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#151 [Gar21].

(k, l, m) [YF22]. $(k, n, 0, 1, 1)$ [JK21b]. (t, s, k, n) [LZW+21]. 1 [PPS21]. 192 [wPHC21]. 2 [jSZyW+20]. 2.5 [NAP+20]. 3 [JKM21, MWVK21]. 360 [LLA+21]. 5 [KSSR20]. 8 [wPHC21]. d [AA20b]. k [CWS+21, KLC22, SSvW20]. l [HJHZ22]. $n \times n$ [SSvW20]. P^2 [VD21a]. q [jSZyW+20, VCP21]. Σ [BLG21].

-bit [wPHC21]. **-Degree** [LLA+21]. **-isogenous** [HJHZ22]. **-NN** [CWS+21]. **-Protocols** [BLG21]. **-PVCS** [JK21b]. **-SHARP** [VD21a]. **-Threshold** [LZW+21]. **-Uniform** [AA20b]. **-verifiable** [YF22].

.eu [GPLK22].

1 [BDL+21, LP20a, LP20b]. **11510** [Koo20]. **'14** [CLLR21]. **16** [SSW21]. **1and** [LP20a].

2 [BDL+21]. **2-Designs** [WDFN21]. **256** [FA21, PPS21]. **2D** [ZZC+21].

3 [VDSB22]. **3DES** [APTT22].

4-Way [NS22]. **4769** [BCD+20].

512 [AG22a]. **5G** [BBTC20, AZH22, Bra21, GMS+20, KJJ+21, MCF+22, SHB22, YM21, uHWZ20]. **5G-based** [BBTC20]. **5G-Enabled**

[GMS+20].

802.11ah [ZM20]. **80th** [Mar24].

ABE [CLZG22, LSX+21, WZX20, ZZQ21]. **Accelerate** [CRSSBMR21, FSK+22]. **accelerated** [APTT22]. **Accelerating** [DZL+22, GLY21, XWH21]. **Accelerator** [SKW+21, TRV20]. **Accelerators** [NVB+20]. **Access** [Ano21c, BCLR22, GVM+20, LZW+21, PCMPCA+20, SHHM21, TSY+21, WWW20, WZX20, XZL20, XCV22, ZDX+20, AP21, ABK+20, ATK+22, BBTC20, BKL+20, EK20, FLTQ20, GDZL21, JK21b, LGCY22, OK21, RR20, SYD21, TFNF21, WCXW22, YC22a]. **Accountability** [BDL22]. **Accountable** [BKL+20, ZGL+20, ZWG+20]. **Accurate** [FYY+21]. **Achieving** [GWF+21, YHC20]. **Acoustic** [LYCW20, LWH+22]. **Active** [MHS+20]. **Activities** [SLLC21]. **Activity** [SOA+20]. **actuator** [ZWYL22]. **Ad** [ABB22, PA21, RAN22, SWK+20]. **Adaptive** [AKI20, YG20, GSS+20, JYMP+20, Lee21, NNH+20]. **Adaptively** [LZ20]. **adjacent** [jSZyW+20]. **adjusting** [HLSC20a, HLSC20b]. **Adoption** [LYDZ21, NVB+20]. **Advanced** [VAV+20, MS21b]. **Advantage** [ZMR21]. **Adversarial** [TZLZ21, WWYC21, HRX+21]. **Adversary** [MS22a]. **AE** [ZLD+20]. **AES** [MS21a, ESA21, HIMM20, LFJ+20, QAQA21, UMM+20, XWH21]. **AES-RC4** [MS21a]. **affect** [vSRW+20]. **affine** [BMDE21]. **after** [cC21c, Kad21]. **Against** [DCSA22, LEBM20, LWS+21, LMH+21, LHW21, LDX22, LWS+20, RNR+21, EKW22, FZ21, GSS+20, HYK+20, LZ22, LQD22, LZX+22, MYF20, YCL+20, ZXY20, ZZQ21]. **aged** [Mcl20]. **Agreement** [BCP20, Gua21, LNE+20, SSP21, WHW22, BGCL20, Bra22, CDG+20, CC21a, MII22, MIB22, PGCK22, XLL+21]. **ahead** [LaM22]. **AI** [BGH+22, PYSJ22]. **AI-enhanced** [PYSJ22]. **aided** [ML20, SLS+20, SZM22, SMS+20]. **AKA** [BGCL20, Bra21]. **AKA3** [MS22b]. **Alan** [Ano21c]. **algebraic** [LT22, YD22]. **Algorithm** [ADS21, CRSSBMR21, FSN21, FLYL21, JZD21, LLAL22, Nar22, OLZ+20, RN22, RR21, TZLZ21, WLL20, CGJ20, FNC22, HH21, KSSR20, KS20, NCM22, Pan20, ZWZ+22]. **Algorithm-Based** [RR21]. **Algorithmic** [BS21]. **Algorithms** [AOAAK20, BDL+21, MH21b, QGL+22, Sch21, SZX20, XWH21, FCH21, KG20a, KLC22, STK23]. **Allocation** [JTGJ20, ZXY20]. **Allocations** [ANSS21]. **Almost** [MH21a]. **am** [CC21b]. **Amazon** [TRV20]. **Amortization** [AA20b, AARV21]. **Amplification** [AARV21, QYZ+21]. **Amplified** [ZQY+22, ZYX+20]. **Analog** [CHA20]. **analogues** [EMS21]. **Analysing** [LGNEAO20]. **Analysis** [AV20, AALG22, BKS22, BBC+20, BAR+21, BCLR22, BA20, BB22, DZW+21, GMD+22, HON21, JK21a, JIR+21, JCKH22, Jov20, KLR+20, LLT+20, LWS+21, MDD+21, PYSJ22, PI21, RAD20, SCRV20, TSDG22, ZYD+20, ZZC+21, ABC+21, CDG+20, HOV20, JYMP+20, JA20, XCB+20]. **analytic** [AKY20]. **Analytical** [VK22]. **analytics** [DZL+20, SKE20]. **Android** [ErEE20, MVBK21]. **Animation** [JJKJ20]. **ANiTW** [ALZ+20]. **anniversary** [Mar24]. **anonymity** [JZWX20, PCO20]. **Anonymous** [BDL22, MH21a, WCX21, ABK+20, GZG20, HBO21, KSS+20, LCZL21, MBK+21, SA21]. **Anti** [TMZ+20, Yiu21]. **Anti-Counterfeiting** [Yiu21]. **Anti-Spoofing** [TMZ+20]. **Apache** [ABC+21]. **APIs** [KSA+21]. **App** [RYM21]. **Appearance** [SCW+21]. **applicable** [ESA21]. **Application** [BL22b, HHO+21, KTCI21, LP20a, MMM+22, MH21b, LP20b, RN22, VKV+22, Zak21a, ZZC+21,

JYMP+20, JYH+20, KG20b, Sar21, WLZY21, YC22a, ZXQ+21, ZWYL22]. **Applications** [ACD20, ADS21, ErEE20, FWR+20, HLJW22, JSS20, JZD21, KPG+20, KJJ+21, LYX+22, PPS21, PI21, PCV+21, QAQA21, RK21, WZXX20, AKY20, Ano21b, BMDE21, DK21, Lap22, OK22, RH20, SA21, jSZyW+20, TITN20, VD21b, ZWT22]. **Approach** [BKS22, BSS+22, DZW+21, GXSC21, GWF+21, Kad21, KSA+21, KSM22, LEBM20, RR21, WYLG21, LFJ+20, LHS+22, MTA+22]. **Approaches** [SVK+22, WWC+20]. **Arbiter** [MMM+22]. **architect** [Raw20]. **Architectural** [ABM21]. **Architecture** [AMGBK22, FSK+22, Goo21, JMKM21, KKM21, MHS+20, PPR+20, SKB+22, VAV+20, ZQY+20, ZHM20, Ano21b, GDA+21, LGNEAO20, MS21a, MII22]. **Architecture-Neutral** [ZHM20]. **Architectures** [BCLR22, GRA21, UMM+20]. **Area** [BL22a, MS21a, WHF+20, ZQY+20, ZJZL20, DK21, FBD+20, RO22]. **Area-Efficient** [ZQY+20, MS21a]. **Arguments** [YD21]. **ARIBC** [Gou21]. **ARIES** [BDM+20]. **Arithmetic** [EPG+20, GXSC21, GXS+22, LIJ20]. **ARM** [ZYD+20, ESA21, ZY20]. **ARM-Based** [ZYD+20, ESA21]. **Arnold** [JKM21]. **Art** [AZH22, BGG+22, Kha21, ZCJ+21]. **Artifacts** [CGZ20]. **Artificial** [DZW+21, Gok22, GAGV+21]. **ask** [CC21b]. **Aspects** [BS21]. **Assessment** [Kad21, NPH+20, RNR+21]. **assets** [WHJ20]. **assisted** [Bra22, CDG+20, Gyo20, HN22, NBJ21, WGYZ22, XLL+21, ZZQ21]. **Associated** [BSS+22, PCMPCA+20]. **Assumption** [DG21]. **Asymmetric** [HRX+21]. **Asymptotic** [ZY21]. **Asynchronous** [BCP20]. **Attack** [BMBM20, LMH+21, RBM21, Sun22, ESA21, Goo23, NAB22, ST21, ZXY20, ZCWW21]. **Attacker** [ZJZL20]. **Attacks** [AMGBK22, AAI+20a, AAI+20b, ABM21, BNBN20, BBB+23, DCSA22, FZL+20b, HYK+20, JIR+21, KHV20, LYEK22, LLT+20, LC22, LWS+21, LQD22, LZX+22, LZJZ21, LWS+20, MG21, ODK20, OLZ+20, RNR+21, SGZS21, WYZZ21, WCD21, YC22b, YCL+20, ZZX+21, ZLD+20, ZZD+21, GAGV+21, PM21, RFT22, LT22, SI22, STK20, ZWW+21, ZZQ21, ZYX+20, ZWYL22]. **Attention** [LWL+21, WCYL20, YLZ+22]. **Attribute** [LHW21, LYZ+22, LAKWC21, SHHM21, SLL+21, SZM22, ZDX+20, ZJK+22, AMSL20, BKL+20, CKV22, DSDR22, GLZZ20, KS20, LTTT20, RR20, TWH+21, ZZ21b, ZZQ21]. **Attribute-Based** [LHW21, LYZ+22, SHHM21, LAKWC21, SZM22, ZDX+20, ZJK+22, AMSL20, DSDR22, GLZZ20, KS20, LTTT20, TWH+21, ZZ21b]. **attribute-order-preserving-free** [CKV22]. **Attributes** [VKKG22]. **Audio** [NPG+22, JYH+20, SPJ20]. **Audiovisual** [VKV+22]. **auditable** [RR20]. **Auditing** [LLLZ21, LWS+20, SZC+21]. **AUGChain** [PCC22]. **Augmentation** [SNS+20]. **augmented** [PM21]. **Authentic** [Fre21]. **Authenticated** [Bra22, LZ22, LHY+21, SJHL21, TMKS20, VSMW22, BKL+20, CDG+20, JJK+21, NA20a, QC22b, SWZ22, WGYZ22, XWW+20]. **Authenticating** [Dru21, JLZ+20]. **Authentication** [AAK+21, AFS+22, Alb21, ADS21, ATS+21, AS22, AALG22, ADA+22, BAR+21, BVG22, BKM21, BB22, CIY+21, CXZ+21, CHWM21, CN21, DR20, EZBC22, EAHO21, FFK+22, GPPB+21, Gua21, GVM+20, GMS+20, HLS+21, HOV20, JK21a, JKI+21, JJKJ20, Jov20, KHV20, KKBL20, LHZZ20, LTDZ22, LXZ+22, LYCW20, MWVK21, MS22a, NRS20, QC22a, SSP21, SCRV20, SLL+21, SWCS21, SLLC21, Sun22, TCH21, VD21a, VKV+22, WWW20, WCQ+20, WYLG21, WDL21, WH22, XZL20, XTHL21, ZYH+20, ZSS+22, ZAK+21b, ZYA+22, ZOZ21,

ZJK+22, AKM21, ABMPL22, AK20, AP21, AAH22, AHB21, ABK+20, ABB22, BBTC20, BGCL20, Bra21, CXC+22, CRJ+22, CC21a, CBN+20, DK21, Elt22, FA21, FBD+20, GL22, GJS20, GZG20, GWZ+20, GDZL21, GZG22, HBO21, HMT+20, JZWX20, KK20, KG20b, KSC+22, KMK22, KSS+20, LCZL21, LWGW21, MCF+22, MYF20, MAOH21, MII22, MIB22, MBB22]. **authentication** [MS22b, NA20b, NCM22, OK21, PCC22, PGCK22, PA21, RAN22, RO22, RSB22, SRD21, SA21, SP22a, SP20a, SP22b, SWK+20, TLS+20, TKP21, VVPM21, VD21b, WHSX20, WWC+20, WZZW20, WYZZ21, WDKV20, WMK22, XZL+22, XLL+21, XWM21, YM21, YHC20, YFW20, ZCJ+21, ZM20, ZZ21b, ZZhC22, uHWZ20]. **Authentication-Based** [GMS+20]. **Authenticator** [MUK22]. **Authenticators** [TB21]. **Authenticity** [BKP22]. **authorities** [GLZZ20]. **Authority** [WZX20, XJ20, ZWG+20, TWH+21, ZGL+20]. **Authorization** [ASMK22, KKBL20, LZG+21, SLL+21, AP21, CBN+20, LWSQ21, RDS+22]. **Automated** [BRPM22, BCLR22]. **Automatic** [FYY+21]. **Automation** [MDD+21]. **automotive** [VVPM21]. **Auxiliary** [LMG20, LZ22]. **Auxiliary-Input** [LMG20]. **Avatars** [JJKJ20]. **AVR** [wPHC21]. **AVR-based** [wPHC21]. **Aware** [CHWM21, FLYL21, ABK+20, DAK+20a, LZYZ21, SHB22, TMG+21, AAK+21]. **AWS** [TRV20].

