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Title word cross-reference

2
[CJ14a, CV12, HYWA09, RSD23b, SMT⁺17].
20 [NPS⁺20]. **3**
[ARLB18, AGD⁺20, BAT⁺22, VRBS16,
BLKM23, BCT⁺13, CKC⁺18, CMK⁺21,
CJ14a, CBK⁺22, CH14, CRKP22, FRB08,
KSB⁺08, KYEB15, KKC17, KWW17,
LKC15, LDK⁺18, LKK⁺22, LDP⁺20,
MRG22, SCL17, SKRX13, TJ13b, TTS22,
TZS14, VOB19, WL22a, XLBB06, XCF08,
XDX14, XPD12, ZJS10, ZMC15, ZCB⁺22]. **4**
[LCSP14]. *K* [VOB19]. *κ* [MP10]. *μ*
[RFDT15]. $\Sigma\Delta$ [GGTG⁺20]. *T*
[YYC07, MPZ21]. $\Theta(\sqrt{n})$ [CV12]. V_{th}
[MP10].

-Analog [CFK22]. **-Bit** [LCSP14]. **-D**
[HYWA09]. **-depth** [CV12]. **-means**
[VOB19]. **-Phase** [SMT⁺17]. **-Qubit**
[NPS⁺20]. **-SNE** [MPZ21]. **-tree** [YYC07].
/high [MP10]. **/high-** [MP10].
1 [LZBW20]. **100GBd** [XLL⁺18]. **10nm**
[GVR17]. **14nm** [TGCJ16]. **19** [KKNM22].
1S1R [BSL⁺18].
2 [ZLWB20]. **2.0** [BLKM23]. **2006** [CS07].
2007 [LC08]. **2008** [Bah09]. **2011**
[AD14, SN10]. **22nm** [TGCJ16].
a-Si [HCTK08]. **ABC** [PPM⁺13].
Abnormality [TW22]. **Abstraction**
[DRL⁺19]. **Accelerate**

[CRSSBMR21, IGGR19]. **Accelerated** [JCK23, KKNM22, ZJT+14]. **Accelerating** [AAO21, CRKP22, DEW+23, ERGK21, LWY22]. **Acceleration** [ASP+18, BRZ21, KMC+22, LZXL22, ORC+24]. **Accelerator** [DCP+21, DK21, DBS+21, GLL+21b, HM21, KPM22, KPPB17, LLX+18a, NAY24, PJSM17, PAP+22, SBZT20, YLR+23, ZBF+22, ZK18]. **Accelerators** [BBB+22, CMZR23, HFLZ22, KAS+22, KKK22, LTO22, LYL19, MEHT21, MMAAK23, WL19, WL22a, XCS+19]. **Accelerators-based** [MEHT21]. **Access** [AIK21, GLMG+15, LBJ+16, RSD23b, AKW+13, CSKM13]. **Access-Transistor-Free** [GLMG+15]. **accessibility** [GN08]. **AccHashtag** [JCK23]. **Accumulation** [BSS16]. **Accumulation-Mode** [BSS16]. **Accuracy** [ACH+17, GKT+18, NPH18, TKBM12, WWZ+22]. **Accurate** [CMJ14, CQZ+21, CLZ+22, ZF15, KTW08]. **Achievable** [KAKSP14]. **achieving** [WWJ09]. **ACM** [BC08, SLCJ22, Shu09, ZLWB20]. **across** [AMVG12, JRLR15]. **Activation** [HLH+12, LQYL19, YMWH21]. **active** [ABS+12, PDLS06]. **Activity** [MKG+23]. **Actuators** [ZF15]. **Adaptation** [LJL18]. **Adapting** [AIK21]. **Adaptive** [GLMG+15, MGK18, KMD12, LCT12]. **ADC** [MSB+22]. **Adder** [BSL+18, ISI+18, MGMU22, MGZ+17, NV14, CV12, TR13]. **Adders** [AHHS21]. **Addition** [CV11]. **Address** [IASK20]. **Addressable** [GG17]. **addressing** [SRD+06]. **Adiabatic** [KT20]. **Advanced** [GHHW19, YWF18]. **Advances** [TSB15]. **Adversarial** [HMP+22, HYPW22, LDZ22, XZL+21]. **AER** [KWG+20]. **AES** [YWF18]. **Against** [DCSA22, PHS+23, GCC+23, GSC17, LDZ22, RSBA23, ZCX+17]. **aggregated** [HMP+22]. **aging** [AMA+14, CNPR14, KCC+14]. **Agnostic** [CTP14]. **AI** [JHPG22, PYSJ22]. **AI-enhanced** [PYSJ22]. **Algorithm** [CRSSBMR21, CEW+13, DBS+21, LCSP14, LFDS22, MPZ21, MCT18, PP21, RDH14, SKB13, VOB19, YL14, BBB+22]. **Algorithms** [CLKG17, CLSD18, CQL21a, CQL21b, MS19, PT14a, SCLW19b, SCLW19a, GMM12, PSM+06]. **alive** [ABS+12]. **All-Optical** [GB18, EDCL+22]. **All-Spin** [MS17, VSRR15, XZR+22]. **Alleviate** [WXW+17]. **Allocation** [KXY16, LKL+18, WWJ09]. **Allocator** [WL22b, YXD+17]. **Allow** [KMS+20]. **alternate** [LBGR08]. **Alternative** [RKM15, TV17]. **ALU** [SDSS14]. **Amplifier** [SFD17]. **Analog** [ASP+18, BY18, BSS16, CHA20, KKK22, MSC+21, RSD+23a, WWZ+22, YLR+23, ZSPC19, CFK22]. **Analog-Trojan-resilient** [RSD+23a]. **Analysis** [AHPC21, ARLB18, AHS22, AHHS21, BBB+16, BWL+21, GRPT13, GG17, GFZ13, GPW+15, HON21, KYEB15, KCWL+16, LTKP16, MLW+23, NLK+13, PYSJ22, RPBA21, RBHG21, WDG+20, WYZ+20, CCTP08, CSKM13, CWT14, DWL10, HCTK08, KSG14, PHS+23, PFOL07, RBGC14, ZFT13]. **Analytic** [VOB19]. **Analytical** [KYEB15, REL+22]. **Analytics** [CRKP22]. **Analyzing** [PAC+22]. **Annotation** [PPM+13]. **Anomaly** [KPFM16]. **Anonymous** [PHS+23]. **ANT** [CLZ+22]. **ANT-UNet** [CLZ+22]. **Anti** [CCW18]. **Anti-Reverse** [CCW18]. **API** [RBG+22]. **Application** [AIK21, DKK+15, DJH+19, FC18, LZX+21, Tah06, WDG+20, AMVG12, XS14]. **Application-driven** [WDG+20]. **Application-independent** [Tah06]. **Application-Level** [LZX+21]. **Application-Specific** [DKK+15, FC18]. **Applications** [ASP+18, BOAC+20, FNO+19, GYM+17, GLL+21b, HVB22, IGGR19, JWJ+17, KPPB17, KHC+22, SJKS20, SLCJ22,

SHAC19, TTS22, MFA⁺¹³, PFOL07].
Approach [BM15, BBB⁺²², BS15, DRSR14, DJ16, JRLR15, LDK⁺¹⁸, SMR23, SMR⁺²¹, ZY18, ZGSA15, CQZK14, RT08, SZSS10].
Approaches [EDZ⁺²³, SMZ⁺¹⁹].
Approximate [AHHS21, GP17, JLL⁺¹⁷, LQYL19, MEHT21, SJKS20, SVA⁺¹⁸, SBT20, TT20].
Approximation [HYPW22]. **Arbitrary** [Mog14]. **Architecting** [KBM21, Mit17].
Architectural [ABM21, Mit16, VO06, WKL16].
Architecture [AMH⁺²⁴, AM18, BYHT18, CRKP22, CNH12, CTT⁺²⁰, DPB11, GLL^{+21a}, GLL^{+21b}, JOF⁺¹⁵, JMKM21, JRJ22, LZXL22, LLX^{+18a}, LZBW20, LDP⁺²⁰, LPM⁺¹⁹, MAC⁺²¹, NLL⁺¹⁷, SGR⁺¹², VK18, VDB⁺¹⁶, VOB19, WX15, YYBK19, ZLB⁺²², ZLWB20, ZK19, dLBHC22, CQZK14, CV12, CA11, MTC⁺⁰⁸, Moh12, PDL06, PDL07, SCI⁺⁰⁹, TWL09, TCSV09, ZJS09a, ZJS10, ZJS09b].
architecture-level [Moh12].
Architectures [ACM⁺²⁰, AMF⁺¹⁵, CMM⁺¹⁸, CDP17, CCWCC15, DJ16, ERGK21, GCO⁺¹¹, GMGA23, GNY⁺²², KK23, LGL15, MSB⁺²², MPZ21, Rez23, RMG15, Shu09, WZL16, YJ18, YP17, BPH⁺¹¹, CDG⁺¹², Deh05, FGZ14, KWFH12, WVG13, XLBB06, ZMT13].
Area [CKC⁺¹⁸, CCH16, KCWL⁺¹⁶, PFRR17, XZR⁺²², RT07]. **Area-efficient** [XZR⁺²²]. **Arithmetic** [JLL⁺¹⁷, PAP⁺²², VMNI08, Gla14, WL22a].
AroMa [CMZR23]. **Array** [KKY⁺²⁰, LZXL22, LYWW13, MZZ23, MTC⁺⁰⁸].
Arrays [BSL⁺¹⁸, CEW⁺¹³, CCH16, HHD⁺²³, WHL⁺²¹, ZJK22, CCTP08, CSKM13].
Artifact [KRP⁺²¹]. **Artificial** [Dea14, KBM21, WLJC21, XYJ⁺²¹].
ASBUS [YWF18]. **ASIE** [KWG⁺²⁰]. **ASL** [ALY⁺²¹]. **Assays** [GCB14]. **assembled** [GRS05]. **Assertions** [WJWM23].
Assessment [RNN⁺²², VOB19].
Assignment [YJ18, SLS⁺¹⁴, ZS08].
Assisted [MPR⁺²²]. **Associated** [GCO⁺¹¹]. **Associative** [CCWCC15, JRJ22, SBR19]. **Assurance** [BWL⁺²¹, GCC⁺²³, HML⁺²³, JDPH⁺²³].
Assurance-An [HML⁺²³]. **assured** [MEHT21]. **Asymmetric** [CJ16, GVRR17, GJ17, GZZ⁺²¹, LPW18].
Asynchronous [GRPT13, GGTG⁺²⁰, KWG⁺²⁰, SM11, VGZ11, VSM19, ZSXY11, CB09].
Asynchrony [SN11]. **Attack** [DDG⁺²², GCTF20, HMP⁺²², LZ⁺²¹, WHB⁺²¹, ZLGL21]. **Attacks** [ABM21, ASK23, BGX⁺²¹, CMZR23, DCSA22, GCC⁺²³, JCK23, JMWJ⁺¹⁷, LYEK22, LTO22, LDZ22, PHS⁺²³, RSBA23].
Audio [HYPW22]. **Audit** [SPS⁺²⁴].
Authentic [TFR23].
Authentic/Counterfeit [TFR23].
Authentication [Bis17, IGR⁺¹⁶, MKMS22, RDS24].
Authorization [ASMK22]. **Autoencoders** [HYPW22]. **Automata** [DPB11, TNWD20, dLBHC22, DWL10].
Automated [DMR06, GCJ17, WJWM23, XHSC07, ZS08].
Automation [WD22, ZCB⁺²², CZ05].
Autonomous [LPB⁺¹⁵]. **Auxiliary** [LDZ22]. **Aware** [GLMG⁺¹⁵, GUP11, MPM13, MKW⁺¹⁴, NPS⁺²⁰, PFRR17, PRG⁺¹⁵, SLCJ22, WX15, DJH⁺¹⁹, DLL⁺¹⁹, LHHZ19, MSCS19, RHB⁺²⁰, RMBC12, SAAR20, STA⁺¹², TMG⁺²¹, YWH⁺¹³].
B [FCR23]. **B-open** [FCR23]. **Back** [NLW⁺²⁰]. **Backpropagation** [DCP⁺²¹].
Backside [DDR^{+16a}]. **ballistic** [HYWA09, PFOL07]. **bar** [KKY⁺²⁰].
Barely [ABS⁺¹²]. **Barnes** [MPZ21]. **Based** [AIK21, BBB⁺¹⁶, BSY⁺¹⁶, BYHT18, CZW⁺¹⁹, DCP⁺²¹, DDP20, DKK⁺¹⁵, DJH⁺¹⁹, FYJ⁺¹⁷, GCO⁺¹¹, GRPT13, GG17,

HFLZ22, HC15, HYPW22, KXY16, KBC⁺23, KHC⁺22, KT20, LTKP16, LPB⁺15, LQYL19, LLX⁺18b, LWY22, MZZ23, MPM13, MSB⁺22, MKSW17, MAC⁺21, NLL⁺17, NPA⁺12, OBLD14, QGW20, RNN⁺22, STSG17, SGR⁺12, SSF⁺15, TZS14, VAK18, VDB⁺16, VSRR15, WX15, WL19, WLJC21, XLL⁺18, YXW⁺12, YLF⁺17, YYPK17, ZJ11, ZCX⁺17, ZY18, ZF15, AMH⁺24, ABR⁺21, ABM21, ASK23, AHS22, BBB⁺22, Bis21, CKA23, CZ05, CHN09, DMR06, Deh05, DBS⁺21, FSD22, GD12, Gla14, GCTF20, HON21, HRR19, HMS⁺05, IBO22, KPM22, KKY⁺20, KKNM22, LYEK22, LJ10, LDK⁺18, LDP⁺20, LTO22, MDS21, MKMS22, MSCS19, MEHT21, MN06, MS20, NLW⁺20, RSBA23, Rez23, RDS24, RCYB22, SZSS10, SAAR20, SPR18, SC06, TCSV09, TR13, VOB19, WWG⁺19, WYZ⁺20, WL22a]. **based** [XYJ⁺21, XZR⁺22, YYBK19, ZLB⁺22, ZCDD19, ZH20, WZSC09]. **Batching** [LML⁺19]. **BCD** [TR13]. **BD** [HYA⁺20]. **BD-Net** [HYA⁺20]. **Be** [ABM21]. **beamed** [KK12]. **Beat** [LTKP16]. **Behavior** [BOAC⁺20, GSC17, SMT21]. **Behaviors** [AIK21]. **Benchmark** [XCS⁺19]. **Benchmarking** [BHLD19]. **Benefit** [CKC⁺18]. **Best** [Bah09]. **between** [LDPPB21, TGCJ16]. **Beyond** [KAB⁺21, KZW⁺15]. **bias** [KCC⁺14]. **Biased** [WL19]. **Big** [MLP⁺20]. **BigBus** [BPS19]. **Binarized** [HYA⁺20, SBR19]. **Binary** [CCWCC15, GCJ17, HM21, LLX⁺18a, NHL⁺17, SBR19, TR13]. **biochemical** [RBGC14]. **Biochips** [BMB18, GCB14, HRR19, LBB⁺18, MPM13, OGB18, CZ05, DJRM09, DDM⁺06, RMBC12, RBGC14, SC06, SC08, XHSC07, XC08, YYC07]. **BioFoundries** [DHK⁺23]. **Bioinformatics** [Gui13]. **Biological** [BBR⁺23]. **Biology** [Dea14, FHFk14, HD14, MHW14, MSW14, OBLD14, VMV13]. **Biomedical** [LZCX22, MCH22]. **Biosequence** [GFZ13]. **Bit** [GZZ⁺21, LCSP14, LDZ22]. **Bit-plane** [LDZ22]. **Bit-Widths** [GZZ⁺21]. **Bitlet** [REL⁺22]. **Bitline** [LYWW13]. **Black** [HYPW22]. **Black-box** [HYPW22]. **Bladder** [MGS⁺12]. **Blind** [CVK15]. **Block** [CZQK15, ON15]. **Bluetooth** [EFRB22]. **Bluetooth-enabled** [EFRB22]. **Board** [PB21]. **Boards** [MGST22]. **Boltzmann** [YP17]. **bond** [XS14]. **Bonding** [KKC17]. **Boolean** [GKT⁺18, SWK⁺16]. **Bottom** [NLK⁺13]. **Bottom-up** [NLK⁺13]. **bound** [KHC⁺22]. **bounded** [PP21]. **box** [HYPW22]. **BPLight** [DCP⁺21]. **BPLight-CNN** [DCP⁺21]. **Brain** [BY18, KWWI17, WL22a]. **Brain-inspired** [BY18]. **Bridging** [LDPPB21]. **broad** [GN08]. **Brownian** [PLC⁺13]. **Budget** [TFZ⁺21]. **build** [KSB⁺08]. **buildable** [LRN05]. **Building** [BBR⁺23]. **Built** [CBK⁺22, IBO22, MRG22, CWL⁺13]. **Built-In** [MRG22, CBK⁺22, IBO22]. **Bulk** [BSS16]. **Bundled** [SMT⁺17]. **Bundled-Data** [SMT⁺17]. **Bundling** [SBR19]. **Cache** [GB18, HAV⁺22, NLW⁺20, VSRR15, ZMC15, TJ13a]. **Caches** [ON15, PAB⁺17, SMT21, CWL⁺13]. **CAD** [FSDT23]. **Calculus** [DD14]. **Call** [SN10]. **Can** [ABM21, WGY21]. **Canonization** [GUP11]. **Capacity** [KXY16, TT21]. **Carbon** [DLWW08, GRPT13, HC15, LKK⁺22, HZY⁺12, MN06, SXL⁺12]. **Carry** [MGZ⁺17]. **Case** [AGD⁺20, PPM⁺13, SCT⁺22, HCTK08]. **Cash** [FMTP22]. **Causality** [MJ11]. **CBRAM** [MKSW17]. **CBRAM-Based** [MKSW17]. **Cell** [BCT⁺13, GG17, MGMU22, SFD17, XZR⁺22, SWJ07]. **Cell-based** [XZR⁺22]. **Cells** [CMJ14, DSB16, KCWL⁺16, MS17, CWL⁺13]. **Cellular** [DPB11, LLX⁺18b, TNWD20, XLW⁺18, CCTP08, DWL10]. **center** [BPB⁺12, KMD12, SMR⁺12]. **centers**

