

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

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Title word cross-reference

+ [Luo12]. 2

[CFA04, Hun07, OMKdSB11, YWC02]. 3

[Ama00, Ano15-38, Ano15-39, BB07,

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[WNZ⁺17]. $A = B$ [BS00a]. D [UZC⁺12]. k

[ALM19]. $\mathbf{B} _ \mathbf{NEW} \Leftarrow B_0 \oplus (B_1 \vee B_2)$

[Sul02b]. N [YB12]. \neq [Sul04c]. QR

[Par00a].

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

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2 [CW05b, FGG⁺22, XDK⁺20]. **20-Bit**

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7 [Sim13].
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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]. **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, Ano23-37, Ano23-38, Ano23-39, Ano20-51, Ano20-52, Ano20-53]. **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, GPMS20, 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, 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, Ano21y, 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, NCM⁺14, Roa04, TBM⁺19]. **Bundle** [Kra03]. **Burning** [HBB08]. **Bus** [SG10]. **Bushing** [Jq19]. **Business** [WY12]. **Butt** [JXY⁺19]. **Buying** [Day11a].

C [JPE20, CNC10, Cot03, 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, WOAEG10, 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, Ano23w, Ano23v, Ano23x, Ano23y, Ano23-41, 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, Ano23o, Ano23z, Ano23-27, Ano23-28, 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, 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]. **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, Ano23z, Ano23-27, Ano23-28, NRG⁺17, NdS17, RF00, Sul99a, MOBD⁺22, WG15]. **Centered** [KPA⁺16, NSP12, SGRK⁺18]. **Centric** [DAKM16]. **Century**

[Ano22-67, Ano23-47, Ano23-48, Ano23-49, 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** [Bac07b, 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, Ano23-50, Cyb99a]. **Chihuahua** [Day10a]. **Chile** [BB20]. **China** [JJZC10, QL19, YLCZ05]. **Chip** [For01]. **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]. **CLiME** [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, 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]. **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, 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** [YEC⁺19, ZL09]. **Comprehensive** [PGF⁺15, Tes15, TBVP⁺21]. **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, Bäck07a, 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, 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].

Computer

[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, Ano22-34, Ano22-35, Ano22-36, Ano22-37, Ano22-38, Ano22k, Ano22l, Ano22m, Ano22n, 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, Ano23t, Ano23d, Ano23e, Ano23-31, Ano23u, Ano23w, Ano23-37, Ano23-29, Ano23v, Ano23-34, Ano23-38, Ano23z, Ano23-30, Ano23-32, Ano23-35, Ano23-39, Ano23x, Ano23-27, Ano23-33, Ano23-36, Ano23y, Ano23-28, Ass00, BCE⁺22, BMP⁺06, BT10b, Boe00, BkCP22, CDL⁺23, CBF⁺22, CF99a, CSS00, Day06c, Day17a, Dec15, FL99, FM02].

Computer [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, Ano23j]. **Computing** [Akl18, AE22, Ale18, Amo18, AMS14, Ano13b, Ano17c, Ano18-41, Ano19x, Ano23l, Ano23m, Ano23n, Ano23f, Bak10, BFF12, Bal15, Bal99, BT17, BKRT21, BPW⁺20, BTL19, Bar21c, BCH⁺09, BMC99, BS99b, BS99a, BS00a, BS00b, BS08, BST⁺06, BCC⁺09, 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, EHGO1, FKS15, FLV⁺09, FM13, For00, FG01, Fox01, Fox02b, Fox03b, Fox03c, Fra02, FPRK16, GHT⁺10, GRS08, GB20, GHK⁺08, Gor05a, Gor06a, Gor07b, Gor07d, Got06]. **Computing** [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, 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, SKC02, SBW⁺19, SRKS22, Sch18].

Computing

[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, 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, Ano23g, Ano23k].

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].

