cost** [CJTH+13, JPK01]. **Low-Dimensional** [CS18]. **Low-Income** [Slo16]. **Low-Level** [RR21]. **Lower** [YMHQ19]. **LQCD** [BST+06].

**M** [Wep15]. **M87** [PRCL+22]. **Mach** [ABNZ09]. **Machine** [Ale13, Cyb01, Gia22, Gor06c, MSM13, NWP19, PTH13, SR13, VB22]. **Machine-Based** [NWP19]. **Machines** [Che19, DPP+01, HP15, Hin17b, KM12, LWG19, WC17]. **Macromolecular** [TGP13]. **Macroscopic** [HT99]. **Madagascar** [Fom15]. **Magazine** [SCBT18, Thi15b]. **Magazines** [Ano13d, Ano14e, Ano14f, Ano14g, Ano14h]. **Magic** [Har18, Hin20a]. **Maglev** [DLW+19]. **Magnetic** [MB07, SV14, TL08b]. **Magnetism** [Ass00].

**Magnetohydrodynamic** [MRNT17]. **Magnetohydrodynamics** [GPZ+04]. **Magnetron** [FMB+07]. **Mainstream** [DD05]. **Maintaining** [Dub05b]. **Major** [Ano16n, Ano16o, Ano16p, Ano17p, Ano20n, Ano21y, Ano21z]. **Majors** [Slo16]. **Mak** [NG20]. **Makes** [Bei10c, Day08c]. **Making** [Bar11, CE18, FS12, Kra03, LLQ18, Nob07, PF04, Rag06, RSZ+20, RSZ+21, SKC00, Sul02a, Wil06, YaL10]. **Male** [Deb18]. **Manage** [KB04]. **Managed** [NCB+05]. **Management** [Ano18z, Ano19y, CDL+23, CF13, DVR+19, DBH+02, FWGB07, GB20, GSB+12, HL01, KPA+16, MWE08, MSL02, NKV99, NSLD99, PGF+15, SOH13, STM99, SBZB13, SF11, TSFG08, TL04b]. **Managing** [BDCT05, DD23, FB04, GP15, Hin12b, KB09, O'L06d, RMX12]. **Manifold** [ZWYL20]. **Mantle** [MGZ00]. **Manufacturing** [FM13, SGW02]. **Many** [BFL+22, BOS07, CWOL11, GHKR11, HKB12, KSP12]. **Many-Core** [BFL+22, CWOL11, GHKR11, HKB12]. **Map** [ZDW+07]. **Maple** [CW05b, CW05c, CW05d, CW05e, Dub00, Ron14]. **Mapping** [JJ15]. **MapReduce** [Coh09]. **Maps** [KSSF11]. **March** [Day18c]. **Marching** [DSC+09]. **Marine** [Cor07, JJ15]. **Marker** [ACQ+20]. **Marketing** [Ano00b, Smi99b]. **Markov** [DJ02, Ran06]. **Mars** [MRNT17, VPL18]. **MARTE** [RGD13]. **Mass** [BZL+07]. **Masses** [DMXR+14]. **Massive** [Ber99, Gor06d, O'L06d, Ott16]. **Massively** [BGHR06, BRS22, CWOL11, KKO+20]. **Master** [Peo20]. **Mastering** [Hin17a]. **Masthead** [Ano13l, Ano13m, Ano14-33, Ano14-34, Ano14-35, Ano14-36, Ano14-37, Ano14-38, Ano15-34, Ano15-29, Ano15-30, Ano15-31, Ano15-32, Ano15-33, Ano16-31, Ano16-32, Ano16-33, Ano16-34, Ano16-35, Ano16-36, Ano17q, Ano17r, Ano17s, Ano17t, Ano17u, Ano17v, Ano18-31, Ano18-32, Ano18-33, Ano18-34, Ano19-37, Ano19-33, Ano19-34, Ano19-35, Ano19-36, Ano20-63, Ano20-58, Ano20-59, Ano20-60, Ano20-61, Ano20-62, Ano21-68, Ano21-69, Ano21-70, Ano21-71, Ano21-72, Ano21-73, Ano22-61, Ano22-62, Ano22-63, Ano22-64, Ano22-65, Ano23-59, Ano23-60, Ano23-61, Ano23-62, Ano23-63, Ano24m]. **Matching** [XXK+02]. **Material** [ASLK22, BCB07, BMS99, CBB06, Eis17, LFC01, NKV99, SGW02, SÖS+00]. **Materials** [AGM+00, BNNM04, EKCS12, GL99, KNG10, Kax01, KES+22, KS01, LHN+12, Lew10, MJAK09, Osk07, PZJS10, Saa09, SDA+14, SKNV03, STH22, ZS07]. **Math** [Bur99, Can99, Mar99a, Rei13, TM14]. **Math-Style** [Rei13]. **Math.Js** [dJM18]. **Mathcad** [Bur99]. **Mathematica** [CW05b, CW05c, CW05d, CW05e, Com99, MAC08, Shi02a]. **Mathematical** [BB01, DM04, HAB17, HHR02, McK00, OW01, Shi99]. **Mathematicians** [Sch23a]. **Mathematics** [Coo14, Gra08b, RHC+23, dJM18]. **MathML** [LVWK02]. **MathScript** [Com99]. **Matlab** [CW05b, CW05c, CW05d, CW05e, Coo14, Edd09, Has12, MAC08, Ono01]. **Matplotlib** [Hun07]. **Matrices** [O'L14]. **Matrix** [Kir03, LGG+22, O'L06e, O'L06g, SL99, Ste00, VCvdG+09]. **Matter** [DCWH07, Deb18, O'L05d]. **Matters** [Ano14-39, Ano14-40, Ano14-41, Ano14-42, PKST08a, PKST08b, PKST08c]. **Maximizing** [CF13]. **Maximum** [CRNO23, HSJ+19, PA12, Sch16]. **MaxLike** [SMM+11]. **May** [Dub08a, Smi99a]. **Mayavi** [RV11]. **MCALab** [FSED10]. **MDBN** [GYJL20]. **MDE** [RGD13]. **Me** [BS99a, Day13c, Dub06b, Dub07c]. **Meandering** [O'L06c]. **Means** [O'L06f, Pie04]. **Measure** [CRDO16]. **Measurement** [Tou01, VSG+02]. **Measurements** [DMA+21, O'L13]. **Measures** [YLZ+19]. **Measuring**

[COS+15, DYY+17, SBZ+08]. **Meatspace** [Day12b]. **Mechanical** [JS99, Roh10]. **Mechanics** [Ara99, BC03, BCB07, Ben00, Can99, Com99, CFCD04, Gut01, JCPS14, LWSK07, Mal00, MSR+16, Ono01, Reb99, Sch16, Sil00, Tho99c, XYC+09]. **Mechanism** [Cho08g, XDK+20]. **Mechanisms** [WBB+20]. **Mechatronics** [Cra03]. **Media** [CHM+20b, CHM+20a, Day13f, KM99, Sah03]. **Mediated** [WLCD01]. **Medical** [CLZ13, Eng15, Gig00, Gor08c, Luo12, PL07, QPCJ07, TMC+13]. **Medicine** [WR00]. **Mediterranean** [Ale18]. **Meep** [LFN+11]. **Meets** [Bei09c, CT00, Fox02a, Haa99]. **Membership** [Ano13n, Ano13o, Ano14-39, Ano14-40, Ano14-41, Ano14-42, Ano17x, Ano17y, Ano17z, Ano17-27, Ano18-35, Ano18-37, Ano18-36, Ano18-46, Ano17-28, Ano17-29, Ano17-30, Ano18-42]. **Membrane** [FGP99, Wol16]. **Membranes** [TLR10]. **Memory** [AAAH+16, DAEJ18, DPP+01, O'L06b, PKST08b, VM15]. **Mental** [Jef22]. **Mentoring** [Bar11]. **Mercer** [Mar02]. **Mercury** [MW14]. **Merger** [BVT+21, DMA+21, Smi99e]. **Merging** [WC17]. **Merit** [EVL+17]. **Merwin** [Ano14-43, Ano17-31, Ano18-38, Ano21-74]. **Mesh** [Bry99, DBB+21, LJWC06, MCAA05, NSLD99]. **Meshes** [O'L06d]. **Mesoscale** [DGR+05]. **Message** [BBG+01, Fox02b, Vin12]. **Messages** [Bau08]. **Metadata** [Fox03a]. **Metal** [KLS01, WM00]. **Metamorphic** [KC19, LSN20, LSPN21]. **Metaphysics** [Cho07a]. **Metaprogramming** [MM18]. **Method** [ASLK22, Ama06, Bas14, BS06b, BGHR06, CL14, CLC03, DAEJ18, Fra07, GH00, IHL+02, LGJ+19, Nas00, RK05, Rei02, WNZ+17, WCC+19]. **Methodology** [APC+19, TKM+18]. **Methods** [ATG05, BW06, BS06a, Coo14, Fel00, GS03, GPC08, HMB+14, JSNR11, JHJ01, KS20, MS07, O'L06c, O'L06d, OL06h, Ork09, Oug03, PP20, Saa22, SÖS+00, STB03, TK06, TLD02, Wep08, XBK10, Yav06, YLR02, Seg99]. **Metropolis** [BS00c]. **MFiX** [BAD+21]. **MFiX-Exa** [BAD+21]. **Michelson** [Ste02]. **Microanatomy** [DZW+05]. **Microarray** [RRN20]. **Microbiology** [Nai15]. **Micromagnetic** [Zhu16]. **Micromap** [WCC+02]. **Microprocessor** [WJLY08]. **Microscopy** [BDF+20, SRM+07]. **Microsoft** [Smi99e]. **Microstructural** [BP99]. **Microstructure** [CBS14]. **Microstructures** [LFC01]. **Microwave** [BCJK99, BKK15, CPdlF+12]. **Middle** [Les16, Sca16, Thi02]. **Middleware** [TBM+19]. **Might** [PK18]. **Migrating** [TSKG03]. **Millenium** [ZAF+01]. **Millennium** [Cyb00c]. **Millisecond** [Fox04b]. **Mills** [Ano14y, Ano18p, Ano20-36, Ano21-47, Ano21-48]. **Mind** [Day12d]. **Mind-Reading** [Day12d]. **Mine** [Ged16a]. **Mines** [Jon15]. **Minimal** [JCC+10]. **Minimization** [BOS07]. **Minimum** [CRNO23]. **Minimum/Maximum** [CRNO23]. **Mining** [FAFX20, GM02, Kar02, KNV03, KJ04, RBK02, TNV+02]. **Minor** [GCV08]. **Minority** [HG00]. **Mirrors** [Day16d]. **Misinformation** [Day19a]. **Mission** [Cho05c, MKL+23]. **Mission-Driven** [MKL+23]. **Missions** [EVL+17, MSB+14]. **Mistakes** [MPRU23]. **Mitigation** [KMM+11]. **Mixed** [Hin18a, Tou01]. **Mixed-Signal** [Tou01]. **Mixing** [Ran06]. **Mobile** [ACQ+20, Ano14-47, Ano14-48, BB20, DYY+17, GHKZ17, SdPV21]. **Mochi** [CDL+23]. **Modality** [KEF07]. **Mode** [SCW+17, SD11]. **Model** [ASM+14, ACF18, Bak21, CPdlF+12, Cos22, DJ02, GGJD23, GB20, GVB15, GWA+07, Gyu99, HLYQ19, HSJ+19, JCC+10, JLYL19, Lan06, ML02, NWP19, O'L07a, O'L07b, PHW+21, QSEQJFH20, Rad21, Ree16, Sch21, Sch23c, War18, YWC02, YLR02, dOMdO+04]. **Model-Order** [CPdlF+12]. **Modelica**

[SU22]. **Modeling** [ASM+14, ABK+02, AMS14, Ano15e, BMCC21, BPH+13, BPMKC21, BZL+07, Bri23, CAP+10, Cas16, CF99b, CYW01, Cho07a, CS01a, CNO99, FSD02, FGR+07, FGG+22, FGRS17, GSB+12, HAB17, Har04a, HDB+04, HPKS04, Hus22, Ikk16, IK05, IHL+02, IBPV03, JLP+10, KM99, KES+22, Kel10, KL10, KHC+07, KB07, LWF10, Lum07, MRNT17, MM18, Muz19, Nai15, NW15, Orf21, Owe01, Par16, PHW+21, Put16, RRH+02, RC01, SU22, Sch21, Seg99, STG11, SNCT13, SV14, STH22, SS02, SKA+02, STB03, Str10, TM15, TA05, TX07, TAHP23, Tie16, VSE01, Wai16, WCHRM21, WHM+02, WCGB05, WPW11, WSY+22, WPZ00, YM14, Yas17b, ZS07, ZQY+11, ZCXM99, ZS23, dA03, Beh05]. **Models** [ATRA00, Ben04, CS18, DLLM04, GEH+99, Gia22, GW15, HHR02, HGV+08, Hin23, KKO+20, Liu15, Luo12, MT00, McK00, MSD10, MRHP23, New00, O'L04c, O'L04d, Pek04, Pie04, PD02, PSR+00, SETK05, She07, WWJH20, XHL+13]. **Modern** [Alt10, Cho09a, Cho09b, Day15e, DS12, Hu07, Mol12, RMX12, Sch14, SBB+15, WC17]. **Modernization** [NdSS17, NdS17]. **Modify** [KRR+12]. **Modifying** [Tof09a]. **Modular** [SZM+13, VS23]. **Module** [KB07, TGEA09]. **Modules** [Bar20b]. **Molding** [JMFJ01]. **Molecular** [BST+13, BH02, CJTH+13, Cho08g, Col18, EP10, HBD+23, HE05, IBPV03, KES+22, KFS18, LNI+19, Mal07a, Mar99b, NKV99, NMCM22, PZJS10, Rei02, TDB09, TX08, Vor01b, WDC18]. **Molecular-Dynamics** [NKV99]. **Molecular-Scale** [Rei02]. **Molecule** [Gor06a, NLGNJ13]. **Molecules** [McC21]. **Moler** [Mar99a]. **MolSSI** [NMCM22]. **Money** [SW10]. **Monitoring** [KNKP14, LGG+23, VVNV18]. **Monotonically** [GF04]. **Monte** [Ama06, BS06a, BS06b, BOS07, DCC10, Day13e, Eng09, EKCS12, Fel00, GH00, LSDP+04, Lui06, Nob02a, OASFLAB09, Ork09, PPE00, SWDR22, SG00, Sul17, VWP12]. **MOOC** [Kra15, PQQ20]. **Moon** [Lan02, MM14]. **Moore** [Fla17, FF03, Gar17, Mei03, TW17, TFS17, Wes03]. **Morley** [Ste02]. **Morphogenesis** [MHK+06]. **Morphologies** [BMCC21]. **mOSAIC** [JCPS14]. **Most** [Orf21]. **Motion** [JRP+17, VWL+11, YZC+13]. **Motions** [BHKW03]. **Motivation** [MM12]. **Motors** [Cho08g]. **Mountains** [JJZC10]. **Mouse** [ERS+03, SRM+07]. **Mouth** [GMPR11]. **Mouth-Structure** [GMPR11]. **Movable** [And11]. **Movement** [DL00]. **Movie** [Kra03]. **Moving** [LTD11, MB11, WJLY08]. **MPI** [CNC10, Ong02]. **mpi4py** [DF21]. **MPPs** [DSSS05]. **Mr** [Day09b]. **Mr.** [Smi00b]. **MRI** [HMA00, MWC+16]. **MRICloud** [MWC+16]. **Mrs** [Smi00b]. **Multi** [Ano16-47, Ano16-48, RRN20]. **Multi-Core** [Ano16-47, Ano16-48]. **Multi-Objective** [RRN20]. **Multiagent** [YYL+18]. **Multiagent-Based** [YYL+18]. **Multiagents** [Naj08]. **Multicanonical** [GH00]. **Multicellular** [CAS+07]. **Multicharacterization** [ALH15]. **Multicomponent** [Dub21]. **Multicomputers** [SWPB00]. **Multicore** [Gor07c, KM12, WJLY08]. **Multicriteria** [LLQ18]. **Multics** [MKM+14]. **Multidimensional** [HW15, NSP12, O'L04e, SKNV03, YKD+03]. **Multigrid** [BW06, BGHR06, Fal06, MR06, O'L06d, OL06h, Yav06]. **Multilevel** [PLW17]. **Multimedia** [EGFL12, Shi00c]. **Multimillion** [BW14]. **Multimillion-Line** [BW14]. **Multimodal** [LPB13]. **Multimodel** [SPJ+14]. **Multipart** [Ben00]. **Multiperspective** [LHGX18]. **Multiphase** [BAD+21, FPRK16]. **Multiphase-Flow** [FPRK16]. **Multiphysics** [Dub21, Gra08a, GZC14, KVP+16, KVP+17, TA05]. **Multiple** [Bea00, DKWL17, FM19, Kus06a,

LPY18, Smi03]. **Multiple-Choice** [Bea00]. **Multiple-Precision** [Smi03]. **Multiple-Scales** [Kus06a]. **Multipole** [BS00d, MBS+00]. **Multiprocessing** [SMF+23]. **Multiscale** [BPH+13, FMKS08, GZC14, GNB+09, Hym05, IHL+02, LVLA14, MM18, MCAA05, NBK+01, PAF08, Pey11b, SNCT13, SFSK01, SKC05, XKG05]. **Multisensor** [HSJ+19]. **Multisensory** [Har04a, Lof03, Rob04]. **Multitask** [GVB15]. **Multiterabyte** [TSKG03]. **Multithreaded** [MAG21, SZM+13]. **Multitier** [PSS20]. **Multivariable** [XZL+19]. **Multivariate** [AMCH07, DH12, HH99, JMEL08, Liu15, SETK05, TDT+22]. **Multiyear** [JH16, Wol16]. **Muscle** [YCZ07]. **Muscles** [Roh10]. **Musings** [Cho07a]. **Mutation** [HK09]. **My** [Bei12c, Ben09, Day06b, Day10c, Day10d, Day14c, MM14, TL08a, Toh08]. **myComputer** [Ano13p]. **myCS** [Ano17w, Ano18-39, Ano18-40]. **MyDB** [LT08].