[AMVG12]. **Centric** [KPPB17, NYL⁺²⁰, GNY⁺²²]. **CGRAs** [JOF⁺¹⁵]. **Chain** [MLP⁺²⁰, GD12, WFCX09]. **chain-based** [GD12]. **Challenges** [BVM⁺¹⁹, FMP⁺²¹, Ko12, Nar05, Rez23, MN06, YW13]. **Challenging** [SMR⁺²¹]. **Change** [WZL16, JRC⁺¹³]. **Channel** [ABM21, VDK⁺²¹, CDP17, PYSJ22, PRV⁺²⁰, ASK23, DDG⁺²², DCSA22, MLW⁺²³, RPBA21, RBHG21]. **Characteristics** [KKKK18]. **Characterization** [ASK23, AMA⁺¹⁴, LCY19, NLW⁺²⁰, TJ13b, KWFH12]. **Charge** [RFDT15]. **Check** [LBJ⁺¹⁶]. **Check-Pointing** [LBJ⁺¹⁶]. **Checking** [MZR⁺¹⁴]. **Checks** [ABR⁺²¹]. **chemically** [CNHL08]. **Chip** [ASK23, BS21, VRBS16, BKJ19, Bis17, Bis21, CLKG17, CMM⁺¹⁸, CZQK15, CKC⁺¹⁸, CCW18, CTP14, DJ16, FNO⁺¹⁹, GMGA23, KST⁺²², KDMT22, KK23, LDK⁺¹⁸, LWM⁺¹⁴, LWY22, MSCS19, PDL15, PRG⁺¹⁵, QCF⁺¹⁶, Rez23, SCLW19a, TZS14, VK18, VSM19, WXW⁺¹⁷, XYM18, ACM⁺²⁰, BPH⁺¹¹, CLSD18, CDG⁺¹², CWL⁺¹³, CJ14b, CA11, DLL⁺¹⁹, GMM12, KMC⁺²², LMC⁺¹¹, LWX⁺¹⁴, SCLW19b, WVG13, ZFT13, ZXC10, PCD⁺¹¹, YXW⁺¹²]. **Chip-Level** [CCW18]. **Chips** [CMK⁺²¹, TFR23, PHS⁺²³]. **choices** [Nar05]. **Chronic** [MGS⁺¹²]. **CIM** [HVB22]. **Circuit** [ACH⁺¹⁷, CJ16, DRSR14, GRPT13, GCJ17, GB18, HSZM17, KHR⁺¹⁵, LZBW20, MCT18, NPH18, PB21, SAAR20, TT20, TGCJ16, TW22, TSMCB17, VAK18, ZLWB20, BJ10, DLWW08, KCC⁺¹⁴, MRH12, MMJ09, Moh12, SZSS10, XDX14, YWH⁺¹³]. **Circuits** [AUDS22, AMF⁺¹⁵, BM15, BS15, Che15, CV11, DDP20, DD14, DWK⁺¹⁶, DNHL11, HM14, HLS14, HN12, JLL⁺¹⁷, KZW⁺¹⁵, KKC17, LKK⁺²², LCSP14, MZR⁺¹⁴, MJ11, PP21, PLC⁺¹³, RHB⁺²⁰, SMZ⁺¹⁹, SM11, SMT⁺¹⁷, TJ13b, TSB15, VGZ11, WWG⁺¹⁹, XZR⁺²², ZM22, BCT⁺¹³, HZY⁺¹², KT14, LRN05, LWH14, LJ14, MHL08, MN06, PSM⁺⁰⁶, Sek07, TR10, TR13, WFCX09, XCF08]. **Circular** [Bis21]. **Classical** [DD14, MMD⁺²⁰]. **Classification** [BYHT18, JLL⁺¹⁷, KPPB17, NYL⁺²⁰]. **Classifier** [MSC⁺²¹]. **Classifiers** [LQYL19, LDZ22]. **Clock** [CH14, Che15, ANR⁺¹⁴, MRH12, XPD12]. **Clock-Controlled** [Che15]. **Clock-Tree** [CH14]. **Clocking** [PP21, SSF⁺¹⁵]. **Clockless** [MJ11]. **Closed** [CTT⁺²⁰, SSN12]. **Closed-Loop** [SSN12]. **Cloud** [DHK⁺²³, KK23, PHS⁺¹⁵, AMA⁺¹⁴]. **CLU** [DK21]. **Cluster** [DBS⁺²¹, YYBK19]. **Cluster-based** [DBS⁺²¹, YYBK19]. **Clustering** [DRSR14]. **Clusters** [PPM⁺¹³, RT07]. **CMOS** [ASP⁺¹⁸, CB09, Che15, HN12, HLH⁺¹², KHR⁺¹⁵, MP10, Nar05, NAY24, RT07, RYT⁺⁰⁷, SCI⁺⁰⁹, SXL⁺¹², ZJS09a, ZJS09c, ZJS09b, ZJS10, ZC07, MRR12]. **CMOS-Memristive** [NAY24]. **CMOS-nano** [CB09]. **CMOS/** [MRR12]. **CMOS/molecular** [RYT⁺⁰⁷]. **CMPs** [GB18, SKRX13]. **CNFET** [MGMU22, PFOL07]. **CNN** [DCP⁺²¹, KPM22]. **Co** [GKT⁺¹⁸, IGGR19, KKY⁺²⁰]. **Co-design** [IGGR19]. **Co-optimization** [KKY⁺²⁰]. **Co-Processor** [GKT⁺¹⁸]. **Code** [CKA23, HH11, LPW18]. **Code-based** [CKA23]. **Codesign** [WXW⁺¹⁷]. **Cofactor** [SSP14]. **Cognitive** [KZL15]. **Coherent** [GB18]. **Color** [LM13]. **Combating** [LPW18]. **Combination** [VMV13]. **Combinational** [SBR19]. **combined** [ZFT13]. **Communication** [KDMT22, KK23, LGL15, NVW⁺²², LMC⁺¹¹, SX11]. **Community** [HIH18]. **Compact** [JMKM21, SCT⁺²², DLWW08].

Comparative [DDR⁺16a, JLL⁺17, KWC⁺20, KST⁺22, KCWL⁺16]. **Compare** [REL⁺22]. **Comparison** [LLSO17, PYSJ22]. **Compartmentalization** [RD22]. **Compatible** [KCD15, KCC⁺14]. **compensation** [MRH12]. **Competitive** [KSA⁺22, KHC⁺22]. **Compilation** [HFLZ22, NPS⁺20]. **Compiler** [LKK⁺22, RBG⁺22]. **Compilers** [SPS⁺24]. **complete** [WWG⁺19]. **completion** [MNT14]. **Complex** [PSY⁺18, TT21, WVGP13]. **Complexity** [MCH22, SGR⁺12]. **Component** [AHPC21]. **Components** [Mit17]. **Composable** [MHW14, ZCDD19]. **Comprehensive** [VOB19]. **Compressing** [TFZ⁺21]. **Compression** [MCH22]. **Compressive** [QGW20]. **Compressors** [GP17]. **Computation** [AL17, CVK15, HVB22, HSZM17, MSB⁺22, MMD⁺20, TNWD20, YLF⁺17, ZLB⁺22, YWH⁺13, WDT14]. **Computation-In-Memory** [HVB22, MSB⁺22, ZLB⁺22]. **Computational** [KHC⁺22, MSW14, TT21]. **Computations** [MDS21]. **Compute** [WWZ⁺22]. **Compute-in-Memory** [WWZ⁺22]. **Computed** [XYJ⁺21, XZL⁺21]. **Computer** [AVK16, EDZ⁺23, GNY⁺22, WZL16, CV12]. **Computers** [JRLR15, PSY⁺18, SCT⁺22]. **Computing** [Ano18, ASP⁺18, BY18, BOAC⁺20, BH17, CQZ⁺21, DMYT15, EDCL⁺22, FYJ⁺17, FSD22, GIS⁺22, HN15, JRLR15, KZL15, KKK22, KWWI17, LGL15, LP17, Mit16, MS20, NLL⁺17, NV14, NYL⁺20, NHL⁺17, PAF18, RCYB22, SJKS20, SCL17, SMR23, SVA⁺18, SBR19, SDSS14, SK16, SHB⁺21, SPR18, TTS22, TSMCB17, TV17, VAK18, WYZ⁺20, WD22, XNK18, ZSPC19, ZK18, AMA⁺14, KMD12, KT14, MHL08, McK07, PG12, VO06, WZSC09, WDH⁺09, YW13]. **Computing-In-Memory** [KKK22, WYZ⁺20]. **CONCEALING** [RDM⁺21]. **CONCEALING-Gate** [RDM⁺21]. **Conditional** [PSR17]. **Configuration** [Bis17]. **configuring** [RT08]. **Congenital** [XYJ⁺21]. **Congestion** [MKW⁺14, RMBC12]. **Congestion-Aware** [MKW⁺14, RMBC12]. **Connected** [AGD⁺20]. **Connections** [LKC15]. **Conservative** [PPM⁺13]. **consideration** [LWH14]. **Considerations** [MRR12, UMB⁺18, ZM22, BJ10, WOW⁺10]. **considering** [RYT⁺07, SLS⁺14]. **Consistent** [XZL⁺21]. **Constants** [Mog14]. **Constrained** [OGB18, SCLW19b, SCLW19a, TMG⁺21, XHSC07]. **Constraint** [WXW⁺17]. **Constraints** [CCH16, CNHL08, XHSC07]. **Constructions** [CKA23]. **Consumption** [FC18, LBJ⁺16, LYWW13]. **Contactless** [RDM⁺21]. **Content** [GG17]. **Contradictory** [DWK⁺16]. **Control** [GYM⁺17, GCB14, QGW20, RSD23b, ZXC10]. **control-path** [ZXC10]. **Controllable** [MGZ⁺17]. **Controllable-Polarity** [MGZ⁺17]. **Controlled** [Che15, DNHL11, HZSA14, MSB⁺22, SXL⁺12]. **Converter** [TZS14]. **Convolution** [HYA⁺20, KPM22, SPR18]. **Convolution-over-time** [SPR18]. **Convolutional** [AHS17, DK21, KRP⁺21, LLX⁺18a, LPM⁺19, ORC⁺24, PJSM17, PSL⁺19, TZR20, ZH20]. **Coprocessor** [ASP⁺18]. **Core** [BKJ19, DMYT15, KDMT22, KPFM16, Rez23, YWF18, DJH⁺19]. **correlated** [MLW⁺23]. **Correlation** [AAF13]. **Cortically** [DBS⁺21]. **Cosine** [DBG⁺14, KSA⁺22]. **COSMO** [GIS⁺22]. **Cost** [GLL⁺21a, GCJ17, HSZM17, KXY16, KHC⁺22, LCSP14, LNL19, MRG22, LBGR08, TR10]. **Cost-competitive** [KHC⁺22]. **Cost-Effective** [MRG22]. **Cost-Efficient** [GLL⁺21a]. **count** [MCT18]. **Counter** [HON21]. **Counterfeit** [TFR23]. **Countering** [LYEK22]. **Countermeasure**

[BBB⁺16, GCTF20]. **Countermeasures** [DLTSNA20]. **Counting** [VAK18]. **Coupled** [GKT⁺18, YLF⁺17, WWG⁺19]. **Coupling** [AGR⁺23, KKC17]. **COVID** [KKNM22]. **COVID-19** [KKNM22]. **CPDI** [XDX14]. **CPU** [REL⁺22]. **Critical** [CWT14, SPS⁺24, SHAC19]. **Critical-reliability** [CWT14]. **Criticality** [DRL⁺19, WDG⁺20, YWH⁺13]. **Cross** [BS15, DDG⁺22, DKK⁺15, KWC⁺20, KST⁺22, KKY⁺20, LYWW13, PRG⁺15, SS15, ZGSA15, XDX14]. **Cross-bar** [KKY⁺20]. **Cross-device** [DDG⁺22]. **Cross-Layer** [BS15, DKK⁺15, KST⁺22, PRG⁺15, SS15, ZGSA15, KWC⁺20]. **Cross-Point** [LYWW13]. **cross-power** [XDX14]. **Crossbar** [BSL⁺18, KZL15, LLSO17, MZZ23, NHL⁺17, UMB⁺18, WDW13, WRWW17, YL14, ZJK22, ZH20, ZK18, CQZK14, Tah09, ZMT13]. **Crossbar-based** [ZH20]. **Crossbars** [MS19, PDL15]. **Crossover** [RHB⁺20]. **Crossover-aware** [RHB⁺20]. **Crosstalk** [SMR23]. **Crypsis** [GSC17]. **Crypto** [PHS⁺23]. **Crypto-analysis** [PHS⁺23]. **Cryptographic** [ABR⁺21, RSBA23]. **Cryptography** [CHA20]. **Cryptosystems** [CKA23]. **Crystal** [EDCL⁺22]. **CSMO** [WDG⁺20]. **CT** [KBC⁺23]. **Cubes** [DRSR14]. **Current** [AMH⁺24, KKKK18, MGK18, RFDT15]. **Current-Voltage** [KKKK18]. **Cyber** [LBB⁺18]. **Cyber-Physical** [LBB⁺18]. **Cycle** [FSDT23, XZL⁺21, ZF15, SZSS10]. **Cycle-Accurate** [ZF15]. **cycle-based** [SZSS10]. **Cycles** [JRLR15]. **cyclling** [GD12].