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[DTA21]. **Configuration**

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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, MHD99, Sul99b, Sul00c, Sul00b, Sul00a, BC05a, AM15, Ano04b, Ano22-59, Ano23-50, 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, Bäck07a, 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, MHD99]. **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** [CPdIF⁺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, 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]. **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, 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]. **Engineers** [Bar20b, CHHB13, CENT22a, CENT22b, Cho12, CMK22, GAB⁺²², Guo23, MA11, Tho12, Wri10]. **Engines** [Gor07a, HSP⁺²³, MGCB17, PA12]. **Enhance** [BBN03, BBD⁺¹³, DD23]. **Enhanced** [HEH⁺¹⁰, MSR⁺¹⁶, Tou01, YKD⁺⁰³]. **Enhancement** [YLZ⁺¹⁹]. **Enhancing** [BNNM04, Den16, EPHY18, PK15, PG17]. **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** [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** [Ano23o, 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, GS13a, GS13b, 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** [Ano23o, LPV00]. **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]. **Extremal** [Boe00]. **Extreme** [Che19, Cus14, Dar18, DTL⁺17, LWG19, NWP19, PT14, Sza11, TWE14, VM15, WHW18]. **Extreme-Scale** [VM15]. **Extremes** [TM15]. **Eye** [CT00, KBPW15]. **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]. **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]. **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** [DBCNO3]. **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, Ano23p, Ano23q, Ano23r, Ano23s, 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** [Ano23-30, Ano22-44, Ano22-45, Ano22-46, Ano22-47, Ano23-29]. **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, 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, Ano23t]. **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** [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, Ano23d, Ano23e, 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** [HGA22]. **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** [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, 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** [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, 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, Ano23c, 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, GK22, GDDR16, Har18, Hem10, Hoe10, HMB⁺14, KVP⁺16, KVP⁺17, KFMG20, LGG⁺22, 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, 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]. **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,

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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, 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, Ano23-43, Ano23-44, Ano23-45, Ano23-46].

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** [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, Co014, 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, CPdIF⁺¹²]. **Middle** [Les16, Sca16, Thi02]. **Middleware** [TBM⁺¹⁹]. **Might** [PK18]. **Migrating** [TSKG03]. **Millennium** [ZAF⁺⁰¹]. **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]. **Mining** [FAFX20, GM02, Kar02, KNV03, KJ04, RBK02, TNV⁺⁰²]. **Minor** [GCV08]. **Minority** [HG00]. **Mirrors** [Day16d]. **Misinformation** [Day19a]. **Mission** [Cho05c]. **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, CPdIF⁺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** [CPdIF⁺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]. **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, 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, Tou03, WG15]. **Native** [AAB⁺²¹]. **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]. **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, ZYS⁺19, ZGR⁺17, ZYC⁺19, ZYNH06]. **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, ZYS⁺19, ZYNH06]. **Neurocognitive** [Muz19]. **Neuroimaging** [SL03]. **Neuroinformatics** [MWC⁺16]. **Neuromorph** [Boa17]. **Neuronal** [Seg99]. **Neuroscience** [BFF12]. **Neutrino** [Cho07b]. **Neutron** [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, McM09, NMCM22, Sul02c, Tha14, Thi04, Thi15c, Wil17]. **Next-Generation** [Ged16a, HP15, 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]. **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, ZYNH06, 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, Tof09b, IK05, Tob05]. **Obscure** [Shi00a]. **Observation** [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, GPMS20, 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, Ano23t, 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** [Ano23o, 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]. **Optimizing** [DADY15]. **Option** [GEH⁺99]. **Option-Pricing** [GEH⁺99]. **Options** [Ano17x, Ano17y, Ano17z, Ano17-27, Ano19-28, Ano19-27, Ano20-57, Ano17-28, Ano23o]. **Orbit** [NLV99]. **Order** [ASM⁺14, CPdIF⁺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, Ano23w, Ano23v, Ano23x, Ano23y, Ano13a, Ano14b, Ano14c, Ano15d]. **Parachute** [STB03]. **Paradigm** [AAGH17a, AAGH17b, TX08, ZGR⁺17]. **Paradigms** [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, 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** [Ano23-41, 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, 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** [AE22, Amo18, AMS14, Bak10, BKRT21, Bar21c, BCC⁺09, BS21, BCH⁺22, CDL⁺23, CJTH⁺13, Cou22, DD05, DCWH07, DMA⁺21, DGG⁺21, DSSS05, DMT⁺21, DBB⁺21, 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, 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, Ano23g, 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].

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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** [CPdIF⁺12]. **Radiotherapy** [LSDP⁺04]. **Rafters** [KMM⁺11]. **Railway** [ZZS⁺19]. **Railways** [MGFRL⁺12, RLHGA⁺13]. **Rainbow** [Ano22-66, Ano22-67, Ano23-47, Ano23-48, Ano23-49]. **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, Ano23-42]. **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, 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 [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, Her22, Hil15, Hin13c, How12, HBG⁺20, Hu07, JLN19, 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, 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** [CW06, DG12, PMP21, Sul03e]. **Resume** [Ano19-28, Ano23o]. **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].