**N** [Mol12]. **Naked** [Läu08]. **Nallatech** [SG10]. **Nanobiological** [FMKS08]. **nanoHUB.org** [KMB+08]. **Nanoparticles** [KLS01]. **Nanophotonics** [BVB+07]. **Nanoscale** [SKL10]. **Nanoscience** [RC01]. **Nanoscopic** [Kyr08]. **Nanostructured** [KNG10, PZJS10, VWP12]. **Nanosystems** [NBK+01]. **Nanotechnology** [KMB+08, RC01, SMC01]. **Nanotubes** [SMC01]. **NASA** [DM12, LAY04, MB11, MR13, MM14, Mem16, SM17, SNCT13, Sim13, SV14, YLR02]. **Nascent** [Tan21]. **National** [MTBG+22, MBB+22, Tow18, Ano18-41, ES18, LBS14, TML+23, Tou03, WG15]. **Native** [AAB+21, LGG+23]. **Natural** [ASLK22, Asr04, FWGB07, HBG+20, KB04, MT00, TL04a, YHWY05]. **Nature** [Hin23, NTW07, Run03, Rus01a, Rus01b, Rus02, Rus03]. **Naval** [PAN+16b]. **Navigating** [PSJ+21]. **Navy** [MSR+16]. **NavyFOAM** [KSM+17]. **NCSA** [KKKM23]. **Near** [CW05e, Cho08c, JRP+17, MM13, ZMM03, Zei17]. **Near-Fault** [JRP+17]. **Near-Field** [ZMM03]. **Nebulae** [WAS+12]. **Necessary** [Toh07]. **Necessity** [Hem10]. **Need** [Day14e, Lew00a, WBP+19]. **Needed** [Ano15-37, Mes15]. **Needs** [HG02, Jef22, Thi13d]. **NEEShub** [HEB+11]. **Negative** [Bot16]. **Negotiating** [SDA20]. **Negotiations** [BFS04]. **Neither** [DS23]. **NEMO** [KL10]. **Nene** [KPM10]. **NERSC** [BKK15, ECK+15, YBBP15]. **Nerve** [Has08]. **NESM** [MSR+16]. **Nest** [Dub05c]. **Netherlands** [MOBD+22]. **Network** [Cas16, NCB+05, Put16, ZZS+19, ZGR+17, ZZC+19, ZZYNH06]. **Networking** [ALH15, Ano18-43, Ano18-44, BMC99, Hoe10, Thi06]. **Networks** [ABK+02, Day13c, Fox01, Gor06c, JLP+10, LTD11, LWG19, PI16, Seg99, ZYKG04]. **Neural** [CWOL11, Fra07, Gor06c, JLP+10, ZZS+19, ZZYNH06]. **Neurocognitive** [Muz19]. **Neuroimaging** [SL03]. **Neuroinformatics** [MWC+16]. **Neuromorph** [Boa17]. **Neuronal** [Seg99]. **Neuroscience** [BFF12]. **Neutrino** [Cho07b]. **Neutron** [AMCL+23, ZS23]. **Never** [Dub07d]. **News** [BCC+99, Bur99, CC99, GJ03a, GJ03b, Gor03, Gor04a, GH04, Gor04b, Gor04c, Gor05c, Gor05d, Har04b, JG03, Jac03, LG03, Nob00b, Shi99, Shi00c, Shi00b, Shi00d, Shi00a, Shi01a, Tou00, Tou01]. **Next** [BBWW22, DS23, Ged16a, HP15, KKKM23, McM09, NMCM22, Sul02c, Tha14, Thi04, Thi15c, Wil17]. **Next-Generation** [Ged16a, HP15, KKKM23, McM09]. **Nice** [Hem10]. **NMR** [EWN+13, XXK+02]. **No** [Day09b, Ome06]. **NOAA** [War18]. **Nobel** [Day12e]. **node** [YLCZ05]. **Noise** [ATG05, GLS07, KPD+99, Kus06b]. **Nominate** [Ano19-38]. **Nominations** [Ano14y, Ano15g, Ano16c, Ano16d, Ano16n,

Ano16o, Ano16p, Ano17a, Ano17b, Ano17p, Ano18b, Ano20n, Ano20s, Ano20-36, Ano21y, Ano21z, Ano21-48, Ano22c, Ano24a]. **Nominees** [Ano15c, Ano16c, Ano16d, Ano17b]. **Nonconventional** [ZAF+01]. **Nonequilibrium** [MCAA05, dKCAY00]. **Nonlinear** [Bea00, FL05, JCC+10, LWG19, MS07, Rus02, YCKK03, ZB04]. **Nonstationarity** [ZB04]. **Nonuniformly** [HH06]. **Nonvolatile** [VM15]. **Norm** [O'L05d]. **Normal** [KS13]. **Nose** [LQZL19]. **Note** [ACF18, NSR10]. **Notebooks** [PFS21, Tan21, WBB+20]. **Novel** [CXC+20, FMB+07, KTG08, Kin09, LCC+19]. **Novelty** [Cho06e]. **Novice** [Sma12]. **Novo** [GLS11]. **Novo-G** [GLS11]. **NP** [Sul04c]. **NSAP** [LZZ17]. **NSF** [Dub15b, Got15, Got16, Got17, Mor15, WNDV21]. **NSF's** [WDC18]. **Nuclear** [Liu11]. **Numba** [BS21, KWBB22]. **Number** [ABNZ09, Ano05a, KM12, Peg12]. **Number-Crunching** [Peg12]. **Numbers** [Bau08, Hil15]. **Numerical** [BKB20, CBS14, Die12, Ful06, GRS08, HH22, HT99, Hu07, KL07, Lud13, LL11, MGZ00, Moy06, MSS09, Nob02b, Pes03, Pey11a, Pey11b, Pey11c, Ram18, RK05, SA08a, SA08b, SS11, STTV05, Sul99b, Sul06b, Tur14b, WWJH20, XBK10, ZZYNH06, ZS23, vdWCV11]. **NumPy** [PSSP15, vdWCV11]. **Nvidia** [EH22, HKB12].

**Oak** [MTBG+22]. **Object** [BJ02, Fox02c, GRE99, TSKG03, YaL10]. **Object-Oriented** [BJ02]. **Objective** [RRN20]. **Objects** [And11, Läu08, RMX12, TML+23, Tof09b, IK05, Tob05]. **Obscure** [Shi00a]. **Observation** [AMCL+23, BVT+21]. **Observations** [The03]. **Observatories** [BHF+08]. **Observatory** [Run05]. **Observer** [Shi02b]. **Obtaining** [Azo06]. **Occasion** [Pre09]. **Occupation** [HSJ+19]. **Ocean** [BHF+08, MRHP23, WHM+02]. **oceanographic** [IK05]. **off** [NLV99]. **Office** [MWE08]. **offs** [PKST08c]. **Oh** [Sul02d]. **OK** [Day11f]. **Olfactory** [WJ04]. **Olio** [Shi00a]. **Olive** [GYF+10]. **OMEN** [KL10]. **Once** [Smi01a]. **One** [Ano17-29, Ano17-30, Ano18-42, Bar11, BOS07, Day11b, Dub15b, Wil16]. **Online** [Ano15e, COS+15, GPMSC20, GDDR16, Mar02, WCC+19]. **Only** [Smi99b]. **Onward** [Sul01a]. **OOF** [LFC01]. **Open** [ABC+14, AM15, Ano19-28, Ano19-27, Ano20-33, Ano20-34, Ano20-35, Ano20-56, Ano20-57, Ano21-42, Ano21-43, Ano21-44, Ano21-40, Ano21-41, Ano21-45, Ano22-34, Ano22-35, Ano22-36, Ano22-37, Ano22-38, Ano23z, Bar20b, BCB07, CC03, CBB06, EAF+23, GSK+23, KBLE15, KNS18, MMP+22, MCGA22, Owe01, PGC21, Thi12a, Tow18, WCHRM21, WBB+20, WCC+19, JRD+13, LFN+11, PGF+15]. **Open-Circuit** [WCC+19]. **Open-Source** [CC03, CBB06, MMP+22, MCGA22, Owe01, PGC21, WCHRM21]. **OpenACC** [STH22, SMSC22]. **OpenCL** [BS21, Di 14, PCY14, RGD13, SGS10]. **OpenGL** [XYC05]. **Opening** [DiD03]. **OpenMM** [EP10]. **OpenMP** [BST+13]. **OpenOffice.org** [DiD03]. **OpenPNM** [Put16]. **Opens** [SP18]. **OpenSees** [McK11]. **Operation** [BDCT05]. **Operational** [Cos22]. **Opinion** [OHK23]. **Opportunities** [Ano23s, BLO+22, DPG+12, EUD15, GPL09, Guo23, Hin18a, LM07b, SL18, TGP13, VM15, WPW11, WCP17, THGS07]. **Optical** [GBPR11, HBD+23, HOÖ99, HJLH03, SGA03, ZMM03]. **Optical-Disk** [ZMM03]. **Optics** [Kup03, Oug03]. **Optimal** [ARO+11, BKB20, BHL99, Bet99, MGFRL+12, WQLZ18, Zei17]. **Optimization** [Boe00, EVL+17, PSA14, SH10, SR12, XZL+19, YAA+00, ZLTX19]. **Optimize** [For01]. **Optimized** [GJP24]. **Optimizing** [DADY15]. **Option** [GEH+99].

**Option-Pricing** [GEH+99]. **Options** [Ano17x, Ano17y, Ano17z, Ano17-27, Ano19-28, Ano19-27, Ano20-57, Ano17-28, Ano23s]. **Orbit** [NLV99]. **Order** [ASM+14, CPdlF+12, Pie04, SÜP+11, SSG16]. **Oregon** [Lan04]. **Org** [SD11]. **Org-Mode** [SD11]. **Organ** [XYC+09]. **Organic** [BMCC21]. **Organisms** [CAS+07, CFCD04]. **Organizational** [Cos22]. **Organizations** [Deb18, KMB+19]. **Organizing** [PBD+11]. **Oriented** [BJ02, DGR+05, FGRS17, LZZ17]. **Origin** [Saa22]. **Orthogonal** [Bal99, GYL+17, Rei21a, Rei21b]. **Orthogonality** [Nob02b]. **Oscilloscopes** [Tou01]. **Other** [BS06b, HBG+20, PMM+08, Shi03]. **Our** [Ano20-71, Bec15, Cho05f, CW06, CMN00, Day16d, Dub08a, WM00]. **Outlook** [ACG+20]. **Output** [WCC+19, YMHQ19]. **Outreach** [HPC20, JPMG08]. **Outward** [Cho04]. **Over-the-Horizon** [Cho05b]. **Overcome** [Gar17]. **Overcoming** [GK22]. **Overlap** [Ale15]. **Overload** [Thi13b]. **Overview** [FB04, Han03, Ork09]. **Oxygen** [MM04]. **Oxygen-Iodine** [MM04].

**P** [Sul04c]. **Pace** [Cus14]. **Package** [FM19, PMFM14, Put16]. **Packages** [BUS21, Guo12]. **Packard** [Got02a]. **Page** [Cho08e]. **Pages** [Mal00]. **Pain** [ACQ+20]. **Paleontology** [Lew02b]. **Palm** [Ano15i]. **Pandemic** [Jef21, PHW+21, PQQ20, WCHRM21]. **Pandemics** [RSZ+20, RSZ+21]. **Panel** [DMT+21]. **Papers** [Ano14d, Ano14a, Ano14u, Ano15e, Ano15f, Ano15w, Ano16l, Ano18g, Ano20t, Ano20u, Ano20v, Ano20-44, Ano20-45, Ano20-54, Ano21-32, Ano21-33, Ano21-53, Ano21-54, Ano21-55, Ano21-56, Ano21-57, Ano21-58, Ano22x, Ano22y, Ano22w, Ano22z, Ano22-41, Ano22-42, Ano23-32, Ano23-30, Ano23-33, Ano23-34, Ano23-31, Ano23-35, Ano24g, Ano13a, Ano14b, Ano14c, Ano15d]. **Parachute** [STB03]. **Paradigm** [AAGH17a, AAGH17b, TX08, ZGR+17]. **Paradigms** [AWHD23, PARD13, ZAF+01]. **Parallel** [BGHR06, BBG+01, BRS22, CF03, CWOL11, CNC10, CL12, CS14, CS15, DBH+02, Di 14, DPP+01, Esq11, Fal09, Fox02b, FPRK16, GHK+08, HW15, Hil15, Hin07, Jer13, KKO+20, MAG21, Ong02, QPCJ07, Raf16, Rag06, Rag07, Rob13, SA08b, SCW+17, SÖS+00, SGS10, TLD02, VGM+09, VCGS11, Vor01a, WCAL14, Wol21, Zei17]. **Parallelism** [BUS21]. **Parallelizing** [BST+13]. **Parameters** [Par00b]. **Parametric** [But99]. **Parent** [RMX12]. **PaRSEC** [BBD+13]. **Part** [AAGH17a, AAGH17b, CENT22b, DdS23b, For16a, HHZK01b, HHZK01a, KC09a, KC09b, KC09c, Pey11b, Pey11c, PNL+16, Tof08, Tof09a, Tof09b, BC05b, CENT22a, CW05b, DdS23a, DR05c, DR05a, Don06a, Don06b, FK23, Läu06, LTG07, LT09, Mal07a, Mal07b, Pos04b, Rus01a, Rus01b, Rus02, Rus03, RD05a, RD05b, SA08a, SA08b, WHG21]. **Partial** [GWW09, JWEK06, JHJ01, MSL+07, O'L06e, O'L07b]. **Participation** [Ano23-57, BPW+20, HG00, HC17, Slo16]. **Particle** [BRS22, Cre99, Dec15, JMEL08, Liu11]. **Particle-in-Cell** [Dec15]. **Particles** [HL00, MB11]. **Partition** [O'L04e]. **Partitioning** [AB03]. **Partly** [SS09]. **Partnership** [KHG+23]. **Partnerships** [TNR+23]. **Party** [Sul07a]. **Passing** [Bau08, BBG+01, Fox02b, Vin12]. **Past** [Cho05f, Cho07c, CW20, Dau99, JH18, SACR21, WP22]. **Patch** [Hym05]. **Pathological** [Sul04a]. **Paths** [ARO+11]. **Pathway** [Asr04, MPR18]. **Patients** [yFZDY13, SSG16]. **Patron** [Smi00a]. **Pattern** [Ano15f, SSP06]. **Patterning** [Rei02]. **Patterns** [AAB+13, Bli02, MF23, QSEQJFH20, Rob13]. **Pay** [BS99a]. **PCell**

[CFA04]. **PCi** [Tou00]. **PDACS** [MRU+15]. **PDE** [Roa04, SBB+15]. **PDE-Solving** [SBB+15]. **PDEs** [Bal99, Wei21]. **PE** [BT10a]. **Peaks** [XXK+02]. **Pedagogical** [NG20, Tan21]. **Pedagogy** [YM14]. **Peer** [Ano09b, Ano10c, Ano11d, Cho06f, Fox01, RBC+19, ZYKG04]. **Peer-to-Peer** [Fox01, ZYKG04]. **Pegasus** [DVR+19]. **Pendulum** [Mar02, OS03]. **Pentagon** [HPKS04]. **People** [SLK+20]. **Percent** [Smi01b]. **Perception** [Lof03, Rob04]. **Perceptions** [CHHB13, MM12]. **Percolation** [Ebr10]. **Perfect** [Pre09, Ano16e]. **Perfectly** [Sch17a]. **Performance** [ABM+24, AE22, Amo18, AMS14, AHL24, Bak10, BKRT21, Bar21c, BCC+09, BS21, BCH+22, CDL+23, CJTH+13, Cou22, DD05, DCWH07, DMA+21, DGG+21, DSSS05, DMT+21, DBB+21, DBNC+23, EDJ+10, EHG01, FHM99, Gob05, HP20, HC99, HB08, HG02, HP04, JPMG08, JPK01, KWBB22, KTG08, KWB+10, KT11, KBLD08, LM08, Lat16, MS22, Men18, PGF+15, Pap16, Par22, PA12, PSJ+21, PSA14, PMP21, Pos11, QL19, RR21, SMM+11, SW10, SBZ+08, SDA+14, SBB+15, SKC02, Sch18, SOH13, SR12, SJDV09, SS09, Str10, TBVP+21, VM15, VS23, WBS+22, YBBP15, Zei17, SL99]. **Performance-Optimization** [SR12]. **Performant** [HLRW17, Wol21]. **Periodic** [Pos16]. **Permanent** [Gor07d]. **Permeation** [TLR10]. **Persistence** [DKWL17, JH16, TL04a]. **Persistent** [TMMB18]. **Person** [Bar11, O'L04c]. **Persona** [MMR22]. **Persona-Based** [MMR22]. **Personal** [Che09, The03]. **Perspective** [Ben04, BERT09, CSS00, CMN00, Deb18, DVS22, Fla17, HSP+23, JaJ00, MDK16, Men18, PA22, Ric99, SPW+13, YRT+00, Wep15]. **Perspectives** [QL19, SACR21]. **Pervasive** [Ano16-39, Ano20q, Ano20r, Ano20g, Ano21-29, Ano21-30, Ano21-31, Ano22v, Ano23j, Day17d]. **Petaflop** [GIF+12, LSV+07]. **Petaflops** [Day10d]. **Petascale** [CDKF15, DW01, Dun09, DST+09, GHT+10, GPL09, Gro09, Kog09, Wit21, YMK11]. **PETSc** [ABM+22]. **pF3D** [LBS14]. **Phantom** [O'L13, WNZ+17]. **Phase** [BMS99, Hus22, IBPV03, Lan99, Lun01, WWJH20]. **Phenomena** [Ebr10, Lan99, Run03]. **Phenotype** [SRM+07]. **Phi** [BHC+15]. **Photon** [SG00]. **Photon-Beam** [SG00]. **Photonic** [PGC21]. **Photorealistic** [LCY08]. **Photosynthetic** [Hin17a]. **Photovoltaic** [KNG10]. **Phylodynamic** [Rao16]. **Phylogenetic** [HE05]. **Phylogeography** [Rao16]. **Physical** [EUD15, Fra02, Lau02, Tie16]. **Physicists** [Far99, Mer02, Sch23a]. **Physics** [AMS14, Aya07, Aya14, Bäc07a, BCB07, BT10b, BBW+20, BkCP22, CF99b, CYW01, Cho06d, Cho09a, CSS00, DLB+07, DAKM16, DGJ+08, Ful06, GS03, Gor07d, Got17, GL20, Han05, HWPS16, KMSH10, Lan04, Lan06, LG10, LPB13, Liu11, MAFM21, MMP+22, MCAA05, Mar17, Mas06, Par12, Pat02, PMW20, Raf16, Ran06, Roo06, Sch15, Sch17b, TK06, TNV+02, Tow09, Tur14b, Win06, Zak18, Wep15, Ano18d, Ano18e, Ano18f]. **Physics-Based** [CF99b, CYW01, DAKM16, HWPS16, KMSH10, Raf16, TNV+02]. **Physlets** [BC03]. **Pi** [MAFM21]. **PIC** [ECK+15]. **Picture** [Rob06, Sku04]. **Pierro** [Wep15]. **Pipeline** [Che03, EWN+13, STG08]. **Pipelines** [VSB+21]. **Pitaevskii** [STTV05]. **Pitch** [OS04]. **Pits** [LQZL19]. **Place** [BSD07, Dub04]. **Placenta** [SRM+07]. **Placing** [LM07a]. **Plan** [MKM+14]. **Planet** [VPL18]. **Planetarium** [Shi02b]. **Planetary** [SV14]. **Planning** [Lew99b]. **Plans** [Che17a, O'L06e, O'L06g]. **Plasma** [CFA04, LBS14, SJDV09, TWE14]. **Plasmas** [GPZ+04]. **Plate** [MGZ00]. **Platform** [CWOL11, DAKM16, DL23, FPRK16,