BA [SZM22]. **BA-RMKABSE** [SZM22]. **backtracking** [LKX20]. **backward** [NBJ21]. **Bad** [HD22]. **BadRandom** [Hug21]. **Bag** [XJG+22]. **Bag-of-words** [XJG+22]. **Balanced** [ANSS21]. **Balancing** [JIR+21]. **Band** [NRS20]. **bandwidth** [ZXY20]. **Bank** [JFK20]. **banking** [LGCY22]. **Base** [JCKH22, YM21]. **Based** [AAI+20a, AAI+20b, Alb21, ATS+21, ASLB20, BAR+21, BSS+22, BL22a, BDL22, CCT+20, CCKH21, CZC22, CN21, CTM22, DR20, DZW+21, EZBC22, FZL+20a, FZH21, FZL+20b, FAlS+22, GA22, GPPB+21, GNGT21, Gou21, GMS+20, JKI+21, JKM21, KS21a, KHM20, KKM21, LHHW22, LWL+21, LLLZ21, LZYZ21, LXZ+22, LSQ20, LMH+21, LLP+20, LYY+21, LLA+21, LHW21, LZW+21, LQD22, LYZ+22, MUK22, NPG+22, PPR+20, PYC21, QGL+22, RN22, RR21, SGB20, SHHM21, SZC+21, SJHL21, STJ+21, SZX20, TSAS22, TZLZ21, TCH21, UMM+20, VAV+20, WLL20, WHC20, WL21, WHW22, WDL21, WZX20, XCV22, XPR+22, YC22b, YDS+20, YLZ+22, ZQY+20, ZYD+20, ZSS+22, ZWG+20, ZZX+21, ZYW+20, ZHM20, ZBT22, ABMPL22, ABR+21, ABM21, AK20, AMSL20, AP21, AAA20, AHB21, ADA+22, ABB22, BBTC20, BKL+20, BGCL20, CXC+22, CBE21, CIY+21, CGJ20, CXZ+21, CLH+21, CC21a, DAK+20a, DSP20, DK21, DAK20b]. **based** [DG21, DRS+22, DSDR21, DSDR22, ESD+22, ESW21, EKW22, ESA21, FLTQ20, FWZ+20, FA21, GJS20, GZG20, GLZZ20, GWZ+20, GDZL21, HRX+21, HON21, HYK+20, HJHZ22, JFK20, Jov20, KS21b, KMT20, KSSR20, KSK20, KCML20, KG20b, KMK22, KSS+20, KS20, LYEK22, LGNEAO20, LTTT20, LPLL20, Lee21, LNE+20, LLX+20, LHZZ20, LCZL21, LYSC21, LTDZ22, LGCY22, LWSQ21, LXG21, LHO+20, LKX20, LGT+20, LAKWC21, MYF20, MMM+22, MAOH21, MBK+21, MIB22, MOP21, MCLL21, NA20b, NCM22, PCC22, wPHC21, PCV+21, PNJ+22, PGCK22, RFT22, RR20, RAN22, RO22, RHCB21, RYM21, RDS+22, SPJ20, SA21, SSP21, SP22a, Sar21, SKW+21, SYD21, SGZS21, SLZ+21, SCZ+20, SWZ22, SP22b, SK21, SP20b, SZM22, SMS+20, TSR+20, TW21, TADS20, TGC+21, TSG21, TLS+20, TWH+21, UAACH21, VD21a,

WHSX20, WHF+20, WCZQ20, WCX21, WDJZ22, WCXW22, WDKV20, XRL+21, XZL+22, XLL+21, YC22a]. **based** [YFW20, YF22, YH22, YGW+20, YZL22, ZCJ+21, ZDX+20, ZZ21b, ZGL+20, ZKY21, ZJZL20, ZYX+20, ZXQ+21, ZWYL22, ZJK+22, ZWZ+22]. **BASN** [WCYL20]. **BASN-Learning** [WCYL20]. **batch** [SLS+20]. **Batteries** [LV21]. **BC** [LC22]. **Be** [ABM21, LHW21, RBVV22]. **Behavioral** [Fer21, ZAK+21b]. **Behind** [ASV+21, Mar20a, CIY+21]. **Belief** [RR21]. **Best** [BL22b, JZD21]. **Bet** [Ano21a]. **Better** [BGH+22, CPN+21]. **between** [EMS21, FA21]. **Beyond** [AS22, SGZS21, Ano21b]. **Bézout** [BL22b]. **Bi** [LWL+21]. **Bi-LSTM** [LWL+21]. **Bias** [HSHC20]. **Big** [Ano21a, DC20, GQZ21, LLLZ21, SZC+21, SLL+21, TRB+21, WYLG21, XCV22, AKY20, SAY20, TSR+20]. **Bilinear** [ZYW+20]. **Billing** [EAHO21]. **BIM** [CTM22]. **Binary** [FGC22, WCYL20]. **Binding** [WZXX20, SP22a]. **Bio** [SAS21, BGCL20, NA20a]. **Bio-AKA** [BGCL20]. **Bio-Puf-Mac** [NA20a]. **Bio-signal** [SAS21]. **Bioinformatics** [WNK20]. **Biometric** [ANG20, AFS+22, BB22, CXZ+21, CN21, DD20, Dru22, Gok22, KPG+20, PPR+20, SP21, VK22, ZYH+20, GJS20, KK20, MIB22, SK20a, Sar21, TLS+20, TTP20]. **Biometric-Based** [CN21, GJS20, Sar21, TLS+20]. **Biometrics** [RLZ+21, GBG20, KK20, NA20a]. **Bit** [ZJZL20, Pan20, wPHC21]. **Bit-time-based** [ZJZL20]. **bitcoin** [WHJ20, WYZ+20]. **Bits** [SHB20]. **Bitstream** [HYK+20]. **Black** [ZWG+20]. **Black-Box** [ZWG+20]. **Bletchley** [Mar20a, Mcl20, Tur20]. **Blind** [CZC22, DM20, DST20, Nar22, SP20b]. **Blinded** [BMBM20]. **Blindfolded** [AHSL22]. **Block** [BVG22, DH20, HLJW22, JDZ+21, LC22, RMMH22, RMA+20, LT22]. **Blockchain** [AMGBK22, AAAKJ22, Ano21b, AHWB20, BL22a, BDL22, CTM21, CTM22, GPPB+21, GDA+21, GWF+21, HV20, HHO+21, KTCI21, KAS+22, KLZ+21, LGCY22, LHO+20, LLP+20, NPG+22, PPR+20, PYC21, PSGM22, STG+20, SZM22, TADS20, TSY+21, TS20, WCX21, WL21, WHW22, Yiu21, FCH21, FA21, LCZL21, MBK+21, PCC22, Sar21, TGC+21, VD21b, XZL+22, XLL+21, YC22a, YZL22, SHB22]. **Blockchain-aided** [SZM22]. **Blockchain-Based** [BL22a, BDL22, LLP+20, NPG+22, LGCY22, LHO+20, WCX21, PCC22, Sar21, XZL+22, XLL+21, YC22a]. **Blockchain-empowered** [TSY+21]. **Blockchained** [CKFH22]. **Blowfish** [CAN+21]. **board** [Lew20]. **Body** [WHF+20, DK21, FBD+20, RO22]. **Boolean** [KCML20, KSM22, YYZ+20]. **botnets** [PCK20]. **bound** [YHC20]. **bounded** [TW21]. **Bounds** [HY20, AARV21]. **Box** [ZWG+20, BR22, LZX+22, LKX20]. **boxes** [HLJW22, KG20a]. **Brahmagupta** [CBJ22]. **Brainwaves** [ZYH+20]. **Branch** [BMBM20, CY22, LIS20]. **Breaking** [BGG+22, Mar20a, McC24]. **breakout** [Lew20]. **Brief** [GRA21]. **broadcast** [LTTT20, ZGL+20]. **Broken** [HLS+21]. **Browser** [AALG22]. **Brushstroke** [FYY+21]. **BTMonitor** [ZJZL20]. **Bug** [ZMR21]. **Building** [CTM22, SWLL21]. **Built** [MHS+20]. **Built-in** [MHS+20]. **Bus** [SGZS21]. **Bus-based** [SGZS21]. **ByteSGAN** [WWYC21]. **Byzantine** [BCP20, TMKS20].

C [BBG+20]. **Cache** [SGZS21, YC22b, vSMK+20, ESA21, SAY20]. **cache-oblivious** [SAY20]. **CacheHawkeye** [YC22b]. **CacheOut** [vSMK+20]. **Caches** [TSFS21]. **Caching** [WQL+21]. **CAD** [NPH+20]. **Camera** [TTL+21].

Camouflaging [ISK21]. **Can** [ABM21, LA22]. **cancelable** [KK20]. **cancellable** [TTP20]. **cancellations** [cC21c]. **can't** [Hon22]. **Capability** [Gua21, ABB22]. **capacity** [GSS+20]. **car** [GZG20]. **Carcinoma** [BSS+22]. **card** [YHC20]. **care** [FBD+20, RO22]. **Career** [McI21]. **Carrier** [LWZ+21]. **Cascade** [DR20]. **Case** [XPR+22, Pau21b, RIW22]. **casino** [Ano21b]. **Cat** [JKM21]. **Cayley** [SSvW20]. **CBC** [HIMM20]. **CC** [Elt22]. **CCA** [CLT22, HYZ+20b, LHAM20, LLHG22, MH21a, SZFX20, ZQY+22]. **CCA-Almost-Full** [MH21a]. **CCA-secure** [LHAM20, SZFX20, HYZ+20b, LLHG22]. **CCA2** [LSX+21]. **CDF** [RN22]. **CDF-DWT** [RN22]. **CDS** [AA20b]. **Celebrates** [Ano24, Mar24]. **Cell** [FSN21, RSB22]. **cellular** [DSP20, Jov20]. **Centered** [VKV+22]. **Centric** [CAN+21, ODK20, FZ21]. **Ceremonies** [HLS+21]. **Certifiable** [BCM+21]. **Certificate** [ZYW+20, ZXQ+21]. **Certificate-Based** [ZYW+20, ZXQ+21]. **Certificateless** [CJS+20, LSY+20, LWS+21, SZFX20, WHW22, GWW+22, JHS+21]. **Certificates** [WQL+21]. **certified** [uHWZ20]. **Cesàro** [Cia22]. **CETAnalytics** [DZL+20]. **Chaff** [DKJ+21]. **Chaff-less** [DKJ+21]. **Chain** [CTM21, RNR+21, RMMH22, Yiu21, GWZ+20, ZAR+22]. **chains** [Elt22]. **Challenges** [AS22, AAAKJ22, EFPS+22, HLG21, HD22, JSS20, KTCI21, KPG+20, Kha21, MS21c, PCK20, PSGM22, SVK+22, SYKL21, YAZ21, Jov20, ZCJ+21]. **Challenging** [ABMPL22]. **change** [Mcl20]. **changeable** [MMHX20]. **Changing** [MMM+22]. **Channel** [ABM21, AAT+21, BKS22, VDK+21, FZL+20b, FAlS+22, HMLZ21, HPGM20, JCKH22, KLR+20, LQD22, PYSJ22, RAD20, XPR+22, YC22b, ZYD+20, Bis21, DCSA22, EIO20, JFK20, LTTT20, LZJZ21, NPH+20]. **Channels** [GNGT21, JLZ+20, LWH+22, ZAK+21b, CMR+21, VVPM21]. **Chaos** [SK21]. **Chaos-based** [SK21]. **Chaotic** [ANG20, PPS21, TSAS22, KSSR20, LYSC21, LKX20, MII22, MIB22]. **Characteristic** [ZZC+21]. **Characteristics** [FZL+20a, AK20, LGT+20]. **characterizability** [KKP21]. **Characterization** [MMM+22]. **Charging** [EAHO21]. **Chasing** [cC21c]. **Chat** [WH22]. **Chebyshev** [MII22, MIB22]. **Checks** [ABR+21]. **Chest** [CXZ+21]. **ChestLive** [CXZ+21]. **Chip** [HMLZ21, LA22, SGZS21]. **Chip-Free** [HMLZ21]. **Chiplets** [NAP+20]. **Chosen** [DRS+22, LP20a, LP20b, Sun22, XPR+22, ZYX+20]. **Chosen-ciphertext** [DRS+22, ZYX+20]. **Chosen-Prefix** [LP20a, LP20b]. **CIoT** [WDKV20]. **Cipher** [JDZ+21, LC22, MG21, Pau21b, FNC22, SSW21]. **Ciphers** [BKS22, DH20, FBH+22, HPGM20, HLJW22, LLAL22, Mar24, RMA+20, LT22]. **Ciphertext** [SHHM21, SZFX20, DRS+22, LTTT20, SMS+20, ZYX+20]. **Ciphertexts** [XPR+22, ZGL+20]. **CirclePIN** [GVM+20]. **Circuit** [LXZ+22, LQD22]. **Circuits** [AMR+20]. **Citation** [CGZ20]. **cities** [DAK20b, GJS20, OK21, SP20a, SLS+20]. **CJSpector** [YYH22]. **Class** [WDFN21]. **classes** [LHS+22]. **Classic** [Lew21, cC21c]. **classical** [HLSC20a, HLSC20b]. **Classification** [ASV+21, AOM+21, BKM21, FZL+20b, ACMP21, ASV+22, CWE+21, DZL+20, GDA+21, LHS+22, LXG21, WWYC21, YGW+20, ZAR+22]. **classifier** [ZAR+22]. **Classroom** [Fag20]. **client** [GJCJ20, LLH+21]. **client-side** [GJCJ20]. **Cloaking** [WHC20]. **clone** [SP20a]. **Closure** [AARV21]. **Cloud** [AG22a, AAI+20a, AAI+20b, BCLR22, CIY+21, CLZG22, CWS+21, CDF+21, FWCB22, GQZ21, LYDZ21, LZG+21, RK21, SHHM21, SLL+21, SZX20, TRRB20, WGYZ22, ZDX+20, ABC+21, AKY20, AP21,