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 [Ron14]. **Routines** [Dub00]. **Rs** [Day11b].
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 [Gra08b]. **SambaNova** [EVA⁺21]. **Sampled**
 [HH06]. **Sampling**
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ScalaLab [PTML11]. **Scale**
 [ASLK22, Ama00, BBM⁺15, BP99, CS14,
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 Jon15, KMSH10, LWF10, LCY⁺04, Ma16,
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 TB11, TWE14, TAM⁺14, VKN99, VM15,
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 [Gyu99, Kus06a]. **Scaling** [GS03, Run03].
Scarce [RBK02]. **SCC** [GHKR11].
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Scenarios
 [FGG⁺22, PQQ20, UGV11, WCHRM21].

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 [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,
 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, 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, MM12, Mas06, MMTD⁺17].
Science
 [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,
 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, 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, Gob05, GAB⁺22, GP15, GRE99, GNB⁺09, HLRW17, HC99, HHZK01b, HHZK01a, Her21, HCK22, Hig04, Hin13a, Hin13b, Hin15a, Hin17b, Hin18c, HXMC05, IKMK13, JLN19, JPE20, JPK01, JRD⁺13, KC19, KRR⁺12, Kar99, KSB07, Kin12, KBLD08, LDAS19, LVWK02, Lan19, LFK⁺19, LSBC22, LSN20, LSPN21, LPV00, LGG⁺22, MWE08, MBH14, NGS22, Oli07, PTML09, PTML11, PSSP15, PG07, PGH11, PF04, Pos13, RV11, RVG⁺10, RPBE12, RPEB14]. **Scientific** [RR21, SNCM16, Sch01, SDS00, Sch23a, Sch18, SKC00, SES⁺11, SL99, SHPL12, Sma12, SdPV21, SSW21, SB00, Sto09, SLM12, Sto12, SJF⁺23, Sza11, TWE14, TAF⁺18, TFF05, Ter11, TTT15, Thi07, Toh07, TCD⁺14, VB08, VSMD⁺09, VMK20, Wan18, WG15, WD06, Wes21, 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]. **Sciety** [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, Ano23h, Ano23i, Ano23-47, Ano23-48, Ano23-49, PLW17, Ano21w]. **Security&Privacy** [Ano14-30]. **See** [Bil00, NO03, Sul03a]. **Seeing** [Bro06, Gor08c]. **Seek** [Ano22-59, Ano22-68, Ano23-50]. **Seemingly** [Has12]. **Seems** [Yas17b]. **Segmentation** [GMPR11, PL07, WNZ⁺17]. **Seismic** [AMKL04, CL14, HH06]. **Seismology** [TB11]. **Seizure** [SSG16]. **Selection** [CPdIF⁺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, Ano23-37, Ano23-38, Ano23-39, 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, TAH23]. **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, CPdIF⁺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]. **Skuncoil** [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, Ano23-29, 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, Ano20-40, Ano20-48, Ano20-41, Ano20-49, Ano20-44].
Society [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, Ano23-31, Ano23u, Ano23w, Ano23-37, Ano23v, Ano23-34, Ano23-38, Ano23z, Ano23-30, Ano23-32, Ano23-35, Ano23-39, Ano23x, Ano23-27, Ano23-33, Ano23-36, Ano23y, Ano23-28, Ano20-33, Ano20-34, Ano20-35, Ano21-42, Ano21-43, Ano21-44, Ano21-45, Ano22-34, Ano22-35, Ano22-36, Ano22-37, Ano22-38, Ano23t]. **Sociophysics** [Sta03].
Socket [SG10]. **Soetaert** [Lud13]. **Soft** [Day11d, Zhu02]. **Soft-Devices** [Zhu02].
Software [ARAG19, ABC⁺14, ACG⁺20, Ano14y, Ano14-49, Ano15b, Ano20-36, Ano21-48, Ano22-75, ACF18, 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, GAB⁺22, Gor06b, Gor08c, Gra08b, Gro09, Guo12, HAB17, HLS⁺16, HHP19, HCK22, Her22, 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, MBH14, MWC⁺16, MHDm99, MBB⁺09, MMR22, O'L06a, PSSP15, Peo20, PAN⁺16b, PK18, PBD⁺11, PMW20, RBC⁺19, Reb99, Sch23a, SRKS22, STWK15].
Software [Shi02b, SAK⁺13, SZM⁺13, SHPL12, SSW21, STH22, SGRK⁺18, TTT15, Tho12, TJCC20, WDC18, 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, Par12, Sin18, WCHRM21]. **Space-Based** [WCHRM21]. **Space-Time** [AAB⁺13, Ano18j, Sin18]. **Spaced** [LM07a]. **Spaces** [DAEJ18, JS99]. **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]. **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]. **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, 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, RBC⁺19].
Sustainable [Ano16-30, Ano18-28, Ano20m,