GHKR11, Liu11, MK10, PTML09, SAK+13, WCHRM21, WGJ16, XYC+09]. **Platforms** [ACQ+20, DBNC+23, Has12, JON+21]. **Play** [Bal15, DD05]. **PlayStation** [KBLD08]. **Plone** [TL04b]. **Plots** [WCC+02]. **Plotting** [CCSS08]. **Plug** [DD05]. **Plug-and-Play** [DD05]. **Plus** [BUS21, Rob13]. **pMatlab** [MBB+09]. **Podcast** [Ano22-66, Ano22-67, Ano23-64, Ano23-65, Ano23-66]. **Poetry** [Day07a]. **Point** [ASLK22, Bai05, PPE00, TM14, ZSM+22]. **Points** [CMK22, Gar17]. **Poisson** [Tho01]. **Polar** [LM07b]. **Polarization** [BNNM04]. **Polarized** [KHC+07]. **Policies** [LMC20]. **Policy** [Bei10c, SPJ+14]. **Polling** [Dub04]. **Polymerization** [WPZ00]. **Polynomials** [Bal99, Rei21a, Rei21b, Rus01a]. **Pomeau** [Sch23c]. **Pop** [Smi01a]. **Popand** [Smi01a]. **Popes** [Day19b]. **Popular** [Bur99, Has12]. **Popular-but-Seemingly-Dissimilar** [Has12]. **Population** [Fen06, GLS07]. **Pore** [Put16, TAM+14]. **Pore-Scale** [TAM+14]. **Porous** [KM99, MJAK09, Sah03]. **Portability** [AHL24, DGG+21, DMT+21, DBB+21, PSJ+21, TBVP+21]. **Portable** [BFH21, Di 14, EGFL12, Guo12, HLRW17, STH22, Wol21]. **Portal** [MRU+15]. **Portfolio** [HL01]. **Portfolios** [BHL99]. **Position** [HAB17]. **Possible** [DBNC+23]. **Post** [Lau05, Läu06, LTG07, Sor19]. **Post-EJB** [Lau05, Läu06, LTG07]. **Post-K** [Sor19]. **Postal** [Smi99e]. **Postdocs** [Ano15-37]. **Posterior** [HSJ+19]. **Posterity** [PLH+18]. **Postprocessing** [KC09a, KC09b, KC09c]. **Postsecondary** [Biz16]. **Potential** [yFZDY13]. **Potentials** [Hus22]. **Power** [Day14d, GKG+15, Har18, Hin16, Hoe10, SES+11, WM00]. **Power-Efficient** [Hoe10, SES+11]. **Powered** [Col18]. **Practical** [VMH05]. **Practically** [TM14]. **Practice** [BBM+21, KPA+16, KJ04, MS22, MMR22, PMP21, RBC+19]. **Practice-Centered** [KPA+16]. **Practices** [ACG+20, CJL+18, CHH+13, Dub22, Dub99, KHS09, KVP+16, NRG+17, PARD13, SHPL12, WBB+20]. **Praxis** [Bar19]. **Precession** [MW14]. **Precise** [Nob02b]. **Precision** [Bai05, GLTZ10, Hin18a, Smi03]. **Predator** [Pek04]. **predictability** [Mat05]. **Predicting** [Hei20, Lew10, MSR+16, SÖS+00]. **Prediction** [DJ02, Jq19, LMPV13, LGJ+19, LAY04, MKJ07, STG11, VWL+11, WZZ11, WC15, ZZS+19, Zha11]. **Predictions** [Jon19]. **Predictive** [Ano16-39, GP15, KS01, WLCD01]. **Prefetching** [XLLJ04]. **Preliminary** [JH16]. **Preparation** [BBWW22]. **Prepare** [GL20, Lat16]. **Preparing** [Bor02, CED+21, GPL09, GN08, LCG+20, MDW+22]. **Preprocessing** [RRN20]. **Prescriptions** [Bal99, BS99b, BS99a, BS00a, BS00b, BT01, CT00, Nob00a, ST99, Tho99a, Tho99b, Tho00, Tho01]. **Present** [Cho07c, JH18]. **Presented** [BTL19]. **Presents** [Tou02b]. **Preserving** [Bak21, PLH+18]. **Press** [Ano15-35, Ano15-36]. **Prevails** [Smi99f]. **Prey** [Pek04]. **Pricing** [GEH+99, SPJ+14]. **Primitives** [Che03]. **Prince** [Sny13]. **Princeton** [Cos22]. **Principal** [Nob00a, OMKdSB11]. **Principles** [Day08a, HWPS16, O'L05a]. **Printing** [Ano15-38, Ano15-39]. **Priorities** [SDA20]. **Privacy** [Ano22-66, Ano22-67, Ano23-64, Ano23-65, Ano23-66, Ano19c, Ano20h, Ano20i, Ano21w, Ano22o, Ano22p, Ano23-27, Ano23-28, Ano23k, Ano23l, Ano24f]. **prizes** [Day12e]. **Probability** [Hah04, HSJ+19]. **Problem** [ATRA00, Bar21b, Bea00, Bre17, CAS+07, FAFX20, FGP99, GPC08, Kul07, MO03, MHK+06, OM03, Pes03, Smi99a]. **Problem-Solving** [Bar21b, CAS+07, GPC08, MHK+06]. **Problems** [Ama00, Bei09b, Ben00, BT10b, Bet99, Chu21, CLC03, CG09, CS01b, Das00, DAEJ18, DV99, DMXR+14, Hym05,

JCPS14, LeV09, Naj08, SH10, SAC15, SFSK01, Sul02c, WB03, XBK10]. **Process** [Che18, GPC08, Gyu99, MBH14, RPEB14, Wan23, WLCD01]. **Processes** [CBS14, JLNR19, KM99, Muz19, RcK99, TAM+14, dKCAY00, Mat05]. **Processing** [APS10, AAAH+16, BMCC21, CWOL11, CS18, CS11, DSK15, DM12, Eng15, HBG+20, MP09, MR13, Pey11a, Pey11b, Pey11c, Qua18, Qua19, TL04a, UM08, Van12, WOAEAG10, Zhu16]. **Processings** [Pey11b]. **Processor** [SdPV21]. **Processors** [Gor07c, KSP12, SJDV09]. **Product** [Mil17, Pos14, PG17]. **Production** [GKG+15]. **Productive** [AGC+16, BFH21, HLRW17, Wil06, Wol21]. **Productivity** [AHL24, BUS21, FLV+09, MHB+24, Moo21, MBB+09, PSJ+21, PK15, Thi13b]. **Products** [Shi00d, Shi00a]. **Professional** [GPMSC20, Peo20, Tho12, Ano21v, Ano22u]. **Professionally** [ARAG19]. **Program** [BB20, Bur99, CFA04, CMN00, GCV08, Har23, Lan04, OASFLAB09, PAN+16a, Vla12, BHV21, PNL+16]. **Programmer** [Shi00a, Thi07]. **Programmers** [Esq11, Sma12]. **Programming** [AWHD23, AAGH17a, AAGH17b, BB20, BBG+01, CF03, CL12, DS12, Dra00, DY99, Dub99, Dub00, Fal09, GRE99, Gra09, GS13b, Guo23, HC99, HHZK01b, HHZK01a, Hin09, Hin13a, Hin13b, Kar99, KC24, LT09, LPV00, LC12, MM18, MAG21, Nas00, PTML11, Rag06, SDS00, SL99, SB00, SGS10, Taj10, Wol21, XYC05, Wep15]. **Programs** [BCC+99, CRDO16, Di 14, Dub05b, Dub12, Fos17, LDAS19]. **Progress** [GF04]. **Project** [Ale18, DMT+21, KMSH10, KPA+16, Mak06, MHB+24, NCB+05, Owe01, PSSP15, PQQ20, Thi07, Fom15, KPM10, MB20a, Mes17, SGRK+18, SJF+23]. **Project-Based** [PQQ20]. **Projection** [MR13, NSP12, Rus03, YCKK03]. **Projections** [HKW03, dSRT16]. **Projector** [ML02]. **Projects** [BB06, COS+15, Har23, HPMJ12, KL07, LWF10, PBSS14]. **Prolog** [BT10b]. **Prologue** [Dau99]. **Promise** [Gor06c, Pos09, Pos10]. **Promises** [Hin09, LT09]. **Promising** [Mar17, ZGR+17]. **Propagation** [BPMKC21, GGJD23, LPV00, SA08a, SA08b]. **Propellant** [HD00]. **Properties** [JXY+19, Lew10, MJAK09, Osk07, PI16, SÖS+00]. **Property** [Cyb99c]. **Prospectus** [Boa17]. **Protection** [Lew00a]. **Protein** [Han03, Jav12, Mal07a, Mal07b, SK01, Wol16, WCH12, XDK+20]. **Protein-DNA** [WCH12]. **Proteins** [PP20]. **Protocol** [Gal11, LZZ17, Zei17]. **Prototypes** [Mil17, Pos14]. **Prototyping** [FMB+07, HD00, LRRK00, PL02, PS17]. **Prove** [Sul99b]. **Provenance** [AAH+08, DD23, DGJ+08, FKSS08, MGD+08, SFC07, ST08, TJCC20]. **Provide** [PK18, Tou01]. **Provides** [CC99, Rob06, Tou00, Wol16]. **Providing** [WSG24]. **Province** [GYF+10]. **Provision** [GHKZ17]. **Proximate** [JON+21]. **Proximity** [MPP14]. **Proxy** [MDW+22]. **Pseudopotential** [SAC15]. **PSR** [AMCL+23]. **Public** [Day13e, MB20b, MBB+22, RTSS14b, Ree16, SKA+02]. **Public-Interest** [SKA+02]. **Publication** [Ano22f, Ano23e, Che18, CW05e]. **Publications** [Ano22-59, Ano22-68, Ano23-67, FS12]. **Publish** [KNS18, Thi14]. **Published** [Ano20-33, Ano20-34, Ano20-35, Ano21-42, Ano21-43, Ano21-44, Ano21-40, Ano21-41, Ano21-45, Ano22-34, Ano22-35, Ano22-36, Ano22-37, Ano22-38, Ano23z, Ano23-27, Ano23-28, Ano24f]. **Publishing** [Ano13c, Thi15b]. **Pulsar** [MKH+23]. **Pulsars** [MKH+23]. **Pulses** [TDB09]. **Pulverized** [MRKK17]. **Pure** [LT09]. **Purpose** [FHM99, Got06, SSC18]. **Purposes** [Wat21]. **Pursuit** [Sic09].

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**QCD** [Mor15]. **QMD** [KFS18]. **QPACE** [GHK+08]. **QR** [ACF18]. **QR-Based** [ACF18]. **Quadratures** [Bal99]. **Qualitative** [DKWL17]. **Quality** [Ano22-75, Dub22, HLS+16, MMR22, RPEB14, Ste99]. **Quantification** [XKG05]. **Quantify** [JJZC10]. **Quantity** [Fos17]. **QuantLib** [Vir16]. **QuantLib-Python** [Vir16]. **Quantum** [AE22, AWHD23, Ale15, Ano20-56, Ano20-55, Ano22z, Ano22-60, Ano23-56, Ano23-57, Ano23-58, Bäc07b, BC03, BCB07, Bro06, Cyb02, DCC10, Day07c, EKCS12, GHK+08, KFS18, McC21, Mus20, OASFLAB09, PMW20, SDA+14, SRKS22, UM08, VMH05, WOAEAG10, WB03]. **Quarks** [Cre04]. **QUBES** [DL23]. **Qubit** [Key05, Lew01a]. **Queer** [Wri16]. **Queries** [MPP14, O'L14, ZSM+22]. **Query** [ALH+20, AAAH+16, LT08]. **Query-Based** [ALH+20]. **Quest** [DW01, Mat05]. **Questions** [Sul03b]. **Quick** [Vor01b]. **Quickhull** [Muc09]. **Quickly** [Muc09]. **Quicksort** [JaJ00].

**R** [FM19, Lud13]. **R&D** [PS17, Sch99]. **Race** [DGK19]. **Racial** [Bot16]. **Rad** [Lew99b]. **Radar** [Cho05b, Zeb00]. **Radial** [LWG19]. **Radiance** [UGV11]. **Radiation** [Lew99b, MSS09, SWDR22, SG00, VWL+11, ZFS12]. **Radio** [KLMS99, PAN+16b]. **Radiometers** [CPdlF+12]. **Radiotherapy** [LSDP+04]. **Rafters** [KMM+11]. **Railway** [ZZS+19]. **Railways** [MGFRL+12, RLHGA+13]. **Rainbow** [Ano22-66, Ano22-67, Ano23-64, Ano23-65, Ano23-66]. **Rainfall** [Gan02]. **Raising** [SSW21]. **Ramakrishna** [Ano17a]. **Random** [ALM19, Hil15]. **Range** [MR13, PSR+00]. **Rapid** [FCT+10, LRRK00]. **Rapidly** [MPRU23, Ran06]. **Rare** [KHG+23]. **Raspberry** [MAFM21]. **Rate** [ZB04]. **Rates** [O'L04b]. **Ratio** [GYJL20]. **Rau** [Ano17a]. **Ray** [SWDR22, ZSM+22]. **Ray-Tracing** [ZSM+22]. **RBF** [WLCJ12]. **RBPCA** [SMM+11]. **RC** [MAFM21]. **Re** [Hin18d, MCE+03]. **Re-editable** [Hin18d]. **Re-Integrating** [MCE+03]. **Reach** [WC15]. **Reaching** [Gre07]. **Reactive** [JC02, LNI+19, TAM+14]. **Reactor** [BAD+21]. **Reader** [CW06, Day14c]. **Readiness** [CHM+20b, CHM+20a]. **Reading** [Day12c, Day12d]. **Real** [CYW01, Clo15, CC99, EKCS12, HE05, LCY08, PSA14, SBZ+08, VWL+11, VSG+02, WHM+02, YZZ04, YHWY05]. **Real-Life** [HE05]. **Real-Time** [CYW01, CC99, LCY08, PSA14, VWL+11, WHM+02, YZZ04, YHWY05, VSG+02]. **Realistic** [RSC+14, WLCJ12]. **Realistically** [KL10]. **Reality** [ACQ+20, DBJ+20, MV20, SLK+20, SPB+20, TW03, YWC02]. **Realizations** [LPB15]. **Realizing** [CCD+22]. **Really** [Day07c, Day16e]. **Reason** [Day14e]. **Reasoning** [SGRK+18, Tec18, TKM+18, vGDS18]. **Reasons** [Poi10]. **Reckless** [LGG+22]. **Reclusive** [BC02]. **Recognition**

[Ano15f, Ano16s, FOdLVF+11, Mal07b, NWP19, OMKdSB11, SMM+11, ZZC+19]. **Recognizing** [MBB+22]. **Recommended** [KHS09]. **Recommender** [FAFX20]. **Recommending** [Cho07f]. **Reconfigurable** [EVA+21, GLS11, KSB07, Liu11]. **Reconstruct** [HMA00]. **Reconstruction** [FKB+13, yFZDY13, Lan02, LWT+13, ZDW+07]. **Record** [MCE+03]. **Records** [Tou03]. **Recovered** [Sch21]. **Recurses** [Nob03]. **Recursive** [GYL+17]. **Recycling** [Sul99a]. **Reduce** [JG12]. **Reduced** [ASM+14]. **Reduced-Order** [ASM+14]. **Reducing** [DPBS16]. **Reduction** [ACF18, BAD+21, GYL+17, LQZL19, SL03, Vil08, Vor01a]. **Redux** [MHDM99]. **Referencing** [ACG+20, CGZ20]. **Refined** [BW06]. **Refinement** [ATG05, Bry99, DBB+21, MCAA05, NSLD99]. **Reflect** [SCBT18]. **Reflecting** [BLT+23, SBW+19]. **Reflection** [Che09, Chu21]. **Reforms** [For99]. **Region** [KSSF11, PL07]. **Region-Growing** [PL07]. **Regional** [ASLK22, PSR+20, WC15]. **Regional-Scale** [ASLK22]. **Regions** [LM07b, Rao16]. **Register** [Ano20-37, Ano23-58]. **Regression** [CT00, FM19, GYL+17, RPBE12, SL03, Wan23]. **Regression-Test** [RPBE12]. **Regularization** [LHGX18]. **Rehabilitation** [YMHQ19]. **Reinforced** [JXY+19]. **Reinventing** [Har23]. **Reinvigorate** [TK06]. **Related** [HEH+10]. **Relation** [Bai00, ZLW+19]. **Relational** [TSKG03]. **Relations** [LSPN21]. **Relationships** [Rei21b, Rei21a]. **Relativistic** [FMB+07, MW11a, MW11b]. **Relevant** [BCL03, HC17, MM13]. **Reliable** [GB20]. **RELM** [STHR12]. **Remaining** [LGJ+19]. **Remembrance** [O'L05b]. **Remote** [DDV+08, LM07b, VSMD+09]. **Rendered** [KEF07]. **Rendering** [BHC+08, CCSS08, Che03, CZ07, DLLZ19, DLLZ20, LYC07, NGGS22, QPCJ07, SRM+07, SGA+22, YWC02]. **Repealed** [Fla17]. **Repetitive** [YMHQ19]. **Replicable** [MB17]. **Report** [Car09b, CSW17, MJM+06, OW01, SSW11]. **Repositories** [AAB+21, IKMK13]. **Repository** [LHN+12]. **Representation** [Biz16, QSEQJFH20]. **Reproduced** [Sul03e]. **Reproducibility** [AISR+21, Bar21a, Cou22, Dav12, DD23, Die12, HWVD23, PRCL+22, PMP21, SFC07, SMS15]. **Reproducible** [Ano10b, BT17, Bar19, BTK+21, DMR+09, FSED10, FC09, Fom15, FS12, Hil15, Hin13c, How12, LeV09, MB17, MB20b, Muh23, PE09, SKC00, Sto09, SLM12, Sto12, Sul03e]. **Reproducing** [AMCL+23, BVT+21]. **Research** [ACG+20, Ano10b, BT17, BLMR21, BPW+20, BLT+23, BVB+07, CCP23, CGK+18, CENT22a, CENT22b, CHP+18, Che18, Cho12, Chu21, Cos22, CMK22, CHH+13, Dar18, Dav12, DD23, DdS23a, DdS23b, DMR+09, Dru20, Dub05a, ERF21, EI11, ECK+15, FSED10, FC09, Fom15, GAB+22, Gor08a, GL20, GHKR11, Har23, HWVD23, Her22, Hil15, Hin13c, How12, HBG+20, Hu07, JLNR19, KBLE15, KL15, KMB+19, KMB+08, KJ04, LC09, LeV09, Lof22, MS22, MTBG+22, MOBD+22, McC21, McM09, Mes15, MJM+06, MBB+22, MCE+03, PSR+20, PE09, Peo20, PAN+16a, PNL+16, RBC+19, Rob06, Run05, ST05, SL18, SW10, SYM+21, Sch23a, SP18, SKA+02, Sto09, SLM12, Sto12, SJF+23, TML+23, Van12, WZS+10, WPM+12, WG15, WCP17, Wol16, ZFS12]. **Research-Based** [Peo20]. **ResearchCompendia.org** [SMS15]. **Researcher** [Moo21]. **Researchers** [CE18, Ged16a]. **Residual** [DKCL14]. **Resistance** [Pon16]. **Resolution** [DWC+11, Lan02, TAM+14, WSY+22, YCD+21, ZQY+11]. **Resolved** [Smi99a]. **Resolving** [WZZ11]. **Resonance** [But99, Kus06a, MB07]. **Resonances** [Mor15]. **Resource** [FWGB07, HBG+20, NCB+05, TFF05].