AGV22, CDG+20, CKV22, GLZZ20, HN22, HBO21, KLC22, KMK22, KS20, LYSC21, NBJ21, PK21, RR20, Raw20, RCF+21, SP22a, SLS+20, SP22b, UAACH21, VPK20, WDKV20, XWM21, YZL22, ZWW+21, ZZQ21, ZLC+20, ZXQ+21, LWGW21]. **cloud-aided** [SLS+20]. **Cloud-assisted** [WGYZ22, CDG+20, HN22, NBJ21]. **Cloud-Based** [AAI+20a, AAI+20b, CIY+21, AP21, WDKV20]. **cloud-enabled** [AKY20, CKV22]. **cloud-healthcare** [KMK22]. **cloud-to-things** [XWM21]. **clouds** [BKL+20, CC21a, SCZ+20]. **cluster** [ABB22]. **cluster-based** [ABB22]. **Clustering** [CCKH21, CGJ20]. **Clusters** [PL22]. **CNN** [LWL+21, LTDZ22]. **CNN-based** [LTDZ22]. **Co** [ZHL+21]. **Co-Design** [ZHL+21]. **CoAP** [KG20b]. **CoAP-based** [KG20b]. **Code** [CZC22, CGZ20, EPG+20, LWL+21, Mar20a, DK21, KCML20, McC24]. **Code-Based** [CZC22]. **Code-Breaking** [Mar20a]. **codebreaker** [Mcl20]. **Codebreakers** [Tur20]. **Codec** [WLYL20]. **Codes** [HBS+20, WDFN21, XLL+22, WCZQ20]. **Coding** [BVG22, CJS+20, CCKH21, HIMM20]. **Coefficient** [ZZX+21]. **Coefficients** [YG20]. **Cognitive** [ZAK+21b]. **Coincident** [BL22b]. **collaboration** [XZL+22]. **Collaborative** [SSW21, WQL+21]. **collection** [VCP21]. **Collision** [LP20a, OLZ+20, LP20b]. **Collision-Optimized** [OLZ+20]. **Collusion** [DSDR21]. **Collusion-resistant** [DSDR21]. **Color** [KSSR20]. **Colossus** [Ano24, Mar20a, Mar20b]. **Comb** [JCKH22]. **combined** [ZWW+21]. **Combining** [ANG20, CDF+21]. **Commands** [SWCS21]. **Comment** [ST20]. **Comments** [Sar21]. **Commerce** [Dru21, GWF+21]. **Commitment** [BLG21, WZXX20]. **Communication** [Alb21, CISM22, SGZS21, XTHL21, FA21, SPJ20, SRD21, SWK+20, TTT+21, VD21b]. **Communications** [BKP22]. **Communities** [ESD+22]. **Compact** [JMKM21, ZSS20]. **Compacting** [LTTT20]. **Comparative** [AV20, GRA21, ZWT22, ABC+21]. **Comparison** [PYSJ22, ZMR21, ZBT22, GDA+21]. **compatibility** [UAACH21]. **compatible** [Bra21, XJG+22]. **compiler** [BBG+20]. **Complex** [ZZC+21]. **Complexity** [HY20, YD21]. **Compliance** [HV20, PYC21]. **Composable** [Can20]. **Composite** [SZX20, TITN20]. **comprehensive** [KSC+22, DZL+20]. **Compressed** [CCKH21, LWL+21, SGB20, TSFS21]. **Compression** [ASLB20, PTZM22, QGL+22, STJ+21, SS22, TSAS22, UMM+20, HIMM20]. **Compression-Based** [STJ+21]. **Compression-Then-Encryption-Based** [ASLB20]. **Compromise** [RHSH23]. **Compromises** [EPG+20]. **Compromising** [Bis21]. **Computation** [FSK+22, FFK+22, KLC22, LLX+20, VDSB22]. **Computational** [BS21, Kou21]. **Computationally** [KSS+20]. **Computations** [KLP20]. **Computer** [KPG+20, Lew21, MHS+20, vO20, Mar24, McC24]. **Computing** [ATS+21, AHSL22, CCT+20, DZL+22, GQZ21, JTGJ20, KKBL20, RBVV22, XCV22, ZDX+20, AKM21, AHB21, DAK+20a, GZG20, HBO21, KLC22, LYSC21, RCF+21, SP22b, TWH+21, VPK20, WCXW22, WMK22, XWM21, ZWW+21, ZZQ21, ZXQ+21]. **computing-based** [DAK+20a, GZG20]. **CoMSeC** [MAOH21]. **CONCEALING** [RDM+21]. **CONCEALING-Gate** [RDM+21]. **Concern** [CGZ20]. **Conditional** [AARV21, WWL20, PA21]. **confidential** [RCF+21]. **Confidentiality** [EFPS+22, RR20, ZHC+20, SKE20, SWZ22]. **Confidentiality-Preserving**

[ZHC+20, RR20, SKE20]. **Conflict** [JFK20]. **Conflict-based** [JFK20]. **conics** [BMDE21]. **conjunctions** [KSC+22]. **Connect** [Koo20]. **connected** [Elt22]. **connections** [Goo23]. **connectivity** [GZG20]. **Conquer** [OLZ+20]. **Consecutive** [HYZ+20a]. **Consensus** [TMKS20, WLL20, FCH21]. **Consistency** [LWZ+21, TTL+21]. **Consortium** [PYC21, WCX21, LCZL21]. **Conspiracy** [BDDL20]. **Constant** [AA20b, BBC+20, FGC22, KAA22, LHAM20, BBG+20, ZGL+20, ZSS20]. **Constant-Size** [FGC22, LHAM20, ZGL+20]. **Constant-Time** [BBC+20, KAA22, BBG+20, ZSS20]. **constellation** [XZL+22]. **Constrained** [Dat20, GMD+22, BR22, TMG+21, VDSB22]. **Construct** [Zha21]. **constructed** [ST21]. **constructing** [LKX20]. **Construction** [TLD+20, EIO20, HYZ+20b, JK21b, LPLL20, TW21]. **Constructions** [BKS22, DSDR21, Tom20]. **Consumption** [FLYL21]. **Contactless** [RDM+21]. **container** [HOV20]. **Contemporary** [XZH+21]. **Content** [SCZ+20, VKV+22, LHS+22]. **Content-based** [SCZ+20]. **contents** [Raw20]. **Context** [ABK+20, SKW+21, WYLG21, DAK+20a]. **Context-aware** [ABK+20, DAK+20a]. **Contextual** [SNS+20]. **Continual** [HYZH22]. **Continuous** [AAK+21, HY20, LHZZ20, LTDZ22, QYZ+21, ZQY+22, ZYW+20, ZXQ+21, Gyo20, RAN22, ZCJ+21]. **continuous-variable** [Gyo20]. **Contracts** [ZHC+20, XRL+21, YC22a]. **Contrastive** [PZJL22]. **Contributions** [KTCI21]. **Control** [BCLR22, CDF+21, LHY+21, TSY+21, WHC20, WZX20, XCV22, ZDX+20, ABK+20, BBTC20, FLTQ20, LGCY22, OK21, VVPM21, WCXW22, Wes22]. **Controllable** [CSA+21]. **Controller** [ZJZL20]. **Conversion** [SYKL21]. **convolution** [MIB22]. **convolution-Chebyshev** [MIB22]. **Convolutional** [FZH21, LHZZ20, PK21]. **Coordinated** [MWVK21]. **Copresence** [FAlS+22]. **Coprocessor** [BCD+20]. **Copyright** [NPG+22]. **Core** [MDJ20, XWH21]. **Correct** [KSA+21]. **Correction** [AAI+20a, HLSC20a]. **correctly** [SAL20]. **Correlation** [BB22, DZW+21]. **Corresponding** [AOAAK20]. **Cosine** [SK21]. **cost** [HLH+20]. **Could** [TB21]. **Counter** [HON21]. **Counterfeit** [STG+20]. **Counterfeiters** [TB21]. **Counterfeiting** [Yiu21]. **Countering** [AAI+20b, LYEK22, AAI+20a]. **Countermeasure** [HYK+20, ZYD+20]. **Countermeasures** [FYDX21, GXS+22, PI21, PCK20]. **Country** [GPLK22]. **coupled** [jSZyW+20]. **course** [Mcl20]. **Covert** [GNGT21, CMR+21, PCK20, VVPM21]. **CP** [CLZG22, LSX+21, WZX20, ZZQ21]. **CP-ABE** [CLZG22, LSX+21, WZX20]. **CPU** [JCZ+22, MTA+22]. **CPUs** [vSMK+20]. **crack** [Mar24]. **cracking** [SAY20]. **Cramer** [LYY+21]. **crank** [EMS21]. **Crash** [HSHC20]. **Created** [Lew21]. **Creative** [ESD+22]. **Credential** [EZBC22]. **credentials** [Sar21]. **Critical** [STG+20, YAZ21]. **Critiques** [DM20]. **Cross** [LEBM20, VAV+20, GWZ+20]. **Cross-Architecture** [VAV+20]. **cross-domain** [GWZ+20]. **Cross-Stack** [LEBM20]. **Crosstalk** [LDX22]. **Crosstalk-Induced** [LDX22]. **Crow** [RR21]. **crowdsensing** [WHSX20]. **Crowdsourced** [DM20, PWL+22]. **Crowdsourcing** [VKV+22]. **CRS** [KLP20]. **Cryptanalysis** [BDL+21, BMV22, CLLR21, LKX20, LYY+21, ZKY21, ZCWW21]. **cryptanalytic** [OK22]. **CryptHOL**

[BLG21]. **Crypto** [Ano21a, TFNF21, FZ21, FCH21]. **crypto-currencies** [FCH21]. **crypto-ransomware** [FZ21]. **cryptocurrencies** [GDA+21, TFNF21]. **Cryptocurrency** [KLZ+21, Ano21b]. **cryptographer** [BDDL20]. **Cryptographic** [ABR+21, AHWB20, BCDS22, BCLR22, Bis21, BCM+21, BCD+20, CHWM21, Dru22, EPG+20, GMV21, HV20, HY20, KSA+21, LQD22, LV21, MH21b, SKW+21, Goo23, HRX+21, KS21b, KG20a, Lew20, MYF20, PCO20, STK23]. **Cryptography** [Ano21c, BBC+20, BS21, BGG+22, CHA20, CISM22, DH21, Dod22, DZL+22, Fag20, Gou21, KAA22, LZJZ21, MDJ20, MS21c, NVB+20, SAKH20, Sla22, TSDG22, Wes22, YAZ21, Zak21a, BMDE21, DK21, HLSC20b, HJHZ22, JK21b, LaM22, RMI22, SRD21, TITN20, WHJ20, YH22, ZWT22, uHWZ20, HLSC20a]. **Cryptojacking** [LEBM20, YYH22]. **CryptoLesion** [TRRB20]. **Cryptology** [BS21, DSP20]. **CryptoQNRG** [STK23]. **Cryptosystem** [AAA20, YCL+20, DK21, MS21a, NAB22, PA21, ST21]. **Cryptosystems** [BRPM22, BBB+23, LYY+21, XPR+22, ZBT22, HLZ21]. **CryptSQLite** [WSS+20]. **CrySL** [KSA+21]. **Crystals** [ZHL+21]. **Crystals-Dilithium** [ZHL+21]. **cube** [ZCWW21]. **cube-attack-like** [ZCWW21]. **cubic** [ST21, ZZ21a, ZKY21]. **Cultural** [ESD+22, ZOZ21]. **currencies** [FCH21]. **Currency** [AHWB20, Goo21]. **Current** [KTCI21, PSGM22]. **Curtain** [ASV+21]. **Curve** [CISM22, DZL+22, Fit22, JKM21, MDJ20, HLZ21, HJHZ22, PA21, SRD21, WHJ20, WGYZ22]. **Curves** [BL22b, AAA20, LIJ20, ZWT22]. **Custodianship** [Goo21]. **CVE** [Koo20]. **CVE-2019-11510** [Koo20]. **CyaSSL** [Gar21]. **Cyber** [JDZ+21, KSK20, LNE+20, CDG+20, XWW+20]. **Cyber-physical** [KSK20, LNE+20, CDG+20, XWW+20]. **Cyberattack** [Kad21]. **CyberEyes** [FZH21]. **Cybersecurity** [FZH21, SSW21, vSRW+20]. **Cytology** [MDD+21].

D [JKM21, KSSR20, MWVK21, NAP+20, PPS21, jSZyW+20]. **DAG** [GPPB+21]. **DAG-Based** [GPPB+21]. **Daily** [SLLC21]. **Damage** [Kad21]. **dangerous** [ZY20]. **Data** [AG22a, AHSL22, BKP22, BAR+21, CCKH21, CWS+21, CPN+21, DC20, FZ21, FSK+22, FFK+22, GQZ21, GPPB+21, GWF+21, GMS+20, KSA20, KPG+20, LLLZ21, LYDZ21, LHY+21, LYZ+22, MSU+20, PWL+22, PYC21, RN22, SUBG21, SHHM21, SZC+21, SLL+21, TRB+21, WSS+20, WWW20, WHC20, WL21, WYLG21, XCV22, XLL+22, vSMK+20, AKY20, AP21, CRJ+22, CKV22, GJCJ20, HN22, HIMM20, HH21, HLH+20, KS20, Lap22, MBK+21, NBJ21, OK21, Pan20, PK21, RFT22, RH20, SPJ20, SAY20, SKE20, SAS21, SWK+20, TSR+20, WDJZ22, XRL+21, XCB+20, XWW+20, YD22, YZL22, ZWW+21, ZWT22, ZLC+20]. **Data-centric** [FZ21]. **data-intensive** [HLH+20]. **Database** [Kad21, CLLR21, KLC22]. **Databases** [YYZ+20, CKV22, SWLL21]. **Dataflow** [FFK+22, ABC+21]. **Datapath** [UMM+20]. **Dataset** [RK21]. **Datasets** [CAN+21, SKE20]. **datestamp** [LWSQ21]. **datestamp-based** [LWSQ21]. **dating** [LGT+20]. **DDoS** [ZXY20]. **De-Clustering** [CCKH21]. **decentralized** [XRL+21, ZZ21b]. **Decentralizing** [Yiu21]. **Deception** [ADY+21]. **Decidability** [Kou21]. **Decipher** [JMKM21]. **Deciphering** [BSS+22, GXZ+22]. **Decision** [GXZ+22]. **Decision-Making** [GXZ+22]. **Decisions** [AMGBK22]. **Decoding** [ZYH+20]. **decomposition** [Gyo20, SAY20]. **decrypt** [BBC+21]. **Decryption** [CLZG22, CPN+21, PCV+21, KMT20,

STK20, TW21, ZZQ21]. **Dedup** [GJCJ20]. **Deduplication** [LLT+20, LHR+22, LYDZ21, GJCJ20]. **Deep** [ASMK22, BB22, GRA21, LTDZ22, LXZ+22, RR21, SLLC21, SYKL21, YYH22, ZYH+20, ACMP21, SHB22]. **Deep-Learning** [BB22]. **DeepKey** [ZYH+20]. **DeepPeep** [JMKM21]. **Defeat** [Tur20]. **Defending** [LEBM20]. **Defense** [KSK20, LDX22]. **Defenses** [LLT+20, LZJZ21, WYZZ21]. **DeFFusion** [LTDZ22]. **deficiencies** [Jov20]. **Definitions** [ALKP21]. **degenerate** [HLZ21]. **Degree** [KSM22, LLA+21]. **Delay** [SKR+20]. **deletion** [XCB+20]. **Dembowski** [WDFN21]. **Democratizing** [Sla22]. **Demystifying** [Ano20, CDM20]. **Dendritic** [FSN21]. **Deniable** [SW21, CC21b]. **densely** [RSB22]. **density** [CGJ20]. **Deoxys** [LC22]. **Deoxys-BC** [LC22]. **dependent** [NCM22]. **Deploy** [GMD+22]. **deployed** [RSB22]. **Deploying** [MHS+20]. **Deployment** [BSA+20]. **Deprecate** [Gar21]. **derivation** [XCB+20]. **Derivatives** [DM20]. **descriptors** [DSP20]. **Design** [AMGBK22, AAAKJ22, BR22, CDG+20, ISK21, JMKM21, KLZ+21, LNE+20, LLP+20, LQD22, QAQA21, RDM+21, SKB+22, ZYD+20, ZHL+21, AAA20, DDD21]. **Designated** [WHJ20]. **Designated-verifier** [WHJ20]. **Designing** [SSW21]. **Designs** [WDFN21]. **Desktops** [BP20]. **DESL** [JZD21]. **Desynchronization** [ZZX+21]. **Detecting** [SUBG21, YC22b, CMR+21]. **Detection** [ABM21, ADY+21, FSN21, FAlS+22, GGA+20, HMLZ21, KSA20, LWL+21, MCLL21, OLZ+20, VAV+20, YYH22, ZWW+21, ZWR+20, ZJZL20, CGJ20, DAK20b, FZ21, GAGV+21, PK21, RIW22, SP20a]. **Determining** [VKKG22]. **Deterministic** [LMG20, HYZ+20b]. **developments** [VPK20]. **Device** [Bra21, BCM+21, JCZ+22, MS22a, PGCK22, YHC20, ZCJ+21]. **Device-to-device** [Bra21]. **Devices** [AG22b, CXZ+21, GVM+20, JLZ+20, KPG+20, SLZ+21, TSY+21, TCH21, TMG+21, BR22, DAK+20a, ESA21, HLH+20, VDSB22, WWC+20, XCB+20, XMZ+20]. **dew** [Bra22]. **dew-assisted** [Bra22]. **diagnosis** [LLX+20, MCF+22]. **Diagonal** [AG22a]. **dictionary** [LYSC21]. **dies** [Mcl20]. **difference** [LT22]. **Differential** [JZD21, RBM21]. **Differential/Linear** [JZD21]. **Differentially** [WL20]. **Diffie** [DG21, Sla22]. **diffusion** [ZWZ+22]. **Digital** [Cam20, DD20, Goo21, JKM21, SK20b, STJ+21, WFRZ21, Zak21a, CQSN20, Mar24, TV21, XRL+21, YFW20]. **Dilithium** [ZHL+21]. **Dimensional** [ANSS21, Zak21a]. **diophantine** [CBJ22]. **Directions** [AZH22, DH21]. **Disassembly** [KLR+20]. **Disclosure** [AARV21]. **Discovery** [PWL+22, YC22a]. **Discrete** [SK21, ZSS20, VCP21]. **Discriminant** [BB22]. **Discriminative** [BP20, TMZ+20]. **Discussion** [Ano21c]. **disjunctive** [TSR+20]. **disk** [HLH+20]. **Dissemination** [GMS+20, LHY+21]. **DISTILLER** [ACMP21]. **Distinguisher** [ZY21]. **Distortion** [BA20]. **Distributed** [GAGV+21, PCV+21, WQL+21, XLL+22, YYZ+20, AMSL20, CBN+20, SK20b, ZZ21b]. **Distribution** [AZH22, MNR+20, NPG+22, PL22, TTL+21, Gyo20, TITN20, XMZ+20]. **Divide** [OLZ+20]. **Divide-and-Conquer** [OLZ+20]. **Division** [HLJW22]. **divisor** [LIJ20]. **divisors** [HLZ21]. **DKEMA** [NCM22]. **DNA** [ZWZ+22]. **DNN** [LTJS+22]. **DNNs** [JMKM21]. **DNS** [PCK20, Ras20]. **Do** [CC21b]. **Document** [FWCB22, PPR+20]. **Documents** [ADSAKAD22, DD20, STJ+21]. **Domain** [AS20, BVG22, GA22, OLS21, SGB20, SK21, TTL+21, BA20, GWZ+20, TSG21]. **domain-based** [TSG21]. **dominated** [KSSR20]. **door** [Lew20]. **Double** [AG22a].