D [CV12, ARLB18, AGD⁺20, BAT⁺22, VRBS16, BLKM23, BCT⁺13, CKC⁺18, CMK⁺21, CJ14a, CBK⁺22, CH14, CRKP22, FRB08, HYWA09, KSB⁺08, KYEB15, KKC17, KWWI17, LKC15, LDK⁺18, LKK⁺22, LDP⁺20, MRG22, SCL17, SKRX13, TJ13b, TTS22, TZS14, VOB19, WL22a, XLBB06, XCF08, XDX14, XPD12, ZJS10, ZMC15, ZCB⁺22]. **D-IC** [BLKM23, CH14]. **D-NoC** [VOB19]. **D-ReG** [LDP⁺20]. **DAC** [CS07, LC08]. **DAHM** [AMVG12]. **Dark** [KDMT22]. **Data** [ACM⁺20, FHFK14, NLW⁺20, PSM⁺06, SMT⁺17, SCZ⁺12, VTKT22, ZPL⁺20, AMVG12, ABS⁺12, BPB⁺12, KMD12, SMR⁺12, ZJS09a, VTKT22]. **Dataflow** [GLL⁺21b]. **Dataset** [JDPH⁺23]. **DC** [TZS14]. **DCT** [BBB⁺22]. **DDR_x** [HTMH18]. **De-obfuscation** [GCTF20]. **Deadline** [SN10]. **Deadlock** [LKC15]. **Deadlock-Free** [LKC15]. **decimal** [Gla14]. **Decipher** [JMKM21]. **decision** [LJ14]. **Decomposition** [HZSA14]. **Deep** [ASMK22, AHS17, ATW⁺22, AAO21, CKC⁺18, CQZ⁺21, CMZR23, DCP⁺21, DDG⁺22, DEW⁺23, HHD⁺23, KKKK18, KMC⁺22, LDP⁺20, LDZ22, PSR17, PAP⁺22, PSY⁺18, RBHG21, RBG⁺22, SM19, SMR⁺21, STNP21, TWLL19, WL22a, YLR⁺23]. **DeepPeep** [JMKM21]. **Defect** [FCR23, GUP11, WDW13, WHL⁺21, YL14, DWL10, PDL07, SCI⁺09, Tah06, Tah09, TWL09, XC08, YYC07]. **Defect-Aware** [GUP11]. **Defect-Free** [YL14]. **defect-tolerant** [YYC07, ZMT13]. **defect/error** [TWL09]. **defect/error-tolerant** [TWL09]. **Defects** [CHN09, FMW⁺22, KKC17, MRG22]. **Defending** [LDZ22]. **Defenses** [BGX⁺21]. **degradation** [Edi14, SLS⁺14]. **Delay** [BY18, CMJ14, CKWK18, Gla14, GCTF20, KKC17, LMM18, SMT⁺17, TGCJ16, CWT14, TR10]. **Delay-based** [Gla14, GCTF20]. **Delay/Power** [TGCJ16]. **Delivery** [HLH⁺12, WXW⁺17, ZSXY11, ZS08]. **Demand** [HLH⁺12]. **Denoising** [XZL⁺21]. **Dense** [SBR19]. **Denser** [RMW⁺17]. **dependability** [PUBV07, TG07]. **Dependence** [NPA⁺12]. **Dependent**

[AMF⁺¹⁵, ZWL⁺¹⁵, LYL19]. **Deployment** [PJSM17]. **Deposited** [LLSO17, BPH⁺¹¹]. **Depth** [HYA⁺²⁰, PP21, CV12]. **Depth-bounded** [PP21]. **Depth-wise** [HYA⁺²⁰]. **Depthwise** [KRP⁺²¹]. **Depthwise-Separable** [KRP⁺²¹]. **Descent** [HHD⁺²³]. **Describing** [KAB⁺²¹]. **Design** [ASB⁺²¹, AMH⁺²⁴, ACH⁺¹⁷, AHS22, AGR⁺²³, BBB⁺²², BKJ19, BSY⁺¹⁶, CZ05, CJ16, CTP14, CTT⁺²⁰, DKK⁺¹⁵, DRL⁺¹⁹, FSDT23, GRPT13, GP17, GG17, GJ17, HM14, JMKM21, JWJ⁺¹⁷, KHC⁺²², KT20, LPB⁺¹⁵, LDK⁺¹⁸, LPW18, LML⁺¹⁹, LZBW20, LZCX22, MRR12, MSB⁺²², MS20, MCT18, NPH18, NV14, OBLD14, PCD⁺¹¹, PUBV07, RDM⁺²¹, Rez23, SFD17, SAAR20, SDSS14, SS15, SN11, TJ13a, TR10, TR13, TTS22, TSB15, TSMCB17, UMB⁺¹⁸, WOW⁺¹⁰, WD22, XLBB06, XZR⁺²², ZJK22, ZJS09a, ZLWB20, ZSPC19, ZCB⁺²², ZGSA15, dLBHC22, BJ10, BCT⁺¹³, CB09, CDG⁺¹², CJ14b, CNHL08, DMR06, DLWW08, Gla14, GRS05, HMS⁺⁰⁵, HZY⁺¹², IGGR19, KP10, LBGR08, LMC⁺¹¹, MLK⁺⁰⁸, MRH12, MN06, Nar05, OSLT06, RMBC12, SXL⁺¹², WFCX09, XDX14, XHSC07, ZC07, ZXC10, ZJS09c]. **design-considerations** [BJ10]. **Design-time** [AMH⁺²⁴]. **Designing** [AVK16, DBG⁺¹⁴, RYT⁺⁰⁷, TKBM12]. **Designs** [ACJ17, FNO⁺¹⁹, SM19, TZS14, ANR⁺¹⁴, ZS08]. **Detect** [JWJ⁺¹⁷, TFR23]. **Detecting** [JCK23]. **Detection** [ABM21, ATW⁺²², BYHT18, CKWK18, DRG21, GLL^{+21a}, HIH18, KBC⁺²³, KPFM16, MGMU22, MLP⁺²⁰, MKG⁺²³, SGR⁺¹², TW22, ZFT13]. **Detection-Based** [KBC⁺²³]. **Detector** [LTKP16]. **Detector-Based** [LTKP16]. **Development** [FMW⁺²²]. **Device** [BJ10, CJ14a, EFRB22, HVB22, HD14, LZBW20, SAAR20, YJ18, ZLWB20, ZK19, DDG⁺²², Edi14, RYT⁺⁰⁷]. **Device-aware** [SAAR20]. **Device-Type** [YJ18]. **Devices** [ALY⁺²¹, BOAC⁺²⁰, CKB20, GBLD15, KT20, LZCX22, MZZ23, NPA⁺¹², PDL15, STSG17, TFZ⁺²¹, TMG⁺²¹, JRC⁺¹³, MHL08, RT08, YW13]. **DFR** [BY18]. **Diagnosis** [WHL⁺²¹, DJRM09, DDM⁺⁰⁶]. **Diagonal** [HZSA14]. **diagram** [LJ14]. **Diamond** [ATW⁺²²]. **Digit** [KSA⁺²²]. **Digital** [BMB18, Che15, GLL^{+21a}, GCB14, HM14, HLS14, IBO22, KZL15, LBB⁺¹⁸, MPM13, OGB18, DJRM09, DDM⁺⁰⁶, KT14, LZCX22, RMBC12, RBGC14, SC08, XHSC07, XC08, YYC07, ZXC10]. **Digital-Microfluidic** [LBB⁺¹⁸]. **dilution** [RBGC14]. **Dimension** [ST20]. **Dimensional** [GUP11, MLK⁺⁰⁸, WFCX09, XS14]. **DINOS** [VTKT22]. **diode** [BJ10, DMR06]. **diode-based** [DMR06]. **diodes** [LM13]. **Directed** [CKB20]. **Direction** [HMP⁺²²]. **Direction-aggregated** [HMP⁺²²]. **Directional** [NVW⁺²²]. **Disassembly** [PRV⁺²⁰]. **Disease** [XYJ⁺²¹]. **displacements** [SWJ07]. **dissipation** [MHL08]. **Distance** [CV11, TT20]. **Distributed** [AAO21, LGYC21, NHL⁺¹⁷, AMVG12, STA⁺¹², VMNI08]. **distributed-memory** [VMNI08]. **Distribution** [MGST22, RSBA23, XPD12]. **Disturbance** [ZCX⁺¹⁷]. **Diverse** [OK22]. **Division** [XLL⁺¹⁸]. **DL** [DDG⁺²²]. **DMAC** [RSD23b]. **DNA** [MT14, SKB13, VTKT22]. **DNN** [HYA⁺²⁰, LTO22, MMAAK23, SPS⁺²⁴]. **DNNs** [JMKM21]. **Domain** [KWC⁺²⁰, Mit17, SBZT20, XDX14]. **Domain-Wall** [Mit17, SBZT20]. **Dormant** [DRG21]. **Dot** [DPB11, TNWD20, DWL10, WDH⁺⁰⁹]. **DPA** [DLTSNA20, ZJ11]. **DRAM** [YYBK19]. **DRAM-Flash** [YYBK19]. **DRAMs** [BJ10]. **Driven** [LHW⁺¹⁷, BGX⁺²¹, GMM12, WDG⁺²⁰, XS14]. **driver** [HCTK08]. **Droplet** [GHHW19, HRR19, MPM13, XHSC07, XC08]. **Droplet-Aware**

[MPM13]. **droplet-interference** [XHSC07]. **Dropout** [IBO22]. **Drug** [HLH⁺12]. **DSE** [WDG⁺20]. **DSP** [TWL09]. **DTA** [TMG⁺21]. **DTA-PUF** [TMG⁺21]. **Dual** [DLTSNA20, MFA⁺13, PAF18, PP21, YJ18, MP10]. **dual-** [MP10]. **Dual-Mode** [PAF18]. **Dual-Rail** [DLTSNA20]. **Durable** [BGX⁺21]. **duty** [GD12]. **DVFS** [MKW⁺14, ZF15]. **DWT** [SGR⁺12]. **Dynamic** [CThG15, GB18, JOF⁺15, MRH12, MEHT21, QGW20, SMT21, SHB⁺21, TMG⁺21, YMWH21, ZMC15, AMVG12, DLL⁺19, WWJ09]. **Dynamically** [AIK21, ZJS09a, ZJS09c, ZJS10].

Early [Ko12, XLW⁺18, ZJK22, ZGSA15]. **Early-Stage** [ZGSA15]. **Easy** [DDR⁺16b]. **ECC** [PFRR17]. **ECDSA** [BBB⁺16]. **ECG** [SCZ⁺12, ZBF⁺22]. **Ecosystem** [OK22]. **Edge** [CQZ⁺21, KK23, MZZ23, MGMU22, SPS⁺24, XZL⁺21]. **Editor** [CLKG17, SCLW19a, Ano18]. **Editorial** [CS07, Cha10, CFK22, HVB22, IN05, JHPG22, Kar20, McK07, Nar08, SLCJ22, SK16, TSB15, TSMCB17, TV17, XCF08, ZLWB20, Shu09]. **Editors** [CLSD18, FNO⁺19, GMGA23, SCLW19b]. **EEG** [KRP⁺21]. **Effect** [CV11, LYWW13, XPD12, HZY⁺12]. **Effective** [MRG22, MKG⁺23, ZBF⁺22]. **effects** [MLK⁺08]. **Efficiency** [CMM⁺18, LLSO17, TKBM12, YMWH21, ZS08]. **Efficient** [BYHT18, CQL21a, CQL21b, CRKP22, DDG⁺22, DJRM09, GLL⁺21a, GLL⁺21b, HN12, HHD⁺23, KDMT22, KT20, LKC15, LPW18, MGMU22, MMAAK23, NV14, NAY24, PJSM17, PSR17, PAF18, RSD23b, SVA⁺18, SMT21, SDSS14, SMT⁺17, SPR18, TZR20, VSRR15, WGY21, XLW⁺18, ANR⁺14, BY18, BS21, GD12, KSB⁺08, LML⁺19, LYL19, MS20, MSC⁺21, PT12, TR13, XZR⁺22, SM11]. **Elastic** [PHS⁺15, ZM22]. **Elasticity** [GOGCK11]. **Electric** [RFDT15]. **Electrical** [YLR⁺23]. **Electro** [ACJ17, DEW⁺23]. **Electro-Photonic** [ACJ17, DEW⁺23]. **Electroencephalography** [TKBM12]. **Electrograms** [ZBF⁺22]. **Electromagnetics** [CFK22]. **Electron** [CEW⁺13, CCH16, WHL⁺21, HYWA09]. **Electronic** [MGST22, YXW⁺12, JRC⁺13]. **Electronics** [BY12, CFK22, Ko12, HCTK08, WZSC09]. **Electrostatic** [GPW⁺15, KKC17]. **electrostatics** [KTW08]. **Electrothermal** [CSKM13, HLH⁺12]. **Element** [SMT⁺17]. **elements** [CW08]. **EM-X-DL** [DDG⁺22]. **Embedded** [FKM22, JCK23, JWJ⁺17, LBJ⁺16, SMR23, TZR20, WHB⁺21, MCT10]. **Embedding** [HIH18, SWK⁺16]. **Embryonics** [TMM⁺07]. **Emerging** [BSY⁺16, DMYT15, DLTSNA20, FMP⁺21, FNO⁺19, GBLD15, KZW⁺15, KBM21, MSB⁺22, MAC⁺21, MPR⁺22, TSB15, WZSC09, BC08, Edi14, PUBV07]. **Employing** [KST⁺22]. **Emulation** [RCYB22]. **Enabled** [CDP17, Rez23, EFRB22, NVW⁺22, WVG13]. **Encoder** [QGW20]. **Encoding** [ZWL⁺15]. **End** [FKM22]. **End-to-End** [FKM22]. **Energy** [ACH⁺17, BY18, CMM⁺18, CRKP22, DNHL11, GD12, KT20, LPB⁺15, LKC15, LLSO17, LML⁺19, LYWW13, LJL18, LYL19, MS20, NLW⁺20, NAY24, PFRR17, PSR17, PAF18, RFDT15, SVA⁺18, SCLW19b, SCLW19a, STA⁺12, SMT⁺17, SPR18, TKBM12, TNWD20, VSRR15, ZSXY11, KMD12, KSB⁺08, KP10, MHL08, MCT10, SMR⁺12, WOW⁺10, WCSA10, SM11]. **Energy-** [STA⁺12]. **energy-adaptive** [KMD12]. **Energy-Constrained** [SCLW19b, SCLW19a]. **Energy-Efficiency** [LLSO17]. **Energy-Efficient** [CRKP22, KT20, LKC15, NAY24, PSR17, SVA⁺18, SMT⁺17, SPR18, VSRR15, BY18, GD12, LML⁺19, LYL19, MS20, SM11]. **Energy-Neutral** [LPB⁺15]. **enforced** [RD22]. **Engine**

[ER GK21, KWG⁺20, ZK18]. **Engineering** [BWL⁺21, CCW18, QCF⁺16]. **Engines** [AL17, WWZ⁺22]. **Enhanced** [AHS22, PYSJ22]. **enhancement** [SC06]. **Enhancing** [FMTP22, KMD12]. **Ensembles** [WGY21]. **Entanglement** [ST20]. **Environment** [RNN⁺22, OSLT06]. **Epidemiology** [KKNM22]. **Epilepsy** [SSN12]. **Epileptic** [SGR⁺12]. **equation** [KTW08]. **Era** [KDMT22, MAC⁺21, SMR⁺21, TSMCB17]. **Error** [AHS21, GYM⁺17, NPS⁺20, LWX⁺14, ZXC10]. **Error-Aware** [NPS⁺20]. **Error-Tolerant** [GYM⁺17, TWL09]. **Errors** [LPW18, SKRX13]. **ESN** [GLL⁺21a]. **ESOP** [DRSR14]. **Estimation** [CMJ14, GCJ17]. **Eternal** [RSD⁺23a]. **Eternal-thing** [RSD⁺23a]. **Eucalyptus** [AMA⁺14]. **Evaluating** [CMZR23, RT07, SJKS20]. **Evaluation** [CTP14, DRL⁺19, GRS05, IBO22, JLL⁺17, MKW⁺14, WGY21, CDG⁺12]. **Events** [KWG⁺20]. **EVHA** [HML⁺23]. **Evolutionary** [HM14, Sek07]. **Evolving** [TG07]. **Examples** [HMP⁺22, HYPW22]. **Exascale** [DMYT15]. **Execution** [MPM13]. **Existing** [WWC23]. **Exit** [XLW⁺18]. **Explainable** [HML⁺23]. **Explained** [MLP⁺20]. **Explicit** [ABR⁺21]. **Exploiting** [ACM⁺20, DK21, JM KM21, KXY16, SLC⁺17, VDB⁺16]. **Exploits** [WYZ⁺20]. **Exploration** [LDK⁺18, WKL16, ZJK22, TJ13a, XLBB06, ZJS09a, ZC07]. **Exploring** [KAB⁺21, RD22, SKRX13]. **Extended** [PPM⁺13]. **Extensible** [KAKSP14]. **Extension** [MMD⁺20]. **Extracting** [NPS⁺20]. **Extraction** [YL14]. **Extractor** [RFDT15]. **Extreme** [KKK22].