**Resource-Aware** [TFF05]. **Resources** [Asr04, DMXR+14, KB04, MHC+18, Mor15, PGF+15, Ano16y]. **RESPECT** [DE17, For16a, WBP+19]. **Response** [AGM+00, Bor02, CW05a, TDB09, WPM+12, ZZS+19]. **Responses** [ZLTX19]. **Responsibly** [LGG+22]. **Responsive** [NG20]. **Restoration** [Pey11c]. **Results** [AMCL+23, CW06, DG12, PMP21, Sul03e]. **Resume** [Ano19-28, Ano23s]. **Retain** [DBB+21]. **Retaining** [MBB+22]. **Rethinking** [MDW+22]. **Retouching** [Tof09b]. **Retrieval** [KHE13, Pok04, ZYKG04]. **Retrospective** [McC21, WP22]. **Reusable** [ARAG19, Bar20b, Hin18d, LFK+19]. **Reuse** [Lan19]. **Reveal** [Gor05b, ASM+14]. **Revealed** [Thi13a]. **Revealing** [XDK+20]. **Review** [BO04, ERF21, Gra07, KS20, Lud13, QL19, RBC+19, Sha14, Sny13, Sul05a, Bas14, Kwa17, Mol12, Nai15, Tur14b, Vog13, Wep15]. **reviewed** [TCCC13]. **Reviewer** [Ano15a, Ano16a, Ano18a]. **Reviewers** [Ano05b, Ano09b, Ano10c, Ano11d, Ano12b, Cho06f]. **Reviewing** [Sha14]. **Reviews** [Ara99, BC02, Bil00, BCC+99, Bur99, CW05c, CW05e, CC99, Cyb01, Fel00, Lov04, McK00, Nob00b, Seg99, Shi99, Shi00c, Shi00b, Shi00d, Shi00a, Shi01a, Tou00, Tou01]. **Revisited** [Got16]. **Revisiting** [SR13]. **Revitalizing** [Bei10d]. **Revolution** [Bei10e, Wei11]. **Ribonucleic** [Maj03]. **Rica** [Men18]. **Richard** [Ano17-31, BTL19, Ano14-43, Ano17-31, Ano21-74]. **Ridge** [MTBG+22]. **Right** [BS02, Nob02b, Sul03f]. **Rights** [Ano15-44]. **Rigid** [NLGNJ13]. **Rigid-Molecule** [NLGNJ13]. **Ring** [AK04]. **Rio** [WSC+04]. **RISC** [TJ14]. **Rise** [DiP18a]. **Risk** [Ano16-40, Hei20, KPA+16, KVP+16, Rao16]. **Risk-Based** [Ano16-40, KPA+16, KVP+16]. **Risks** [Tur16]. **River** [FGR+07]. **Road** [Bei09c, Haa99]. **Roadmap** [SBW+19]. **Roadrunner** [HW09]. **Robot** [Day18a, Day18d, OS03]. **Robotic** [DiP18b]. **Robots** [KB07]. **Robust** [GNB+09, LM07a, Zei17]. **Robustness** [YAA+00]. **Rock** [Ano14-44, Ano14-45, Ano14-46, Ano14-47, Ano14-48, Ano15-43, Ano15-40, Ano15-41, Ano15-42, Ano15-38, Ano15-39, Ano16z, Ano16-27, Ano16-38, Ano16-37, Ano16-39, Ano16-40, Jon19]. **Rockets** [HD00]. **Role** [BSD07, Cra03, Das00, JC02, LSBC22]. **Roles** [Bor02, Hin17c]. **Roll** [OS04]. **Rolling** [KS06, MGFRL+12, ZZC+19]. **Rolling-Stock** [MGFRL+12]. **Rotations** [ZJW08]. **Rotorcraft** [HWPS16, Str10]. **Rough** [ZLW+19]. **Round** [LQZL19]. **Roundtable** [ZAF+01]. **Route** [Gor06b, Kus06a, MGFRL+12]. **Router** [Rob06]. **Router-Level** [Rob06]. **Routine** [Ron14]. **Routines** [Dub00]. **Rs** [Day11b]. **RSEs** [MBB+22]. **Rubber** [Bei09c, Haa99]. **Ruby** [Ong02]. **Rule** [Day11f, Rei21a, Rei21b]. **Rulers** [Mem16]. **Rules** [DTL+17]. **Run** [BKS15]. **Run-Time** [BKS15]. **Running** [CJL+18, GL20, RRAB06]. **Runtime** [DMA+21]. **Rupture** [KMM+11]. **Rupture-to-Rafters** [KMM+11]. **Rust** [Bit24].

**S** [Ano22-75, Mol12]. **Safari** [Ben09]. **Sage** [Gra08b]. **SambaNova** [EVA+21]. **Sampled** [HH06]. **Sampling** [ALM19, BS99b, Bez08, CRNO23, RBK02]. **Samsung** [Tou02b]. **San** [LC09]. **Sand** [Bil00]. **SAR** [MR13]. **SARS** [FGG+22, XDK+20]. **SARS-CoV-2** [FGG+22, XDK+20]. **Satellite** [BCA+00, HAB17, Lo99]. **Satellite-Constellation** [Lo99]. **Savings** [SW10]. **Say** [Bei10e, Got02a, Sul04d]. **Says** [Dub07b]. **SC98** [Dau99]. **scaffolding** [Tob05]. **Scala** [PTML11]. **Scala-Based** [PTML11]. **Scalability** [BBD+13, YLZ17].

**Scalable** [BFL+22, BLT+23, BFH21, Bry11, GLS11, GARS+20, Her24, KSM+17, LNI+19, Liu15, MSS09, NKV99, Par16, RSC+14, SJF+23]. **ScalaLab** [PTML11]. **Scale** [ASLK22, Ama00, BBM+15, BP99, CS14, CS15, Day14a, DMXR+14, Eis17, Far99, GL99, Gob05, HHF+14, HMB+14, JPE20, Jon15, KMSH10, LWF10, LCY+04, Ma16, MWE08, Rei02, Sah03, SNTL13, Ste99, TB11, TWE14, TAM+14, VKN99, VM15, Wes21, WNDV21, WSG24, WPZ00, WHW18]. **Scales** [Gyu99, Kus06a]. **Scaling** [GS03, Run03]. **Scarce** [RBK02]. **SCC** [GHKR11]. **Scenario** [AAGH17a, AAGH17b]. **Scenario-Based** [AAGH17a, AAGH17b]. **Scenarios** [FGG+22, PQQ20, UGV11, WCHRM21]. **Scene** [ML02]. **Scheduling** [WQLZ18]. **Scheme** [PLW17]. **Scholars** [Day13a, Slo16]. **Scholarship** [Ano17-31, Ano21-74, Ano17-31]. **Scholes** [Hig04]. **School** [AAGH17a, AAGH17b, GPMSC20, Les16, Sca16]. **Schools** [Ree16, Sul05b]. **Schrödinger** [Moy06, RK05]. **SciDB** [SBZB13, YBBP15]. **Science** [AM18, Adl20, ABC+14, AHL+11, AAGH17a, AAGH17b, APC+19, Ama06, AMS14, Ano03, Ano05a, Ano12b, Ano15-37, Ano22f, Ano23e, BCE+22, BC02, BT17, Bar19, Bar20a, Bar21b, BLMR21, Bar21c, Bei10c, BSD07, BHV21, BERT09, CDL+23, Car09a, Car12, CE14, Car16, CHC17, CBF+22, CC03, Chr15, Chu21, CW20, COS+15, CF13, DSPY05, Day06a, Day12a, Day14a, Day18d, DADY15, DdS23a, DdS23b, DPG+12, DL23, Dun09, DST+09, EAF+23, ESO08, FKD21, FM13, FGHW20, FL99, FM02, Fox02a, FHM99, FWGB07, Gaa03, GGHM24, GSK+23, GDH+23, GPL09, GPMSC20, Gor07c, GCV08, Gor13, GK18, GHM+16, HP15, HBD+23, Hei22, Her22, Hin18a, Hin15a, Hin15b, Hin17c, HG00, HGA23, HPMJ12, HHR+13, JH18, JRD+13, KE05, KL15, Kax01, KHG+23, KB04, KMM+11, KRH+99, LC09, Les16, LM07b, MF16]. **Science** [MM12, Mas06, MMTD+17, MKL+23, MKH+23, MK10, Mem15, MV20, Mes15, MCGA22, MSM13, MSR15, NC18, NCB+05, OW01, OHK23, PARD13, PA21, PV00, Pos07, Pos09, Ran06, Ree16, RRAB06, Ric99, RP20, RHC+23, Run00, RF12, SDA20, Sca16, SDD+08, SKNV03, SCW+17, Slo16, SMS15, SKL10, SPB+20, Sul03a, Sul04a, Tan21, TML+23, Tes15, Thi02, TB04, Thi13a, Thi15c, TX08, TNR+23, THGS07, TP04, Tur14a, VGD+11, WHG21, WHH22, WMB20, WNDV21, WCP17, Wil16, Wil18, WL09, WBB+20, WC17, YBBP15, YRT+00, Day12e, Peo20, RTSS14a, RTSS14b, WDC18]. **Science-Based** [Pos09]. **Sciences** [BBM+21, Eis17, KB09, OW01, Sul09a, TS10, WDC18]. **Scientific** [AAB+21, ARAG19, ABC+14, Ale18, Ano15-44, Bai05, Bak21, BHF+08, BKRT21, Bas02, BCH+09, BMC99, BTK+21, BCC+09, Bit24, Bli02, BBM+15, BC05a, BHC+15, Bry11, CCSS08, CHP+18, CHB19, CJL+18, CHJC05, Cho03, CS11, Day08a, DC04, Di 11, DSK15, DDC04, Dra00, Dub21, Dub22, DY99, Dub99, Dub00, Dub02, Dub05b, Dub12, EVA+21, EVL+17, ERS+03, Esq11, FLV+09, GJP24, Gob05, GAB+22, GP15, GRE99, GNB+09, HLRW17, HC99, HHZK01b, HHZK01a, Her21, HCK22, Hig04, Hin13a, Hin13b, Hin15a, Hin17b, Hin18c, HXMC05, IKMK13, JLNR19, JPE20, JPK01, JRD+13, KC19, KRR+12, Kar99, KSB07, Kin12, KBLD08, LDAS19, LVWK02, Lan19, LFK+19, LSBC22, LSN20, LSPN21, LPV00, LGG+22, MWE08, MBH14, NGGS22, Oli07, PTML09, PTML11, PSSP15, PG07, PGH11, PF04, Pos13, RV11, RVG+10]. **Scientific** [RPBE12, RPEB14, RR21, SNCM16, Sch01, SDS00, SAA23, Sch23a, Sch18, SKC00, SES+11, SL99, SHPL12, Sma12, SdPV21,

SSW21, SB00, Sto09, SLM12, Sto12, SJF+23, Sza11, TWE14, TAF+18, TML+23, TFF05, Ter11, TTT15, Thi07, Toh07, TCD+14, VB08, VSMD+09, VMK20, Wan18, WG15, WD06, Wes21, WSG24, WJLY08, YKD+03, YBD10, Beh05, Wep15, BC05b]. **Scientist** [Got14b, Men18, Tsa14]. **Scientists** [Bet17, CHHB13, Cho12, DPBS16, Guo23, KHS09, KSM11, MM13, MA11, NMCM22, PMK+08, THLK10, Wil06, Wri10]. **Scinco** [SJF+23]. **SciPipe** [LDAS19]. **Scoiety** [Ano21-40, Ano21-41]. **SCons** [Kni05]. **Scope** [Cho06b, Pap16]. **Score** [O'L14]. **Screening** [NLGNJ13]. **Script** [WHH22]. **Scripting** [BJ02, Bas02, Hin07, Ong02, PTML09]. **SDSS** [Tha08a]. **Sea** [KS06, WM00]. **Seamless** [SKC05]. **Search** [Ano14l, Ano14j, Ano14k, Ano14m, Ano15j, Ano15k, Ano15l, Ano17d, Gor07a, KHE13, MGCBI17, VSB+21, VMH05]. **Searching** [ALH+20, Lew01a, Pok04, Sch01]. **Seas** [Lew99a]. **Second** [Car09b]. **Secondary** [FCT+10]. **Secure** [AGC+16, MCGA22]. **Security** [Ano16-40, Ano19c, Ano20h, Ano20i, Ano22o, Ano22p, Ano22-66, Ano22-67, Ano23k, Ano23l, Ano23-64, Ano23-65, Ano23-66, PLW17, Ano21w]. **Security&Privacy** [Ano14-30]. **See** [Bil00, NO03, Sul03a]. **Seeing** [Bro06, Gor08c]. **Seek** [Ano22-59, Ano22-68, Ano23-67]. **Seemingly** [Has12]. **Seems** [Yas17b]. **Segmentation** [GMPR11, PL07, WNZ+17]. **Seismic** [AMKL04, CL14, HH06]. **Seismology** [TB11]. **Seizure** [SSG16]. **Selection** [CPdlF+12, MGFRL+12, Tof08]. **Self** [CHHB13, CJ16, KL07]. **Self-Assessment** [KL07]. **Self-Healing** [CJ16]. **Self-Perceptions** [CHHB13]. **Semantic** [Fox03a, Zhu02]. **Semiconductor** [Gyu99, KL10]. **Semiconductors** [KHC+07]. **Semisupervised** [GYL+17]. **Sense** [Wri16]. **Sensing** [LM07b]. **Sensitive** [AH07]. **Sensitivity** [DRA11, HK09, O'L06f]. **Sensor** [AMKL04, JLYL19]. **Sensors** [NWP19]. **Separate** [CGZ20]. **Separated** [HF04]. **Sepkoski** [Ome06]. **September** [HPKS04]. **Sequel** [BT10a]. **Sequencing** [Mye99]. **Sequential** [SA08a]. **Sequestration** [TAM+14]. **Series** [DMT+21, JSNR11, Liu15]. **Server** [Goo17, Nei08, TSFG08, Tha08a, YKD+03]. **Serverless** [VPL18]. **Serves** [TS10]. **Service** [Ano14-43, Ano20-51, Ano20-52, Ano20-53, Ano23-53, Ano23-54, Ano23-55, Ano24l, DGR+05, Dub07b, GHM+16, GHKZ17, LZZ17, MF16, MWC+16, WPM+12, DBH+02, Smi99e]. **Service-Based** [WPM+12]. **Service-Oriented** [DGR+05, LZZ17]. **Services** [Ano13c, Ano19z, Fox04a, MRU+15, PF04, PGH+05, GGD+05]. **services-based** [GGD+05]. **Serving** [Dra00]. **Sets** [BCG+99, Don02, Gor06d, GYF+10, LLQ18, MFD+09, Ste12, Wan18, ZLW+19]. **Seventh** [Ste14]. **Several** [Tou02b]. **Sez** [Sul04e]. **SH** [WQT+16]. **Shader** [Wat21]. **Shader-Like** [Wat21]. **Shadow** [GRE99]. **Shadow-Object** [GRE99]. **Shake** [Bet17]. **Shape** [Gio02, Sul10b]. **Shapes** [Tof09a, VSG+02]. **Shared** [BWC01, GCV08]. **Sharing** [CHP+18, Cho07d, DDC04, MHC+18, PLH+18, Van12]. **Sharp** [LL19]. **Shear** [NTW07]. **Shed** [TM15]. **Sheet** [MRHP23]. **Sheets** [PAF08, TAHP23]. **Ship** [KSM+17, KS06]. **Ships** [Lew99a]. **Shock** [Ben04, BBW+20, Cyb99a, MSR+16, ST05]. **Shock-Accelerated** [Ben04]. **Shock-Wave** [ST05]. **Shoes** [MMR22]. **Short** [KILZ13, Pek04]. **Short-Term** [KILZ13]. **Should** [Day14f]. **Show** [Gor06c]. **Showcase** [BLMR21]. **Shrinkage** [Tas00]. **Shunt** [DKCL14]. **SIAM** [BERT09]. **Sichuan** [GYF+10]. **Side** [SG10]. **Sides**