DPoS [WLL20]. **driven** [LYZ+22]. **drivers** [GDA+21]. **Drives** [ISOD21]. **Drone** [MAOH21]. **Drone-enabled** [MAOH21]. **Drones** [EZBC22]. **Drugs** [STG+20]. **DTA** [TMG+21]. **DTA-PUF** [TMG+21]. **DTLS** [KG20b]. **Dual** [LYZ+22, KCML20]. **during** [RR20]. **DVREI** [LMM+22]. **DWT** [RN22, SGB20]. **DWT-Based** [SGB20]. **Dynamic** [CSA+21, EAHO21, FZL+20a, JYMP+20, KSK20, KKM21, LLLZ21, LMM+22, ODK20, POC20, SZC+21, TMG+21, Elt22, JA20, NNH+20, NCM22, ZLC+20]. **Dynamically** [RNR+21].

E-Commerce [Dru21, GWF+21]. **e-Health** [CC21a]. **E-Healthcare** [SSP21]. **E-Vote** [CKFH22]. **Early** [Fre21, NVB+20, Koz20]. **eavesdroppers** [GSS+20]. **EC** [DZL+22]. **EC-ECC** [DZL+22]. **ECC** [AS20, DZL+22, GDZL21, NA20b, PD21, SP22b]. **ECC-based** [GDZL21, NA20b, SP22b]. **ECDSA** [JCKH22, WYZ+20]. **ECG** [HIMM20]. **ECIES** [KAS+22]. **eCK** [LZ22]. **eCK-Secure** [LZ22]. **Economics** [KLZ+21]. **ecosystem** [LGCY22]. **Edge** [DZL+22, KKBL20, WWYC21, ZYA+22, AKM21, DAK+20a, DAK20b, GZG20, SHB22, WCXW22, WMK22]. **EDHOC** [VSMW22]. **Editors** [AW20]. **Effect** [LLAL22, Hug21]. **Effective** [CKV22, YG20, DZL+20]. **Effects** [GXZ+22, JIR+21]. **efficiency** [CLT22, FWZ+20, RMA+20]. **Efficient** [ADS21, BCP20, CLZG22, EZBC22, ESW21, JZWX20, KSD22, KAA22, KKM21, LFJ+20, LB21, LHR+22, LMH+21, LAKS20, NS22, wPHC21, PCV+21, SKR+20, SKE20, SLS+20, TSAS22, TRB+21, WWW20, WHC20, WDJZ22, YCM+20, ZQY+20, ZLC+20, AAH22, BGCL20, CXC+22, CKV22, HH21, KSS+20, LXG21, MS21a, MII22, MIB22, NCM22, UAACH21, ZM20]. **Ekiden** [ZHC+20]. **Election** [Ano21c]. **Electric** [EAHO21]. **electrocardiogram** [ZWT22]. **Electromagnetic** [JIR+21]. **Electromechanical** [Pau21a, TB21]. **Electronic** [ALKP21, PPR+20, FWZ+20]. **Element** [LWL+21]. **Elephant** [ZZD+21]. **Elgamal** [RN22]. **Elliptic** [CISM22, DZL+22, Fit22, JKM21, MDJ20, PA21, SRD21, WHJ20, WGYZ22, ZWT22]. **Embedded** [DZL+22]. **Embedding** [BA20, LWL+21, Nar22, RN22, ZWR+20, JYH+20, SPJ20]. **Embeddings** [MUK22]. **Emissions** [ISOD21]. **Emitting** [HLG21]. **Empirical** [AALG22]. **Employing** [JCKH22, VK22]. **empowered** [TSY+21]. **Enabled** [Alb21, Gok22, GMS+20, KJJ+21, SLLC21, AKY20, CKV22, GZG22, MAOH21, MBK+21]. **Enabling** [CCT+20, HN22, HKC+20, LHR+22, LHW21, LTJS+22, POC20, YYZ+20]. **Encapsulation** [AAT+21, HBS+20]. **enclave** [SWLL21]. **enclave-native** [SWLL21]. **Enclaves** [CCX+20]. **Encoder** [MUK22]. **encrypt** [Akl20]. **Encrypted** [ASV+21, AHSL22, BSA+20, CWS+21, FSK+22, FFK+22, FWCB22, GWF+21, GGA+20, KSA20, LLT+20, LMM+22, LHR+22, LYDZ21, LTJS+22, MPV21, PI21, PCK20, PPT22, RK21, WSS+21, YGW+20, YLZ+22, YYZ+20, ASV+22, BKL+20, CLLR21, CGJ20, CWE+21, CKV22, DZL+20, DJ20, GAGV+21, GJCJ20, KLC22, LHS+22, LXG21, LYX+22, NBJ21, RR20, Ras20, RYM21, SKE20, SCZ+20, SWLL21, WWYC21, WDJZ22, ZAR+22, ZLC+20, ACMP21]. **Encryption** [AG22a, AAI+20b, ASLB20, AS20, ANSS21, BDL+21, CCT+20, CDF+21, CSA+21, DG21, Fan21, FLYL21, FGC22, GQZ21, HKC+20, HYZH22, LIS20, LMG20, LZG+21, LMH+21, LZ20, LAKS20, LHW21, LYZ+22, MS21b, OTK+22, PPS21, Pau21a, QYZ+21, RMMH22, SW21, SHHM21, STJ+21, SS22, SZM22, SZFX20, TRV20, WCD21, WYLG21, WNK20, XJG+22, YFW20, ZDX+20, ZZC+21,

ZQY+22, ZYW+20, AA20a, AKY20, AMSL20, APTT22, AGV22, ATK+22, BR22, CLT22, CNL+20, CC21b, DAK+20a, Dat20, DRS+22, DSDR22, EIO20, ESW21, EKW22, GLY21, GLZZ20, HN22, HIMM20, HH21, HLH+20, HYZ+20b, JYMP+20, KS21b, KSSR20, Koz20, KS20, LHAM20, Lap22, LGNEAO20, LTTT20, Lee21, LB21, LLH+21, LYSC21, LWSQ21, LLHG22, LAKWC21, MBK+21, MTA+22, Mog22, NNH+20, NA20a, Pan20, PNJ+22, PK21, RR20, Raw20, RDS+22, SWZ22, jSZyW+20, SMS+20, TSR+20, TW21, TGC+21, TSG21, Tom20, TWH+21, UAACH21]. **encryption** [VPK20, WHF+20, WCZQ20, WCXW22, WLZY21, XCB+20, YC22a, ZZ21b, ZZ21a, ZGL+20, ZWT22, ZYX+20, ZWYL22, ZCLG21, ZWZ+22, AAI+20a, DSDR21]. **End** [JJK+21, KS21b, ZCLG21]. **End-to-end** [JJK+21, KS21b]. **Energy** [DH20, EZBC22, FLYL21, HH21, HLH+20, SHB22]. **energy-aware** [SHB22]. **Energy-Efficient** [EZBC22, HH21]. **Enforcement** [BCLR22]. **Engaging** [ESD+22]. **Engineering** [BGH+22]. **engines** [SWLL21]. **Enhance** [ANG20, BDL22]. **Enhanced** [AOM+21, ESA21, JCKH22, KAS+22, KG20b, DK21, PYSJ22]. **Enhancement** [RA22, SK20a]. **Enhancing** [RH20]. **enough** [RIW22]. **Ensemble** [VAV+20]. **Entity** [FZH21, GJCJ20]. **entropy** [Hug21]. **Environment** [AG22a, CKFH22, CIY+21, GMD+22, AP21, Elt22, GZG22, LWGW21, WDKV20, ZY20, FLTQ20]. **Environmental** [GPPB+21]. **Environments** [JSS20, CMR+21, MBB22, QC22a, WZZW20, WMK22]. **Equality** [LSX+21, LZG+21, LMH+21, DRS+22, LB21, LWSQ21, RDS+22]. **equation** [CBJ22, ZKY21]. **equations** [LT22, ST21]. **Erasure** [XLL+22]. **error** [SP22a]. **error-based** [SP22a]. **errors** [YH22]. **Esoteric** [Cia22]. **establishment** [QC22a]. **Estimate** [ErEE20]. **Estimation** [CBE21, ZY21, ZWR+20]. **European** [BDM+20, GPLK22]. **EV** [EAHO21]. **Evaluating** [AV20]. **Evaluation** [BDM+20, PCMPCA+20, QAQA21, SKB+22, BR22, HJHZ22, KG20a, STK23, ZWW+21]. **Even** [CFGS22, SI22]. **Even-Mansour** [SI22]. **Events** [TADS20, YC22b]. **Ever** [BL22b, RBVV22]. **Everyone** [Vac20]. **Evictions** [vSMK+20]. **Evidence** [MOP21]. **Evolution** [SZFX20, SMS+20]. **Exact** [Lem24]. **Exceptional** [Ano21c, Pau21a]. **Exchange** [AAT+21, JJK+21, LZ22, PD21, SJHL21, TCH21, VSMW22, QC22b, WHJ20, WGYZ22, ZWZ+22]. **Exchangeable** [LYY+21]. **Executable** [DM20]. **Execution** [CCX+20, FLTQ20, JSS20, SKR+20, ZY20]. **Exfiltration** [SUBG21]. **Expansion** [LLAL22]. **Experience** [BSA+20]. **Experiences** [ESD+22]. **Experimental** [QAQA21]. **Expertise** [OLS21]. **Explainable** [GXZ+22]. **Explicit** [ABR+21]. **Exploiting** [JMKM21, JFK20, LWH+22, SGZS21, ZAK+21b]. **exploits** [Jov20]. **Explore** [SP21]. **Exponent** [BNBN20, NAB22]. **Exponentiation** [BMV22, SZX20]. **exponents** [STK20]. **exposure** [KMT20, STK20, TW21]. **Expression** [WWL20]. **Extended** [STK20]. **Extending** [SAY20]. **Extensible** [KSA+21]. **Extensive** [JK21a]. **External** [GPLK22]. **extractable** [SP22a]. **Extraction** [FYY+21]. **extractors** [TLS+20]. **Extremal** [SYD21]. **Eye** [JJKJ20, SLZ+21]. **Eye-based** [SLZ+21].

Fabric [JKI+21]. **FACCT** [ZSS20]. **Face** [DKJ+21, GRA21, LWZ+21, TMZ+20]. **Facial** [DR20, WWL20]. **Facilitating** [Fre21]. **Factor** [ADS21, CPN+21, Jov20, SCRV20, WWW20, AP21, BGCL20, CC21a, FBD+20, JK21a, JJK+21, LWGW21, MBB22, RO22, SA21, SP22b, WZZW20, uHWZ20]. **Factoring**