Fabric [DPB11]. **Fabrication** [CCH16, VDB⁺16]. **Fabrication-Induced** [VDB⁺16]. **Fabrics** [NLK⁺13]. **Failure** [KYEB15, KKY⁺20, PFRR17, VAK18]. **Failure-Aware** [PFRR17]. **Fast** [KBC⁺23, SMT21, SKB13, WDG⁺20, YL14, ZCSG21]. **Fault** [ABR⁺21, BBB⁺16, BKJ19, CBK⁺22, CVK15, DJ16, FMW⁺22, HH11, IBO22, JCK23, JWJ⁺17, LDPPB21, LCK19, MGZ⁺17, PHS⁺23, SLC⁺17, VAK18, DDM⁺06, SCI⁺09]. **Fault-Based** [BBB⁺16, IBO22]. **Fault-Injection** [JCK23, PHS⁺23]. **Fault-Tolerant** [BKJ19, CVK15, DJ16, HH11, LCK19, MGZ⁺17, ABR⁺21]. **faults** [CHN09]. **Feature** [SPR18]. **Feedback** [BY18]. **Ferroelectric** [LWY22]. **Ferroelectric-Based** [LWY22]. **Field** [AGR⁺23, ATW⁺22, BMB18, KR18, NPA⁺12, WWG⁺19, HZY⁺12]. **Field-coupled** [WWG⁺19]. **Field-Coupling** [AGR⁺23]. **field-effect** [HZY⁺12]. **Fields** [CThG15]. **File** [WX15]. **Files** [ZCX⁺17]. **Fin** [BSS16]. **Fine** [BLKM23, SMT⁺17, MLK⁺08]. **Fine-Grain** [SMT⁺17, MLK⁺08]. **Fine-grained** [BLKM23]. **FinFET** [BJ10, BSS16, CMJ14, CJ14a, CJ14b, CJ15, DLTSNA20, FCR23, GJ17, KCWL⁺16, LJ10, MMJ09, SSF⁺15, TJ13a, TJ13b, TGCJ16, YJ18, ZJ11]. **FinFET-Based** [SSF⁺15, ZJ11, LJ10]. **FinFETs** [CJ16, GVERR17, GJ17]. **Fingerprinting** [Bis21]. **Firmware** [FKM22]. **Flash** [HC15, YYBK19]. **Flexible** [BKJ19, KRP⁺21, MMAAK23, PAF18, HCTK08, LWH14]. **Flip** [AM18]. **Flip-N-Write** [AM18]. **Floating** [HC15, NV14]. **Flow** [GCB14, ZPL⁺20, DMR06, ZJS09c]. **Fluidic** [WWC23]. **fluids** [RBGC14]. **Fluigi** [HD14]. **fly** [IASK20]. **Folding** [MMAAK23]. **Forest** [MPZ21]. **Form** [CTT⁺20]. **Formal** [CCTP08, GYM⁺17]. **Formalizing** [FHFK14]. **formulation** [YYC07]. **formulations** [ZMT13]. **Fortifying** [LTM22]. **FPGA** [AHPC21, AHS22, BRZ21, CKA23, GLL⁺21a, HON21, LLX⁺18a, LLX⁺18b, LYL19, LMM18, RCYB22]. **FPGA-Based**

[LLX⁺18b, AHS22, HON21, RCYB22].
FPGAs [AAO21, RT07, ZPL⁺20]. **FPIC** [JDPH⁺23]. **Framework** [CJ15, FKM22, FMW⁺22, HFLZ22, KAS⁺22, KBC⁺23, KPFM16, LPB⁺15, LH20, LLX⁺18b, NPH18, PRG⁺15, RCYB22, SDSS14, XYJ⁺21, ZJK22, MCT10]. **Fredkin** [DJ08]. **Free** [DBG⁺14, GLMG⁺15, LKC15, Mog14, WRWW17, YL14]. **Frequency** [CFK22, EFRB22, JOF⁺15, KAKSP14, LTKP16]. **Frontiers** [CLSD18]. **Frontside** [DDR⁺16a]. **Full** [MGMU22]. **Fully** [CCWCC15, KXY16, TZR20]. **Function** [LQYL19, TMG⁺21]. **Functional** [GCO⁺11, Sek07]. **Functions** [DDR⁺16b, FSD22, LTM22, SWK⁺16, UMB⁺18, PT12]. **Fundamentals** [PLC⁺13]. **Fusing** [ORC⁺24]. **Future** [BLKM23, DLTSNA20, GMGA23, KAB⁺21, RSD23b, CA11, MN06].

GALS [PCD⁺11]. **Gap** [LDPPB21]. **Garbage** [DBG⁺14, Mog14, TR10]. **Garbage-Free** [DBG⁺14, Mog14]. **GARDENIA** [XCS⁺19]. **gas** [HYWA09]. **Gate** [HC15, LSH14, RDM⁺21]. **Gated** [BJ10, JRJ22]. **Gated-diode** [BJ10]. **Gated-RRAM** [JRJ22]. **Gates** [AHSZ16, CJ14a, DWK⁺16, HZSA14, DJ08]. **Gating** [HN12, ZF15]. **Geckos** [GSC17]. **gem5** [CJ15]. **gem5-PVT** [CJ15]. **Generalized** [WHL⁺21, RBGC14]. **Generation** [AMH⁺24, HYPW22, KK23, MKG⁺23, TW22, WJWM23, XCS⁺19]. **Generator** [CKA23]. **Generators** [LTKP16, ST20]. **Genes** [AAF13]. **Genetic** [BBB⁺22, MZR⁺14]. **Genetic-algorithm-based** [BBB⁺22]. **genomics** [GN08]. **geographically** [AMVG12]. **Geometric** [DSB16]. **Global** [DDP20, XPD12]. **GPGPU** [LCY19, TWLL19, WX15]. **GPU** [BS21, CRKP22, LLX⁺18a, LML⁺19, MPZ21]. **GPU-Outperforming** [LLX⁺18a]. **GPUOPT** [BS21]. **GPUs** [SPS⁺24, ZCX⁺17]. **Gradient** [HYPW22, HHD⁺23]. **Grain** [SMT⁺17, MLK⁺08]. **grained** [BLKM23]. **Graph** [CRKP22, FSD22, MDS21, PP21, XCS⁺19]. **Graph-based** [FSD22]. **Graphene** [DDP20, HC15, KHR⁺15, WLJC21, WZSC09]. **Graphene-Based** [WLJC21, WZSC09]. **green** [AMVG12, PG12]. **greener** [GD12]. **Grid** [ZGSA15]. **Guarantees** [GYM⁺17]. **Guarding** [DCSA22]. **Guest** [CLKG17, CFK22, HVB22, JHPG22, SCLW19a, SLCJ22, Shu09, SK16, TSB15, TSMCB17, ZLWB20, Ano18, CLSD18, FNO⁺19, GMGA23, SCLW19b]. **Guided** [MCH22, WDG⁺20].

H [HCTK08]. **Hack** [MLP⁺20]. **Hamming** [RSBA23, TT20]. **Hardening** [LBB⁺18]. **Hardware** [ASB⁺21, ABR⁺21, ALY⁺21, ASK23, AHS22, ATW⁺22, BBB⁺22, BSY⁺16, BGX⁺21, BHL19, BWL⁺21, BVM⁺19, CRSSBMR21, CLKG17, CLSD18, CQL21a, CQL21b, CCWCC15, CKWK18, DBS⁺21, DRG21, DCSA22, EFRB22, FMP⁺21, GCC⁺23, GFZ13, HIH18, HML⁺23, IGGR19, KPM22, KKY⁺20, KRG⁺23, KCD15, KKNM22, LQYL19, LFDS22, LJL18, LCK19, MEHT21, MAC⁺21, MPR⁺22, MKG⁺23, PJSM17, SLC⁺17, SBR19, SCLW19b, SCLW19a, SLCJ22, WYZ⁺20, WHB⁺21, XLW⁺18, ZLGL21, TMM⁺07]. **Hardware-accelerated** [KKNM22]. **Hardware-Assisted** [MPR⁺22]. **Hardware-Aware** [SLCJ22]. **Hardware-Based** [LQYL19, MAC⁺21]. **Hardware-oriented** [AHS22]. **Hardware-Software** [IGGR19]. **Harvesting** [RSD⁺23a, RFDT15, ZSXY11, KP10, MCT10, WOW⁺10, WCSA10]. **Hashing** [JCK23]. **HDL** [OSLT06]. **HDLQ** [OSLT06]. **Heart** [XYJ⁺21]. **Hermitian** [AHSZ16, HZSA14]. **Heterogeneous**

[AAF13, BHL19, CTP14, HTMH18, IASK20, KHR⁺15, LGL15, LDP⁺20, MMD⁺20, SM19, VK18]. **Heterojunction** [KCWL⁺16]. **Heuristic** [BM15, PT12]. **Heuristics** [RPBA21]. **Hiding** [FHF14]. **Hierarchical** [DBS⁺21, LFDS22, YXW⁺12]. **Hierarchy** [PHS⁺15, VSRR15]. **High** [ASP⁺18, BYHT18, BH17, CJ16, CRKP22, GN08, HRR19, LTKP16, LML⁺19, LZX⁺21, MTC⁺08, PAB⁺17, PSY⁺18, PAC⁺22, SC08, WL22b, XLL⁺18, ZM22, Bea11, BPH⁺11, CA11, LMC⁺11, MN06, PFOL07, RMBC12, WWJ09, ZS08, SM11]. **high-** [MP10]. **high-efficiency** [ZS08]. **High-level** [MTC⁺08, PAC⁺22, SC08, ZM22]. **High-Performance** [ASP⁺18, BH17, CJ16, CRKP22, PSY⁺18, HRR19, LML⁺19, Bea11, BPH⁺11, LMC⁺11, WWJ09, SM11]. **High-Speed** [BYHT18, LTKP16, PAB⁺17, XLL⁺18]. **high-throughput** [CA11, RMBC12]. **Higher** [ST20]. **Highlights** [DR11]. **Highly** [HN12, MGMU22]. **Highly-Efficient** [MGMU22]. **History** [Ko12]. **HMC** [HTMH18]. **Holistic** [BAT⁺22]. **Homogeneous** [HRR19]. **Horse** [DRG21]. **hosting** [AMVG12]. **HPC** [KK23]. **HTM** [ZK19]. **Human** [KWWI17]. **Human-Scale** [KWWI17]. **Hut** [MPZ21]. **HW** [JRLR15]. **HW/SW** [JRLR15]. **Hybrid** [DJ16, DLL⁺19, HAV⁺22, HH11, LNL19, LQYL19, LWM⁺14, LWY22, NAY24, PHS⁺15, PAP⁺22, SMT21, WDW13, YLR⁺23, YYPK17, YYBK19, CB09, CJ14b, LBGR08, LMC⁺11, RT07, SCI⁺09, ZJS09a, ZJS09c, ZJS09b, ZJS10]. **Hypercolumn** [PSL⁺19]. **Hyperdimensional** [SBR19]. **Hypervectors** [SBR19].

IBM [NPS⁺20]. **IC** [BLKM23, CH14, SMZ⁺19]. **iConn** [LGL15]. **ICs** [ARLB18, BLKM23, CKC⁺18, CBK⁺22, FRB08, MRG22, RSBA23, SCL17, TZS14, XS14, ZCB⁺22]. **Identification** [KRP⁺21, SMZ⁺19, CWT14]. **identify** [PT12]. **Idle** [SLC⁺17]. **IEEE** [Shu09]. **IEEE/ACM** [Shu09]. **II** [ZJS09c]. **ILP** [ZMT13]. **Image** [BWL⁺21, CLZ⁺22, MGMU22, MCH22, PSR17, LM13]. **Images** [ATW⁺22, KBC⁺23, XZL⁺21]. **IMFlexCom** [PAF18]. **Impact** [BSS16, DNHL11, KAKSP14, KKC17, KMC⁺22, LZX⁺21, MGK18]. **Implantable** [BY12, HLH⁺12, Ko12, MGS⁺12, SSN12, SCZ⁺12]. **Implants** [MLP⁺20]. **Implementation** [VDK⁺21, CRSSBMR21, JOF⁺15, LFDS22, LLX⁺18b, LMM18, PCD⁺11, SSN12, XLW⁺18]. **Implementations** [BVM⁺19, DBG⁺14]. **Implementing** [SMR⁺12]. **Implicant** [PT14a]. **Implicant-Implicit** [PT14a]. **Implications** [KAB⁺21, VO06]. **Implicit** [PT14a]. **Improve** [HSZM17]. **Improved** [DRSR14, DRG21, PT14a, PSR17, ZJ11]. **Improvement** [RBHG21, XZR⁺22, YMWH21, ANR⁺14, FRB08]. **Improving** [AHPC21, CMM⁺18, MPZ21, ON15, RBHG21, SCL17, YWF18]. **In-Field** [BMB18]. **In-Memory** [HFLZ22, HHD⁺23, NHL⁺17, PAF18, TT20, KMC⁺22]. **In-storage** [ORC⁺24]. **Incoherent** [YLR⁺23]. **Incremental** [XLW⁺18]. **independent** [Tah06]. **indoor** [WOW⁺10]. **Induced** [PAC⁺22, VDB⁺16]. **Inductor** [TZS14]. **Inductor-Based** [TZS14]. **inductors** [SXL⁺12]. **Inexact** [KT14, MGMU22]. **Inference** [KWG⁺20, KKNM22, MZZ23, WWZ⁺22, ZCDD19]. **Information** [AAF13, HLS14, PRV⁺20, DWL10]. **information-theoretic** [DWL10]. **Infrastructure** [LGL15, PB21, AMA⁺14]. **Inherently** [ABR⁺21]. **Initialization** [KKY⁺20]. **Injection** [DDR⁺16a, JCK23, JWJ⁺17, LDPPB21, PHS⁺23]. **Inkjet** [RHB⁺20]. **INspired** [VTKT22, CZQK15, DBS⁺21, BY18, CQZK14]. **instability** [KCC⁺14]. **Integer** [DBG⁺14, WL22a].

Integer-arithmetical [WL22a]. **integral** [KTW08]. **Integrated** [BS15, ISI⁺18, KKC17, KHC⁺22, LKK⁺22, MMAAK23, NLK⁺13, TJ13b, TW22, XC08, XLL⁺18, ZXC10, Bea11, BCT⁺13, HCTK08, MN06, WFCX09, XCF08]. **Integration** [AAF13, KWWI17, MLK⁺08, SX11]. **Integrity** [CMZR23, PB21]. **Intel** [RBG⁺22]. **Intellectual** [Bis21]. **Intelligence** [Dea14, KBM21, XYJ⁺21]. **Intelligence-based** [XYJ⁺21]. **Inter** [CMK⁺21, CBK⁺22]. **Inter-Layer** [CBK⁺22]. **Inter-tier** [CMK⁺21]. **Interaction** [CV11]. **Interactions** [NPA⁺12]. **Interconnect** [BPS19, KMC⁺22, MN06, MTC⁺08]. **interconnection** [LJ10]. **Interconnects** [DDP20, LLSO17, LKL⁺18, Bea11]. **Interface** [WKL16, XDX14]. **interference** [XHSC07]. **Intermittent** [RCYB22]. **Intermittently** [ZPL⁺20]. **Internet** [MPR⁺22]. **Interpolation** [ZCSG21]. **Interpreting** [GCB14]. **interstitial** [SC06]. **Intracardiac** [ZBF⁺22]. **Introduction** [Ano18, AD14, BC08, Bah09, BY12, CLKG17, CLSD18, CQL21a, CQL21b, DR11, DHK⁺23, Edi14, FSdT23, FMP⁺21, FNO⁺19, GMGA23, Gui13, HN15, KK23, KP10, LC08, LZBW20, MPR⁺22, MSW14, PG12, PR13, SCLW19b, SCLW19a, SX11, SS15, SN11, TTS22, WDT14, WD22]. **Intrusion** [BYHT18]. **Investigating** [MLK⁺08]. **Investigation** [GCTF20]. **IoT** [EFRB22, KT20, LYEK22, RSD⁺23a, RDS24, STSG17, TFZ⁺21, TW22]. **IoT-based** [RDS24]. **IP** [ASMK22, GCC⁺23, OK22, SMZ⁺19]. **IP/IC** [SMZ⁺19]. **Iris** [TZR20, LMC⁺11]. **irregular** [LDL10]. **Irreversible** [HLS14]. **Issue** [BY12, CQL21a, CQL21b, DMYT15, DR11, DHK⁺23, FSdT23, FMP⁺21, GMGA23, Gui13, HN15, KK23, LZBW20, MPR⁺22, MSW14, SS15, SLCJ22, SK16, SN11, TTS22, TSB15, TSMCB17, TV17, WDT14, WD22, ZLWB20, AD14, BC08, CS07, Edi14, McK07, PG12, PR13, XCF08].

JETC [BC08, SLCJ22, TV17, ZLWB20]. **JETC/TODAES** [BC08]. **Job** [MNT14]. **joint** [BC08]. **JTAG** [PB21]. **Junction** [VDB⁺16]. **Junctionless** [BSS16].

Keeping [ABS⁺12]. **Kernels** [LCY19]. **Ket** [CD22]. **Key** [BBB⁺16, CKA23, MKMS22]. **Key-Sharing** [MKMS22]. **Kilobyte** [TFZ⁺21]. **Kilocore** [ACJ17]. **KNN** [MPZ21]. **Kogge** [BSL⁺18]. **Kronecker** [TFZ⁺21].