Ano20k, Ano20l, Ano21s, Ano21t, Ano21u, Ano22r, Ano22s, Ano22t, Ano23k, 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** [AMKL04, BKRT21, BFS04, Che10, CJTH⁺13, DMA⁺21, FAFX20, FGRS17, 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, Ano23-51, Ano23-52, Ano23-53, Ano23-54, 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]. **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]. **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, ZS⁺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]. **Thousand** [Sku04]. **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, YHWHY05, 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, Ano23-42, Bar21b, Bei12a, FM02, HG02, Ano23o]. **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, 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, 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, Ano23j, Ano23k, 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** [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** [DBCNO3]. **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.** [HP20, 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, WOEAG10, 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, Ano23o]. **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]. **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, Vir16, Vla12, Vor01b, WCHRM21, WLCJ12, WPM⁺12, WCAL14, WNZ⁺17, WD06, WOEAG10, WT12, WWJH20, WB03, XHL⁺13, XXK⁺02, YCKK03, YWMM04, Zak18, Zei17, ZZPC06, ZL09, SOV⁺13]. **Utility** [Cho06e]. **UV** [SPW⁺13]. **UV-CDAT** [SPW⁺13]. **V** [Azo06, Don06a, Tou02a]. **Vacation** [TL08a]. **Vaccines** [WZS⁺10]. **Vale** [Cho08a]. **Validatable** [Roa04]. **Validating** [Ben04, CDF⁺04, HLS⁺16, Pie04]. **Validation** [KVP⁺17, Ste02, TP04]. **valuable** [O'L05a]. **Value** [Nob00a]. **Vaníček** [Ome06, Cor07]. **Variability** [MRHP23, ZB04]. **Variable** [O'L12, Rus03]. **Variable-Geometry** [O'L12]. **Variations** [GLS07]. **Varying** [DLLZ19, DLLZ20, DTA21, Ma03, TDT⁺22]. **Vaults** [IKMK13]. **Vector** [ALM19, DSK15]. **Vegetation** [EKLY07]. **Vehicle** [AMKL04, DLW⁺19, LGW⁺17, SSCN11, ZS⁺19, ZLTX19]. **Vehicle/Bridge** [DLW⁺19]. **Vehicles** [MSB⁺14, PAN⁺16b]. **Vehicular** [CSS00, YAA⁺00]. **Velo** [GSB⁺12]. **Velocity** [HLYQ19]. **Ventilator** [KKO⁺20]. **Verifiable** [DG12, Roa04]. **Verification** [KVP⁺17, KNKP14, TP04]. **Verify** [Sul02e]. **Versatile** [Aya07, Shi01b].

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- Anonymous:2020:CEb**
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- Anonymous:2020:Cd**
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- Anonymous:2020:Ce**
Anonymous. *Computing Edge. Computing in Science and Engineering*, 22(6):C4, November/December 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).
- Anonymous:2020:ICG**
Anonymous. *IEEE Computer Graphics and Applications. Computing in Science and Engineering*, 22(6):59, November/December 2020. CO-

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Anonymous:2020:IPC

[Ano20g]

Anonymous. *IEEE Pervasive Computing. Computing in Science and Engineering*, 22(4): 25, July/August 2020. CODEN CSENF. ISSN 1521-9615 (print), 1558-366X (electronic).

Anonymous:2020:ISPa

[Ano20h]

Anonymous. *IEEE Security & Privacy. Computing in Science and Engineering*, 22(3): 119, May/June 2020. CODEN CSENF. ISSN 1521-9615 (print), 1558-366X (electronic).