[BGG+22, Sch21, BNB22]. **Factorization** [GXZ+22, VCP21]. **Factorizations** [Fag20]. **Failure** [XLL+22]. **failures** [WZZW20]. **Fair** [NBJ21]. **FakeMuse** [ZOZ21]. **false** [RIW22]. **Families** [WDFN21]. **Family** [LYY+21]. **Fast** [CCT+20, DVA22, FYY+21, HLZ21, JDZ+21, MWVK21, PPS21, Sch21, XLL+22, YCM+20, RSB22, ZSS20]. **faster** [BDDL20]. **FastHand** [RSB22]. **Fault** [ABR+21, BBB+23, JIR+21, RBM21]. **Fault-tolerant** [ABR+21]. **Feature** [BAR+21, DR20, GXZ+22, LTDZ22, OTK+22, SNS+20, ZCZ+21]. **Feature-Preserving** [ZCZ+21]. **Features** [BP20, Gok22, LXG21]. **Federal** [HV20]. **Federated** [AG22b, Fan21]. **FHE** [KLP20]. **Field** [Koo20]. **fight** [Ras20]. **Figured** [Pau21a, Pau21b]. **Figures** [Mar20a, Mar20b]. **File** [FWCB22, WCD21]. **File-injection** [WCD21]. **Files** [WH22]. **Find** [BL22b]. **Finding** [HSHC20]. **Fine** [FLTQ20, AK20, LCZL21, OK21, WCXW22]. **Fine-grained** [FLTQ20, AK20, LCZL21, OK21, WCXW22]. **Finger** [BB22]. **Finger-Vein** [BB22]. **Fingerprint** [LZX+22, BGCL20, SK20a, TTP20]. **Fingerprinting** [Fer21, HMLZ21, ISOD21, JCZ+22, SOA+20]. **Fingerprints** [AALG22, DD20, RYM21]. **Finite** [WCD21, EMS21]. **firewalls** [GMV21]. **First** [LP20a, LWS+21, MHS+20, LP20b, Goo23, Mar24]. **Fixed** [JCKH22]. **Fixed-Base** [JCKH22]. **FKR** [ZM20]. **Flash** [ISOD21]. **flask** [ZY20]. **Flex** [Elt22]. **Flex-CC** [Elt22]. **Flexible** [KAA22, NVB+20, Elt22, RDS+22]. **FlexiPair** [BRPM22]. **Flink** [ABC+21]. **FLIP** [RBM21]. **Flow** [DJ20, NPH+20, LXG21]. **fluctuations** [Koz20]. **Fly** [DD20]. **Fog** [JTGJ20, LWGW21, AHB21, GZG22, TWH+21, ZWW+21]. **fog-enabled** [GZG22]. **Food** [CTM21]. **forensic** [ALZ+20]. **Forensics** [ZHM20, UAACH21]. **Formal** [BBG+20, BCLR22, GXSC21, GXS+22, JK21a, MH21b, SCRV20, EKW22]. **Formalising** [BLG21]. **Formally** [Dod22]. **Format** [XJG+22]. **Format-compatible** [XJG+22]. **Fortifying** [CXZ+21]. **Forward** [BG21, WWW20, ZYA+22, CXC+22, NBJ21, NA20b]. **Forward-Secure** [ZYA+22, CXC+22]. **Foundations** [ACD20]. **Four** [RO22]. **Four-factor** [RO22]. **FPGA** [AOAAK20, HON21, HYK+20, LDX22, MMM+22, TRV20, ZBT22]. **FPGA-based** [HON21]. **FPGAPRO** [LDX22]. **FPGAs** [GNGT21, HBS+20, SKB+22]. **fractional** [JYMP+20]. **fractional-order** [JYMP+20]. **Framework** [AV20, BRPM22, BDL22, FWCB22, Gok22, GMS+20, HKC+20, JTGJ20, KJJ+21, LDX22, NPH+20, PTZM22, TSY+21, ZHM20, AA20a, BKL+20, BDM+20, LGCY22, STK23, TTT+21]. **Free** [CCKH21, HMLZ21, LHY+21, CKV22, EIO20, LSQ20, SYD21]. **Frequency** [LLT+20, LLH+21, ZZX+21]. **Frequency-hiding** [LLH+21]. **friendly** [GSS+20]. **Fu** [WCQ+20]. **Full** [MH21a, ZCLG21, STK20]. **Fully** [AA20a, OTK+22, PZJL22, AKY20, AMSL20, GLY21]. **Function** [KAS+22, PPS21, TMG+21, CHJL21, Tom20]. **function-hiding** [Tom20]. **Functional** [LZ20, ZZ21a, CLT22, Dat20, LGNEAO20, LLHG22, Tom20]. **Functions** [HYZ+20a, KSM22, LZ20, WDFN21, Zha21, Dat20, HRX+21, SI22]. **Fusion** [Gok22, LTDZ22, SCW+21, Pan20]. **Future** [AZH22, AS22, KPG+20, Lew21, PSGM22, SP21]. **Fuzzy** [DKJ+21, TLS+20, ZLC+20].

G.723.1 [WLYL20]. **gadget** [Pau21b]. **Gaits** [ZYH+20]. **Game** [LYDZ21, ZOZ21, ZJK+22]. **GANs** [WWL20]. **garage** [Lew20]. **Gate** [UMM+20, RDM+21]. **Gateway**

[PD21, PCV+21, WWYC21, CBN+20]. **Gateway-based** [PCV+21]. **GaussDB** [ZCLG21]. **Gaussian** [KAA22, YGW+20, ZSS20]. **GCHQ** [Ano24, Mar24]. **GDPR** [PYC21]. **GDPR-Compliance** [PYC21]. **GEA** [BDL+21]. **GEA-1** [BDL+21]. **GEA-2** [BDL+21]. **Gelin** [Cia22]. **general** [AA20a, EK20, WHSX20]. **Generalizable** [TMZ+20]. **Generation** [DVA22, LWH+22, NPH+20, XZH+21, STK23]. **Generative** [TZLZ21, WWYC21, HRX+21, JYH+20]. **Generators** [HD22, HSHC20]. **generic** [EIO20, HYZ+20b, LPLL20, LIJ20]. **Genericity** [CLT22]. **Genes** [BSS+22]. **genetic** [KSSR20, Pan20]. **genomic** [YC22a]. **Geo** [SNS+20]. **Geo-Contextual** [SNS+20]. **Geographically** [YYZ+20]. **Ghost** [Koz20]. **GIFT** [JZD21]. **global** [GJS20, PCC22]. **GLOR** [NNH+20]. **Golden** [HMLZ21]. **Google** [ABC+21]. **GPRS** [BDL+21]. **GPU** [APTT22, DZL+22, FNC22, GLY21, NCM22]. **GPU-based** [NCM22]. **GPUs** [JFK20, OK22]. **Gradient** [CCT+20]. **GRAIN** [ZAR+22]. **grained** [AK20, FLTQ20, LCZL21, OK21, WCXW22]. **Granular** [ZAR+22]. **Graph** [CAN+21, FZH21, FWR+20, Akl20]. **Graphical** [ADA+22]. **Graphs** [LZYZ21, ZYA+22]. **Green** [ADA+22, TSY+21]. **Grid** [WHW22]. **Ground** [XZL+22]. **Group** [Alb21, BMDE21, LMH+21, MH21a, WHW22, XWM21, Bra21, CXC+22, KKP21, PA21]. **group-characterizability** [KKP21]. **group-key** [PA21]. **Guarantees** [BDL22]. **Guarding** [DCSA22]. **guessing** [ZZQ21]. **Guest** [AW20]. **guided** [RNR+21, TTL+21].

H2O [Fer21]. **hack** [Lew20]. **hack-proof** [Lew20]. **Hadith** [BKM21]. **Hamilton** [SSvW20]. **Hand** [OLS21]. **HandiText** [FZL+20a]. **Handling** [SKW+21]. **Handover** [AKM21, GDZL21, LCZL21, RSB22, YM21]. **Hands** [Lew20]. **Handshake** [TLD+20, TLMY21]. **Handwriting** [BAR+21, FZL+20a]. **Hardness** [HY20]. **Hardware** [ABR+21, AW20, BBC+21, CRSSBMR21, DCSA22, FWR+20, GMD+22, KAA22, MDJ20, ODK20, SKW+21, SJHL21, UMM+20, YYH22, ZHM20, ZHL+21, ABMPL22, LA22, MS21a]. **Hardware-Based** [ZHM20]. **harnesses** [Koz20]. **Hash** [AOAAK20, KAS+22, PPS21, VD21a]. **Hashing** [Alb21, SK20a]. **Hashing-Based** [Alb21]. **Healing** [ADSAKAD22]. **Health** [CC21a, KPG+20, SZM22, FBD+20, GLZZ20, OK21, RO22]. **health-care** [FBD+20, RO22]. **Healthcare** [AFS+22, ASLB20, DC20, Kad21, SSP21, CRJ+22, DK21, KG20b, KMK22, WGYZ22, XWW+20]. **Healthchain** [WL21]. **Heart** [RLZ+21]. **HEAWS** [TRV20]. **HECC** [PGCK22]. **Hedged** [HYZH22]. **Hellman** [DG21, Sla22]. **Help** [ASG21]. **Helped** [Tur20, McC24, Mcl20]. **Hepatocellular** [BSS+22]. **Heritage** [ESD+22, ZOZ21]. **Hermes** [Mog22]. **Hermitian** [AAA20]. **Heterogeneous** [XWH21, YHC20, ZXY20]. **heuristic** [vSRW+20]. **Hidden** [HYK+20, LGT+20, Mar20a, TB21, Mar20b, ZWW+21, ZZQ21, YGW+20]. **hide** [LA22]. **Hiding** [CCKH21, RN22, SHHM21, SZM22, WH22, LLH+21, SYD21, Tom20]. **Hierarchical** [SLL+21, YDS+20, AMSL20, CGJ20, GLZZ20, KMT20, Lee21, LHS+22, ZZhC22]. **High** [EPG+20, ISK21, LQD22, UMM+20, WSS+20, FWZ+20, MS21a, MTA+22]. **high-efficiency** [FWZ+20]. **High-Level** [EPG+20, ISK21]. **High-Security** [LQD22]. **high-speed** [MS21a]. **Higher** [GXSC21, ZY21]. **Higher-Order** [GXSC21]. **History** [Pau21b, WH22]. **HLS** [ZBT22]. **hoc** [ABB22, PA21, RAN22, SWK+20].

Home [JLZ+20, GZG20, GZG22, JHS+21, PGCK22]. **Homomorphic** [CJS+20, CDF+21, Fan21, MPV21, OTK+22, TRV20, WNK20, AA20a, AKY20, FWZ+20, GLY21, HN22, KKP21, MTA+22, YC22a, YFW20]. **Homomorphic-Encrypted** [MPV21]. **Homomorphically** [AHSL22, LTJS+22]. **hop** [LHAM20]. **Horizontal** [AAT+21]. **HPC** [Lap22]. **HSE** [FWZ+20]. **HSE-Voting** [FWZ+20]. **Hu** [WCQ+20]. **Hu-Fu** [WCQ+20]. **Huffman** [HIMM20]. **Human** [SOA+20, VKV+22]. **Human-Centered** [VKV+22]. **Hybrid** [DR20, DK21, GXSC21, LYDZ21, TMKS20, WLL20, YG20, GWW+22, MS21a, NNH+20, WCZQ20]. **Hyper** [ANG20]. **Hyper-Chaotic** [ANG20]. **hyperchaotic** [JYMP+20]. **hyperelliptic** [HLZ21, LIJ20]. **Hyperledger** [JKI+21]. **Hypothesis** [RBVV22].

IBE [KMT20, ML20]. **IBM** [BCD+20]. **ICMetric** [TTT+21]. **ID** [LSQ20, LMH+21]. **ID-Based** [LSQ20, LMH+21]. **Ideas** [Lew21]. **Idempotent** [Fag20]. **Identification** [BP20, DKJ+21, KLR+20, PPR+20, PZJL22, RA22, SLZ+21, YLZ+22, ZJZL20, ALZ+20, DJ20, RYM21, TTL+21]. **Identities** [Dru22, cC21c]. **Identity** [ADY+21, BL22b, Cam20, Cia22, CTM21, DG21, EKW22, Gou21, LHHW22, LLLZ21, LWSQ21, LLP+20, LWZ+21, ML20, POC20, SZC+21, SWZ22, SP20b, TTL+21, TCH21, TMZ+20, Vac20, VKKG22, WWL20, XCV22, YDS+20, YZL22, ZWG+20, ZYX+20, BDM+20, cC21c, CHJL21, CBJ22, DSDR21, DSDR22, ESW21, Hon22, LPLL20, Lee21, LGCY22, LHO+20, LGT+20, PNJ+22, PM21, Sar21, SMS+20, SSvW20, TW21, UAACH21, ZGL+20]. **identity-augmented** [PM21]. **Identity-Based** [Gou21, LHHW22, LLLZ21, SZC+21, TCH21, XCV22, YDS+20, ZWG+20, DG21, EKW22, LWSQ21, SWZ22, YZL22, ZYX+20, DSDR21, DSDR22, ESW21, LPLL20, Lee21, PNJ+22, SMS+20, TW21, UAACH21, ZGL+20]. **Identity-Discriminative** [TMZ+20]. **Identity-guided** [TTL+21]. **Identity-Preserving** [WWL20]. **IDPC** [CGJ20]. **IEEE** [ZM20]. **iFlask** [ZY20]. **II** [BBC+20, Mcl20]. **IID** [WL20]. **IIoT** [HN22, LXG21]. **Image** [Alb21, BVG22, CHWM21, GA22, KS21a, LYSC21, MDD+21, RA22, RR21, SS22, TSAS22, TZLZ21, YG20, YLLL21, Zak21a, ZZC+21, DSP20, DAK20b, KSSR20, SCZ+20, jSZyW+20, WLZY21, YFW20, ZWYL22, ZWZ+22]. **Image-Adaptive** [YG20]. **image-based** [DSP20]. **Images** [CCKH21, JKM21, LMM+22, RA22, WFRZ21, XJG+22, McC24, TSG21]. **Impeccable** [AMR+20]. **Implementation** [VDK+21, CRSSBMR21, LNE+20, LAKS20, MMM+22, PCMPCA+20, EIO20, FNC22, LFJ+20, wPHC21, ZZ21a]. **implementations** [AA20a, RMA+20]. **implicit** [ZZhC22]. **Implies** [CFGS22, cC21c]. **Improved** [CIY+21, FSN21, KG20a, LC22, LIJ20, LZX+22, MG21, WCD21, ZCWW21, CGJ20, KS20]. **Improvement** [STK20, XWM21]. **Improving** [JZD21, NAB22, OK22, WSS+21, ZJK+22, FA21]. **impulsive** [WLZY21]. **in-Memory** [CCT+20]. **Inaudible** [LWH+22]. **Incentives** [KLZ+21]. **including** [Jov20]. **Increasingly** [ASV+21, ASV+22]. **Incremental** [FZL+20a]. **Independent** [LYCW20]. **Indeterminacy** [HMT+20]. **Index** [CC21b, LYY+21, WLYL20, SSvW20]. **Indicator** [CCKH21]. **Indicator-Free** [CCKH21]. **Indistinguishability** [Kou21, SW21, LHAM20]. **indoor** [AK20]. **Induced** [LDX22]. **Induction** [JCZ+22]. **Industrial** [CDF+21, RIW22]. **Industry** [Dod22, STG+20]. **inequality** [EMS21]. **Inference** [Kou21, LTJS+22, MTA+22].