L2 [PAB⁺17]. **lab** [ZXC10]. **lab-on-chip** [ZXC10]. **labeling** [EWKKNW07]. **Laboratories** [DHK⁺23]. **Language** [CTT⁺20, MMD⁺20, OBLD14]. **Large** [Bea11, KCD15, LGYC21, PDL15, SWK⁺16]. **Large-Scale** [KCD15, Bea11, LGYC21]. **Laser** [DDR⁺16a, LKL⁺18]. **Lasers** [FC18]. **Last** [NLW⁺20]. **Last-level** [NLW⁺20]. **Latency** [DKK⁺15, CA11]. **Layer** [BS15, VRBS16, CBK⁺22, DKK⁺15, KST⁺22, LLSO17, NVW⁺22, PRG⁺15, SS15, ZGSA15, KWC⁺20]. **layout** [RMBC12]. **LC** [SXL⁺12]. **LDPC** [LPW18]. **Leakage** [CMJ14, CJ16, MLW⁺23, CJ14b, GJ17, LSH14]. **Leakage/Delay** [CMJ14]. **learnable** [YYBK19]. **Learning** [ASB⁺21, ABM21, ASMK22, ATW⁺22, AAO21, AMF⁺15, BWL⁺21, CLKG17, CLSD18, CZQK15, CQL21a, CQL21b, CMZR23, DCP⁺21, DDG⁺22, DJH⁺19, DCSA22, FMTP22, GCC⁺23, GGTG⁺20, HON21, KPPB17, KRG⁺23, KSA⁺22, KPFM16, LDZ22, LGYC21, MEHT21, MS19, PSR17, PSY⁺18, Rez23, RBHG21, SAAR20, SCLW19b, SCLW19a, SLCJ22, SMR⁺21, SPR18, STNP21, TWLL19, WL22a, YLR⁺23, ZY18, ZK18, ZK19, CQZK14]. **Learning-Based** [ZY18]. **Learning-Part** [CQL21a]. **less** [HYA⁺20, RSD⁺23a]. **Level**

[ARLB18, CCW18, CZW⁺¹⁹, DRL⁺¹⁹, JWJ⁺¹⁷, LLX^{+18b}, LZX⁺²¹, LCY19, MTC⁺⁰⁸, MP10, Moh12, NLW⁺²⁰, PAC⁺²², SC08, ZM22]. **Leverage** [RPBA21]. **Leveraging** [PRV⁺²⁰, SMR23]. **library** [LCJ14]. **life** [ZJT⁺¹⁴]. **light** [WOW⁺¹⁰]. **Lightweight** [ASMK22, LHHZ19, MKMS22, MAC⁺²¹, RDS24]. **like** [HMS⁺⁰⁵]. **Limit** [LCK19]. **Limits** [RD22, GMM12]. **Linear** [ZCSG21]. **Links** [NVW⁺²²]. **Literature** [AAF13]. **LiwePMS** [LHHZ19]. **Loads** [ZSXY11]. **Localization** [CBK⁺²²]. **Locally** [DNHL11]. **Lock** [ASMK22]. **Locking** [LZX⁺²¹, SMR⁺²¹]. **Log** [LH20]. **Log-Structured** [LH20]. **Logic** [AHSZ16, CJ14a, CJ16, CNH12, GCO⁺¹¹, GUP11, GVR17, KT20, LCSP14, LP17, LZX⁺²¹, LMM18, MS17, NLL⁺¹⁷, PT14a, SJKS20, SMR23, SSP14, SMR⁺²¹, SWK⁺¹⁶, VGZ11, ANR⁺¹⁴, CJ14b, DJ08, HMS⁺⁰⁵, LJ14, LCT12, MTC⁺⁰⁸, PT12, TR13, ZMT13]. **Logic-Based** [KT20, NLL⁺¹⁷, TR13]. **Loihi** [RBG⁺²²]. **Long** [ZSPC19]. **Loop** [SSN12]. **LosPem** [LH20]. **Loss** [HLS14]. **Lotus** [LGYC21]. **Low** [AHHS21, BS20, CJ16, Che15, EFRB22, GBLD15, GLMG⁺¹⁵, HHD⁺²³, IBO22, KZW⁺¹⁵, KHR⁺¹⁵, KR18, LTM22, LNL19, MGS⁺¹², MMJ09, PRG⁺¹⁵, PSL⁺¹⁹, QGW20, RMW⁺¹⁷, SLC⁺¹⁷, STSG17, SGR⁺¹², SM19, SSF⁺¹⁵, Tah09, TSB15, ZJS10, ZJ11, ZPL⁺²⁰, ABS⁺¹², CJ14b, CA11, ERGK21, GGTG⁺²⁰, GJ17, KT14, LBGR08, LMC⁺¹¹, MFA⁺¹³, WDH⁺⁰⁹]. **Low-Cost** [LNL19, LBGR08]. **low-latency** [CA11]. **Low-overhead** [EFRB22, Tah09]. **Low-Power** [GBLD15, GLMG⁺¹⁵, KHR⁺¹⁵, KR18, PRG⁺¹⁵, PSL⁺¹⁹, QGW20, RMW⁺¹⁷, SGR⁺¹², AHHS21, BS20, MMJ09, SM19, ZJS10, ABS⁺¹², KT14, LBGR08, LMC⁺¹¹, WDH⁺⁰⁹]. **Low-Rank** [HHD⁺²³]. **Low-Swing** [SSF⁺¹⁵]. **LTPS** [LBGR08].

Machine [ABM21, BWL⁺²¹, CQL21a, CQL21b, DCSA22, GCC⁺²³, GGTG⁺²⁰, HON21, KPPB17, KRG⁺²³, KPFM16, LGYC21, MEHT21, MS19, Rez23, SCLW19b, SCLW19a, YP17]. **Machine-Learning** [KPFM16]. **Machines** [MDS21, NPS⁺²⁰]. **Magnetic** [ATW⁺²², LBJ⁺¹⁶, VDB⁺¹⁶, XZR⁺²², AKW⁺¹³, DK09]. **Main** [YBKB19, YXD⁺¹⁷]. **majority** [HMS⁺⁰⁵]. **majority-like** [HMS⁺⁰⁵]. **Making** [AGD⁺²⁰]. **Management** [CMK⁺²¹, DJH⁺¹⁹, HTMH18, LHW⁺¹⁷, LHHZ19, PHS⁺¹⁵, PRG⁺¹⁵, SHB⁺²¹, ZJ11, FRB08, GMM12, MP10, MCT10]. **manager** [AMVG12]. **Managing** [NPH18]. **Manufacturing** [CZW⁺¹⁹, MRG22]. **Manufacturing-Based** [CZW⁺¹⁹]. **Many** [DMYT15, KDMT22, KPFM16]. **Many-Core** [DMYT15, KDMT22, KPFM16, Rez23]. **Manycore** [CMK⁺²¹, CRKP22, HM21]. **Manycores** [PHS⁺¹⁵]. **Map** [RMG15]. **Mapping** [FC18, GCO⁺¹¹, GUP11, MZZ23, ZMT13]. **March** [SN10]. **Markov** [GD12, KR18]. **Matching** [RDH14]. **MATE** [PHS⁺¹⁵]. **materials** [BPH⁺¹¹]. **Matrix** [DD14, GCO⁺¹¹, GUP11]. **Maximum** [KAKSP14]. **means** [VOB19]. **Measure** [BS15]. **Measures** [HON21]. **mechanical** [LWH14, WCSA10]. **Mechanism** [MRG22, RSD23b]. **Mechanisms** [LBB⁺¹⁸]. **MEDA** [HRR19]. **MEDA-based** [HRR19]. **Medical** [SLCJ22]. **Medium** [RSD23b]. **Memcapacitive** [TT21]. **Memories** [CCWCC15, HH11, KWC⁺²⁰, LBJ⁺¹⁶, SBT20, SCZ⁺¹², YYPK17, GRS05, RYT⁺⁰⁷]. **Memory** [AIK21, ANT22, DK21, GNY⁺²², GLMG⁺¹⁵, GG17, GIS⁺²², HTMH18, HVB22, HFLZ22, HC15, HHD⁺²³, IASK20, JRJ22, KPPB17, KHR⁺¹⁵, KKKK18, KMS⁺²⁰, KKK22, KHC⁺²², LKK⁺²², LHHZ19, LML⁺¹⁹, LH20, LFDS22, LYWW13, MDS21, MRR12,

MSB⁺²², Mit17, NYL⁺²⁰, NHL⁺¹⁷, PHS⁺¹⁵, PAF18, RMW⁺¹⁷, RCYB22, SMR23, SBZT20, SBR19, TT20, WWZ⁺²², WDW13, WRWW17, WHB⁺²¹, WZL16, WL22b, YYPK17, YYBK19, YXD⁺¹⁷, ZSPC19, ABS⁺¹², AKW⁺¹³, CSKM13, KMC⁺²², KSG14, PR13, SKRX13, TCSV09, VMNI08, WYZ⁺²⁰, ZLB⁺²², ZJS09a]. **Memory-bound** [KHC⁺²²]. **Memory-Centric** [KPPB17, NYL⁺²⁰, GNY⁺²²]. **Memory-Efficient** [HHD⁺²³]. **Memory-Storage** [YYPK17]. **Memristive** [ASB⁺²¹, ANT22, CZQK15, GLMG⁺¹⁵, KZL15, MRR12, NAY24, SAAR20, TT20, UMB⁺¹⁸, WKL16, YW13, ZJK22, ZK18]. **Memristor** [ASP⁺¹⁸, BYHT18, MZZ23, QGW20, ZLB⁺²², dLBHC22]. **Memristor-Based** [BYHT18, QGW20, ZLB⁺²²]. **Memristor-CMOS** [ASP⁺¹⁸]. **Memristors** [CHA20]. **mesh** [EWKNW07]. **meshless** [KTW08]. **Metamaterial** [NVW⁺²²]. **Metamaterial-enabled** [NVW⁺²²]. **Method** [BBB⁺¹⁶, DDP20, DLL⁺¹⁹, GCO⁺¹¹, MZZ23, PP21, XYM18, YYBK19, ZSXY11, MHM⁺⁰⁸]. **Methodology** [AHHS21, CMJ14, CH14, MLW⁺²³, CB09]. **Methods** [CZQK15, TSMCB17, CCTP08]. **metric** [SMR⁺¹²]. **Metrics** [HSZM17]. **MFNW** [AM18]. **MiC** [LCY19]. **Micro** [ABM21, ZLGL21]. **Micro-Architectural** [ABM21]. **Micro-ring** [ZLGL21]. **Microarchitectural** [GOGCK11]. **microarchitecture** [MLK⁺⁰⁸]. **microarchitectures** [XCF08]. **Microarrays** [SKB13]. **Microdevices** [VMV13]. **Microfluidic** [BMB18, GCB14, HD14, LBB⁺¹⁸, MPM13, OGB18, DJRM09, DDM⁺⁰⁶, RMBC12, RBGC14, SC08, XHSC07, XC08, YYC07, ZXC10]. **Microfluidics** [GHHW19, CZ05, SC06]. **microfluidics-based** [CZ05, SC06]. **Microscope** [ATW⁺²²]. **Migration** [AIK21, IASK20]. **Millimeter** [MKW⁺¹⁴, KK12]. **Millimeter-Wave** [MKW⁺¹⁴]. **Million** [AVK16]. **Million-Qubit** [AVK16]. **Minimization** [CCH16, LJL18]. **Minimum** [LCSP14]. **MINLP** [BM15]. **Mitigate** [ZH20]. **Mitigation** [NLK⁺¹³, WYZ⁺²⁰, ZLGL21]. **Mitigations** [ASK23]. **Mixed** [DRL⁺¹⁹, LPM⁺¹⁹]. **Mixed-Criticality** [DRL⁺¹⁹]. **mixing** [RBGC14]. **MLC** [AM18, LHW⁺¹⁷]. **MLC/TLC** [AM18]. **MN** [PHS⁺¹⁵]. **MN-MATE** [PHS⁺¹⁵]. **MNEMOSENE** [ZLB⁺²²]. **mNoC** [PDL15]. **Mobile** [TWLL19, TSMCB17, YYPK17, WDH⁺⁰⁹]. **Mode** [BSS16, PAF18]. **Model** [BM15, CCWCC15, FYJ⁺¹⁷, FCR23, MZR⁺¹⁴, MMD⁺²⁰, REL⁺²², WHL⁺²¹, DLWW08, MHL08, MTC⁺⁰⁸, ZC07]. **Modeling** [FMW⁺²², KBC⁺²³, LYEK22, LTKP16, MN06, SSN12, SCT⁺²², TGCJ16, TKBM12, ZM22, ZF15, KCC⁺¹⁴, KSG14, PFOL07]. **Models** [ASMK22, KMS⁺²⁰, KCD15, KKNM22, MHW14, WJWM23, FRB08]. **Modern** [MPZ21]. **Modular** [FKM22, MHW14]. **Modularization** [FHF14]. **Modulation** [MGK18, NVW⁺²²]. **Modulator** [LZCX22]. **Module** [MPM13, LCJ14, ZS08]. **Module-Based** [MPM13]. **Modules** [TGCJ16]. **Molecular** [AGR⁺²³, CNHL08, DPB11, GPW⁺¹⁵, PDL15, SCT⁺²², WDW13, KSG14, KTW08, MHL08, RYT⁺⁰⁷]. **Molecular-Spin-Qubit** [SCT⁺²²]. **Monitoring** [AUDS22, EFRB22, MGS⁺¹²]. **Monolayer** [RMW⁺¹⁷]. **Monolithic** [CKC⁺¹⁸, CMK⁺²¹, CBK⁺²², KKC17, LKK⁺²², TTS22, ZCB⁺²², BCT⁺¹³, XDX14]. **MOS** [KZW⁺¹⁵]. **Motion** [MGMU22]. **MRAM** [AKW⁺¹³, DSB16, NLW⁺²⁰, PAF18, SFD17, SMT21, STSG17, VDB⁺¹⁶, ZCDD19].

MRAM-Based [VDB⁺16, ZCDD19]. **MRAMs** [MFA⁺13, PFRR17]. **MTJ** [MS19, MS20]. **MTJ-based** [MS20]. **Muller** [LJ14]. **Multi** [BRZ21, CMZR23, DJH⁺19, DRL⁺19, LLSO17, LLX⁺18b, LCY19, PRG⁺15, Rez23, XZL⁺21, LM13]. **Multi-Abstraction-Level** [DRL⁺19]. **Multi-core** [DJH⁺19]. **Multi-Cycle-Consistent** [XZL⁺21]. **Multi-FPGA** [BRZ21]. **Multi-Layer** [LLSO17]. **Multi-level** [LCY19]. **Multi-Level-Optimization** [LLX⁺18b]. **multi-peak** [LM13]. **Multi-Processors** [PRG⁺15]. **Multi-tenant** [CMZR23]. **Multi/Many** [Rez23]. **Multi/Many-Core** [Rez23]. **Multicast** [CDP17, VOB19]. **Multicast-Enabled** [CDP17]. **Multichannel** [KRP⁺21]. **multicomputer** [VMNI08]. **Multicore** [CDP17, HAV⁺22, PCD⁺11, WXW⁺17, ZMC15, KWFH12, SLS⁺14]. **multidiscipline** [Moh12]. **Multilayer** [HC15, MHM⁺08, BPH⁺11]. **Multilevel** [KST⁺22, MRR12, VSRR15, CWL⁺13, FGZ14]. **Multiparameter** [CJ16, GJ17]. **Multipath** [RNN⁺22]. **Multiple** [DDM⁺06, FMTP22, HZSA14, MMJ09]. **Multiple-Controlled** [HZSA14]. **Multiplexing** [XLL⁺18]. **Multiplication** [CRSSBMR21, ERGK21, GP17, HYA⁺20]. **Multiplication-less** [HYA⁺20]. **Multiplications** [GZZ⁺21]. **Multiplier** [GZZ⁺21, LNL19, LQYL19]. **Multipliers** [Mog14, SVA⁺18]. **Multiprocessor** [YXW⁺12, CJ14b, GMM12, LWX⁺14]. **multiprocessors** [BPH⁺11, CA11]. **multiPULPly** [ERGK21]. **Multistate** [KHR⁺15]. **multiwalled** [SXL⁺12]. **MV** [TWLL19]. **MV-Net** [TWLL19]. **mVLSI** [CKB20]. **mW** [WOW⁺10]. **MWSR** [HAV⁺22]. **MWSR/R** [HAV⁺22]. **MWSR/R-SWMR** [HAV⁺22].