[O'L05f]. **Sierra** [MSR+16, NdS17]. **Signal** [APS10, CWOL11, FSED10, Kus06b, Pey11a, Pey11b, Pey11c, Tou01]. **Signals** [Kwa17]. **Signature** [JWLG14]. **Silico** [Han03, KFS18]. **Silicon** [The03, WLCD01]. **SimEvents** [Gra07]. **Similarities** [AE22]. **Similarity** [GYJL20, LGJ+19]. **Simon** [Sny13]. **Simphony** [PGC21]. **Simple** [Fox04a, KC19, MAFM21, MMP+22, New00, Nob07, Sul02a]. **Simplex** [Nas00]. **Simplicity** [Hin17b, Sul00a]. **Simplified** [SAC15, SOH13]. **Simplify** [Shi00d]. **Simulate** [Day06c, Kul07]. **Simulated** [Tre99]. **Simulating** [AGM+00, BCA+00, CPdlF+12, Cre04, DL00, DLLM04, EKLY07, FGRS17, HMS+00, KS00, MGCBI17, Par00b, Roh10, SBH+00, UGV11, VWP12, WSC+04, WHW18, ZMM03]. **Simulation** [ASM+14, AM15, BFH21, BAD+21, BKS15, CDF+04, Cas16, CR15, CYW01, CHC+11, CJTH+13, CSS00, CBS14, CFCD04, DLW+19, DAKM16, Die12, DH12, Don03, FGG+22, FMKS08, GW15, GSB+12, Got02b, Gra07, HAB17, HBD+23, HWPS16, HLYQ19, HS12, HT99, Hil15, HPKS04, HXMC05, Ikk16, IBPV03, Jon15, Kad04, KNG10, KBLE15, LSDP+04, LWT+13, LMC20, Lui06, LL11, MJAK09, MM04, Mal07b, MW14, McK11, Mil10, MGZ00, MM16, Muz19, NBK+01, NGGS22, NW15, Ork09, Par16, PV00, PCY14, PI16, PGC21, Pos04a, Pos04b, Saa09, SA08a, SA08b, SDA+14, Sch23b, SS11, SPJ+14, SMSC22, Str10, SKC05, TB11, TGP13, TLR10, TAM+14, TL08b, UZC+12, Wai16, WCHRM21, WAS+12, WWJH20, WLCD01, Wol16, YZZ04, YZC+13, YM14, Yas17b, YWMM04, YYG+19, Zei17, ZJW08, ZCXM99, dKCAY00, Mat05]. **Simulation-Based** [Mil10]. **Simulation-Driven** [Cas16]. **Simulations** [Adl03, AMCH07, Ama00, AM20, AMKL04, BMS99, Boe00, CLZ13, CSS00, CDKF15, CS14, CS15, DLB+07, DJS13, DDC04, EP10, EKCS12, FPRK16, Ged16a, GL99, Gia22, GWMG04, GC00, Gob05, GPZ+04, GIF+12, GH00, HHR02, HL00, HSG03, HHF+14, HT99, HEH+10, Jav12, JRP+17, KM99, KSP12, KS00, KMM+11, KPD+99, LBS14, LUMM14, LL13, LVLA14, LNI+19, LCY+04, Ma16, MRU+15, Mal07a, MPR18, MTG+12, MB99, Muh23, NKV99, New00, NSLD99, PZJS10, PR01, PMW20, Raf16, Rao16, RSC+14, SMF+23, SBW+19, SS06, Sta03, Ste99, SKL10, TWE14, Tow09, VKN99, YAA+00, YCD+21, YB12, Zhu16, dKCAY00, RF00]. **Simulator** [LFN+11]. **Single** [JXY+19, OR12]. **Single-Strap** [JXY+19]. **Singular** [Los03]. **Singularities** [Ano18j, Sin18]. **Sinusoids** [Rus02]. **Sisyphus** [Chr99]. **Site** [DKK05]. **Situ** [ASLK22, BAD+21, DB21]. **Six** [Guo23]. **Skeletal** [Roh10]. **Skeleton** [Dec15]. **Skeletons** [Fal09]. **Skills** [GDDR16]. **Skinny** [DSC+09]. **Skunqoil** [Smi99b]. **Sky** [HHF+14, Nei08, Sza99, Tha08b]. **SkyQuery** [BDS13]. **SkyServer** [RTSS14a, RTSS14b]. **Slab** [YLZ+19]. **Slices** [QPCJ07]. **Slide** [Sul04d]. **Sloan** [Nei08, Sza99, Tha08b]. **Slug** [LTNME09]. **Small** [EVL+17, SL18]. **Smart** [LMC20, SAK+13]. **Smarter** [Bei12c]. **Smelly** [Dub05a]. **Smoother** [YaL10]. **Snake** [Wit21]. **Snapshot** [HHP19]. **Snaring** [Cho07d]. **Snippet** [Moo21]. **Sociable** [Day13f]. **Social** [Ano18-43, Ano18-44, AM05, CHM+20b, CHM+20a, Day13f, LTD11, PI16, Pon16, Tan21]. **Society** [Ano14y, Ano17-31, Ano18z, Ano19v, Ano19y, Ano20-51, Ano20-52, Ano20-53, Ano20-50, Ano21-64, Ano21-65, Ano21-66, Ano21-67, Ano22-44, Ano22-55, Ano22-45, Ano22-56, Ano22-46, Ano22-57, Ano22-58, Ano22-47, Ano23-40, Ano23-41, Ano23-39, Ano24l, Ano24i, Ano24h, RHC+23, Ano13i, Ano13h, Ano14z, Ano14-29, Ano14w, Ano14-27, Ano14x, Ano14-28, Ano15x,

Ano15y, Ano15z, Ano15-27, Ano16t, Ano16q, Ano16u, Ano16r, Ano16z, Ano16v, Ano16n, Ano16s, Ano16-27, Ano16w, Ano16o, Ano16x, Ano16p, Ano16m, Ano16y, Ano17o, Ano17j, Ano17k, Ano17l, Ano17m, Ano17p, Ano17n, Ano18t, Ano18u, Ano18v, Ano18w, Ano18x, Ano18s, Ano18r, Ano18y, Ano19t, Ano19u, Ano19n, Ano19o, Ano19p, Ano19q, Ano19r, Ano19s, Ano19-29, Ano19-30, Ano20-46, Ano20-38, Ano20-39, Ano20-47]. **Society** [Ano20-40, Ano20-48, Ano20-41, Ano20-49, Ano20-44, Ano20-42, Ano20-43, Ano20-45, Ano21-49, Ano21-53, Ano21-59, Ano21-54, Ano21-60, Ano21-55, Ano21-56, Ano21-61, Ano21-50, Ano21-57, Ano21-62, Ano21-51, Ano21-63, Ano21-52, Ano21-58, Ano22x, Ano22y, Ano22-27, Ano22-39, Ano22-48, Ano22-41, Ano22-40, Ano22-52, Ano22-49, Ano22-53, Ano22-59, Ano22-50, Ano22-42, Ano22-54, Ano22-51, Ano22-43, Ano23-43, Ano23-29, Ano23-32, Ano23-53, Ano23-30, Ano23-48, Ano23-54, Ano23-36, Ano23-42, Ano23-44, Ano23-49, Ano23-55, Ano23-33, Ano23-37, Ano23-45, Ano23-50, Ano23-34, Ano23-38, Ano23-46, Ano23-31, Ano23-51, Ano23-52, Ano23-47, Ano23-35, Ano24j, Ano24k, Ano24g, Ano20-33, Ano20-34, Ano20-35, Ano21-42, Ano21-43, Ano21-44, Ano21-45, Ano22-34, Ano22-35, Ano22-36, Ano22-37, Ano22-38, Ano23z]. **Sociophysics** [Sta03]. **Socket** [SG10]. **Soetaert** [Lud13]. **Soft** [Day11d, Zhu02]. **Soft-Devices** [Zhu02]. **Software** [ABM+24, ARAG19, ABC+14, ACG+20, Ano14y, Ano14-49, Ano15b, Ano20-36, Ano21-48, Ano22-75, ACF18, AHL24, BLO+22, Bli02, BBM+15, BKS15, Car09a, Car09b, Car12, CHHB13, CE14, Car16, CHC17, CGK+18, CENT22a, CENT22b, CF99a, CC03, Chr99, Cos22, CMK22, CGZ20, CHH+13, Day08c, DD23, Don99, Dru20, Dub21, EJ09, Edd09, EWN+13, ERS+03, FLV+09, FIG+23, Fox04b, GEH+99, GGHM24, GAB+22, Gor06b, Gor08c, Gra08b, Gro09, Guo12, HAB17, HLS+16, HHP19, HCK22, Her22, Her24, Hin13c, Hin15a, Hin15c, Hin19, Hoe10, HBG+20, HPC20, JH18, KWBB22, KC19, KMB+19, KHC+20, KHS09, KSM11, KVP+16, KVP+17, KB09, KSM+17, Kni05, KS20, LFK+19, LSN20, LSPN21, Lof22, MTBG+22, MMP+22, MOBD+22, MHB+24, MBH14, MWC+16, MHDM99, MBB+09, MMR22, O'L06a, PSSP15, Peo20, PAN+16b, PK18, PBD+11, PMW20]. **Software** [RBC+19, Reb99, Sch23a, SRKS22, STWK15, Shi02b, SAK+13, SZM+13, SHPL12, SSW21, STH22, SGRK+18, TTT15, Tho12, TJCC20, WDC18, WSG24, WW17, Wil06, WL09, KNS18, CHH+13, DVR+19, Her21]. **Sol** [dA03]. **Sol-Gel** [dA03]. **Solar** [BMCC21, Col18, MRNT17, MFD+09]. **Solar-Powered** [Col18]. **Solid** [Ara99, HD00, JCPS14, Run05, WWJH20]. **Solids** [RcK99]. **Solution** [Eis17, GPZ+04, Moy06, O'L06e, O'L07b, STTV05, TS02, WQLZ18]. **Solution-Adaptive** [GPZ+04]. **Solutions** [BT10b, Bur18, JWEK06, Lud13]. **Solve** [DAEJ18, MSL+07, WB03]. **Solved** [Sul10c]. **Solver** [DGK16, RSC+14]. **Solvers** [Ara99, BFL+22, O'L05f, Wei21]. **Solving** [ATRA00, Bar21b, Bet99, CLC03, CAS+07, CG09, DM04, GPC08, JCPS14, MHK+06, Naj08, O'L05c, Pes03, RK05, RLRML04a, SH10, SBB+15]. **Some** [Kul07, RLRML04b, XBK10]. **Something** [Cho08e, GM06]. **Sonification** [KWT99]. **Soon** [CW05e, Gor08a]. **Sophisticated** [Bas14]. **Sort** [OOB17]. **Sorting** [ALH+20]. **Soulmate** [Day17c]. **Sound** [Azo06, KWT99, LPV00]. **Sound-Wave** [LPV00]. **Source** [ABC+14, BCB07, CC03, CBB06, CGZ20, KNS18, LFN+11, MMP+22, MCGA22, Owe01, PGC21, WCHRM21]. **Space** [AAB+13, Ano18j, Chr15, EAF+23, GPZ+04, LMPV13, LGG+23, Par12, Sin18, WCHRM21]. **Space-Based** [WCHRM21]. **Space-Time** [AAB+13, Ano18j, Sin18].

**Spaced** [LM07a]. **Spaces** [DAEJ18, JS99]. **Spack** [WSG24]. **SPACSSIM** [HAB17]. **Spanish** [MGFRL+12, RLHGA+13]. **Sparse** [O'L05c]. **Spatial** [GW15, Luo13, Sch21, WLL+14]. **Spatiotemporal** [MRHP23, SL03]. **Spawn** [Gor07d]. **Speaking** [Sul07a]. **Special** [Ano05b, Ano09b, Ano10c, Ano11d, Ano15e, Ano15f, CENT22a, CENT22b, Cho06f, FHM99, Got06, MW11b, Ron14]. **Special-Purpose** [FHM99, Got06]. **Special-Relativistic** [MW11b]. **Speciation** [dOMdO+04]. **Specific** [Hin18c, JWLG14]. **Specification** [BHC+08]. **Specifications** [Hin15c]. **Spector** [Mol12]. **Spectra** [Gaa03]. **Spectral** [Cor07, IHL+02, Ome06, RK05, Rei21a, Rei21b, RD05a, RD05b, SM17, SOV+13]. **Spectrum** [Cho06g, EWN+13]. **Speed** [GYJL20, LQZL19, SR12, YYG+19]. **Speeds** [Che03]. **Speedup** [Zhu16]. **Sphere** [AK04]. **Spherical** [LPV00, RRH+02]. **Spheroidal** [Tho99b]. **Spice** [Vla12]. **Spike** [XDK+20]. **Spiking** [JLP+10]. **Spin** [Adl03, DCC10, KHC+07, TL08b]. **Spin-Polarized** [KHC+07]. **SpiNNaker** [JLP+10]. **Spins** [Shi02a]. **Spintronics** [KHC+07]. **Splines** [FGR+07]. **Splitting** [KKO+20]. **SPMD** [BST+13]. **SPMD-Like** [BST+13]. **Sponsors** [Ano20-71]. **Spotlight** [FL99, For99]. **Spray** [MPR18]. **Spray-Wall** [MPR18]. **Spread** [Cho06g]. **Spring** [JCC+10]. **Sprinting** [Dub08c]. **SQL** [HHR+13, Joh09, RTSS14a]. **sqlLoader** [STG08]. **Squares** [Rus01a, Rus02]. **Stability** [YYG+19]. **Stable** [ZJW08]. **Stack** [AE22, HHP19, WSG24]. **Stacked** [PSS20]. **Stage** [GAB+22]. **Staged** [Hin20b]. **Stages** [HC17]. **Staking** [Cho05e]. **Stampede** [Dub15b]. **Standard** [SGS10, SGA+22, Wol21]. **Standards** [Ano15g, Ano21-46, Day11f]. **Stanford** [RF00]. **Star** [AMCL+23]. **Stars** [Ano14-44, Ano14-45, Ano14-46, Ano14-47, Ano14-48, Ano15-43, Ano15-40, Ano15-41, Ano15-42, Ano15-38, Ano15-39, Ano16z, Ano16-27, Ano16-38, Ano16-37, Ano16-39, Ano16-40, Gor08c, Gre07, ZS23, Den16]. **Start** [FAFX20]. **Started** [Gra09, KSB07]. **Starving** [Alt10]. **State** [Bal15, CCJ04, Hin12b, KAČ+22, Lan04, LC09, Moy06, SSP06, YYL+18, ZZC+19]. **State-of-Charge** [YYL+18]. **Statements** [KS20]. **States** [CENT22a, CENT22b, KLQ19]. **Stationary** [Moy06]. **Statistical** [CSS00, Gut01, MRHP23]. **Statistics** [BCC+99, Hah04, Pie04, RT12, SSG16, WCC+02]. **Status** [DF21]. **Stay** [Ano15-45, Ano18-45, Ano19-39, Ano19-40, Ano20-64]. **STC** [Ano13j, Ano14-31]. **Steered** [SPJ+14]. **Stella** [Cho04]. **Stellar** [MSS09, WHW18]. **STEM** [DVS22, DL23, Jef21]. **Stencil** [Wei21]. **Stenosis** [DKCL14]. **Stepping** [Hin18b]. **Stereocilia** [YZC+13]. **Stieltjes** [Rei21a, Rei21b]. **Stiffness** [YLZ+19]. **Still** [WBP+19]. **Stitching** [LHGX18]. **Stochastic** [LWSK07, PSA14, SETK05, She07, TX07, ZS07, ZZS+19, ZLTX19]. **Stochastics** [LH06]. **Stock** [Bea00, MGFRL+12]. **Stokes** [OL06h]. **Stop** [Wit21]. **Storage** [Hin20a, SACR21, YYL+18, ZMM03]. **Stories** [Day10c]. **Story** [BWC01]. **Storytelling** [GP21, SNCM16]. **Strain** [PZJS10]. **Strand** [DGK16]. **Strap** [JXY+19]. **Strategic** [Ano18-41, ES18]. **Strategies** [Ano16-47, Ano16-48, NSLD99, PMW20, RBK02, SH10, SWPB00, Smi16, SLM12, Sto12, WWJH20]. **Strategy** [CXC+20, Hin18a]. **Streak** [WT12]. **Stream** [BCH+09]. **Streaming** [VCGS11]. **Streaming-Enabled** [VCGS11]. **Streamlines** [LM07a]. **Streamlining** [BW14]. **Stress** [GKG+15, O'L04a, PSR+00, WLCD01]. **Stress-Mediated** [WLCD01]. **Strikes** [Cho07b]. **String** [AK04, Gio02]. **Stroll**