Anonymous:2020:ISPb

[Ano20i]

Anonymous. *IEEE Security & Privacy. Computing in Science and Engineering*, 22(6):20, November/December 2020. CODEN CSENF. ISSN 1521-9615 (print), 1558-366X (electronic).

Anonymous:2020:ITB

[Ano20j]

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Anonymous:2020:ITSa

[Ano20k]

Anonymous. *IEEE Transactions on Sustainable Comput-*

ing. Computing in Science and Engineering, 22(3):39, May/June 2020. CODEN CSENF. ISSN 1521-9615 (print), 1558-366X (electronic).

Anonymous:2020:ITSb

[Ano20l]

Anonymous. *IEEE Transactions on Sustainable Computing. Computing in Science and Engineering*, 22(4): 60, July/August 2020. CODEN CSENF. ISSN 1521-9615 (print), 1558-366X (electronic).

Anonymous:2020:ITS

[Ano20m]

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Anonymous:2020:CMA

[Ano20n]

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Anonymous:2020:CAb

[Ano20o]

Anonymous. Call for articles. *Computing in Science and Engineering*, 22(4): 109, July/August 2020. CODEN CSENF. ISSN 1521-9615 (print), 1558-366X (electronic).

- [Ano20p] **Anonymous:2020:CAc**
 Anonymous. Call for articles. *Computing in Science and Engineering*, 22(5):94, September/October 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano20q] **Anonymous:2020:CAIa**
 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).
- [Ano20r] **Anonymous:2020:CAIb**
 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).
- [Ano20s] **Anonymous:2020:CN**
 Anonymous. Call for nominations. *Computing in Science and Engineering*, 22(3):51, May/June 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano20t] **Anonymous:2020:CP**
 Anonymous. Call for papers. *Computing in Science and Engineering*, 22(3):63, May/June 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano20u] **Anonymous:2020:CPIa**
 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).
- [Ano20v] **Anonymous:2020:CPIb**
 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).
- [Ano20w] **Anonymous:2020:CAa**
 Anonymous. CGA ad. *Computing in Science and Engineering*, 22(2):87, March/April 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano20x] **Anonymous:2020:Cb**
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- [Ano20y] **Anonymous:2020:Cc** Anonymous. COMPSAC 2020. *Computing in Science and Engineering*, 22(2):C2, March/April 2020. CODEN CSENF. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano20z] **Anonymous:2020:CGAb** Anonymous. Computer graphics and applications. *Computing in Science and Engineering*, 22(5):71, September/October 2020. CODEN CSENF. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano20-27] **Anonymous:2020:FCa** Anonymous. [front cover]. *Computing in Science and Engineering*, 22(1):C1, January/February 2020. CODEN CSENF. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano20-28] **Anonymous:2020:FCb** Anonymous. Front cover. *Computing in Science and Engineering*, 22(2):C1, March/April 2020. CODEN CSENF. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano20-29] **Anonymous:2020:FCc** Anonymous. Front cover. *Computing in Science and Engineering*, 22(3):C1, May/June 2020. CODEN CSENF. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano20-30] **Anonymous:2020:FCd** Anonymous. Front cover. *Computing in Science and Engineering*, 22(4):C1, July/August 2020. CODEN CSENF. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano20-31] **Anonymous:2020:FCe** Anonymous. Front cover. *Computing in Science and Engineering*, 22(5):C1, September/October 2020. CODEN CSENF. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano20-32] **Anonymous:2020:FC** Anonymous. Front cover. *Computing in Science and Engineering*, 22(6):C1, November/December 2020. CODEN CSENF. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano20-33] **Anonymous:2020:GPNa** Anonymous. Get published in the new *IEEE Open Journal of the Computer Society*. *Computing in Science and Engineering*, 22(3):C4, May/June 2020. CODEN CSENF. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano20-34] **Anonymous:2020:GPNb** 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

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Anonymous:2020:ICSb

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

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Anonymous:2020:ICSf

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Anonymous:2020:ICSf

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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:ICSi

- [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):

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Anonymous:2020:ICSk

[Ano20-44]

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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

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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]

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Anonymous:2020:ICSg

[Ano20-48]

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Anonymous:2020:ICSj

[Ano20-49]

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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]