N [AM18]. **NANA** [PDLS06]. **Nano** [GKT⁺18, YLF⁺17, CB09, LDL10, MP10, PDLS06, SCI⁺09, ZMT13, ZJS10, ZC07, MRR12, ZJS09c, ZJS09a, ZJS09b]. **nano-architectures** [ZMT13]. **nano-CMOS** [MP10, SCI⁺09, ZC07]. **Nano-Oscillator-Based** [YLF⁺17]. **Nano-Oscillators** [GKT⁺18]. **nano-scale** [LDL10, PDLS06]. **nano/CMOS** [ZJS10, ZJS09c, ZJS09a, ZJS09b]. **NANOARCH** [Bah09]. **NANOARCH07** [Shu09]. **NANOARCH'09** [DR11]. **nanoarchitectures** [Tah06, Tah09]. **Nanoarray** [FGZ14, GRS05]. **Nanocavities** [EDCL⁺22]. **Nanocomputing** [AGR⁺23, WWG⁺19, WWJ09]. **Nanocrossbar** [GUP11]. **Nanodevice** [GCO⁺11, WZSC09]. **Nanodevice-Based** [GCO⁺11]. **Nanodevices** [CZQK15]. **Nanoelectronic** [LZBW20, TSMCB17, YL14]. **nanofabrics** [DMR06]. **Nanoelectronic** [ZLWB20]. **Nanomagnet** [CNH12]. **Nanomagnetic** [VGZ11]. **nanometer** [CCTP08]. **nanometer-scale** [CCTP08]. **Nanophotonic** [BS20, ISI⁺18, LLSO17, LKL⁺18, NPA⁺12, PDL15, XYM18, LMC⁺11, SX11]. **Nanopipelined** [PT14b]. **Nanoribbon** [HC15, KHR⁺15]. **Nanoribbon-CMOS** [KHR⁺15]. **Nanoribbons** [DDP20]. **Nanoscale** [BOAC⁺20, JRC⁺13, NLK⁺13, Shu09, CQZK14, EWKNW07, Nar05, RT07, RT08, WZSC09]. **nanosttructures** [HYWA09]. **nanosystem** [TWL09]. **Nanotechnology** [KBM21]. **Nanotube** [GRPT13, HC15, LKK⁺22, DLWW08, HZY⁺12, MN06, SXL⁺12]. **Nanotube-Based** [GRPT13, MN06]. **Nanowire** [Deh05, RKM15]. **Nanowire-based** [Deh05]. **nanowires** [SRD⁺06]. **Navigating** [CTT⁺20]. **NBTI** [KCC⁺14, LSH14, SLS⁺14, YWH⁺13]. **NBTI-aware** [YWH⁺13]. **Near** [DK21, GVERR17, KXY16, Mit16, NPA⁺12,

ORC⁺²⁴, SCL17, TNWD20]. **Near-**
 [GVERR17]. **Near-Field** [NPA⁺¹²].
Near-Memory [DK21]. **Near-storage**
 [ORC⁺²⁴]. **Near-Threshold**
 [Mit16, SCL17]. **negative** [KCC⁺¹⁴].
NEMS [HN12]. **Neoteric** [SMR23]. **net**
 [BPB⁺¹², HYA⁺²⁰, TWLL19, WL22a].
net-zero [BPB⁺¹²]. **Nets** [DRG21].
Network
 [ABR⁺²¹, ASK23, ACM⁺²⁰, BS21, BKJ19,
 Bis17, Bis21, CMM⁺¹⁸, CDP17, CCWCC15,
 DJ16, GMGA23, GCTF20, HFLZ22, HM21,
 IGGR19, KKKK18, KKK22, LDK⁺¹⁸,
 LQYL19, LLX^{+18b}, MZZ23, MKMS22,
 MSCS19, MCH22, MGST22, MSC⁺²¹,
 OK22, PDL15, PHS⁺²³, PAP⁺²², RDS24,
 VK18, VSM19, WL19, XYM18, YMWH21,
 ZBF⁺²², ZSPC19, BPH⁺¹¹, CDG⁺¹²,
 LMC⁺¹¹, PDLS06, PT14b, WVGP13,
 ZFT13, YXW⁺¹²]. **Network-based**
 [ABR⁺²¹]. **network-enabled** [WVGP13].
Network-on-Chip
 [ASK23, BS21, BKJ19, Bis17, Bis21,
 CMM⁺¹⁸, DJ16, GMGA23, LDK⁺¹⁸,
 MSCS19, PDL15, VK18, VSM19, ACM⁺²⁰,
 BPH⁺¹¹, CDG⁺¹², WVGP13, YXW⁺¹²].
Network-on-chips [PHS⁺²³]. **Networks**
 [AHS17, BS20, VRBS16, BRZ21, BHL19,
 BVM⁺¹⁹, CKC⁺¹⁸, CQZ⁺²¹, CTP14, DK21,
 Dea14, DEW⁺²³, ERGK21, FNO⁺¹⁹,
 JCK23, KST⁺²², KRP⁺²¹, KCD15,
 KMC⁺²², LPB⁺¹⁵, LZXL22, LLX^{+18a},
 LNL19, LDP⁺²⁰, LJL18, LPM⁺¹⁹, MS20,
 NAY24, ORC⁺²⁴, PJSM17, PSL⁺¹⁹,
 PSY⁺¹⁸, Rez23, RBHG21, RBG⁺²²,
 SBZT20, SM19, SPR18, TZR20, TT21,
 XLW⁺¹⁸, XZL⁺²¹, ZCDD19, ZH20, GD12,
 LJ10, LDL10, LWX⁺¹⁴, XPD12].
Networks-on-Chip
 [VRBS16, CTP14, FNO⁺¹⁹, KST⁺²², Rez23].
Neural [ABR⁺²¹, AHS17, BRZ21, BHL19,
 BVM⁺¹⁹, CKC⁺¹⁸, CThG15, CQZ⁺²¹,
 CCWCC15, DK21, DEW⁺²³, ERGK21,
 HFLZ22, HM21, IGGR19, JCK23, KRP⁺²¹,
 KKKK18, KKK22, KCD15, KMC⁺²²,
 LZXL22, LLX^{+18a}, LNL19, LQYL19,
 LDP⁺²⁰, LLX^{+18b}, LJL18, LYL19,
 LPM⁺¹⁹, MZZ23, MS20, MSC⁺²¹, NAY24,
 ORC⁺²⁴, OK22, PAP⁺²², PSL⁺¹⁹,
 RBG⁺²², SBZT20, SVA⁺¹⁸, SM19, SPR18,
 WL19, XLW⁺¹⁸, YMWH21, ZH20, ZBF⁺²²].
Neuro [CZQK15, CQZK14].
Neuro-Inspired [CZQK15, CQZK14].
Neuroevolution [AAO21].
Neuroevolutionary [SMR⁺²¹].
Neurogenesis [ZK19]. **Neuromemristive**
 [ZK19]. **Neuromemristive** [KSA⁺²²].
Neuromorphic
 [ASB⁺²¹, AMH⁺²⁴, Ano18, AMF⁺¹⁵,
 BOAC⁺²⁰, HN15, JRJ22, KZL15, KCD15,
 MKSW17, PSY⁺¹⁸, RMG15, SAAR20,
 SHB⁺²¹, SPR18, WKL16, ZWL⁺¹⁵].
Neuron [HIH18]. **Neurons**
 [VOB19, ZCDD19]. **Neutral** [LPB⁺¹⁵].
Next [GFZ13, KK23, XCS⁺¹⁹].
Next-Generation [KK23, XCS⁺¹⁹]. **NFIC**
 [AGD⁺²⁰]. **NML** [DNHL11]. **NN**
 [ASMK22]. **NN-Lock** [ASMK22]. **NoC**
 [ACJ17, AGD⁺²⁰, DRL⁺¹⁹, HAV⁺²²,
 KYEB15, MKW⁺¹⁴, VOB19, ZF15].
NoC-Based [ZF15]. **NoCArc** [GMGA23].
NoCs [FC18, GB18, LKC15, LCK19,
 RSD23b, SHAC19, ZY18, ZLGL21]. **Node**
 [PHS⁺¹⁵, GGTG⁺²⁰, YWH⁺¹³]. **Nodes**
 [GVERR17, LWM⁺¹⁴, TGCJ16]. **Noise**
 [CLZ⁺²²]. **Noise-Tolerant** [CLZ⁺²²].
Noisy [DDG⁺²², SCT⁺²²]. **Non**
 [GKT⁺¹⁸, MCT18, RCYB22, STSG17,
 WL22b, YYPK17, YXD⁺¹⁷, ZPL⁺²⁰].
Non-Boolean [GKT⁺¹⁸]. **Non-Restoring**
 [MCT18]. **Non-Volatile** [STSG17, WL22b,
 YYPK17, YXD⁺¹⁷, ZPL⁺²⁰, RCYB22].
Nonhierarchical [PPM⁺¹³]. **Noninvasive**
 [TFR23]. **Nonlinear** [KKKK18].
Nonvolatile
 [HC15, LBJ⁺¹⁶, SCZ⁺¹², SKRX13].
NORM [RCYB22]. **Note** [WWG⁺¹⁹].
Novel [DJ16, FCR23, JDPH⁺²³, LH20,

MGMU22, SKB13, TZS14, ZSXY11, RT08]. **NP** [WWG⁺19]. **NP-complete** [WWG⁺19]. **NTC** [CV12]. **NTRU** [CRSSBMR21]. **NUCA** [PAB⁺17]. **Number** [HH11, LTKP16, WL19]. **Numbers** [GIS⁺22]. **NxTF** [RBG⁺22].

Obfuscation [CZW⁺19, GCTF20]. **Object** [KBC⁺23]. **Objectives** [DWK⁺16]. **Observing** [TGCJ16]. **OFDM** [GLL⁺21a]. **Off** [KK23, FSDT23, ZFT13]. **Off-Chip** [KK23, WXW⁺17, ZFT13]. **Offline** [LKL⁺18, MT14]. **offs** [CDG⁺12]. **Oligo** [VTKT22]. **On-Chip** [CLKG17, CZQK15, CKC⁺18, KDMT22, KK23, LWM⁺14, LWY22, SCLW19a, TZS14, XYM18, CLSD18, CWL⁺13, KMC⁺22, LWX⁺14, SCLW19b, CA11, LMC⁺11]. **On-Device** [ZK19]. **on-node** [GGTG⁺20]. **On-the-fly** [IASK20]. **On/Off** [WXW⁺17]. **On/Off-Chip** [WXW⁺17]. **One** [HSZM17, WRWW17]. **One-Step** [WRWW17]. **One-Way** [HSZM17]. **Online** [AUDS22, LJL18, ZPL⁺20]. **Open** [BBR⁺23, FCR23]. **OpenQL** [KAS⁺22]. **Operation** [MPM13]. **Operations** [CVK15]. **Optical** [BPS19, VRBS16, DWK⁺16, GB18, HAV⁺22, JDPH⁺23, NPA⁺12, PAB⁺17, RDM⁺21, XLL⁺18, YLR⁺23, YXW⁺12, ZY18, ZLGL21, CA11, EDCL⁺22]. **Optical-Electrical** [YLR⁺23]. **Optical-Electronic** [YXW⁺12]. **Optimization** [DKK⁺15, DWK⁺16, LDK⁺18, LLX⁺18b, LCY19, LKL⁺18, NLW⁺20, PFRR17, Rez23, TGCJ16, YJ18, ZY18, ZGSA15, DLWW08, KKY⁺20, LWH14, WFCX09, ZJS09c]. **Optimizations** [SBR19, CWL⁺13]. **Optimize** [DJ16]. **Optimized** [CRSSBMR21, CCWCC15, KKKK18, MS17, MCT18, ON15, WGY21, WL22b]. **Optimizing** [WL22a, TR10]. **Optoelectronic** [PAP⁺22]. **Oracle** [GCJ17]. **Order** [CKWK18]. **Ordering** [WGY21]. **Organizing** [DK09, RMG15, LDL10, PDL07]. **oriented** [AHS22]. **Oscillation** [MSB⁺22]. **Oscillation-Based** [MSB⁺22]. **Oscillator** [FYJ⁺17, HON21, YLF⁺17, SXL⁺12, ZFT13]. **Oscillator-Based** [FYJ⁺17]. **Oscillators** [GKT⁺18]. **Outlook** [BWL⁺21]. **Outperforming** [LLX⁺18a]. **outputs** [TR10]. **Overhead** [LTM22, SLC⁺17, ZJ11, ZPL⁺20, EFRB22, Tah09]. **Overlay** [PAB⁺17]. **Overview** [HML⁺23].

p [DPB11]. **p-QCA** [DPB11]. **Packet** [BYHT18]. **Packets** [Bis17]. **Page** [AIK21, IASK20, KXY16]. **PANE** [VSM19]. **Papers** [SN10]. **paradigm** [LBGR08, WZSC09]. **Parallel** [BAT⁺22, Dea14, FSD22, ISI⁺18, DJRM09, STA⁺12]. **Parallelism** [DK21, JOF⁺15, GN08]. **parameter** [RYT⁺07]. **Parameterized** [REL⁺22]. **Parametric** [FRB08]. **Parasitic** [ZH20]. **Parasitics** [KCWL⁺16]. **Part** [CQL21a, CQL21b, SCLW19a, LZBW20, ZJS09c, ZJS09b, ZLWB20]. **Partial** [KKK22, LKC15, MEHT21]. **Partial-Sum** [KKK22]. **Partially** [AGD⁺20]. **Parties** [FMTP22]. **Partitioning** [LRN05, PP21]. **Passive** [GSC17]. **Path** [Bis21, CKWK18, GB18, VAK18, WRWW17, CWT14, ZXC10]. **Path-based** [Bis21]. **Path-Setup** [GB18]. **Pathology** [CLZ⁺22]. **paths** [ANR⁺14]. **Pattern** [HSZM17, NLW⁺20]. **Pauli** [HZSA14]. **PCA** [AHPC21]. **PCB** [JDPH⁺23, KBC⁺23, MLP⁺20]. **PCM** [KXY16, LHW⁺17]. **peak** [LM13]. **PEAL** [AHHS21]. **Peres** [DJ08]. **Performance** [AVK16, AHS22, ASP⁺18, BSS16, BH17, CDG⁺12, CKC⁺18, CJ16, CRKP22, DNHL11, HTMH18, KDMT22, LYWW13, MKW⁺14, ON15, PSY⁺18, RBHG21, SCL17, VAK18, VOB19, YWF18, Bea11, BPH⁺11, DLWW08, HRR19, LMC⁺11, LML⁺19, LCT12, MN06, PFOL07, RT07,

STA⁺¹², WWJ09, SM11].
performance-aware [STA⁺¹²].
Performance-Temperature [HTMH18].
Permutation [GCTF20]. **Persistent**
 [KMS⁺²⁰, LHHZ19, LH20, WL22b].
Perspective [RSBA23]. **Perspectives**
 [BWL⁺²¹, TTS22]. **Phase** [FYJ⁺¹⁷,
 RNN⁺²², SMT⁺¹⁷, WZL16, JRC⁺¹³].
Phase-Based [RNN⁺²²]. **Phase-Change**
 [WZL16]. **Photonic**
 [ACJ17, BS21, BPH⁺¹¹, CDP17, DEW⁺²³,
 EDCL⁺²², FC18, KST⁺²², VK18].
Photonics
 [DCP⁺²¹, STNP21, XNK18, Bea11].
Photonics-Based [DCP⁺²¹]. **Physical**
 [DCSA22, LBB⁺¹⁸, NVW⁺²², TMG⁺²¹,
 UMB⁺¹⁸, BCT⁺¹³, HZY⁺¹²]. **Physically**
 [LTM22]. **PicoServer** [KSB⁺⁰⁸].
Piezoelectric [RFDT15]. **pillar** [MFA⁺¹³].
PIM [REL⁺²²]. **Pin** [WXW⁺¹⁷, XHSC07].
pin-constrained [XHSC07]. **Pipeline**
 [SM11]. **Piracy** [SMZ⁺¹⁹]. **PLA** [CNH12].
Placement
 [BM15, VRBS16, BKJ19, CKB20, LWH14,
 RHB⁺²⁰, WWG⁺¹⁹, YYC07, LRN05].
plane [LDZ22]. **PLAs** [CHN09]. **Plasticity**
 [AMF⁺¹⁵, LYL19, WLJC21]. **Platform**
 [ZM22]. **Pluggable** [VSM19]. **Point**
 [LYWW13, NV14]. **Pointing** [LBJ⁺¹⁶].
Points [AUDS22]. **Polarity** [MGZ⁺¹⁷].
Policies [AIK21, ON15]. **Polyhedral**
 [HFLZ22]. **Polyhedral-Based** [HFLZ22].
Polynomial [CRSSBMR21]. **Polynomials**
 [LP17]. **Pooling** [ZMC15]. **portability**
 [GN08]. **Portable** [KAS⁺²²]. **Post**
 [CKA23, GCC⁺²³, MRG22, XS14].
post-bond [XS14]. **Post-Manufacturing**
 [MRG22]. **Post-processing** [GCC⁺²³].
Post-quantum [CKA23]. **Potential**
 [SJKS20]. **Power** [BS21, CKC⁺¹⁸,
 CMK⁺²¹, Che15, DJH⁺¹⁹, FC18, GBLD15,
 GLMG⁺¹⁵, HN12, JRLR15, KZW⁺¹⁵,
 KHR⁺¹⁵, KR18, LBJ⁺¹⁶, LHW⁺¹⁷, LTO22,
 LWM⁺¹⁴, LKL⁺¹⁸, MGS⁺¹², MGST22,
 MSC⁺²¹, PRG⁺¹⁵, PSL⁺¹⁹, QGW20,
 RMW⁺¹⁷, STSG17, SGR⁺¹², TGCJ16,
 TW22, TSB15, WXW⁺¹⁷, ZJ11, ZSXY11,
 ZY18, ZGSA15, ZF15, ABS⁺¹², ANR⁺¹⁴,
 AHHS21, BS20, ERGK21, GMM12,
 GGTG⁺²⁰, KT14, KK12, LJ10, LBGR08,
 LMC⁺¹¹, MMJ09, MP10, MFA⁺¹³, SM19,
 WDH⁺⁰⁹, XDX14, ZS08, ZJS10, ZFT13].
Power-based [LTO22]. **Power-efficient**
 [BS21, MSC⁺²¹, ANR⁺¹⁴]. **Power-Gating**
 [HN12, ZF15]. **Power-Utility-Driven**
 [LHW⁺¹⁷]. **Powered**
 [JRLR15, ZPL⁺²⁰, WCSA10]. **Powerful**
 [VMV13]. **PPU** [GYM⁺¹⁷]. **Practical**
 [HAV⁺²²]. **Pre** [FSDT23, XS14]. **pre-bond**
 [XS14]. **Pre-silicon** [FSDT23]. **Precise**
 [WDG⁺²⁰]. **Precision** [HM21, LWY22].
Predict [BS20]. **Prediction** [MKS17].
Predictions [SMT21]. **Predictive**
 [DKK⁺¹⁵, ZC07]. **Prefetching** [YYBK19].
Pressure [MGS⁺¹²]. **Prevent** [ASMK22].
Prevention [MLP⁺²⁰]. **Primitive**
 [GRPT13]. **Primitives**
 [ABR⁺²¹, BSY⁺¹⁶, HMS⁺⁰⁵]. **Principal**
 [AHPC21]. **Printed** [PB21, RHB⁺²⁰].
Privacy [FMTP22]. **Proactive** [PRG⁺¹⁵].
Probabilistic
 [AHHS21, KSG14, ZCDD19, KT14].
Probability [VAK18]. **Probes** [SKB13].
Probing [RDM⁺²¹]. **problem**
 [EWKNW07]. **Problems** [AAO21]. **Process**
 [CMK⁺²¹, GPW⁺¹⁵, KAKSP14, LKK⁺²²,
 MGK18, SCL17, XYM18, ZM22, XPD12].
Process-Variation-Tolerant [XYM18].
Processing
 [AL17, BH17, CLZ⁺²², KWG⁺²⁰, KHC⁺²²,
 MGMU22, XYJ⁺²¹, XCS⁺¹⁹, dLBHC22,
 GCC⁺²³, Gla14, KT14, LM13].
processing-in-wire [Gla14]. **Processor**
 [GKT⁺¹⁸, GYM⁺¹⁷, KRP⁺²¹, KZL15,
 Mit17, STSG17, WXW⁺¹⁷, YJ18].
Processors
 [HAV⁺²², KAKSP14, KAB⁺²¹, PRG⁺¹⁵,
 SLC⁺¹⁷, WKL16, ZMC15, ZWL⁺¹⁵].