[Läu08]. **Structural** [STWK15]. **Structure** [BJ02, BHKW03, CDKF15, GBDW04, GS03, GMPR11, Kyr08, LCY+04, LHGX18, Luo13, YCZ07, vdWCV11]. **Structured** [DBB+21, MOBD+22, TKM+18, YBBP15]. **Structures** [FL05, Maj03]. **Student** [Ano17-31, Ano18-46, Ano21-74, HPMJ12, HC17, KL07, Wri16]. **Students** [BW10, Bei12a, CHM+20b, CHM+20a, Den16, GPL09, GN08, GL20, Hig04, SDS00, WCP17]. **Studies** [AHL+11, Joh12, LC09, PHW+21, SK01]. **Studio** [Kra03]. **Study** [AAH+08, BBW+20, BDCT05, CDL+23, COS+15, DPBS16, DM12, DL23, DDV+08, FAFX20, HF04, HWVD23, JH16, KHG+23, KMSH10, KPM10, MB11, MR13, MM14, Mem16, MSS09, NCM+14, NC18, PSSP15, RPEB14, SDA20, SM17, Sch18, Sch20, Sch21, Sch23b, SLK+20, SNCT13, Sim13, SV14, Ste02, WHH22, Wol16, YWMM04, YYG+19, ZLTX19]. **Studying** [Ma16, MAFM21, OR12, RCD+00, Zeb00]. **Style** [Mol12, Rei13]. **Stylized** [LYC07]. **Subarctic** [EKLY07]. **Subglacial** [SMF+23]. **Subjects** [TGP+06]. **Submissions** [Ano20-56]. **Submodels** [MPR18]. **Subspace** [Saa22, vdV00]. **Subsurface** [Ged16a]. **Subtract** [Tho99a]. **Success** [COS+15, ERF21]. **Successfully** [Gar17]. **Such** [Guo23]. **Sue** [Dub06b]. **Suitability** [GYF+10, HRRS09]. **Summary** [KL15, MJM+06]. **Summer** [Day17c, TL08a]. **Summit** [Hin18b]. **Sun** [GPZ+04, Tou00]. **Sun-to-Earth** [GPZ+04]. **SunRay** [TS02]. **Sunshine** [Thi15b]. **Supercomputer** [Fei05, Rag06, WS99, Dub15b]. **Supercomputers** [Ano18j, Day12f, GIF+12, Sin18]. **Supercomputing** [ACKW01, AGC+16, BLP+21, CE18, GLS11, GK18, Jon19, Mil17, TC21, VSB+21, WG15]. **Supercomputing-Enabled** [GK18]. **Superconducting** [DLW+19]. **Supermodels** [Rad21]. **Supernova** [Ott16]. **Supernovae** [OR12, Tow09]. **Supply** [She07]. **Supply-Chain** [She07]. **Supplying** [EDJ+10]. **Support** [CHB19, GP15, GPMSC20, Mas06, MBH14, MSD10, SPB+20, TGU21, WPM+12]. **Supporting** [GSK+23, HLS+16, KHE13, LZZ17, LGW+17]. **Supports** [SYM+21]. **Sure** [Sul08c]. **Surface** [CS01a, Gaa03, GGJD23, KS01, MPR18, Pey11c, QPCJ07]. **Surfaces** [JCC+10, LJWC06, YaL10]. **Surgery** [DBJ+20, JT01]. **Surprises** [Sul01b]. **Surveillance** [Day13d]. **Survey** [Ano00b, CHHB13, CW06, FKSS08, GZC14, PMP21, VWL+11, Nei08, Sza99, Tha08b]. **Surveys** [HHF+14]. **Survivability** [SKC02]. **Survivability-Lethality** [SKC02]. **Survival** [AT06]. **Susceptible** [Sch21]. **Susceptible-Infected-Recovered** [Sch21]. **Suspension** [Sul01d]. **Sustainability** [CGK+18, CHH+13, FIG+23, MHB+24, RBC+19]. **Sustainable** [Ano16-30, Ano18-28, Ano20m, Ano20k, Ano20l, Ano21s, Ano21t, Ano21u, Ano22r, Ano22s, Ano22t, Ano23n, Ano24d, Tow18]. **Sustained** [BPW+20, CJL+18, KMB+19]. **Sustaining** [Wes03]. **SV** [HLYQ19]. **SV-FVDM** [HLYQ19]. **SVD** [WLL+14]. **SVG** [LVWK02]. **SVP** [Tou02b]. **SVP-6000** [Tou02b]. **SWARM** [vGDS18]. **Swatch** [Kil99, NLV99]. **Swiftly** [Dub15a]. **SWIG** [Cot03]. **Swimming** [CFCD04]. **Swinging** [OS03]. **Switch** [Kil99, NLV99]. **Sylvester** [O'L05f]. **Symbolic** [DM04, RT12, VGM+09]. **SymPy** [RT12]. **Synchronous** [Can99]. **Synthesis** [AMKL04, GEH+99, LNI+19, VMK20]. **Synthesis-Based** [VMK20]. **Synthetic** [HLYQ19, UGV11]. **System** [BCC+09, DLW+19, DAKM16, DC04, DDV+08, GHT+10, GVB15, Gra08b, HDB+04, Hin17a, Ikk16, JLYL19, KNKP14, KB04, KS00, LWF10, Los03, MS22,

MRKK17, MKM+14, O'L07a, O'L07b, OL06h, PG07, RPBE12, Run00, SSG16, SLK+20, Sor19, STM99, SBZB13, TKM+18, TJ14, UGV11, WNDV21, ZLTX19, TSFG08]. **Systematic** [HMB+14]. **Systems** [ABM+24, AMKL04, BKRT21, BFS04, Che10, CJTH+13, DMA+21, FAFX20, FGRS17, GJP24, Gro09, HAB17, HLT09, JR10, KC09a, KC09b, KC09c, Kwa17, Kyr08, MW14, Muz19, MS07, MGS07, NW15, O'L05c, O'L06c, OSM+19, Owe01, Par00b, PSA14, RLRML04a, SDA20, SU22, STB03, SGS10, TB11, TX07, TL08b, TBM+19, VM15, VWP12, WHM+02, YB12, Wil01].

**Table** [Ano13q, Ano13r, Ano14-50, Ano14-51, Ano14-52, Ano14-53, Ano14-54, Ano15-46, Ano15-47, Ano16-41, Ano16-42, Ano16-43, Ano16-44, Ano16-45, Ano16-46, Ano17-37, Ano17-32, Ano17-33, Ano17-34, Ano17-35, Ano17-36, Ano18-47, Ano18-48, Ano18-49, Ano18-50, Ano18-51, Ano18-52, Ano19-41, Ano19-42, Ano19-43, Ano19-44, Ano19-45, Ano19-46, Ano20-70, Ano20-65, Ano20-66, Ano20-67, Ano20-68, Ano20-69, Ano21-75, Ano21-76, Ano21-77, Ano21-78, Ano21-79, Ano21-80, Ano22-69, Ano22-70, Ano22-71, Ano22-72, Ano22-73, Ano22-74, Ano23-68, Ano23-69, Ano23-70, Ano23-71, Ano23-72, Ano23-73, Ano24n, KEF07, Pos16]. **Tables** [Bez08, MPP14]. **Tablet** [Day16c]. **Tablets** [Thi13d]. **Tackle** [DMXR+14]. **Tackling** [Akl18]. **Tagged** [HMA00]. **Take** [Ano14-55, Ano14-56, Ano15-48, Ano15-49, Ano16-47, Ano16-48, Bei09b, Jef22]. **Takes** [FGP99, Jon15]. **Taking** [O'L05c]. **Tale** [Ste12]. **Talk** [SACR21, WBP+19]. **TAM** [DYY+17]. **Tangled** [Sul02d]. **Tank** [DDV+08]. **Tape** [CW05d]. **Tapia** [BTL19]. **Target** [HEH+10]. **Targeted** [SNCM16]. **Task** [DMA+21]. **Task-Based** [DMA+21]. **Tasks** [BBN03, FKSS08]. **Taste** [MMTD+17]. **TAU** [MS22]. **Taxonomy** [GB20]. **Teacher** [NG20]. **Teachers** [GPMSC20]. **Teaching** [AAGH17a, AAGH17b, Bas14, GL08, JHJ01, Kin16, Lew00c, Pat02]. **Team** [APC+19, BLO+22, BLT+23, MKL+23]. **Teams** [HCK22, Lof22, MOBD+22]. **Tears** [PCBVS19]. **Tech** [Ano19-31, Ano19-32, WMB20]. **Techies** [Lew00c]. **TechIngnite** [Ano17-38, Ano17-39]. **Technical** [DSPY05, Hin15b, HSP+23, PMK+08, Wri10]. **Technique** [CCSS08, DTA21, Hin20b, LCC+19]. **Techniques** [FAFX20, Hoe10, KLMS99, LWT+13, Ma16, Muh23, NSP12, STWK15, Wan18, ZYKG04]. **Technologies** [Gra08a, SKC02, VP04]. **Technology** [Ano18z, Ano19y, Ano20-72, BPW+20, BCH+09, BCC+99, Bur99, CC99, For99, Fox02a, Goo17, IKMK13, Kal99, LL18, Nob00b, Sha99, Shi99, Shi00c, Shi00b, Shi00d, Shi00a, Shi01a, TW17, TMC+13, Tou00, Tou01, YMLJ06, YLZ17]. **Tectonics** [MGZ00]. **Teleology** [BC02]. **Telescope** [Chr15, PRCL+22, Shn06]. **Telescopes** [HJLH03]. **Tell** [Sul00b]. **Temperature** [DCC10, DLW+19]. **Temperatures** [TR08]. **Template** [SL99]. **Templates** [HC99, Kir03]. **Temporal** [DZW+05, DB21]. **TEMS** [Ano18z, Ano19y]. **Ten** [Cho08d, Dub99, RTSS14a, RTSS14b]. **Tennessee** [Par12]. **Tensile** [JXY+19]. **Tensor** [CRNO23, FK23, HWVD23]. **Tensorlab** [HWVD23]. **TeraGrid** [DKK05]. **Terahertz** [GBPR11]. **Term** [AISR+21, HS12, KILZ13, RBC+19, TNR+23]. **Terms** [Nan11, Smi99c]. **Terra** [Got01]. **Terrain** [HEH+10]. **Terrain-Related** [HEH+10]. **Terrific** [Got01]. **Terrorism** [Bor02]. **Test** [AGM+00, NCM+14, NC18, RPBE12, STHR12]. **Test-Driven** [NCM+14, NC18]. **Testing** [Clo15, DLLZ19, DLLZ20, Dub12, Edd09, Hin15a, HK09, KC19, LSN20, PD02, RPBE12, Rus01b, TLG06, WM00].

**Teuscher** [Lov04]. **Texas** [PHW+21]. **Texascale** [CED+21]. **Text** [Aya07, Aya14, BCG+99, KHE13, KNV03]. **Textbook** [GL08]. **Textbooks** [BP10]. **Textiles** [NG20]. **Texture** [FOdLVF+11, NW13]. **Texture-Based** [FOdLVF+11, NW13]. **Thank** [Ano20-71]. **Thanks** [Ano05b, Ano09b, Ano10c, Ano11d, Ano15a, Ano16a, Ano18a, Cho06f]. **Their** [KHG+23, KLS01, Mem16, MMR22, PI16, RLRML04a, ZLW+19]. **Them** [Wil06]. **Thematic** [AAB+13]. **Theme** [Sny13]. **Theme-Based** [Sny13]. **Theoretic** [KNV03, TDT+22, ZS07]. **Theorist** [Cre99]. **Theory** [Ara99, HHZK01b, HHZK01a, Jq19, JG13, KNG10, KS01, PMW20, Sch01, ZZS+19]. **Therapeutics** [VSB+21]. **Therapy** [Lew99b, SG00, ZFS12]. **There** [Esq11]. **Thermal** [JC02, PZJS10]. **Thermath** [MAC08]. **Thermodynamic** [Hus22]. **Thermodynamics** [SR13]. **Thermomechanical** [CBS14]. **Thermonuclear** [RCD+00, Tow09]. **Theta** [Wil18]. **Things** [Bet17, Dub07b, FGRS17, HGA23, Smi00d, Sul10b, CBF+22]. **Think** [Kus07, MB17]. **Thinker** [Lov04]. **Thinking** [Day11b, GP21, PKST08c, PQQ20, Thi09a, Yas17a]. **Third** [Smi00c, dSRT16]. **Those** [Wil08]. **Thought** [Sul05b]. **Thoughts** [KC24]. **Thousand** [Sku04]. **Thousands** [MHB+24]. **Threads** [Sul01b]. **Threat** [Bor02]. **Threats** [TMMB18]. **Three** [BFF12, Day11b, DG12, DDV+08, GWMG04, Maj03, PHW+21, Sil02]. **Three-Dimensional** [GWMG04, Maj03]. **Three-Tank** [DDV+08]. **Throughput** [MWC+16]. **Thunderstorms** [Orf21]. **Tightly** [GIF+12]. **Time** [AM20, AAB+13, Ano18j, BPMKC21, BKS15, CYW01, CC99, Day15b, DLLZ19, DLLZ20, Don02, DTA21, Eis17, Gor06a, Gyu99, JSNR11, Kil99, LCY08, Liu15, Ma03, MHDM99, NLV99, Oug03, PSA14, SACR21, Sin18, Sul08c, TDT+22, VWL+11, WHM+02, WT12, WWJH20, YZZ04, YHWY05, VSG+02]. **Time-** [Eis17]. **Time-Domain** [Oug03]. **Time-Integrated** [WWJH20]. **Time-Series** [Liu15]. **Time-Varying** [DLLZ19, DLLZ20, DTA21, Ma03, TDT+22]. **Times** [Leu20, SBH+00]. **Tip** [YWMM04]. **Tip-Clearance** [YWMM04]. **Titan** [Bet17, Jon15]. **Title** [Ano15-35, Ano15-36]. **TMSCS** [Ano18-53]. **Today** [Ano19-28, Ano19-38, Ano23-58, Bar21b, Bei12a, FM02, HG02, Ano23s]. **Tolerant** [LCC+19]. **Tomography** [FL05, HBB08, Sch09, SGA03]. **Tomorrow** [CS01b, HG02]. **Tongues** [GGJD23]. **Too** [BOS07, SRKS22]. **Tool** [BBW+20, Guo12, LMC20, MM16, PGF+15, Tan21, TL08b]. **Toolbox** [CC99, MSR+16, Thi07]. **Toolkit** [SZM+13, War18, VCGS11]. **Tools** [BLT+23, CF99a, Don03, Guo23, Her24, HLT09, LeV09, MS22, PAN+16a, PNL+16, Rag06, Sil02, SÖS+00, SLM12, Sto12, Tof08, Wri10]. **Top** [Ano20-72, Bei11c, DS00, MBS+00]. **Top500** [Fei05]. **Topic** [Ano14t, TM15]. **Topography** [SMF+23]. **Topologies** [AK04]. **Topology** [GNB+09]. **Topology-Based** [GNB+09]. **TOPSIS** [Jq19]. **Torque** [CXC+20]. **Torsion** [O'L04a]. **Total** [Sch09]. **Totally** [Lew99b, Smi00d]. **Touching** [EPHY18]. **Tour** [SLK+20]. **Tours** [Pey11a, Pey11b, Pey11c]. **Tower** [Hin15a, Cho09b]. **Towers** [Far99]. **Toy** [DiP18b]. **TRACE** [SGRK+18]. **Tracing** [SWDR22, ZSM+22]. **Track** [HSJ+19, Lew01b, YLZ+19]. **Tracked** [AMKL04]. **Tracking** [BAD+21, DTA21, JD03, KBPW15, RTSS14a, SSCN11, TJCC20]. **Trade** [PKST08c]. **Trade-offs** [PKST08c]. **Traditional** [Mus20]. **Traffic** [CS18, CSS00, HLYQ19, HT99, LMC20, SSCN11, SU22]. **Trailblazing** [HW09]. **Train** [GYJL20, LQZL19, MPR18]. **Trainer**

[Don10]. **Training** [Chu21, CMK22, JPMG08, KKKM23, MB20a, Tha14]. **Trains** [RLHGA+13, YYG+19]. **Trajectories** [BH02, WB03]. **Trajectory** [Don02, EVL+17]. **Transactions** [Ano16-28, Ano16-29, Ano16-30, Ano18-27, Ano18-28, Ano20u, Ano20v, Ano20j, Ano20m, Ano20k, Ano20l, Ano21-32, Ano21-33, Ano21m, Ano21n, Ano21o, Ano21p, Ano21q, Ano21r, Ano21s, Ano21t, Ano21u, Ano22q, Ano22r, Ano22s, Ano22t, Ano23-27, Ano23-28, Ano23m, Ano23n, Ano24f, Ano24c, Ano24d, Ano21x]. **Transcendental** [Tho00]. **Transductive** [ZWYL20]. **Transfer** [BHC+08, KEF07, PSR+00, ZWYL20]. **Transfer-Function** [BHC+08]. **Transform** [CS18, Cor07, Mus20, Tre99, DR05c, DR05b, DR05a, Don06a, Don06b, RD05a, RD05b]. **Transformation** [Par22]. **Transformations** [Sah03, ZZPC06]. **Transformer** [Jq19]. **Transforming** [GGHM24, PMK+08, SDD+08]. **Transforms** [NA07]. **Transgender** [Wri16]. **Transient** [WCC+19]. **Transistor** [Key05, The03]. **Transition** [CXC+20, dA03]. **Transitions** [BMS99, Lan99]. **Translating** [MS22]. **Translation** [EWN+13]. **Translational** [BCE+22, BLT+23, CDL+23, PA21, TNR+23, WHH22]. **Translationists** [PA22]. **Translator** [UZC+12]. **Transonic** [GvdWT07]. **Transparency** [Bar21a]. **Transparent** [Che17b, DYY+17, GHKZ17, LZZ17, Moy06, PLW17, YLZ17, ZGR+17]. **Transparently** [KRR+12]. **Transport** [KHC+07, Mal07a, Mal07b, PZJS10, SWDR22, TAM+14]. **Travel** [Day18e]. **Treading** [For02]. **Treating** [Tow09]. **Treatment** [VWL+11]. **Treatments** [LSDP+04]. **Treats** [Dau99]. **Tree** [Gor05a, GYF+10]. **Trees** [DBCN03]. **Trenches** [PA22, PMK+08]. **Trends** [Ano20-72, KT11, KS13, Lew99a, Lew99b, Sch99, VB22]. **Triangles** [DSC+09]. **Triangulation** [Bei02]. **Tridiagonal** [BFL+22]. **Trinity** [NRG+17]. **Tropical** [DRA11, STG11, SNTL13, SNCT13]. **Truels** [AT06]. **Trusses** [O'L12]. **Trust** [BFS04, Sul02e]. **Trustworthy** [Bar21a]. **Try** [Bei11b]. **Trying** [DC04]. **Tsunami** [EI11, LL11]. **TSUSC** [Ano18-54]. **Tumor** [LWT+13, VWL+11]. **Turbomachines** [YWMM04]. **Turbulence** [KBLE15, NTW07, PR01, RF00, SJDV09, TWE14]. **Turbulent** [AMCH07, CCPS12, DJS13, HF04, LUMM14, MP09]. **Turing** [Lov04, Hin17b, Lov04]. **Turn** [Day06c]. **Turned** [Sch23a]. **Turning** [Cho08e, DB07, LDAS19]. **Tutorial** [JG13, Wan23]. **Tweets** [AAB+13]. **Twice** [RRAB06]. **Twiddling** [Coh09]. **Twins** [CSR+23]. **Twist** [O'L04a]. **Twitter** [FL21]. **Two** [BOS07, BW01, DAEJ18, GWMG04, Has12, MVUSK14, Pat02, Ron14, Ste12, Tou00, TCCC13]. **Two-** [GWMG04]. **Two-Body** [Ron14]. **Two-Level** [DAEJ18]. **Typed** [LT09]. **Types** [PMM+08].