Inferring [BSA+20]. **Infinite** [WDFN21, CLH+21, DDD21]. **infinite-use** [CLH+21]. **Information** [AA20b, CTM22, FAlS+22, HV20, LLT+20, LSY+20, NPH+20, WH22, ALZ+20, DZL+20, GDZL21, Wes22, YHC20]. **Information-Processing** [HV20]. **Infrastructure** [CB22, GMD+22, KMK22]. **Infrastructures** [YAZ21]. **Inherently** [ABR+21]. **Injection** [JIR+21, WCD21]. **inner** [CLT22, LLHG22, Tom20]. **Input** [FZL+20b, LMG20, LZ22, Lap22, Tom20]. **Insider** [LMH+21]. **Insolar** [KLZ+21]. **inspired** [CBJ22]. **Instability** [WLZY21]. **instance** [LPLL20]. **instantiation** [EIO20]. **instantiations** [EKW22]. **Instruction** [KLR+20]. **Integer** [BGG+22, PTZM22, VCP21]. **Integers** [DVA22, Sch21, ZSS20, TITN20]. **Integrated** [XZL+22]. **Integrating** [CISM22, SS22]. **Integration** [AAAKJ22, NAP+20, PK21]. **Integrity** [BKP22, HOV20, SP22a, XWW+20, YZL22]. **Intel** [CCX+20, CDF+21, vSMK+20]. **Intelligence** [Tur20, MYF20, GAGV+21]. **Intelligent** [AFS+22, ALZ+20, DZW+21, PA21]. **intensive** [HLH+20]. **inter** [XZL+22]. **inter-constellation** [XZL+22]. **Interactions** [Fer21]. **interactive** [GMV21]. **interference** [BBC+20]. **Internet** [AAAKJ22, ADA+22, EZBC22, EAHO21, GWW+22, HRX+21, JZWX20, KTCI21, KS21b, KKBL20, KG20b, KSC+22, MYF20, NBJ21, POC20, RMMH22, SPJ20, SVK+22, SP20a, TSY+21, UAACH21, XLL+21, XZH+21, ZZ21b, ZWT22, vO20]. **Internet-of-Things** [KSC+22]. **Interpolation** [ZZD+21]. **Introduction** [AW20]. **Intrusion** [FSN21, KSA20, ZJZL20, PK21]. **inverse** [GBG20]. **Invertible** [TTP20]. **Investigating** [GPLK22, LYDZ21]. **investigation** [UAACH21]. **involving** [GJCJ20]. **IoMT** [KMK22]. **IoMT-based** [KMK22]. **IoT** [KKBL20, MYF20, AG22b, Alb21, AP21, AAH22, AAA20, AHB21, BR22, BBTC20, Bra22, CIY+21, CTM22, DAK+20a, Fer21, FA21, FBD+20, GPPB+21, GMD+22, GVM+20, GWZ+20, HMT+20, HD22, KAS+22, KSS+20, LYEK22, LAKS20, LWGW21, MMM+22, MBK+21, MBB22, PCV+21, QAQA21, RMI22, SRD21, SA21, SSP21, SHB22, VAV+20, VD21b, WQL+21, WDKV20, XCB+20, ZZQ21, ZSS+22, ZHM20]. **IoT-based** [KSS+20, SA21, SSP21]. **IoT-Enabled** [Alb21]. **IOTA** [GPPB+21, VD21b]. **IoVs** [VD21a]. **IP** [ASMK22, Bis21, ISK21, SNS+20]. **IPv6** [ATS+21]. **Iris** [JJKJ20, RAN22, NA20a]. **Iris-based** [RAN22]. **irreversible** [GBG20]. **isogenies** [QC22b]. **isogenous** [HJHZ22]. **isogeny** [HJHZ22, QC22a]. **isogeny-based** [HJHZ22]. **Isolate** [ZY20]. **Isolation** [CFGS22, WHC20]. **Issue** [AHWB20, AW20].

jammers [GSS+20]. **Jewels** [vO20]. **join** [SHB22]. **Joint** [AS20, STJ+21]. **JPEG** [PTZM22, XJG+22]. **Jr** [ZCWW21, ZLD+20]. **just** [RIW22].

K-16 [SSW21]. **K2** [MG21]. **Keccak** [VDSB22, ZCWW21]. **Keccak-MAC** [ZCWW21]. **Keeping** [Vac20]. **Kernel** [CMR+21]. **Kernel-level** [CMR+21]. **Ketje** [ZCWW21, ZLD+20]. **Ketje-Jr** [ZCWW21]. **Key** [AZH22, AAT+21, BBB+23, BSS+22, BGG+22, FGC22, GA22, Gua21, HBS+20, HYZH22, ISK21, JJK+21, LNE+20, LMG20, LZ22, LZG+21, LLAL22, LWH+22, MG21, MNR+20, PD21, PL22, QYZ+21, RHCB21, RHSH23, SSP21, SAKH20, SJHL21, TCH21, VSMW22, WQL+21, WHW22, XZH+21, ZQY+22, ZLD+20, BGCL20, Bra22, CDG+20, CLH+21, CC21a, DRS+22, Gyo20, HLSC20a, HLSC20b, JZWX20, KMT20,

LB21, MS21a, MII22, MIB22, NCM22, PGCK22, PA21, QC22a, QC22b, RDS+22, STK23, STK20, TTT+21, TW21, WGYZ22, WCXW22, XCB+20, XMZ+20, XLL+21, YF22, uHWZ20]. **Key-Based** [GA22]. **key-dependent** [NCM22]. **Key-Expansion** [LLAL22]. **Key-Obfuscated** [ISK21]. **Key-Recovery** [ZLD+20]. **key-scheduling** [STK23]. **Key-sharing** [RHCB21]. **Keys** [AHSL22, BK23, CWS+21, DVA22, Goo23, ZGL+20]. **Keystroke** [KHV20]. **keyword** [SZM22, ZLC+20]. **keywords** [EIO20]. **KGC** [EKW22, LWS+21]. **Know** [OLS21]. **Knowledge** [CFGS22, LZYZ21, SCW+21, WZXX20, YD21]. **Known** [HMT+20, LSY+20]. **KORGAN** [KKM21]. **KPI** [CBE21]. **Kravatte** [ZZD+21]. **Kreyvium** [RBM21]. **Kubernetes** [PL22]. **Kullback** [McI21]. **Kyber** [XPR+22].

label [ZAR+22]. **Ladder** [NS22]. **Lag** [ZZC+21]. **Lag-Complex** [ZZC+21]. **LAM** [WDKV20]. **LAM-CIoT** [WDKV20]. **laminography** [LA22]. **language** [Mog22]. **languages** [RMA+20]. **Large** [AALG22, BCDS22, HLJW22, LSX+21, LTJS+22, FA21, KG20a]. **Large-Scale** [BCDS22, AALG22, FA21]. **Last** [Pau21b]. **latency** [AKM21]. **Later** [MS21b]. **Lattice** [CLH+21, DSDR21, KSD22, KAA22, KMT20, RHCB21, RDS+22, TW21, WCXW22, XPR+22, ZBT22, CXC+22, DK21, DRS+22, jSZyW+20, YH22]. **Lattice-Based** [XPR+22, ZBT22, CLH+21, DSDR21, KMT20, RHCB21, RDS+22, TW21, WCXW22, CXC+22, DK21, DRS+22, YH22]. **Lattices** [BNBN20, LMG20, RHSH23, DSDR22, LB21, LAKWC21, PNJ+22, SP20b]. **law** [BMDE21]. **Layer** [CCKH21, TSDG22, XZL20, XTHL21]. **Layout** [XLL+22]. **Lazy** [NRS20]. **LDPC** [HBS+20, WCZQ20]. **Leakage** [Bis21, CSA+21, DH20, HYZ+20a, HYZH22, JFK20, LLT+20, LZ22, LSQ20, LHY+21, LZX+22, LDX22, QYZ+21, TLS+20, TCH21, XPR+22, ZQY+22, ZYW+20, ATK+22, ZYX+20, ZXQ+21]. **Leakage-Amplified** [ZQY+22, ZYX+20]. **Leakage-Free** [LHY+21, LSQ20]. **Leakage-Resilient** [HYZH22, TCH21, ZYW+20, TLS+20, ZXQ+21]. **Leaking** [CY22, TSFS21, vSMK+20]. **Leap** [HSHC20]. **Learning** [ABM21, AG22b, ASMK22, BB22, CBE21, DCSA22, Fan21, HON21, LXZ+22, PZJL22, RAD20, SUBG21, SLLC21, SYKL21, TMZ+20, VAV+20, WNK20, WCYL20, YYH22, ACMP21, DAK20b, SP22a, YH22, SHB22]. **ledgers** [SK20b]. **Leffler** [MII22]. **Lesion** [TRRB20]. **less** [DKJ+21]. **Level** [BBC+20, EPG+20, ISK21, LIS20, NAP+20, CMR+21, MYF20, SP20a]. **Leveraging** [HMLZ21, LYCW20, SWCS21]. **LFA** [LZX+22]. **library** [Gar21]. **Lie** [SSvW20]. **Life** [KLZ+21]. **lifetime** [MS21a]. **Lifting** [BVG22]. **Light** [HLG21, Koz20, MAOH21, JYH+20]. **light-weight** [MAOH21, JYH+20]. **Lightweight** [AAK+21, ASMK22, AHB21, BL22a, CIY+21, Gua21, HPGM20, HBS+20, JDZ+21, LZG+21, OLZ+20, PD21, RMI22, SSP21, TCH21, VSMW22, WHW22, ZSS+22, CWE+21, FBD+20, GL22, GWW+22, HBO21, KS21b, MMM+22, Mog22, RMA+20, SRD21, TSG21, TKP21, WMK22, XWW+20, YM21, uHWZ20, AP21, WDKV20]. **Like** [LYY+21, JDZ+21, LLAL22, ST21, ZCWW21]. **Limitations** [KTCI21]. **Limited** [JLZ+20, TCH21]. **limits** [SAY20]. **LINE** [WH22]. **Linear** [ANSS21, JZD21, WDFN21, Zak21a, EK20, JA20, KCML20]. **Linguistic** [LZYZ21]. **Linkable** [TLD+20]. **Linux** [CMR+21]. **LMAAS** [AP21]. **LMAAS-IoT** [AP21]. **Local** [Gok22, HY20, MH21a, DSP20, KSSR20]. **Locality** [ANSS21]. **Localization** [MOP21].

Location [Kha21, AK20, RR20, WHSX20, WDJZ22]. **location-authentication** [WHSX20]. **location-based** [AK20, WDJZ22]. **LocAuth** [AK20]. **Lock** [SHB20, ASMK22]. **Lockout** [ISK21]. **logarithm** [VCP21]. **Login** [SCRV20]. **Logins** [Dru21]. **Logistic** [ZZC+21, WHF+20]. **Long** [YLZ+22, LaM22]. **Look** [ASV+21]. **looking** [CC21b]. **lossless** [HIMM20]. **Lossy** [HYZ+20a]. **Low** [CKFH22, FLYL21, LQD22, ZQY+20, Hug21]. **Low-Overhead** [LQD22]. **Low-Power** [ZQY+20]. **Lower** [AARV21, HY20, YD21]. **Lower-bounds** [AARV21]. **LSTM** [FZL+20a, LWL+21]. **LTE** [MS22b]. **Lucky** [SHB20]. **Luke** [SHB20]. **LWE** [LAKS20, NVB+20, SP22a, SYD21, YCL+20, YH22].

M2M [BL22a, YHC20]. **M2M-device** [YHC20]. **MAC** [DK21, TSDG22, ZCWW21, NA20a]. **MAC-MELBC** [DK21]. **Machine** [ABM21, CBE21, DCSA22, Fan21, HON21, Pau21b, Pau21a, SUBG21, WNK20]. **machines** [SAL20]. **Magnetic** [ISOD21, JCZ+22]. **MAGNETO** [ISOD21]. **Magnifying** [XPR+22]. **Maintaining** [TS20]. **maintenance** [MCF+22]. **Major** [Pau21a]. **majority** [SYD21]. **Make** [Lew20]. **Makers** [Sch20]. **Making** [GXZ+22]. **Malicious** [LWS+21, CGJ20, SYD21]. **Malicious-But-Passive** [LWS+21]. **malicious-majority** [SYD21]. **Malleable** [YD21]. **Malware** [VAV+20]. **Management** [CTM22, LHR+22, TADS20, BDM+20, CRJ+22, HLSC20a, HLSC20b, LGCY22, LXG21, LHO+20, PA21, Sar21]. **Managing** [CBN+20]. **MANETs** [Alb21]. **Manipulation** [MWVK21]. **Mansour** [SI22]. **Many** [XWH21]. **Many-core** [XWH21]. **Map** [ANG20, JKM21, PPS21, TSAS22, Zak21a, ZZC+21, KSSR20, LKX20, MII22, jSZyW+20]. **mapping** [WHF+20]. **mapping-based** [WHF+20]. **maps** [KCML20, MIB22]. **Markov** [YGW+20]. **Martin** [Sla22]. **mask** [Pan20]. **Masked** [GPPB+21, GXSC21]. **Masking** [GXS+22, LZX+22]. **massive** [SHB22]. **Master** [GWZ+20]. **Master-slave** [GWZ+20]. **matching** [LGT+20]. **MATEC** [CWE+21]. **Mathematical** [RRN21]. **matrices** [SSvW20]. **Matsui** [JZD21]. **maximizing** [MS21a]. **mCityPASS** [PCMPCA+20]. **Me** [ASG21, CC21b]. **Measurement** [LYX+22]. **Measures** [HON21]. **Mechanism** [ATS+21, CAN+21, GVM+20, WCYL20, YLZ+22, BBTC20, GWZ+20, HIMM20, LWSQ21, WDKV20, ZXY20, ZZhC22, ZCLG21]. **Mechanisms** [LWL+21, MCLL21, LGNEAO20]. **Media** [ADY+21, VKKG22, ALZ+20]. **Medical** [RRN21, WL21, ZWT22, CRJ+22, LLX+20, Pan20, TGC+21, TSG21]. **Medicine** [WNK20]. **Meet** [LC22]. **Meet-in-the-Middle** [LC22]. **meets** [CLT22]. **MELBC** [DK21]. **Member** [GPLK22]. **Membership** [LYZ+22]. **Memory** [BBC+20, CCT+20, YC22b, YCM+20, YLZ+22]. **memristive** [ZWYL22]. **memristor** [JYMP+20]. **Memristors** [CHA20]. **Mesh** [ZCZ+21, NNH+20]. **message** [DK21, NCM22, YFW20]. **Messaging** [GPPB+21, HLS+21]. **MESSB** [SP22a]. **MESSB-LWE** [SP22a]. **Metadata** [LHR+22]. **Metaheuristic** [Gok22]. **Metaheuristic-Enabled** [Gok22]. **Metaheuristics** [JDZ+21]. **Method** [BNBN20, ErEE20, JCKH22, LXZ+22, QGL+22, RN22, RMMH22, SKR+20, SK21, TTL+21, WHW22, WZX20, YYH22, ZZX+21, ABB22, BNB22, CGJ20, DJ20, JA20, SPJ20, ZWW+21]. **Methods** [BKM21, LWL+21, MH21b, KSC+22, VPK20]. **Metric** [GGA+20]. **Michael** [Ano21c]. **Micro** [ABM21]. **Micro-Architectural** [ABM21].