productivity [SMR⁺¹²]. **Products** [TFZ⁺²¹]. **Profiled** [RBHG21]. **Programmable** [AMF⁺¹⁵, DPB11, Deh05, WDH⁺⁰⁹]. **Programming** [CD22, KAS⁺²², KMS⁺²⁰]. **Programs** [WWC23]. **Project** [TMM⁺⁰⁷]. **Projection** [DLTSNA20]. **Promises** [YW13]. **Property** [Bis21]. **Prospect** [PFOL07]. **Prosthesis** [SSN12]. **Protecting** [LCK19]. **Protection** [Bis21]. **Protein** [PPM⁺¹³]. **Protocol** [RDS24, YWF18]. **Protocols** [BBR⁺²³]. **PROTON** [VRBS16]. **Provide** [SLC⁺¹⁷]. **Providing** [KMS⁺²⁰]. **ProWATCH** [PRG⁺¹⁵]. **Pruning** [AHS17]. **PUF** [AHPC21, DSB16, FMTP22, KT20, LYEK22, MKMS22, RDS24, TMG⁺²¹, VDB⁺¹⁶, XZR⁺²²]. **PUF-based** [LYEK22]. **PUF-Cash** [FMTP22]. **PUFs** [AHS22, HON21, IGR⁺¹⁶]. **PVFS** [JOF⁺¹⁵]. **PVT** [CMJ14, CJ14a, CJ15, TGCJ16, YJ18].

QCA [CNHL08, CHN09, DPB11, DK09, Gla14, GPW⁺¹⁵, HMS⁺⁰⁵, LRN05, MHL08, OSLT06, SWJ07, SDSS14, TCSV09]. **QCA-based** [CHN09]. **QCOR** [MMD⁺²⁰]. **QLib** [LCJ14]. **QPSK** [LZCX22]. **Quality** [AHPC21, MEHT21]. **Quality-assured** [MEHT21]. **Quantifying** [HLS14, NPH18]. **Quantitative** [SPS⁺²⁴]. **Quantization** [CQZ⁺²¹, KKK22, XLW⁺¹⁸]. **Quantized** [LNL19]. **Quantum** [AUDS22, AVK16, AHSZ16, ATW⁺²², BM15, BH17, CD22, CVK15, CV11, DD14, DPB11, GCJ17, HZSA14, HSZM17, KAS⁺²², LCSP14, LCJ14, MMD⁺²⁰, MCT18, NV14, PSY⁺¹⁸, RDH14, SCT⁺²², ST20, TNWD20, VAK18, WD22, CKA23, CV12, DWL10, MTC⁺⁰⁸, TR10, VO06, VMNI08, WDH⁺⁰⁹]. **Quantum-Classical** [MMD⁺²⁰]. **Quantum-Dot** [DPB11, TNWD20, DWL10]. **Quantum-Logic** [AHSZ16]. **Quasi** [LZCX22]. **Quasi-digital** [LZCX22]. **Quaternary** [SJKS20]. **Qubit** [AVK16, MCT18, NPS⁺²⁰, SCT⁺²²]. **QuickRecall** [JRLR15]. **Quit** [WGY21]. **QuTiBench** [BHL19].

R-SWMMR [HAV⁺²²]. **Racetrack** [KWC⁺²⁰]. **Radial** [SRD⁺⁰⁶]. **Radio** [CFK22, EFRB22]. **Radio-Frequency** [CFK22]. **Radix** [GUP11]. **Rail** [DLTSNA20]. **RAM** [CWL⁺¹³, LPW18, RKM15, ZCX⁺¹⁷]. **Ramifications** [JMKM21]. **Random** [KR18, LTKP16, LBJ⁺¹⁶, MPZ21, AKW⁺¹³, CSKM13, SWJ07]. **Randomized** [SHAC19]. **Randomly** [CThG15]. **Ranging** [RNN⁺²²]. **Rank** [HHD⁺²³]. **Rate** [QGW20]. **Ray** [KBC⁺²³]. **RCG** [ZBF⁺²²]. **Read** [WRWW17, ZCX⁺¹⁷]. **Real** [DRL⁺¹⁹, GSC17, JWJ⁺¹⁷, KR18, KPFM16, SPS⁺²⁴, SM19, TWLL19, ZBF⁺²², LWX⁺¹⁴]. **Real-Time** [DRL⁺¹⁹, GSC17, JWJ⁺¹⁷, KR18, KPFM16, TWLL19, SM19, ZBF⁺²², LWX⁺¹⁴]. **Realization** [BSL⁺¹⁸, PP21]. **Realizing** [SDSS14]. **reasonable** [CNHL08]. **Recognition** [CKC⁺¹⁸, KSA⁺²², PSR17, TZR20]. **Reconciliation** [IASK20]. **Reconfigurable** [CEW⁺¹³, CCH16, CDP17, CNH12, GZZ⁺²¹, KPPB17, KZL15, NLL⁺¹⁷, VK18, WHL⁺²¹, EWKNW07, Sek07, SC06, Tah06, ZJS09a, ZJS09c, ZJS09b, ZJS10]. **Reconfiguration** [MEHT21]. **Reconstruction** [ZBF⁺²²]. **Recorder** [SCZ⁺¹²]. **Recovery** [KCC⁺¹⁴, Sek07, ZXC10]. **Recurrent** [LZXL22, LJJ18, SBZT20]. **Recycle** [BS20]. **REDELf** [LKC15]. **Redesign** [YXD⁺¹⁷]. **Reduced** [SGR⁺¹²]. **Reducing** [FC18, LBJ⁺¹⁶]. **reduction** [LSH14]. **Reductions** [MMAAK23]. **Redundancy** [ABR⁺²¹, WDW13, SC06, WWJ09]. **Redundant** [HH11]. **Reed** [LJ14].

Reference [AMH⁺24, MGK18]. **Reflection** [MGST22]. **ReG** [LDP⁺20]. **Register** [CZW⁺19, WX15, ZCX⁺17, TCSV09]. **Regular** [DDR⁺16b]. **Regularization** [YMW21]. **Regulators** [IBO22]. **Reinforcement** [AAO21, DJH⁺19, FMTP22]. **rejuvenation** [AMA⁺14, CNPR14, MNT14, ZJT⁺14]. **Relativistic** [MJ11]. **Release** [HLH⁺12]. **Release-on-Demand** [HLH⁺12]. **Reliability** [ANR⁺14, BAT⁺22, HCTK08, KYEB15, LYWW13, LBB⁺18, SHB⁺21, CWT14, DJH⁺19, DK09, Edi14, TMM⁺07]. **Reliable** [CKA23, KT20, XZR⁺22, McK07, WWJ09]. **Rematerialization** [SBR19]. **Repercussions** [SPS⁺24]. **Replacement** [ON15]. **replicating** [TMM⁺07]. **Representation** [BBR⁺23, WL19]. **ReRAM** [BOAC⁺20, FSD22, KKY⁺20, LKK⁺22, LDP⁺20, WL19]. **ReRAM-Based** [WL19, KKY⁺20, LDP⁺20]. **ReRAMs** [MSB⁺22]. **Research** [WWG⁺19]. **Reservoir** [BY18, LMM18]. **Residue** [HH11, PAP⁺22]. **Resilience** [ACM⁺20]. **Resiliency** [SFD17, WWZ⁺22]. **Resilient** [ALY⁺21, LCT12, LZX⁺21, OK22, RDM⁺21, RSD⁺23a]. **Resistance** [ZJ11, ZH20]. **Resistant** [VDK⁺21]. **Resistive** [BSL⁺18, DSB16, KKKK18, WRWW17, ZH20]. **resonant** [LM13]. **Resonator** [ZLGL21]. **Resource** [AVK16, NV14, OGB18, PHS⁺15, TZR20, TMG⁺21]. **Resource-Constrained** [OGB18, TMG⁺21]. **Resource-Efficient** [NV14, TZR20]. **Response** [CMJ14, MGST22]. **Restoring** [MCT18]. **Restricted** [YP17]. **Resulting** [SDSS14]. **Retail** [KK12]. **Rethinking** [WZL16]. **Retrieval** [BBB⁺16]. **Reuse** [CH14]. **Reverse** [BWL⁺21, CCW18, QCF⁺16]. **Reversible** [DRSR14, DBG⁺14, DDR⁺16b, DJ08, HM14, LCSP14, Mog14, NV14, SMZ⁺19, SZSS10, SDSS14, SSP14, SWK⁺16, WDT14, CW08, LJ14, PSM⁺06, TR10, TR13]. **Review** [JLL⁺17, PYSJ22]. **RF** [CFK22, BSS16]. **RF/Analog** [BSS16]. **RIMEP2** [HM14]. **Ring** [HON21, ZFT13, ZLGL21]. **Ripple** [MGZ⁺17, RSD⁺23a]. **Ripple-Carry** [MGZ⁺17]. **Ripple-less** [RSD⁺23a]. **RMDDS** [LJ14]. **RNNFast** [SBZT20]. **RNNs** [TFZ⁺21]. **RO** [AHPC21]. **RO-PUF** [AHPC21]. **Robust** [ASB⁺21, AMH⁺24, BMB18, CQZK14, GRPT13, GJ17, LZX⁺21, LDZ22, MGK18, NAY24, PPM⁺13, SAAR20, CB09, WVG13]. **Robustness** [BS15]. **Root** [MCT18]. **Router** [Bis17, DRL⁺19, KPFM16, CA11]. **Routing** [VRBS16, DDP⁺20, HRR19, LKC15, LDL10, MKW⁺14, PHS⁺23, RHB⁺20, VOB19, WWG⁺19, RT07, XC08]. **RRAM** [JRJ22, NHL⁺17]. **RRAMs** [FMW⁺22]. **RT** [ZBF⁺22]. **RT-RCG** [ZBF⁺22]. **RTL** [LDPPB21, WJWM23]. **Rule** [OBLD14]. **Rule-Based** [OBLD14]. **runtime** [GMM12]. **SaARSP** [LZXL22]. **SABER** [VDK⁺21]. **SAF** [MZZ23]. **Safety** [SPS⁺24]. **Sampling** [QGW20]. **Saviors** [ABM21]. **Scalable** [BPS19, BS21, Che15, DBS⁺21, GLL⁺21b, GB18, MT14]. **Scale** [KCD15, KWWI17, PDL15, Bea11, CCTP08, LDL10, LGYC21, PDL06]. **scaled** [LBGR08]. **Scaling** [BSS16, JOF⁺15, LYWW13, WCSA10]. **SCALPEL** [RD22]. **Scan** [RSBA23, WFCX09, HCTK08, XS14]. **Scan-based** [RSBA23]. **Scan-chain** [WFCX09]. **ScatterVerif** [MGST22]. **Scheduling** [BM15, MSCS19, OGB18, SM19, STA⁺12, ZJT⁺14]. **Scheme** [CHA20, GLMG⁺15, GB18, MKMS22, MGK18, MSC⁺21, WRWW17, XS14]. **Schemes** [NVW⁺22, SMR⁺21, GD12]. **SCKVdd** [Che15]. **Scoring** [AAF13]. **SCT** [RT08]. **Search** [ZBF⁺22]. **Searches** [MT14]. **Secret** [BBB⁺16]. **Section** [SCLW19b, Bah09, LC08, Moh12]. **Secure**

[ALY⁺21, CFK22, FKM22, MKMS22, RDS24, SK16]. **Securing** [EFRB22, PHS⁺23, RSBA23]. **Security** [AHS22, BSY⁺16, BGX⁺21, EDZ⁺23, FSdT23, FMP⁺21, GSC17, IGR⁺16, KRG⁺23, LTM22, LYEK22, MAC⁺21, MPR⁺22, NVW⁺22, PRV⁺20, PAC⁺22, RNN⁺22, SMR⁺21, WYZ⁺20, WJWM23]. **Segment** [KXY16]. **Segment-Based** [KXY16]. **Segmentation** [CLZ⁺22, MCH22, WL22a]. **Seizure** [SGR⁺12]. **Self** [CBK⁺22, Che15, DLL⁺19, IBO22, LCK19, MRG22, MGK18, RMG15, TMM⁺07, YYBK19, LDL10, PDL07, WCSA10]. **Self-aware** [DLL⁺19]. **Self-learnable** [YYBK19]. **Self-Organizing** [RMG15, LDL10, PDL07]. **Self-Protecting** [LCK19]. **Self-Reference** [MGK18]. **Self-replicating** [TMM⁺07]. **Self-Stabilized** [Che15]. **Self-Test** [CBK⁺22, MRG22, IBO22]. **self-timed** [WCSA10]. **Semantic** [JDPH⁺23]. **Semi** [ZK18]. **Semi-Trained** [ZK18]. **Sense** [SFD17]. **Sensing** [MGK18, ZLGL21]. **Sensitive** [ZY18]. **Sensitivity** [LDK⁺18, WDG⁺20]. **Sensitivity-based** [LDK⁺18]. **Sensor** [LPB⁺15, LWM⁺14, MKMS22, MGS⁺12, RDS24, GD12, LWX⁺14, WOW⁺10]. **Sensors** [GGTG⁺20]. **Separable** [HYA⁺20, KRP⁺21]. **Separation** [KR18]. **Sequence** [PPM⁺13]. **Sequences** [MT14]. **Sequential** [NLL⁺17, CW08, TR10]. **SerDes** [XLL⁺18]. **serial** [Gla14]. **Series** [MKSW17]. **server** [MNT14]. **servers** [ABS⁺12, KSB⁺08]. **Setup** [GB18]. **SFQ** [PP21]. **Share** [BS20]. **Shared** [HAV⁺22, PAB⁺17, VK18]. **Sharing** [CDP17, MKMS22, SSP14]. **SHARP** [VK18]. **Shielding** [ZCX⁺17]. **Shift** [VSRR15, TCSV09]. **Shift-Based** [VSRR15]. **shift-register-based** [TCSV09]. **shifter** [MP10]. **Short** [ZSPC19]. **Short-Term** [ZSPC19]. **ShuntFlowPlus** [GLL⁺21b]. **Si** [HCTK08, KAB⁺21]. **Side** [ABM21, ASK23, VDK⁺21, DDG⁺22, DCSA22, MLW⁺23, PYSJ22, PRV⁺20, RPBA21, RBHG21]. **Side-Channel** [ABM21, PRV⁺20, ASK23, DDG⁺22, DCSA22, MLW⁺23, RPBA21, RBHG21]. **Side-Channel-Resistant** [VDK⁺21]. **Sign** [FSdT23]. **Sign-off** [FSdT23]. **Signal** [LPM⁺19]. **Signaling** [KST⁺22]. **Signals** [YLR⁺23]. **Signature** [TW22, XZR⁺22]. **Signatures** [DDG⁺22]. **Signed** [GZZ⁺21]. **Silicon** [CDP17, KDMT22, MLW⁺23, STNP21, TZS14, XNK18, BPH⁺11, FSdT23]. **Silicon-correlated** [MLW⁺23]. **Silicon-Photonic** [CDP17]. **SILVerIn** [PB21]. **SIMD** [PDL07]. **Similarity** [KSA⁺22]. **Simple** [DDR⁺16b]. **Simplified** [FYJ⁺17]. **simplifying** [PSM⁺06]. **Simulated** [MPZ21]. **Simulation** [CJ14a, CJ15, FYJ⁺17, GHHW19, KKNM22, MLW⁺23, SWJ07, YLF⁺17, FGZ14]. **Simulation-based** [KKNM22]. **Simulator** [AVK16, VAK18, VSM19, ZLB⁺22, HYWA09, LJ10]. **Simulators** [ZF15, KCC⁺14]. **Single** [VRBS16, CEW⁺13, CCH16, WHL⁺21, SXL⁺12]. **Single-Electron** [CEW⁺13, CCH16, WHL⁺21]. **single-walled** [SXL⁺12]. **Situ** [MS19, ZK18]. **sizing** [LSH14]. **Sketching** [AL17]. **Skew** [NPA⁺12]. **SkyBridge** [BLKM23]. **Skyrmion** [KWC⁺20]. **Slicing** [LDZ22]. **Small** [MKW⁺14]. **Small-World** [MKW⁺14]. **SNE** [MPZ21]. **Sneak** [WRWW17]. **Sneak-Path** [WRWW17]. **SNN** [KWG⁺20]. **SoC** [GSC17, HLH⁺12]. **soft** [LWX⁺14, SKRX13]. **soft-error** [LWX⁺14]. **Software** [ASK23, AMA⁺14, BGX⁺21, IGGR19, KKY⁺20, LDPPB21, WZL16, ZJT⁺14, CNPR14, MNT14]. **Software-driven** [BGX⁺21]. **Solar** [RSD⁺23a]. **Solution**