**U.K.** [BBWW22]. **U.S.** [ABM+24, HP20, MF23, MBB+22]. **Ubiquitous** [ARO+11]. **UK** [MWE08]. **Ultimate** [Smi99e, Smi00d]. **Ultrafast** [Oug03]. **Ultrahigh** [WSY+22]. **Ultrahigh-Resolution** [WSY+22]. **UltraLight** [NCB+05]. **Ultrashort** [TDB09]. **Ultrasonic** [DLLZ19, DLLZ20]. **UML** [RGD13]. **UML/MARTE** [RGD13]. **Uncertainties** [Rus01b]. **Uncertainty** [AH07, XKG05, ZLW+19]. **Uncle** [Day09a]. **Uncovering** [Har18]. **Undergoing** [ZJW08]. **Undergraduate** [Don03, DL23, Ful06, GCV08, Mar17, Pes03, TK06]. **Undergraduates** [Lan04, Tur14b]. **Underrepresented** [Den16]. **Understanding** [BNNM04, Che18, Com20, Cyb02, EJ09, GPC08, GvdWT07, HS12, MRNT17, Ott16, WMB20]. **Unearthing**

[Mor15]. **Uneven** [Mar17]. **Unexpected** [PK18]. **Unified** [GRS08, HRRS09]. **Unifying** [Has12, KMM+11]. **Union** [FM02]. **Unique** [GL08]. **Unit** [TLG06, YYL+18]. **United** [CENT22a, CENT22b, KLQ19]. **Units** [CRDO16, UM08, WOAEAG10, Zhu16]. **Units-of-Measure** [CRDO16]. **universal** [GGD+05, BO03]. **Universe** [ACS15, Bry99, Jon15, MKM+14, PHL+10, WS99, Ged16b]. **University** [Cos22, DSPY05, Lan04, LC09, Par12]. **Unleashed** [MGS07]. **Unlimited** [Ano17-29, Ano17-30, Ano18-42]. **Unresolvable** [Tow09]. **Unsteadiness** [MM04]. **Unsteady** [GvdWT07]. **Unstructured** [MOBD+22]. **Until** [Sul10c]. **Up-Winded** [WWJH20]. **Update** [DF21, SEPC10, Tho12, WLL+14]. **Updating** [O'L06e, O'L06g]. **Upgrades** [PCBVS19]. **Upload** [Ano19-28, Ano23s]. **Upward** [Cho04, Sul01a]. **Urban** [CBF+22]. **URSSI** [CGK+18]. **USA** [PHW+21]. **Usage** [KS20, MSR15, RTSS14a, SdPV21, Mol12]. **Use** [BAD+21, Don03, GLTZ10, HBG+20, Mil21, Poi10, Roc00]. **Used** [Sul04f]. **Useful** [Cho08e, LGJ+19, TLG06, Thi11b]. **Useless** [Smi00d]. **User** [LSPN21, NSP12, SPW+13, SPJ+14, SGRK+18]. **User-Centered** [NSP12, SGRK+18]. **User-Steered** [SPJ+14]. **Users** [KKKM23]. **Uses** [SSG16]. **Usher** [LL13]. **Using** [APS10, Ano18j, ALM19, Azo06, BST+13, BBN03, BCH+09, BTK+21, BT10b, BBM+21, CS18, CS01a, Cot03, DL23, DKCL14, Eis17, FOdLVF+11, FAFX20, FKB+13, Gal11, GEH+99, GW15, GYF+10, Guo23, HMA00, HRWS06, HHR02, HH99, HWPS16, HKW03, Hin20b, HSJ+19, IHL+02, JHJ01, JCC+10, JJZC10, JG12, JS99, JON+21, KFS18, KSP12, KEF07, KSSF11, LVLA14, LWG19, LPV00, MAC08, MPP14, MSL+07, Mor15, Moy06, MFD+09, Naj08, Ono01, PE09, Rao16, RPBE12, RLRML04a, SMM+11, SU22, SSC18, SYP08, Sin18, Smi03, SJDV09, Taj10, TK06, Tre99, VS23, Vir16, Vla12, Vor01b, WCHRM21, WLCJ12, WPM+12, WCAL14, WNZ+17, WD06, WOAEAG10, WT12, WWJH20, WB03, XHL+13, XXK+02, YCKK03, YWMM04, Zak18, Zei17, ZZPC06, ZL09, SOV+13]. **Utility** [Cho06e]. **UV** [SPW+13]. **UV-CDAT** [SPW+13].

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**Anonymous:2015:RSCb**

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**Anonymous:2015:RSCc**

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**Anonymous:2015:RSC**

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**Anonymous:2016:CNEb**

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**Anonymous:2016:FCb**

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**Anonymous:2016:FCc**

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**Anonymous:2016:FCd**

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[Ano20p] Anonymous. Call for articles. *Computing in Science and Engineering*, 22(5): 94, September/October 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:CAIa**

[Ano20q] Anonymous. Call for articles *IEEE Pervasive Computing. Computing in Science and Engineering*, 22(2): 7, March/April 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:CAIb**

[Ano20r] Anonymous. Call for articles: *IEEE Pervasive Computing. Computing in Science and Engineering*, 22(6):102, November/December 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:CN**

[Ano20s] Anonymous. Call for nominations. *Computing in Science and Engineering*, 22(3): 51, May/June 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:CP**

[Ano20t] Anonymous. Call for papers. *Computing in Science and Engineering*, 22(3):63, May/June 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:CPIa**

[Ano20u] Anonymous. Call for papers: *IEEE Transactions on Computers. Computing in Science and Engineering*, 22(5):

82, September/October 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:CPIb**

[Ano20v] Anonymous. Call for papers: *IEEE Transactions on Computers. Computing in Science and Engineering*, 22 (6):114, November/December 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:CAa**

[Ano20w] Anonymous. CGA ad. *Computing in Science and Engineering*, 22(2):87, March/April 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:Cb**

[Ano20x] Anonymous. COMPSAC 2020. *Computing in Science and Engineering*, 22(1):101, January/February 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:Cc**

[Ano20y] Anonymous. COMPSAC 2020. *Computing in Science and Engineering*, 22(2): C2, March/April 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:CGAb**

[Ano20z] Anonymous. Computer graphics and applications. *Computing in Science and Engineering*, 22(5):71, September/October 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:FCa**

[Ano20-27] Anonymous. [front cover]. *Computing in Science and Engineering*, 22(1):C1, January/February 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:FCb**

[Ano20-28] Anonymous. Front cover. *Computing in Science and Engineering*, 22(2):C1, March/April 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:FCc**

[Ano20-29] Anonymous. Front cover. *Computing in Science and Engineering*, 22(3):C1, May/June 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:FCd**

[Ano20-30] Anonymous. Front cover. *Computing in Science and Engineering*, 22(4):C1, July/August 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:FCe**

[Ano20-31] Anonymous. Front cover. *Computing in Science and Engineering*, 22(5):C1, September/October 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:FC**

[Ano20-32] Anonymous. Front cover. *Computing in Science and Engineering*, 22(6):C1, November/December 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:GPNa**

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**Anonymous:2020:GPNb**

[Ano20-34] Anonymous. Get published in the new *IEEE Open Journal of the Computer Society*. *Computing in Science and Engineering*, 22(5):95, September/October 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:GPNc**

[Ano20-35] Anonymous. Get published in the new *IEEE Open Journal of the Computer Society*. *Computing in Science and Engineering*, 22(6):C3, November/December 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:HDM**

[Ano20-36] Anonymous. Harlan D. Mills Award: Call for software engineering award nominations. *Computing in Science and Engineering*, 22(5):83, September/October 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:HRN**

[Ano20-37] Anonymous. HOST 2020 register now. *Computing in Science and Engineering*, 22(2):96, March/April 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:ICSb**

[Ano20-38] Anonymous. IEEE Computer Society. *Computing in Science and Engineering*, 22(1):C3, January/February 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:ICSc**

[Ano20-39] Anonymous. IEEE Computer Society. *Computing in Science and Engineering*, 22(2):C3, March/April 2020. CODEN CSENFA. ISSN 1521-

9615 (print), 1558-366X (electronic).

**Anonymous:2020:ICSf**

[Ano20-40] Anonymous. IEEE Computer Society. *Computing in Science and Engineering*, 22(3): C3, May/June 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:ICSi**

[Ano20-41] Anonymous. IEEE Computer Society. *Computing in Science and Engineering*, 22(4): C3, July/August 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:ICSl**

[Ano20-42] Anonymous. IEEE Computer Society. *Computing in Science and Engineering*, 22(5): C3, September/October 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:ICSm**

[Ano20-43] Anonymous. IEEE Computer Society. *Computing in Science and Engineering*, 22(6): 4, November/December 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:ICSk**

[Ano20-44] Anonymous. IEEE Computer Society: Call for papers. *Computing in Science and Engineering*, 22(5): 28, September/October 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:ICSn**

[Ano20-45] Anonymous. IEEE Computer Society: Call for papers. *Computing in Science and Engineering*, 22(6):29, November/December 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:ICSa**

[Ano20-46] Anonymous. IEEE Computer Society has you covered! *Computing in Science and Engineering*, 22(1): 52, January/February 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:ICSd**

[Ano20-47] Anonymous. IEEE Computer Society has you covered! *Computing in Science and Engineering*, 22(3): C2, May/June 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:ICSg**

[Ano20-48] Anonymous. IEEE Computer Society has you covered! *Computing in Science and Engineering*, 22(4): C2, July/August 2020. CODEN CSENFA. ISSN 1521-

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**Anonymous:2020:ICSj**

[Ano20-49] Anonymous. IEEE Computer Society has you covered! *Computing in Science and Engineering*, 22(5): C2, September/October 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:ICSp**

[Ano20-50] Anonymous. IEEE Computer Society Jobs Board. *Computing in Science and Engineering*, 22(6):113, November/December 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:ICSe**

[Ano20-51] Anonymous. IEEE Computer Society Volunteer Service Awards. *Computing in Science and Engineering*, 22 (3):93, May/June 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:ICSh**

[Ano20-52] Anonymous. IEEE Computer Society Volunteer Service Awards. *Computing in Science and Engineering*, 22(4):61, July/August 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:ICSo**

[Ano20-53] Anonymous. IEEE Computer Society Volunteer Service Awards. *Computing in Science and Engineering*, 22 (6):60, November/December 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:IIC**

[Ano20-54] Anonymous. IEEE IRI 2020 call for papers. *Computing in Science and Engineering*, 22(2):95, March/April 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:IQWb**

[Ano20-55] Anonymous. IEEE Quantum Week. *Computing in Science and Engineering*, 22(5): C4, September/October 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:IQWa**

[Ano20-56] Anonymous. IEEE Quantum Week 2020 is open for submissions. *Computing in Science and Engineering*, 22(2): 77, March/April 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:KYC**

[Ano20-57] Anonymous. Keep your career options open. *Computing in Science and Engineering*,

22(1):C2, January/February 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:Ma**

[Ano20-58] Anonymous. Masthead. *Computing in Science and Engineering*, 22(1):1, January/February 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:Mb**

[Ano20-59] Anonymous. Masthead. *Computing in Science and Engineering*, 22(2):1, March/April 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:Mc**

[Ano20-60] Anonymous. Masthead. *Computing in Science and Engineering*, 22(3):1, May/June 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:Md**

[Ano20-61] Anonymous. Masthead. *Computing in Science and Engineering*, 22(4):1, July/August 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:Me**

[Ano20-62] Anonymous. Masthead. *Computing in Science and Engineering*, 22(5):1, September/October 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:M**

[Ano20-63] Anonymous. Masthead. *Computing in Science and Engineering*, 22(6):1, November/December 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:SC**

[Ano20-64] Anonymous. Stay connected. *Computing in Science and Engineering*, 22(6):8, November/December 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:TCa**

[Ano20-65] Anonymous. Table of contents. *Computing in Science and Engineering*, 22(1):2–3, January/February 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:TCb**

[Ano20-66] Anonymous. Table of contents. *Computing in Science and Engineering*, 22(2): 2–3, March/April 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:TCc**

[Ano20-67] Anonymous. Table of contents. *Computing in Sci-*

*ence and Engineering*, 22(3): 2–3, May/June 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:TCd**

[Ano20-68] Anonymous. Table of contents. *Computing in Science and Engineering*, 22(4): 2–3, July/August 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:TCe**

[Ano20-69] Anonymous. Table of contents. *Computing in Science and Engineering*, 22 (5):2–3, September/October 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:TC**

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**Anonymous:2020:TYO**

[Ano20-71] Anonymous. Thank you to our sponsors! *Computing in Science and Engineering*, 22 (6):C2, November/December 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2020:TTT**

[Ano20-72] Anonymous. Top technology trends for 2020 featured in *Computer*. *Computing in Science and Engineering*, 22(2): 54, March/April 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:CGAa**

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**Anonymous:2021:CGAb**

[Ano21b] Anonymous. *Computer Graphics and Applications*. *Computing in Science and Engineering*, 23(3):41, May/June 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:Ca**

[Ano21c] Anonymous. *ComputingEdge*. *Computing in Science and Engineering*, 23(1):C2, January/February 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:Cb**

[Ano21d] Anonymous. *ComputingEdge*. *Computing in Science and Engineering*, 23(2):C2, March/

April 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:Cd**

[Ano21e] Anonymous. *ComputingEdge. Computing in Science and Engineering*, 23(3):C2, May/June 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:Ce**

[Ano21f] Anonymous. *ComputingEdge. Computing in Science and Engineering*, 23(4):C2, July/August 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:Cf**

[Ano21g] Anonymous. *ComputingEdge. Computing in Science and Engineering*, 23(5):C2, September/October 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:Cg**

[Ano21h] Anonymous. *ComputingEdge. Computing in Science and Engineering*, 23(6):C2, November/December 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:IAHa**

[Ano21i] Anonymous. *IEEE Annals of the History of Computing. Computing in Science and Engineering*, 23(1):88, January/February 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:IAHb**

[Ano21j] Anonymous. *IEEE Annals of the History of Computing. Computing in Science and Engineering*, 23(2):92, March/April 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:IAHc**

[Ano21k] Anonymous. *IEEE Annals of the History of Computing. Computing in Science and Engineering*, 23(6):51, November/December 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ICG**

[Ano21l] Anonymous. *IEEE Computer Graphics and Applications. Computing in Science and Engineering*, 23(6):15, November/December 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ITBa**

[Ano21m] Anonymous. *IEEE Transactions on Big Data. Computing in Science and Engineering*, 23(1):101, January/February 2021. CODEN CSENFA.

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**Anonymous:2021:ITBb**

[Ano21n] Anonymous. *IEEE Transactions on Big Data. Computing in Science and Engineering*, 23 (3):13, May/June 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ITBc**

[Ano21o] Anonymous. *IEEE Transactions on Big Data. Computing in Science and Engineering*, 23(4):28, July/August 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ITBd**

[Ano21p] Anonymous. *IEEE Transactions on Big Data. Computing in Science and Engineering*, 23(5):38, September/October 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ITBe**

[Ano21q] Anonymous. *IEEE Transactions on Big Data. Computing in Science and Engineering*, 23(6):41, November/December 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ITC**

[Ano21r] Anonymous. *IEEE Transactions on Computers. Computing in Science and Engineering*, 23(2):46, March/April 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ITSa**

[Ano21s] Anonymous. *IEEE Transactions on Sustainable Computing. Computing in Science and Engineering*, 23(1):107, January/February 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ITSb**

[Ano21t] Anonymous. *IEEE Transactions on Sustainable Computing. Computing in Science and Engineering*, 23(4): 54, July/August 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ITSc**

[Ano21u] Anonymous. *IEEE Transactions on Sustainable Computing. Computing in Science and Engineering*, 23(6):33, November/December 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:IPC**

[Ano21v] Anonymous. *IT Professional*: Call for articles. *Computing in Science and Engineering*, 23(4):17, July/August 2021. CODEN CSENFA. ISSN

1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:SPa**

[Ano21w] Anonymous. *Security & Privacy. Computing in Science and Engineering*, 23(1): 92, January/February 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:TBD**

[Ano21x] Anonymous. *Transactions on Big Data. Computing in Science and Engineering*, 23(2): 98, March/April 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:CMAa**

[Ano21y] Anonymous. Call for 2021 major awards nominations. *Computing in Science and Engineering*, 23(1):108, January/February 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:CMAb**

[Ano21z] Anonymous. Call for 2021 major awards nominations. *Computing in Science and Engineering*, 23(5):72, September/October 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:CAa**

[Ano21-27] Anonymous. Call for articles. *Computing in Science and Engineering*, 23(1): 34, January/February 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:CAb**

[Ano21-28] Anonymous. Call for articles. *Computing in Science and Engineering*, 23(5): 9, September/October 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:CAIa**

[Ano21-29] Anonymous. Call for articles: *IEEE Pervasive Computing. Computing in Science and Engineering*, 23(1):106, January/February 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:CAIb**

[Ano21-30] Anonymous. Call for articles: *IEEE Pervasive Computing. Computing in Science and Engineering*, 23(3):72, May/June 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:CAIc**

[Ano21-31] Anonymous. Call for articles: *IEEE Pervasive Computing. Computing in Science and Engineering*, 23(4):

46, July/August 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:CPIa**

[Ano21-32] Anonymous. Call for papers: *IEEE Transactions on Computers. Computing in Science and Engineering*, 23(4): 64, July/August 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:CPIb**

[Ano21-33] Anonymous. Call for papers: *IEEE Transactions on Computers. Computing in Science and Engineering*, 23 (6):24, November/December 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:FCa**

[Ano21-34] Anonymous. Front cover. *Computing in Science and Engineering*, 23(1):C1, January/February 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:FCb**

[Ano21-35] Anonymous. Front cover. *Computing in Science and Engineering*, 23(2):C1, March/April 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:FCc**

[Ano21-36] Anonymous. [front cover]. *Computing in Science and Engineering*, 23(3):C1, May/June 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:FCd**

[Ano21-37] Anonymous. Front cover. *Computing in Science and Engineering*, 23(4):C1, July/August 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:FCe**

[Ano21-38] Anonymous. [front cover]. *Computing in Science and Engineering*, 23(5):C1, September/October 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:FCf**

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**Anonymous:2021:GPNd**

[Ano21-40] Anonymous. Get published in the new *IEEE Open Journal of the Computer Scoiety. Computing in Science and Engineering*, 23(4):

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**Anonymous:2021:GPNe**

[Ano21-41] Anonymous. Get published in the new *IEEE Open Journal of the Computer Scoiety. Computing in Science and Engineering*, 23(5):C3, September/October 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:GPNa**

[Ano21-42] Anonymous. Get published in the new *IEEE Open Journal of the Computer Society. Computing in Science and Engineering*, 23(1):C3, January/February 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:GPNb**