Microarchitectural [LZJZ21, SGZS21]. **Microarchitecture** [ODK20]. **Middle** [LC22]. **Middlebox** [HKC+20]. **middleware** [CBN+20]. **Mimicry** [KHV20]. **Mining** [EFPS+22]. **miRNAs** [BSS+22]. **Mitigate** [JIR+21]. **mitigation** [FZ21]. **mitigations** [Hug21]. **Mittag** [MII22]. **Mittag-Leffler** [MII22]. **Mixed** [TSAS22, XLL+22, YFW20]. **mixture** [YGW+20]. **mKdV** [Zak21a]. **Mobile** [ADS21, ATS+21, GQZ21, MS22a, SCRV20, SLZ+21, SCW+21, ZZ21b, AKM21, HLH+20, JZWX20, KSS+20, LGT+20, PCC22, QC22a, RAN22, WWC+20, WMK22, ZCJ+21]. **mobility** [AKM21, GJS20, PCC22]. **mock** [CHJL21]. **Modalities** [VK22]. **Modbus** [CISM22]. **Model** [AFS+22, AKI20, BAR+21, FZH21, FGC22, GXZ+22, LSX+21, LSY+20, MH21a, MVBK21, Nar22, TRRB20, ZCZ+21, AHB21, DAK20b, DRS+22, EKW22, JYH+20, RDS+22, DSDR21]. **Modeling** [LYEK22, SYKL21, WSS+21]. **Modelling** [BCLR22]. **Models** [ASMK22, BSA+20, LTJS+22, MS22a, YGW+20, YGW+20]. **Modern** [BG21, CY22, Hon22, HD22]. **Modification** [ZZX+21]. **Modified** [WLL20, DK21]. **Modular** [BMV22, SZX20, wPHC21]. **Modulation** [WLYL20]. **Module** [MDJ20]. **Modules** [JCZ+22]. **modulo** [CHJL21, TITN20]. **moments** [EMS21]. **Money** [ADS21]. **Monitoring** [CBE21, WSS+21, HIMM20, WGYZ22]. **Montgomery** [NS22, SAKH20]. **Motion** [CXZ+21]. **Movements** [OLS21]. **MPI** [MTA+22]. **MSP430X** [SAKH20]. **MTHAEL** [VAV+20]. **Multi** [ADS21, JK21a, KSD22, LMG20, LHY+21, MYF20, PPT22, RMMH22, SSP21, SCRV20, SZM22, TTL+21, Tom20, WWW20, WZX20, ZWR+20, AP21, KK20, LHAM20, LTTT20, LPLL20, LLX+20, LWGW21, MII22, NBJ21, RYM21, SP22a, SCZ+20, SP22b, TWH+21, WCZQ20, WZZW20, XRL+21, YF22, ZAR+22, ZLC+20, uHWZ20]. **Multi-Authority** [WZX20, TWH+21]. **multi-channel** [LTTT20]. **multi-extractable** [SP22a]. **Multi-Factor** [ADS21, SCRV20, WWW20, JK21a, AP21, LWGW21, SP22b, WZZW20]. **multi-hop** [LHAM20]. **Multi-input** [Tom20]. **multi-instance** [LPLL20]. **Multi-keyword** [SZM22, ZLC+20]. **multi-label** [ZAR+22]. **Multi-level** [MYF20]. **multi-owner** [NBJ21]. **Multi-Party** [LHY+21, SSP21, LLX+20]. **Multi-Scale** [ZWR+20]. **multi-secret** [YF22]. **multi-server** [KK20, MII22, WZZW20, uHWZ20]. **Multi-Signature** [KSD22]. **multi-smartphone** [RYM21]. **multi-source** [SCZ+20]. **Multi-target** [TTL+21]. **Multi-Tier** [RMMH22]. **multi-type** [XRL+21]. **Multi-use** [LMG20]. **multi-user** [WCZQ20]. **Multi-writer** [PPT22]. **multicarrier** [Gyo20]. **multicast** [Elt22]. **Multichannel** [WFRZ21]. **multicores** [OK22]. **multifactor** [Jov20]. **Multikey** [KLP20]. **Multilateral** [JKI+21]. **Multilayer** [FZL+20b]. **Multilayer-Perception-Based** [FZL+20b]. **Multimedia** [ADA+22, KJJ+21, NPG+22, HOV20]. **Multimedia-based** [ADA+22]. **Multimodal** [AFS+22, CN21, Gok22, ZYH+20, ACMP21]. **Multiparty** [KLP20]. **Multiple** [AHSL22, BL22b, CWS+21, DZW+21, FZL+20b, HKC+20, LWL+21, SKW+21, WFRZ21, XZL20, EIO20, GLZZ20, TSG21]. **Multiple-Input** [FZL+20b]. **multiple-watermarking** [TSG21]. **Multiplication** [BMBM20, CRSSBMR21, MDJ20, SAKH20, ZQY+20, HLZ21, wPHC21]. **Multipliers** [Lem24]. **multitask** [ACMP21]. **multitiered** [RH20]. **multitype** [KS20].

Multivariate [DST20, CNL+20]. **Murru** [NAB22]. **Mutual** [LXZ+22, LWGW21, TCH21, ABMPL22, AAH22, MAOH21, RO22, TKP21]. **My** [ASG21, Dru21].

Naked [LA22]. **Name** [KHM20]. **Nanometer** [TB21]. **Nanometer-Scale** [TB21]. **Narratives** [ESD+22]. **native** [SWLL21]. **Nazi** [Mar24]. **Nazis** [Tur20]. **NDN** [KHM20, WZX20]. **neighbour** [YM21]. **Net** [GRA21, WWL20]. **Netherlands** [Koo20]. **Network** [ABR+21, BSS+22, CCT+20, CJS+20, FZH21, Gok22, KS21a, KSA20, KLZ+21, PI21, RR21, VAV+20, WWYC21, WSS+21, ZJZL20, AHB21, CWE+21, DSP20, GSS+20, HLSC20a, HLSC20b, PCC22, PK21, RAN22, RO22, SHB22, SWK+20, YM21]. **Network-Based** [BSS+22, ABR+21]. **Networking** [BKP22, MNR+20]. **Networks** [AZH22, ATS+21, ABB22, BL22a, KJJ+21, LHZZ20, MOP21, NPG+22, TZLZ21, TSDG22, WHF+20, XTHL21, AK20, DK21, FBD+20, GJS20, GZG20, GDZL21, HRX+21, JHS+21, KS21b, LCZL21, LGT+20, MS22b, NNH+20, PGCK22, PA21, RMI22, RSB22, VVPM21, ZM20, ZWYL22, uHWZ20, XZL+22]. **Neural** [ABR+21, CCT+20, Gok22, KS21a, LHZZ20, LZYZ21, LWZ+21, VAV+20, CWE+21, HRX+21, PK21, ZWYL22]. **Neutral** [ZHM20]. **News** [Mon20, Ras20]. **Next2You** [FAlS+22]. **nilpotent** [SSvW20]. **NIST** [wPHC21]. **NN** [ASMK22, CWS+21, KLC22]. **NN-Lock** [ASMK22]. **No** [LA22]. **node** [wPHC21, SP20a]. **Noise** [WL20, YLLL21]. **Non** [BBC+20, FBH+22, LZX+22, MSU+20, jSZyW+20, TTP20, XZL20, YD21, YCM+20, KSSR20, Sar21, TITN20]. **Non-adjacent** [jSZyW+20]. **non-dominated** [KSSR20]. **Non-interference** [BBC+20]. **Non-Invertible** [TTP20]. **Non-Malleable** [YD21]. **Non-Orthogonal** [XZL20]. **Non-profiled** [LZX+22]. **non-residues** [TITN20]. **Non-sensitive** [MSU+20]. **non-transferable** [Sar21]. **Non-Triangular** [FBH+22]. **Non-Volatile** [YCM+20]. **nonlinear** [DSP20]. **Note** [Koo20]. **notice** [DJ20]. **Novel** [GVM+20, KSM22, LZW+21, QYZ+21, YYH22, ATK+22, BR22, HH21, JK21b, LXG21, SP22b, TTT+21, ZWZ+22, ALZ+20]. **NP** [LZX+22]. **NP-LFA** [LZX+22]. **NSCT** [TSG21]. **NTRU** [CRSSBMR21, SP20b]. **NTT** [ZQY+20]. **NTT-Based** [ZQY+20]. **NTT-Uncoupled** [ZQY+20]. **NTTU** [ZQY+20]. **Number** [HD22, HSHC20, GLY21, STK23]. **numbers** [Hug21, HD22]. **NVM** [CCT+20]. **NVM-Based** [CCT+20].

Obfuscated [ISK21, RNR+21]. **Obfuscation** [HYK+20, SW21, LHAM20]. **Obfuscation-based** [HYK+20]. **Object** [SCW+21]. **Oblivious** [YD22, SAY20]. **Observation** [ZAK+21b]. **Observer** [ZWYL22]. **Observer-based** [ZWYL22]. **Obtaining** [DM20]. **occur** [Koz20]. **off** [BCLR22, JJKJ20]. **offers** [Lew20]. **Offline** [LHHW22]. **offloading** [SHB22]. **On-Chip** [SGZS21]. **On-the-Fly** [DD20]. **one** [FNC22]. **Online** [Gou21, LHHW22, CWE+21, DJ20, ZZQ21]. **Online/Offline** [LHHW22]. **Open** [GMD+22, JTGJ20, LGCY22, LYX+22]. **opener** [Lew20]. **operate** [SAL20]. **operating** [ESA21]. **Operations** [RK21]. **Opportunities** [AS22, YAZ21, ZCJ+21]. **Optical** [RDM+21]. **Optimal** [ANSS21, BAR+21, KLP20, ZY21, PK21]. **Optimization** [AOAAK20, Nar22, TRRB20, DAK20b]. **Optimized** [CRSSBMR21, OLZ+20, SPJ20]. **Optimizing** [HJHZ22, TRB+21]. **OPTIMUS** [ODK20]. **Oracle** [RNR+21]. **Oracle-guided** [RNR+21]. **Order**

[CCKH21, GXSC21, ZY21, CKV22, JYMP+20, LLH+21]. **order-preserving** [LLH+21]. **Ordinal** [GXZ+22]. **oriented** [Pan20]. **Origin** [GPLK22]. **ORSCA** [FNC22]. **ORSCA-GPU** [FNC22]. **Orthogonal** [XZL20]. **Oscillator** [HON21, JYMP+20]. **Ostrom** [WDFN21]. **Our** [BL22b]. **Out-of-Band** [NRS20]. **output** [Lap22]. **Outsourced** [MSU+20, XCV22, OK21, TWH+21]. **Outsourcing** [BMV22, SZX20, RFT22]. **Over-Scaling-Based** [ZSS+22]. **Overhead** [LQD22]. **Overview** [SYKL21]. **Owner** [Goo21, NBJ21]. **Owner-Custodianship** [Goo21]. **Oxymoron** [The20].

PAASH [OK21]. **PACA** [AAK+21]. **Pairing** [BRPM22, WHW22]. **Pairings** [Fit22, ZYW+20]. **Palm** [RA22]. **PANDA** [MSU+20]. **Papers** [Lew21]. **Paradigm** [PD21]. **Parallel** [FLYL21, Lap22, KG20a, MS21a]. **Parallelization** [ZBT22]. **Parallelized** [Kad21, TSR+20]. **parameters** [ESW21]. **Park** [Mar20a, Mcl20, Tur20]. **Part** [BBC+20]. **Partial** [LZG+21, STK20]. **partially** [ZZQ21]. **participant** [WHSX20]. **participants** [DDD21]. **Partition** [LZW+21, CHJL21]. **Partitioned** [MSU+20]. **Partitioning** [ODK20]. **Party** [LHY+21, GJCJ20, KLC22, LLX+20, SSP21, XJ20]. **Passé** [Cam20]. **passes** [Koz20]. **Passive** [LWS+21, RHSH23, GL22]. **Passphrase** [LYCW20]. **Passphrase-Independent** [LYCW20]. **Password** [ASG21, JJK+21, SJHL21, BBC+21, WGYZ22]. **Password-Authenticated** [SJHL21, JJK+21]. **Passwordless** [Cam20]. **Passwords** [AS22, Cam20]. **Path** [MMM+22]. **Patient** [AS20]. **Pattern** [LLP+20, NPH+20, ATK+22]. **Patterns** [BB22, RA22, AKM21]. **pay** [KSS+20]. **pay-TV** [KSS+20]. **PBFT** [KKM21]. **Peaks** [BL22b, CGJ20]. **PEKS** [KHM20]. **PEKS-Based** [KHM20]. **Pell** [ST21, ZKY21]. **Pen** [BAR+21]. **Pen-Tablet** [BAR+21]. **Perceive** [WDL21]. **Perception** [FZL+20b]. **Perfect** [NA20b]. **Performance** [Bis21, TSDG22, MTA+22, SK20a]. **Performances** [GMD+22]. **Performant** [ZHC+20]. **periodicals** [TFNF21]. **Permissions** [Jak20]. **Person** [PZJL22, RA22, TTL+21]. **Personal** [Dru22, JKI+21, GLZZ20]. **Personalised** [AFS+22]. **Personalized** [PWL+22]. **Perspective** [MNR+20, RMA+20]. **Perturbation** [TZLZ21]. **PGP** [LP20a, LP20b]. **Pharmaceutical** [STG+20]. **PharmaCrypt** [STG+20]. **Phase** [LQD22]. **Phones** [BP20]. **Photo** [WWL20]. **Photo-Realistic** [WWL20]. **Physical** [DCSA22, TMG+21, XZL20, XTHL21, CDG+20, KSK20, LNE+20, XWW+20]. **Physical-Layer** [XZL20, XTHL21]. **Picture** [Ano21a]. **Pixel** [KS21a, RR21]. **PKI** [KKM21, TADS20]. **Place** [ESD+22]. **Place-based** [ESD+22]. **Plaintext** [HYK+20]. **Platform** [CKFH22, MVBK21, RMMH22, ZHC+20, GLY21, KCML20, MBK+21]. **Platoon** [LNE+20]. **Platoon-based** [LNE+20]. **PLS** [PGCK22]. **PLS-HECC-based** [PGCK22]. **Pocket** [Vac20]. **Point** [MDJ20]. **Pointing** [MWVK21]. **polarization** [Koz20]. **Policies** [RRN21]. **Policy** [LYZ+22, SHHM21, Sch20, SZM22, ZZQ21]. **Policy-driven** [LYZ+22]. **Pollard** [VCP21]. **Polynomial** [CRSSBMR21, YDS+20]. **polynomials** [ZZ21a]. **Popular** [GRA21]. **Portfolio** [JKI+21]. **positives** [RIW22]. **Possible** [BL22b, RBVV22, TFNF21]. **Post** [AAT+21, NVB+20, LaM22, QC22b, SK20b, WCZQ20]. **Post-Quantum** [AAT+21, NVB+20, LaM22, QC22b, SK20b, WCZQ20]. **Power** [AA20b, BCP20, BP20, CKFH22,