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- [Ano20-52] **Anonymous:2020:ICSh**
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- [Ano20-53] **Anonymous:2020:ICSo**
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- [Ano20-54] **Anonymous:2020:IIC**
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- [Ano20-55] **Anonymous:2020:IQWb**
 Anonymous. IEEE Quantum Week. *Computing in Science and Engineering*, 22(5):C4, September/October 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano20-56] **Anonymous:2020:IQWa**
 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).
- [Ano20-57] **Anonymous:2020:KYC**
 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).
- [Ano20-58] **Anonymous:2020:Ma**
 Anonymous. Masthead. *Computing in Science and Engineering*, 22(1):1, January/February 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano20-59] **Anonymous:2020:Mb**
 Anonymous. Masthead. *Computing in Science and Engineering*, 22(2):1, March/April 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano20-60] **Anonymous:2020:Mc**
 Anonymous. Masthead. *Computing in Science and Engineering*, 22(3):1, May/June 2020. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano20-61] **Anonymous:2020:Md**
 Anonymous. Masthead. *Computing in Science and Engineering*, 22(4):1, July/August

2020. CODEN CSENF. 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 CSENF. ISSN 1521-9615 (print), 1558-366X (electronic).

Anonymous:2020:M

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Anonymous:2020:SC

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

Anonymous:2020:TCa

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Anonymous:2020:TCb

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Anonymous:2020:TCc

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Anonymous:2020:TCd

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Anonymous:2020:TCe

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

Anonymous:2020:TC

[Ano20-70] Anonymous. Table of contents. *Computing in Science and Engineering*, 22(6):2-3, November/December 2020. CODEN CSENF. ISSN 1521-9615 (print), 1558-366X (electronic).

Anonymous:2020:TYO

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

Anonymous:2020:TTT

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Anonymous:2021:CGAa

- [Ano21a] Anonymous. *Computer Graphics and Applications. Computing in Science and Engineering*, 23(1):74, January/February 2021. CODEN CSENF. ISSN 1521-9615 (print), 1558-366X (electronic).

Anonymous:2021:CGAb

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

Anonymous:2021:Ca

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Engineering, 23(1):C2, January/February 2021. CODEN CSENF. 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 CSENF. 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 CSENF. 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 CSENF. ISSN 1521-9615 (print), 1558-366X (electronic).

Anonymous:2021:Cf

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Anonymous:2021:Cg

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- [Ano21i] **Anonymous:2021:IAHa**
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- [Ano21j] **Anonymous:2021:IAHb**
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).
- [Ano21k] **Anonymous:2021:IAHc**
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).
- [Ano21l] **Anonymous:2021:ICG**
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).
- [Ano21m] **Anonymous:2021:ITBa**
Anonymous. *IEEE Transactions on Big Data. Computing in Science and Engineering*, 23(1):101, January/February 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano21n] **Anonymous:2021:ITBb**
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).
- [Ano21o] **Anonymous:2021:ITBc**
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).
- [Ano21p] **Anonymous:2021:ITBd**
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).
- [Ano21q] **Anonymous:2021:ITBe**
Anonymous. *IEEE Transactions on Big Data. Computing in Science and En-*

gineering, 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. *Com-*

- puting in Science and Engineering*, 23(5):72, September/October 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano21-27] **Anonymous:2021:CAa**
Anonymous. Call for articles. *Computing in Science and Engineering*, 23(1):34, January/February 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano21-28] **Anonymous:2021:CAb**
Anonymous. Call for articles. *Computing in Science and Engineering*, 23(5):9, September/October 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano21-29] **Anonymous:2021:CAIa**
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).
- [Ano21-30] **Anonymous:2021:CAIb**
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).
- [Ano21-31] **Anonymous:2021:CAIc**
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).
- [Ano21-32] **Anonymous:2021:CPIa**
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).
- [Ano21-33] **Anonymous:2021:CPIb**
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).
- [Ano21-34] **Anonymous:2021:FCa**
Anonymous. Front cover. *Computing in Science and Engineering*, 23(1):C1, January/February 2021. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano21-35] **Anonymous:2021:FCb**
Anonymous. Front cover. *Computing in Science and Engineering*, 23(2):C1, March/

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Anonymous:2021:FCc

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

Anonymous:2021:FCf

[Ano21-39] Anonymous. [front cover]. *Computing in Science and Engineering*, 23(6):C1, November/December 2021. CODEN CSENF. ISSN 1521-9615 (print), 1558-366X (electronic).