[Ano21-43] Anonymous. Get published in the new *IEEE Open Journal of the Computer Society. Computing in Science and Engineering*, 23(2): C3, March/April 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:GPNc**

[Ano21-44] Anonymous. Get published in the new *IEEE Open Journal of the Computer Society. Computing in Science and Engineering*, 23(3):C3, May/June 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:GPNf**

[Ano21-45] Anonymous. Get published in the new *IEEE Open Journal of the Computer Society. Computing in Science and Engineering*, 23(6):C3, November/December 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:HKS**

[Ano21-46] Anonymous. Hans Karlsson Standards Award. *Computing in Science and Engineering*, 23(2):83, March/April 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:HDMa**

[Ano21-47] Anonymous. Harlan D. Mills Award. *Computing in Science and Engineering*, 23(2): 120, March/April 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:HDMb**

[Ano21-48] Anonymous. Harlan D. Mills Award: Call for software engineering award nominations. *Computing in Science and Engineering*, 23(4): 92, July/August 2021. CODEN CSENFA. ISSN 1521-

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**Anonymous:2021:ICSa**

[Ano21-49] Anonymous. IEEE Computer Society. *Computing in Science and Engineering*, 23(1):1, January/February 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ICSk**

[Ano21-50] Anonymous. IEEE Computer Society. *Computing in Science and Engineering*, 23(4): 1, July/August 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ICSn**

[Ano21-51] Anonymous. IEEE Computer Society. *Computing in Science and Engineering*, 23(5): 1, September/October 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ICSq**

[Ano21-52] Anonymous. IEEE Computer Society. *Computing in Science and Engineering*, 23(6): 1, November/December 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ICSc**

[Ano21-53] Anonymous. IEEE Computer Society: Call for papers. *Computing in Science and Engineering*, 23(1): 82, January/February 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ICSe**

[Ano21-54] Anonymous. IEEE Computer Society: Call for papers. *Computing in Science and Engineering*, 23(2):1, March/April 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ICSh**

[Ano21-55] Anonymous. IEEE Computer Society: Call for papers. *Computing in Science and Engineering*, 23(3):1, May/June 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ICSi**

[Ano21-56] Anonymous. IEEE Computer Society: Call for papers. *Computing in Science and Engineering*, 23(3):108, May/June 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ICSl**

[Ano21-57] Anonymous. IEEE Computer Society: Call for papers. *Computing in Science and Engineering*, 23(4): 90, July/August 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ICSr**

[Ano21-58] Anonymous. IEEE Computer Society: Call for papers. *Computing in Science and Engineering*, 23(6):57, November/December 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ICSd**

[Ano21-59] Anonymous. IEEE Computer Society has you covered! *Computing in Science and Engineering*, 23(1): C4, January/February 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ICSg**

[Ano21-60] Anonymous. IEEE Computer Society has you covered! *Computing in Science and Engineering*, 23(2): C4, March/April 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ICSj**

[Ano21-61] Anonymous. IEEE Computer Society has you covered! *Computing in Science and Engineering*, 23(3): C4, May/June 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ICSm**

[Ano21-62] Anonymous. IEEE Computer Society has you covered! *Computing in Science and Engineering*, 23(4): C4, July/August 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ICSo**

[Ano21-63] Anonymous. IEEE Computer Society has you covered! *Computing in Science and Engineering*, 23(5): 61, September/October 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ICSb**

[Ano21-64] Anonymous. IEEE Computer Society Jobs Board. *Computing in Science and Engineering*, 23(1):46, January/February 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ICSf**

[Ano21-65] Anonymous. IEEE Computer Society Jobs Board. *Computing in Science and Engineering*, 23(2):64, March/April 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:ICSp**

[Ano21-66] Anonymous. IEEE Computer Society Jobs Board. *Computing in Science and Engineering*, 23(5):C4, September/October 2021. CODEN CSENFA. ISSN 1521-

9615 (print), 1558-366X (electronic).

**Anonymous:2021:ICSs**

[Ano21-67] Anonymous. IEEE Computer Society Jobs Board. *Computing in Science and Engineering*, 23(6):C4, November/December 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:Ma**

[Ano21-68] Anonymous. Masthead. *Computing in Science and Engineering*, 23(1):2, January/February 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:Mb**

[Ano21-69] Anonymous. Masthead. *Computing in Science and Engineering*, 23(2):2, March/April 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:Mc**

[Ano21-70] Anonymous. [masthead]. *Computing in Science and Engineering*, 23(3):2, May/June 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:Md**

[Ano21-71] Anonymous. Masthead. *Computing in Science and Engineering*, 23(4):2, July/August 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:Me**

[Ano21-72] Anonymous. Masthead. *Computing in Science and Engineering*, 23(5):2, September/October 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:Mf**

[Ano21-73] Anonymous. Masthead. *Computing in Science and Engineering*, 23(6):2, November/December 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:RMS**

[Ano21-74] Anonymous. Richard E. Merwin student scholarship. *Computing in Science and Engineering*, 23(4):68, July/August 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:TCa**

[Ano21-75] Anonymous. Table of contents. *Computing in Science and Engineering*, 23(1):3–4, January/February 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:TCb**

[Ano21-76] Anonymous. Table of contents. *Computing in Sci-*

*ence and Engineering*, 23(2): 3–4, March/April 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:TCc**

[Ano21-77] Anonymous. Table of contents. *Computing in Science and Engineering*, 23(3): 3–4, May/June 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:TCd**

[Ano21-78] Anonymous. Table of contents. *Computing in Science and Engineering*, 23(4): 3–4, July/August 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:TCe**

[Ano21-79] Anonymous. Table of contents. *Computing in Science and Engineering*, 23 (5):3–4, September/October 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2021:TCf**

[Ano21-80] Anonymous. Table of contents. *Computing in Science and Engineering*, 23 (6):3–4, November/December 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICA**

[Ano22a] Anonymous. 2023 IEEE Conference on Artificial Intelligence. *Computing in Science and Engineering*, 24 (6):C2, November/December 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICC**

[Ano22b] Anonymous. 2023 IEEE CS Charles Babbage Award. *Computing in Science and Engineering*, 24(1):87, January/February 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:AWC**

[Ano22c] Anonymous. AI's 10 to watch: Call for nominations. *Computing in Science and Engineering*, 24(1):88, January/February 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:CEa**

[Ano22d] Anonymous. *Computing Edge. Computing in Science and Engineering*, 24(5):C4, September/October 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:CEb**

[Ano22e] Anonymous. *Computing Edge. Computing in Science and En-*

*gineering*, 24(6):C4, November/December 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:CSE**

[Ano22f] Anonymous. *Computing in Science & Engineering* publication information. *Computing in Science and Engineering*, 24(3):1, May/June 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:Ca**

[Ano22g] Anonymous. *ComputingEdge. Computing in Science and Engineering*, 24(1):C2, January/February 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:Cb**

[Ano22h] Anonymous. *ComputingEdge. Computing in Science and Engineering*, 24(2):C2, March/April 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:IAHa**

[Ano22i] Anonymous. *IEEE Annals of the History of Computing. Computing in Science and Engineering*, 24(1):7, January/February 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:IAHb**

[Ano22j] Anonymous. *IEEE Annals of the History of Computing. Computing in Science and Engineering*, 24(2):30, March/April 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICGa**

[Ano22k] Anonymous. *IEEE Computer Graphics and Applications. Computing in Science and Engineering*, 24(1):45, January/February 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICGb**

[Ano22l] Anonymous. *IEEE Computer Graphics and Applications. Computing in Science and Engineering*, 24(2):61, March/April 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICGc**

[Ano22m] Anonymous. *IEEE Computer Graphics and Applications. Computing in Science and Engineering*, 24(3):85, May/June 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICGd**

[Ano22n] Anonymous. *IEEE Computer Graphics and Applica-*

*tions. Computing in Science and Engineering*, 24(4): 64, July/August 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ISPa**

[Ano22o] Anonymous. *IEEE Security & Privacy. Computing in Science and Engineering*, 24(1): 77, January/February 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ISPb**

[Ano22p] Anonymous. *IEEE Security & Privacy. Computing in Science and Engineering*, 24(2): 94, March/April 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ITBa**

[Ano22q] Anonymous. *IEEE Transactions on Big Data. Computing in Science and Engineering*, 24(1):55, January/February 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ITSa**

[Ano22r] Anonymous. *IEEE Transactions on Sustainable Computing. Computing in Science and Engineering*, 24(1):25, January/February 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ITSb**

[Ano22s] Anonymous. *IEEE Transactions on Sustainable Computing. Computing in Science and Engineering*, 24(3):76, May/June 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ITSc**

[Ano22t] Anonymous. *IEEE Transactions on Sustainable Computing. Computing in Science and Engineering*, 24(4): 53, July/August 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:IPCa**

[Ano22u] Anonymous. *IT Professional*: Call for articles. *Computing in Science and Engineering*, 24(1):13, January/February 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:CAI**

[Ano22v] Anonymous. Call for articles: *IEEE Pervasive Computing. Computing in Science and Engineering*, 24(2): 6, March/April 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:CPIc**

[Ano22w] Anonymous. Call for papers: 2023 IEEE Conference on Artificial Intelligence. *Com-*

*puting in Science and Engineering*, 24(5):C2, September/October 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:CPIa**

[Ano22x] Anonymous. Call for papers: IEEE Computer Society. *Computing in Science and Engineering*, 24(3):24, May/June 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:CPIb**

[Ano22y] Anonymous. Call for papers: IEEE Computer Society. *Computing in Science and Engineering*, 24(4):11, July/August 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:CPId**

[Ano22z] Anonymous. Call for papers: IEEE quantum week. *Computing in Science and Engineering*, 24(5):32, September/October 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:CSI**

[Ano22-27] Anonymous. Computer Society information. *Computing in Science and Engineering*, 24(5):64, September/October 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:FCa**

[Ano22-28] Anonymous. [front cover]. *Computing in Science and Engineering*, 24(1):C1, January/February 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:FCb**

[Ano22-29] Anonymous. Front cover. *Computing in Science and Engineering*, 24(2):C1, March/April 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:FCc**

[Ano22-30] Anonymous. Front cover. *Computing in Science and Engineering*, 24(3):C1, May/June 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:FCd**

[Ano22-31] Anonymous. Front cover. *Computing in Science and Engineering*, 24(4):C1, July/August 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:FCe**

[Ano22-32] Anonymous. Front cover. *Computing in Science and Engineering*, 24(5):C1, September/October 2022. CODEN CSENFA. ISSN 1521-

9615 (print), 1558-366X (electronic).

**Anonymous:2022:FCf**

[Ano22-33] Anonymous. Front cover. *Computing in Science and Engineering*, 24(6):C1, November/December 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:GPNa**

[Ano22-34] Anonymous. Get published in the new *IEEE Open Journal of the Computer Society. Computing in Science and Engineering*, 24(1):C3, January/February 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:GPNb**

[Ano22-35] Anonymous. Get published in the new *IEEE Open Journal of the Computer Society. Computing in Science and Engineering*, 24(2):C3, March/April 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:GPNc**

[Ano22-36] Anonymous. Get published in the new *IEEE Open Journal of the Computer Society. Computing in Science and Engineering*, 24(3):C3, May/June 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:GPNd**

[Ano22-37] Anonymous. Get published in the new *IEEE Open Journal of the Computer Society. Computing in Science and Engineering*, 24(4):54, July/August 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:GPNe**

[Ano22-38] Anonymous. Get published in the new *IEEE Open Journal of the Computer Society. Computing in Science and Engineering*, 24(5):C3, September/October 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICSa**

[Ano22-39] Anonymous. IEEE Computer Society. *Computing in Science and Engineering*, 24(1):4, January/February 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICSg**

[Ano22-40] Anonymous. IEEE Computer Society. *Computing in Science and Engineering*, 24(2):73, March/April 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICSe**

[Ano22-41] Anonymous. IEEE Computer Society: Call for pa-

pers. *Computing in Science and Engineering*, 24(2): 18, March/April 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICSr**

[Ano22-42] Anonymous. IEEE Computer Society call for papers. *Computing in Science and Engineering*, 24(6):5, November/December 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICSu**

[Ano22-43] Anonymous. IEEE Computer Society career center. *Computing in Science and Engineering*, 24(6):C3, November/December 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICSb**

[Ano22-44] Anonymous. IEEE Computer Society D&I Fund. *Computing in Science and Engineering*, 24(1):56, January/February 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICSf**

[Ano22-45] Anonymous. IEEE Computer Society D&I Fund. *Computing in Science and Engineering*, 24(2):62, March/April 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICSi**

[Ano22-46] Anonymous. IEEE Computer Society D&I Fund. *Computing in Science and Engineering*, 24 (3):51, May/June 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICSp**

[Ano22-47] Anonymous. IEEE Computer Society D&I Fund. *Computing in Science and Engineering*, 24(4):C4, July/August 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICSc**

[Ano22-48] Anonymous. IEEE Computer Society has you covered! *Computing in Science and Engineering*, 24(1): 71, January/February 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICSl**

[Ano22-49] Anonymous. IEEE Computer Society has you covered! *Computing in Science and Engineering*, 24(4): C2, July/August 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICSq**

[Ano22-50] Anonymous. IEEE Computer Society has you covered! *Computing in Science and Engineering*, 24(5): 31, September/October 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICSt**

[Ano22-51] Anonymous. IEEE Computer Society has you covered! *Computing in Science and Engineering*, 24(6):43, November/December 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICSj**

[Ano22-52] Anonymous. IEEE Computer Society information. *Computing in Science and Engineering*, 24(3):71, May/June 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICSm**

[Ano22-53] Anonymous. IEEE Computer Society information. *Computing in Science and Engineering*, 24(4):23, July/August 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICSs**

[Ano22-54] Anonymous. IEEE Computer Society information. *Computing in Science and Engineering*, 24(6):28, November/December 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICSd**

[Ano22-55] Anonymous. IEEE Computer Society Jobs Board. *Computing in Science and Engineering*, 24(1):C4, January/February 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICSh**

[Ano22-56] Anonymous. IEEE Computer Society Jobs Board. *Computing in Science and Engineering*, 24(2):C4, March/April 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICSk**

[Ano22-57] Anonymous. IEEE Computer Society Jobs Board. *Computing in Science and Engineering*, 24(3):C4, May/June 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICSo**

[Ano22-58] Anonymous. IEEE Computer Society Jobs Board. *Computing in Science and Engineering*, 24(4):C3, July/August 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:ICSn**

[Ano22-59] Anonymous. IEEE Computer Society: Publications seek 2024 Editors in Chief. *Computing in Science and Engineering*, 24(4): 76, July/August 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:IQW**

[Ano22-60] Anonymous. IEEE Quantum Week. *Computing in Science and Engineering*, 24(3): C2, May/June 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:Ma**

[Ano22-61] Anonymous. Masthead. *Computing in Science and Engineering*, 24(1):3, January/February 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:Mb**

[Ano22-62] Anonymous. Masthead. *Computing in Science and Engineering*, 24(2):1, March/April 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:Mc**

[Ano22-63] Anonymous. Masthead. *Computing in Science and Engineering*, 24(4):3, July/August 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:Md**

[Ano22-64] Anonymous. Masthead. *Computing in Science and Engineering*, 24(5):3, September/October 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:Me**

[Ano22-65] Anonymous. Masthead. *Computing in Science and Engineering*, 24(6):3, November/December 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:RCSa**

[Ano22-66] Anonymous. Over the rainbow: 21st Century security & privacy podcast. *Computing in Science and Engineering*, 24(2):90, March/April 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:RCSb**

[Ano22-67] Anonymous. Over the rainbow: 21st century security & privacy podcast. *Computing in Science and Engineering*, 24(6):37, November/December 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:PSE**

[Ano22-68] Anonymous. Publications seek 2023 Editors in Chief. *Computing in Science and Engineering*, 24(1):86, January/February 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:TCa**

[Ano22-69] Anonymous. Table of contents. *Computing in Science and Engineering*, 24(1):1–2, January/February 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:TCb**

[Ano22-70] Anonymous. Table of contents. *Computing in Science and Engineering*, 24(2): 2–3, March/April 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:TCc**

[Ano22-71] Anonymous. Table of contents. *Computing in Science and Engineering*, 24(3): 2–3, May/June 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:TCd**

[Ano22-72] Anonymous. Table of contents. *Computing in Science and Engineering*, 24(4): 1–2, July/August 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:TCe**

[Ano22-73] Anonymous. Table of contents. *Computing in Science and Engineering*, 24 (5):1–2, September/October 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:TCf**

[Ano22-74] Anonymous. Table of contents. *Computing in Science and Engineering*, 24 (6):1–2, November/December 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2022:WHS**

[Ano22-75] Anonymous. Watts S. Humphrey Software Quality Award. *Computing in Science and Engineering*, 24 (6):76, November/December 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2023:CEa**

[Ano23a] Anonymous. *Computing Edge*. *Computing in Science and Engineering*, 25(1):C4, January/February 2023. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2023:CEb**

[Ano23b] Anonymous. *Computing Edge. Computing in Science and Engineering*, 25(2):C4, February 2023. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2023:CEd**

[Ano23c] Anonymous. *Computing Edge. Computing in Science and Engineering*, 25(5):C4, 2023. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2023:CEe**

[Ano23d] Anonymous. *Computing Edge. Computing in Science and Engineering*, 25(6):C4, November/December 2023. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2023:CSE**

[Ano23e] Anonymous. *Computing in Science & Engineering* publication information. *Computing in Science and Engineering*, 25(6):1, November/December 2023. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2023:IAH**

[Ano23f] Anonymous. *IEEE Annals of the History of Computing. Computing in Science and Engineering*, 25(2): 68, March/April 2023. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2023:ICGa**

[Ano23g] Anonymous. *IEEE Computer Graphics and Applications. Computing in Science and Engineering*, 25(2): 56, March/April 2023. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2023:ICGb**

[Ano23h] Anonymous. *IEEE Computer Graphics and Applications. Computing in Science and Engineering*, 25(3):49, March 2023. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2023:ICE**

[Ano23i] Anonymous. *IEEE Computing Edge. Computing in Science and Engineering*, 25 (3):C4, March 2023. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2023:IPC**

[Ano23j] Anonymous. *IEEE Pervasive Computing. Computing in Science and Engineering*, 25(2): 39, March/April 2023. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).

**Anonymous:2023:ISPa**

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