[BAT⁺22, BM15, KHC⁺22]. **Solutions** [FSDT23, FMP⁺21, LYEK22, LCK19, Rez23, VGZ11, ZCB⁺22, MN06, Moh12]. **solver** [KTW08]. **Sort** [GUP11]. **Sorting** [ANT22, MSC⁺21]. **SOT** [PAF18]. **SOT-MRAM** [PAF18]. **Source** [Bis17, KR18]. **Sources** [BGX⁺21]. **Space** [LDK⁺18, ZJK22, TJ13a, XLBB06, ZJS09a]. **SPARCNet** [PJSM17]. **Spare** [BKJ19]. **Sparse** [HIH18, HYA⁺20, PJSM17, RMG15]. **Sparsification** [PSL⁺19]. **Sparsity** [YMW21]. **Spatial** [KWFH12, LTO22]. **Spatio** [MMAAK23]. **Spatio-Temporal** [MMAAK23]. **Special** [BY12, CQL21a, CQL21b, DMYT15, DR11, DHK⁺23, FSDT23, FMP⁺21, GMGA23, Gui13, HN15, KK23, LZBW20, Moh12, MPR⁺22, MSW14, SCLW19b, SS15, SLCJ22, SK16, SN11, TTS22, TSB15, TSMCB17, TV17, WD22, ZLWB20, AD14, BC08, Bah09, CS07, Edi14, LC08, McK07, PG12, PR13, WDT14, XCF08]. **specialized** [BC08]. **Specific** [DKK⁺15, FC18]. **Specification** [MMD⁺20, OBLD14]. **spectrally** [KTW08]. **Speech** [CKC⁺18]. **Speed** [BYHT18, LTKP16, PAB⁺17, XLL⁺18]. **Speedup** [KAKSP14]. **SPICE** [KCC⁺14]. **SPICE-compatible** [KCC⁺14]. **Spike** [AMF⁺15, LYL19, MSC⁺21, ZWL⁺15]. **Spike-Time-Dependent** [ZWL⁺15]. **Spike-Timing-Dependent** [AMF⁺15]. **Spike-timing-dependent-Plasticity** [LYL19]. **Spiking** [ASB⁺21, BVM⁺19, CThG15, HIH18, JRJ22, KCD15, LZXL22, LJL18, LYL19, MSC⁺21, NAY24, RBG⁺22, SPR18, VOB19]. **Spin** [AKW⁺13, MS17, SCT⁺22, VSRR15, WYZ⁺20, YLF⁺17, CSKM13, CWL⁺13, EWKNW07, MFA⁺13, XZR⁺22]. **Spin-based** [WYZ⁺20]. **Spin-Torque** [YLF⁺17]. **Spin-transfer** [AKW⁺13, XZR⁺22, CWL⁺13, MFA⁺13]. **spin-transfer-torque** [CSKM13]. **spin-wave** [EWKNW07]. **SpiNNaker** [PCD⁺11]. **Spintronic** [AMH⁺24, IGR⁺16, SBT20]. **Spintronic-based** [AMH⁺24]. **Spintronics** [KZW⁺15]. **Split** [CZW⁺19]. **Splitters** [DWK⁺16]. **Square** [MCT18]. **SRAM** [GJ17, KHC⁺22, RKM15, TFR23]. **SRAMs** [RMW⁺17]. **SSS** [DLL⁺19]. **Stabilized** [Che15]. **stacked** [KWFH12, MHM⁺08, SKRX13, ZS08]. **stacked-Vdd** [ZS08]. **stacking** [KSB⁺08, MHM⁺08]. **Stage** [ZGSA15]. **Stand** [RFDT15]. **Stand-By** [RFDT15]. **Standard** [CMJ14, KCWL⁺16, MS17]. **STAP** [dLBHC22]. **State** [MDS21, ABS⁺12]. **Static** [DLL⁺19]. **Static-dynamic** [DLL⁺19]. **Statistical** [LTKP16, YJ18]. **STDP** [SAAR20, SPR18]. **STDP-based** [SAAR20, SPR18]. **Stealthy** [CMZR23]. **Step** [WRWW17]. **STIFT** [MMAAK23]. **Stitch** [MDS21]. **Stochastic** [ACH⁺17, AL17, EDCL⁺22, GIS⁺22, KKNM22, LNL19, LQYL19, LP17, LMM18, MZR⁺14, MKSW17, MS19, MS20, NLL⁺17, NPH18, PHS⁺23, ZCDD19]. **stochastically** [GRS05]. **Stone** [BSL⁺18]. **Storage** [SCZ⁺12, VSRR15, VTKT22, YYPK17, ORC⁺24]. **strain** [LWH14]. **Strategies** [SFD17, FRB08, GRS05]. **Strategy** [MSCS19]. **Stream** [GLL⁺21b]. **Streaming** [GYM⁺17, KR18, QGW20]. **Streams** [GGTG⁺20]. **stretching** [MRH12]. **Structure** [DDR⁺16b, YYPK17]. **Structured** [AHS17, LH20]. **structures** [PSM⁺06]. **STT** [AKW⁺13, LPW18, NLW⁺20, PFRR17, SFD17, SMT21, VDB⁺16, ZCX⁺17]. **STT-MRAM** [AKW⁺13, SMT21]. **STT-MRAM-based** [NLW⁺20]. **STT-RAM** [LPW18]. **STTRAM** [GG17, MGK18, WX15]. **STTRAM-Based** [GG17, WX15]. **studies** [CNPR14]. **Study** [DDR⁺16a, KWC⁺20, KST⁺22, PPM⁺13, PSY⁺18, SCT⁺22, YLF⁺17, CB09, HCTK08].

styles [CJ14b]. **Sub** [GVRR17, ON15, RFDT15, WOW⁺¹⁰]. **Sub-** [RFDT15]. **Sub-10nm** [GVRR17]. **Sub-Block** [ON15]. **sub-mW** [WOW⁺¹⁰]. **Subcrossbar** [YL14]. **Substrate** [PAB⁺¹⁷]. **Success** [NPS⁺²⁰]. **Suite** [XCS⁺¹⁹]. **Sum** [KKK22]. **Super** [GVRR17]. **Super-Threshold** [GVRR17]. **Supercapacitor** [LPB⁺¹⁵]. **Supercapacitor-Based** [LPB⁺¹⁵]. **Superconducting** [PP21]. **Supervised** [CZQK15, LYL19]. **Supervision** [EFRB22]. **Supply** [EFRB22, LWM⁺¹⁴, MLP⁺²⁰, MMJ09]. **Support** [CTT⁺²⁰, KMS⁺²⁰]. **Surface** [CMJ14, KDMT22, KTW08]. **Surface-Wave** [KDMT22]. **Surgical** [XYJ⁺²¹]. **Survey** [BVM⁺¹⁹, EDZ⁺²³, GBLD15, GNY⁺²², KAB⁺²¹, KK12, KRG⁺²³, Mit16, Mit17, QCF⁺¹⁶, SFD17, STNP21, CNPR14]. **sustainability** [KMD12]. **Sustainable** [RSD^{+23a}, RSD23b, PG12]. **SW** [JRLR15]. **SWIFTNoC** [CDP17]. **Swing** [SSF⁺¹⁵]. **Switched** [GB18]. **Switching** [BSL⁺¹⁸, DRG21, MKG⁺²³]. **SWMR** [HAV⁺²²]. **Symbol** [GLL^{+21a}]. **Symmetric** [DDR^{+16b}]. **Symposium** [Shu09]. **Synapse** [LWY22]. **Synapses** [WKL16, WLJC21, JRC⁺¹³]. **Synaptic** [BOAC⁺²⁰, KZL15, WKL16]. **Synchronous** [RFDT15]. **Synthesis** [AHSZ16, CEW⁺¹³, CH14, CCH16, CW08, DRSR14, DWK⁺¹⁶, DDR^{+16b}, GCJ17, HSZM17, HD14, LCSP14, MPM13, PT14a, PAC⁺²², SMZ⁺¹⁹, SSP14, SKB13, CCTP08, DJ08, LJ14, MMJ09, PT14b, SZSS10, SC08, XC08, ZXC10, VTKT22]. **Synthetic** [Dea14, FHFk14, HD14, MHW14, MSW14, OBLD14, VMV13]. **System** [ASB⁺²¹, ARLB18, BY18, CJ15, DEW⁺²³, DLL⁺¹⁹, HH11, HML⁺²³, JWJ⁺¹⁷, KSA⁺²², LBJ⁺¹⁶, LWM⁺¹⁴, MKSW17, PAP⁺²², QCF⁺¹⁶, RSD^{+23a}, SS15, SN11, SCZ⁺¹², TZR20, TSMCB17, WXW⁺¹⁷, CB09, MP10, YW13, ZJS09c, ZJS09b, PCD⁺¹¹, YXW⁺¹²]. **System-Level** [ARLB18, JWJ⁺¹⁷, MP10]. **System-on-chip** [DLL⁺¹⁹, PCD⁺¹¹, YXW⁺¹²]. **Systematic** [PB21]. **Systems** [ACJ17, BAT⁺²², CMZR23, DMYT15, DRL⁺¹⁹, EDZ⁺²³, FKM22, FYJ⁺¹⁷, GBLD15, HIH18, IASK20, KZW⁺¹⁵, KDMT22, MSCS19, MGMU22, MAC⁺²¹, RMW⁺¹⁷, RNN⁺²², REL⁺²², SAAR20, SPS⁺²⁴, TWLL19, TTS22, TSB15, TKBM12, TV17, WZL16, XNK18, ZSXY11, GMM12, LBGR08, LWX⁺¹⁴, Moh12, MCT10, PG12, STA⁺¹², SLS⁺¹⁴, WOW⁺¹⁰, WCSA10]. **systems-on-chip** [GMM12, LWX⁺¹⁴]. **Systolic** [LZXL22]. **Systolic-Array** [LZXL22]. **T** [MCT18]. **T-count** [MCT18]. **Tag** [RD22]. **Tag-enforced** [RD22]. **Taming** [AGR⁺²³]. **Targeting** [CKC⁺¹⁸, HSZM17, MKG⁺²³]. **tasks** [STA⁺¹²]. **Taxonomy** [SFD17]. **TCAMs** [dLBHC22]. **Technique** [CCW18, Che15, HRR19, HLH⁺¹², TFR23]. **Techniques** [Bis17, EDZ⁺²³, GBLD15, KPFM16, Mit16, Mit17, RBHG21, TJ13b, WYZ⁺²⁰, BCT⁺¹³, KP10]. **Technologies** [DLTSNA20, FNO⁺¹⁹, GBLD15, TSB15, BC08, Edi14, PR13, PUBV07, VO06, GN08]. **Technology** [BLKM23, BSY⁺¹⁶, CTP14, FCR23, GMM12, GVRR17, KZW⁺¹⁵, MGMU22, TGCJ16, TTS22, KSB⁺⁰⁸, MHM⁺⁰⁸, SX11, XDX14, ZC07]. **Technology-Agnostic** [CTP14]. **Technology-Based** [BSY⁺¹⁶]. **Technology-driven** [GMM12]. **Telementoring** [XYJ⁺²¹]. **Temperature** [HTMH18, PRG⁺¹⁵, KCC⁺¹⁴, LWH14]. **Template** [RDH14]. **Templates** [SM11]. **Temporal** [LFDS22, MDS21, MMAAK23, KWFH12]. **tenant** [CMZR23]. **Term** [ZSPC19].

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[GUP11]. **Type** [YJ18].

U [WL22a]. **U-Net-based** [WL22a]. **ULS** [MP10]. **Ultra** [CJ16, CJ14b, ERGK21, GGTG⁺²⁰, GJ17, KZW⁺¹⁵, KT14, MGS⁺¹², STSG17, TSB15]. **Ultra-Low** [TSB15]. **Ultra-Low-Leakage** [CJ16, CJ14b, GJ17]. **Ultra-Low-Power** [KZW⁺¹⁵, MGS⁺¹², STSG17, ERGK21, GGTG⁺²⁰]. **Uncertainty** [RPBA21]. **Unclonable** [LTM22, TMG⁺²¹, UMB⁺¹⁸]. **Underlapped** [GVERR17]. **UNet** [CLZ⁺²²]. **Unified** [YYPK17]. **Uniform** [SMT⁺¹⁷]. **Unipolar** [LP17]. **Unit** [KHC⁺²²]. **Units** [BH17, Gla14]. **Universal** [CZQK15, CVK15, MP10]. **Unsupervised** [ASB⁺²¹, ATW⁺²², KSA⁺²², LYL19, SPR18]. **Updates** [FKM22]. **Use** [KMS⁺²⁰]. **Using** [AVK16, ALY⁺²¹, ATW⁺²², Bis21, CHA20, CJ16, CKWK18, DSB16, DPB11, DLL⁺¹⁹, EDCL⁺²², GKT⁺¹⁸, GOGCK11, GGTG⁺²⁰, GUP11, GSC17, GJ17, HZSA14, HLH⁺¹², JRJ22, KPM22, KR18, KSA⁺²², KWWI17, LBJ⁺¹⁶, LQYL19, LP17, LMM18, MDS21, MSB⁺²², Mit17, MGST22, MSC⁺²¹, NPS⁺²⁰, PFR17, PT14a, PAF18, PB21, RBHG21, RDS24, SCL17, SBZT20, SPS⁺²⁴, TZR20, TFZ⁺²¹, TNWD20, VSRR15, YLR⁺²³, YJ18, ZCDD19, BSL⁺¹⁸, BPH⁺¹¹, CMJ14, DRSR14, HMS⁺⁰⁵, JRC⁺¹³, KRP⁺²¹, KT14, KK12, KCD15, LBGR08, LSH14, MMJ09, MHM⁺⁰⁸, PAP⁺²², RBGC14, SZSS10, SPR18, SXL⁺¹², SC06, YYC07, ZFT13, ZJT⁺¹⁴, KSB⁺⁰⁸]. **Utility** [LHW⁺¹⁷]. **Utilizing** [LDZ22, WDH⁺⁰⁹].

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LWM⁺¹⁴, MKMS22, MGS⁺¹², MKW⁺¹⁴, NVW⁺²², RSD23b, RDS24, TKBM12, CDG⁺¹², GD12, WOW⁺¹⁰, WVG13]. **wires** [DK09]. **wise** [HYA⁺²⁰]. **Within** [KXY16]. **without** [ABR⁺²¹]. **Wordline** [LYWW13]. **Wordline/Bitline** [LYWW13]. **Workload** [PRG⁺¹⁵, SLS⁺¹⁴]. **Workload-Aware** [PRG⁺¹⁵]. **World** [MKW⁺¹⁴]. **Wormhole** [SHAC19]. **WoSAR** [AD14]. **Write** [AM18, GLMG⁺¹⁵, KXY16, LHW⁺¹⁷, NLW⁺²⁰, WX15, WL22b]. **Write-Aware** [WX15]. **Write-Optimized** [WL22b]. **Writes** [VSRR15].

[ABM21]

X [DDG⁺²², KBC⁺²³]. **X-Ray** [KBC⁺²³].

Yield [PFRR17, SC06, FRB08].

Z [HZSA14]. **Zallocator** [WL22b]. **Zero** [KXY16, TNWD20, BPB⁺¹²]. **Zero-Energy** [TNWD20].

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[NPH18]

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[NPS⁺20]

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Aditya K. Prasad, Vivek V. Shende, Igor L. Markov, John P. Hayes, and Ketan N. Patel. Data structures and algorithms for simplifying reversible circuits. *ACM Journal on Emerging Technologies in Computing Systems (JETC)*, 2(4):277–293, October 2006. CODEN ????? ISSN 1550-4832 (print), 1550-4840 (electronic).

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[PT14a]

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[PSY+18]

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