Anonymous:2021:GPNd

[Ano21-40] Anonymous. Get published in the new *IEEE Open Journal of the Computer*

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Anonymous:2021:GPNe

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

Anonymous:2021:GPNc

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Anonymous:2021:GPNf

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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

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Anonymous:2021:HDMb

[Ano21-48] Anonymous. Harlan D. Mills Award: Call for software engineering award nominations. *Computing in Science and Engineering*, 23(4):

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Anonymous:2021:ICSa

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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).

- [Ano21-53] **Anonymous:2021:ICSc**
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- [Ano21-54] **Anonymous:2021:ICSe**
 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).
- [Ano21-55] **Anonymous:2021:ICSh**
 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).
- [Ano21-56] **Anonymous:2021:ICSi**
 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).
- [Ano21-57] **Anonymous:2021:ICSI**
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- [Ano21-58] **Anonymous:2021:ICSr**
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- [Ano21-59] **Anonymous:2021:ICSd**
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- [Ano21-60] **Anonymous:2021:ICSg**
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- [Ano21-61] **Anonymous:2021:ICSj**
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9615 (print), 1558-366X (electronic).

Anonymous:2021:ICSm

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Anonymous:2021:ICS0

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Anonymous:2021:ICSb

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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).

[Ano21-66]

Anonymous:2021:ICSp

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]

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Anonymous:2021:Ma

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Anonymous:2021:Mb

[Ano21-69]

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Anonymous:2021:Mc

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Anonymous:2021:Md

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Anonymous:2021:Me

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Anonymous:2021:Mf

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Anonymous:2021:RMS

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Anonymous:2021:TCa

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Anonymous:2021:TCb

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Anonymous:2021:TCc

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Anonymous:2021:TCd

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Anonymous:2021:TCe

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- [Ano22d] **Anonymous:2022:CEa**
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- [Ano22e] **Anonymous:2022:CEb**
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- [Ano22f] **Anonymous:2022:CSE**
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- [Ano22g] **Anonymous:2022:Ca**
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- [Ano22h] **Anonymous:2022:Cb**
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- [Ano22i] **Anonymous:2022:IAHa**
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 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).
- [Ano22l] **Anonymous:2022:ICGb**
 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).
- [Ano22m] **Anonymous:2022:ICGc**
 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).
- [Ano22n] **Anonymous:2022:ICGd**
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- [Ano22o] **Anonymous:2022:ISPa**
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- [Ano22p] **Anonymous:2022:ISPB**
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- [Ano22q] **Anonymous:2022:ITBa**
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- [Ano22u] **Anonymous:2022:IPCa**
 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).
- [Ano22v] **Anonymous:2022:CAI**
 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).
- [Ano22w] **Anonymous:2022:CPIc**
 Anonymous. Call for papers: 2023 IEEE Conference on Artificial Intelligence. *Computing in Science and Engineering*, 24(5):C2, September/October 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano22x] **Anonymous:2022:CPIa**
 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).
- [Ano22y] **Anonymous:2022:CPIb**
 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).
- [Ano22z] **Anonymous:2022:CPId**
 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

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Anonymous:2022:FCa

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Anonymous:2022:FCb

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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

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Anonymous:2022:FCe

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Anonymous:2022:FCf

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- [Ano22-36] **Anonymous:2022:GPNc**
 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).
- [Ano22-37] **Anonymous:2022:GPNd**
 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).
- [Ano22-38] **Anonymous:2022:GPNe**
 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).
- [Ano22-39] **Anonymous:2022:ICSA**
 Anonymous. IEEE Computer Society. *Computing in Science and Engineering*, 24(1):4, January/February 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano22-40] **Anonymous:2022:ICSG**
 Anonymous. IEEE Computer Society. *Computing in Science and Engineering*, 24(2):73, March/April 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).
- [Ano22-41] **Anonymous:2022:ICSe**
 Anonymous. IEEE Computer Society: Call for papers. *Computing in Science and Engineering*, 24(2):18, March/April 2022. CODEN CSENFA. ISSN 1521-9615 (print), 1558-366X (electronic).
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- Anonymous:2022:ICSj**
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- Anonymous:2022:ICSm**
- [Ano22-53] Anonymous. IEEE Computer Society information. *Comput-*

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