DZW+21, JIR+21, KLR+20, NPH+20, RAD20, ZQY+20, SSvW20]. **Powered** [XTHL21]. **Powerful** [SGZS21]. **Practical** [BSA+20, FWCB22, ZLD+20, SWLL21]. **Practice** [Fre21]. **Pre** [WYLG21]. **Pre-Authentication** [WYLG21]. **Prediction** [BMBM20, KS21a, RR21]. **Prediction-Based** [KS21a, RR21]. **Predictors** [CY22, LIS20]. **Prefix** [LP20a, LP20b]. **Preservation** [AG22b, CRJ+22, SCZ+20]. **preserved** [XZL+22]. **Preserving** [DC20, Fan21, GQZ21, OTK+22, PWL+22, ST20, TSAS22, VD21a, WWL20, ZHC+20, ZCZ+21, BBG+20, BKL+20, BDM+20, CSA+21, CKV22, KK20, KLC22, LLX+20, LLH+21, OK21, PA21, RR20, SKE20, SP22b, TRRB20, XWW+20]. **Prestige** [KSAB+21]. **Prevent** [ASMK22, GVM+20, ODK20]. **prime** [wPHC21]. **Primitive** [MMM+22]. **Primitives** [ABR+21, CHWM21, JDZ+21]. **Privacy** [AG22b, AAAKJ22, CIY+21, CHWM21, CAN+21, CSA+21, CPN+21, DC20, EFPS+22, Fan21, GQZ21, Goo21, Jak20, KK20, Kha21, KAS+22, KLC22, KHM20, LLX+20, OTK+22, PWL+22, RRN21, ST20, TSAS22, TRRB20, TZLZ21, VD21a, VKKG22, WL21, XWW+20, BKL+20, BDM+20, CRJ+22, NBJ21, OK21, PA21, RH20, SCZ+20, SP22b, XZL+22, ZZQ21, AAK+21]. **Privacy-Aware** [CHWM21, AAK+21]. **privacy-preservation** [CRJ+22]. **privacy-preserved** [XZL+22]. **Privacy-Preserving** [GQZ21, OTK+22, PWL+22, ST20, TSAS22, CSA+21, KLC22, LLX+20, TRRB20, XWW+20, BDM+20, OK21, SP22b]. **privacy-protective** [ZZQ21]. **Private** [BNBN20, PCMPCA+20, RK21, WL20, CLH+21, LGT+20, NAB22, ZGL+20]. **probabilistic** [JK21b]. **Probability** [WLL20, ZWR+20]. **Probing** [RDM+21]. **problem** [VCP21]. **Problems** [GXZ+22]. **procedure** [MII22, MIB22]. **Process** [EFPS+22]. **Processing** [HV20, PSGM22, ABC+21, CKV22, KLC22]. **Processor** [MHS+20, XWH21]. **Processors** [LAKS20, ODK20]. **Product** [ST20, CLT22, LLHG22, Tom20, YH22]. **Products** [Lem24]. **profile** [KS20]. **profiled** [LZX+22]. **Programmable** [BRPM22]. **programming** [RMA+20]. **Programs** [GXSC21, GXS+22]. **proliferating** [HD22]. **Proof** [Cia22, KSAB+21, PM21, SJHL21, WLL20, CLT22, GMV21, Lew20, WHJ20]. **Proof-of-Prestige** [KSAB+21]. **Proof-of-Probability** [WLL20]. **Proof-of-Stake** [PM21]. **Proofs** [EPG+20, SAL20]. **Propagation** [HLJW22]. **Properties** [ACD20, AALG22, JSS20, CRJ+22]. **Property** [HLJW22]. **Proposal** [CTM22]. **Proposed** [ST20]. **Protect** [CPN+21]. **protected** [GSS+20]. **protecting** [Goo23]. **Protection** [BKP22, Bis21, NPG+22, SP21, TZLZ21, VKKG22, WL21, JZWX20]. **protective** [ZZQ21]. **Protocol** [EZBC22, GPPB+21, Gua21, GMS+20, LLLZ21, PCMPCA+20, POC20, SSP21, Sun22, TMKS20, TCH21, VD21a, WWW20, ABMPL22, Bra21, CXC+22, CC21a, DAK+20a, GL22, GJS20, GDZL21, JZWX20, KS21b, KMK22, LCZL21, MAOH21, MS22b, NNH+20, QC22a, RSB22, SA21, SP22b, WGYZ22, WMK22, XLL+21, uHWZ20, AAK+21, CISM22]. **Protocols** [AAT+21, BCDS22, BMV22, BLG21, HKC+20, JK21a, LWS+20, MH21b, ST20, Bra22, TKP21]. **Prototype** [VKV+22]. **Provably** [LHHW22, QC22b, GDZL21, SP22b, WMK22]. **Proxy** [ATS+21, LMG20, LWS+21, MBK+21, Raw20, RMMH22, WYLG21, CLH+21, LHAM20, LAKWC21, DSDR21]. **pseudorandom** [Dat20, STK23, SI22]. **ptychographic** [LA22]. **Public** [BGG+22, CB22, FGC22, HYZH22, LMG20,

LZG+21, QYZ+21, SAKH20, WQL+21, ZQY+22, DRS+22, ESW21, FCH21, LB21, RDS+22, TTT+21, WCXW22, YF22, YZL22, uHWZ20]. **Public-Key** [BGG+22, HYZH22, QYZ+21, WQL+21, ZQY+22, LB21, RDS+22]. **publish** [AHB21]. **publish-subscribe** [AHB21]. **Publishing** [WL20]. **PUF** [ABMPL22, NA20a, LYEK22, LXZ+22, MMM+22, MAOH21, SKB+22, TMG+21]. **PUF-based** [ABMPL22, LYEK22, MAOH21]. **PUFs** [HON21]. **Pulse** [Koo20, LQD22]. **Puncturable** [DSDR22]. **Punishment** [Ano21b]. **Purposes** [LV21]. **Putting** [Cam20]. **Puzzle** [AG22a]. **Puzzles** [ACD20]. **PVCS** [JK21b].

QC [WCZQ20]. **QC-LDPC** [WCZQ20]. **QoE** [CBE21, GGA+20, KJJ+21, WSS+21]. **quadratic** [CNL+20, TITN20]. **Quadruple** [JIR+21]. **QuadSeal** [JIR+21]. **Quality** [BSA+20, CTM21]. **Quantization** [WLYL20]. **Quantum** [AZH22, ALKP21, AAT+21, BKP22, BCM+21, BK23, CFGS22, HSHC20, MNR+20, PL22, SI22, Zha21, ZYD+20, ZMR21, Gyo20, HLSC20a, HLSC20b, LaM22, Mon20, NVB+20, QC22b, STK23, SK20b, WCZQ20, XMZ+20]. **Quantum-Resistant** [ZYD+20]. **Quantumness** [BCM+21]. **Queries** [YYZ+20, PCK20, WDJZ22]. **Query** [CWS+21, HY20, PSGM22, CKV22, KLC22, TSR+20]. **quick** [LGT+20].

R [GJCJ20]. **R-Dedup** [GJCJ20]. **Radiated** [JCZ+22]. **Rail** [LQD22]. **Ramanujan** [cC21c]. **Ramifications** [JMKM21]. **ramp** [EK20]. **Random** [HD22, HSHC20, Sun22, Zha21, GSS+20, Hug21]. **Randomized** [LZ20]. **Randomness** [BCM+21, LV21, WYZ+20]. **Range** [MOP21]. **Range-based** [MOP21]. **rank** [CHJL21, EMS21]. **Ranked** [SZM22]. **RansomCare** [FZ21]. **Ransomware** [ADSAKAD22, MCLL21, FZ21]. **Ransomware-Resilient** [ADSAKAD22]. **RAPCHI** [KMK22]. **Rare** [TADS20]. **ratchets** [KS21b]. **Rate** [AA20b, ZY21]. **ray** [LA22]. **RC4** [MS21a]. **Re** [LMG20, PZJL22, RMMH22, TTL+21, WYLG21, CLH+21, LHAM20, LAKWC21, MBK+21, MS22b, Raw20, DSDR21]. **re-** [MS22b]. **Re-Encryption** [LMG20, RMMH22, WYLG21, LHAM20, LAKWC21, MBK+21, Raw20, DSDR21]. **Re-Identification** [PZJL22, TTL+21]. **re-signature** [CLH+21]. **re-signatures** [CLH+21]. **Real** [AOM+21, BCDS22, GGA+20, HD22, KLZ+21, MH21b, WWW20, ZHM20, AP21, GAGV+21]. **Real-Time** [GGA+20, WWW20, ZHM20, AP21, GAGV+21]. **Real-World** [AOM+21, BCDS22, MH21b]. **Realistic** [WWL20, XMZ+20]. **Reality** [MWVK21]. **Receivers** [WFRZ21]. **Recognition** [FZL+20a, FZH21, Gok22, GRA21, SLZ+21, SOA+20]. **Recommendations** [LV21]. **Reconciliation** [RRN21]. **reconstruction** [MMHX20]. **Record** [AS20, GLZZ20, TGC+21]. **records** [RR20]. **Recoverable** [YCM+20]. **Recovery** [MG21, XLL+22, ZLD+20]. **recruitment** [WHSX20]. **recurrent** [PK21]. **Reduce** [DH20, ATK+22]. **Reduced** [LC22, QAQA21, ZLD+20, ZZD+21, ZCWW21]. **Reduced-Round** [LC22, ZCWW21]. **reduction** [AKM21]. **Redundancy** [ABR+21]. **Referencing** [CGZ20]. **Register** [LQD22, WHC20]. **Register-Based** [WHC20]. **Regression** [GXZ+22]. **Reinforcement** [SHB22]. **Related** [BKS22, WDFN21, CHJL21]. **Relation** [VCP21]. **Releasing** [CAN+21]. **reliable** [BDM+20]. **Remember** [ASG21]. **Remote** [POC20, GZG22, HIMM20, KK20, MCF+22, MIB22, SRD21, TLS+20]. **Rendering** [MPV21]. **renewal** [HLSC20a, HLSC20b].

Replay [BKP22, WCQ+20]. **Replay-Resilient** [WCQ+20]. **Reporting** [Gou21]. **Representations** [TMZ+20]. **REPS** [MS22b]. **REPS-AKA3** [MS22b]. **Reputation** [SNS+20]. **Requet** [GGA+20]. **Requirement** [AKI20]. **Requirements** [BGH+22]. **Research** [EFPS+22, JK21b, QGL+22]. **Reshaping** [Cam20]. **residues** [TITN20]. **Resilience** [HPGM20]. **Resilient** [ADSAKAD22, BK23, HYZH22, KKBL20, RDM+21, TCH21, WCQ+20, ZZX+21, ZAK+21b, ZYW+20, KCML20, TLS+20, ZXQ+21]. **Resistance** [WL20, KMT20, TW21]. **Resistant** [VDK+21, YLLL21, ZYD+20, DSDR21, RFT22]. **resolvers** [LYX+22]. **Resource** [JTGJ20, TCH21, TMG+21, BR22]. **Resource-constrained** [TMG+21, BR22]. **Resource-limited** [TCH21]. **Retraction** [DJ20]. **Retrieval** [FWCB22, LMM+22, SCZ+20]. **Reuse** [ML20]. **Reveal** [OLS21]. **Revelation** [VD21a]. **reverse** [GMV21]. **Reversible** [CCKH21, QGL+22, RN22, Mog22]. **Reversing** [GBG20]. **Review** [AZH22, BKM21, HHO+21, PYSJ22, SUBG21, VK22, XWM21, LHO+20, VPK20]. **Revisited** [LSQ20, MDD+21, CQSN20]. **Revisited*** [BCP20]. **Revisiting** [cC21c]. **Revocable** [Lee21, ML20, SZFX20, SMS+20, TW21, TLMY21, WZX20, XCV22, ESW21, KMT20, TWH+21]. **Revocation** [MH21a, ZWG+20]. **Reward** [Ano21b, KSAB+21]. **RFID** [GL22, LXZ+22, SCW+21, SOA+20, WCQ+20]. **RFID-PUF** [LXZ+22]. **Rider** [Nar22]. **Ring** [DST20, HON21, LAKS20, NVB+20, SSvW20]. **Ring-LWE** [LAKS20, NVB+20]. **Rings** [YDS+20]. **Risk** [ErEE20, WDL21, vSRW+20]. **Risk-Based** [WDL21]. **RMKABSE** [SZM22]. **road** [LaM22]. **Roadside** [XLL+21]. **Robotic** [SVK+22]. **robots** [ZZhC22]. **Robust** [CQSN20, FAlS+22, KMK22, SGB20, TRB+21, VVPM21, YLLL21, DSP20, DAK20b, JYMP+20, KCML20, MCF+22, PA21]. **Rogers** [cC21c]. **Role** [AG22b, GPLK22, VKKG22]. **Root** [NAP+20]. **ROS** [LGNEAO20]. **ROS-based** [LGNEAO20]. **Rotating** [CIY+21, LZX+22]. **Rotor** [Pau21b]. **Round** [KLP20, LC22, YD21, ZLD+20, ZZD+21, FNC22, LYSC21, ZCWW21]. **Round-Optimal** [KLP20]. **Round-Reduced** [ZLD+20, ZZD+21]. **routing** [ABB22, NNH+20]. **RSA** [BNBN20, DVA22, SAY20, ST21, STK20, ZKY21]. **RSA-like** [ST21]. **RSS** [SOA+20]. **RTL** [ISK21]. **Rubicon** [Pau21b]. **Rules** [Kou21]. **runtimes** [OK22].

S [HLJW22, KG20a, LKX20, LZX+22, MUK22]. **S-Box** [LKX20, LZX+22]. **S-boxes** [KG20a, HLJW22]. **S-Vectors** [MUK22]. **SABER** [VDK+21]. **SAE** [Sun22]. **Saettone** [NAB22]. **safety** [LGNEAO20]. **Sampler** [ZSS20]. **Sampling** [KAA22, CGJ20]. **Santa** [BDDL20]. **saturation** [ZWYL22]. **sAuth** [ZZhC22]. **Saviors** [ABM21]. **SCAB** [VD21b]. **SCADA** [CISM22]. **scalability** [FA21]. **scalable** [BBTC20]. **Scalar** [BMBM20, ST20, HLZ21]. **Scale** [BCDS22, TB21, ZWR+20, AALG22, FA21]. **Scaling** [ZSS+22]. **Scan** [RNR+21]. **Scandal** [Pau21a]. **Scandalous** [Pau21b]. **SCANet** [LHZZ20]. **SCAUL** [RAD20]. **scenarios** [CXC+22]. **Scents** [ASG21]. **scheduling** [STK23]. **schema** [MYF20]. **Scheme** [Alb21, BL22a, CHA20, CJS+20, CIY+21, CLZG22, CZC22, DST20, KSD22, LHHW22, LWS+21, LZW+21, LZX+22, ODK20, PPS21, PCV+21, PYC21, RMMH22, TSAS22, TRB+21, XJG+22, XLL+22, YG20, ZYW+20, ZHL+21, AMSL20, AP21, AAH22, AHB21, ATK+22, BR22, BGCL20, CDG+20, CNL+20, DSP20, Elt22, FWZ+20, FBD+20,

GWW+22, GZG20, GLZZ20, HBO21, HLSC20a, HLSC20b, JA20, JHS+21, JK21b, KCML20, KG20b, KSS+20, LLX+20, LXG21, LLHG22, MCF+22, MBB22, NA20b, PCC22, PGCK22, PK21, PA21, RFT22, RO22, SRD21, SK20b, SP20a, SLS+20, SP20b, SWK+20, TSR+20, TGC+21, TWH+21, UAACH21, WHSX20, WHF+20, XRL+21, XCB+20, XZL+22, YM21, YFW20, YZL22, ZM20, ZZ21b, ZZQ21, ZXQ+21].
Schemes [BLG21, RHCB21, WL20, ZAK+21b, DDD21, EK20, KKP21, VPK20, WZZW20, YF22].
scholarly [TFNF21]. **Science** [Lew21, CBN+20]. **scoping** [VPK20].
Scoring [SNS+20]. **SCRIPT** [NPH+20].
SDN [Elt22, KJJ+21, SHB22, WWYC21].
SDN-Blockchain [SHB22]. **SDS** [SK20b].
Search [CCKH21, GWF+21, HY20, JZD21, JDZ+21, RR21, KSSR20, NBJ21, ZLC+20].
Search-Order [CCKH21]. **Searchable** [AAI+20a, AAI+20b, AGV22, ANSS21, CSA+21, SZM22, WCD21, XJG+22, ATK+22, EIO20, TSR+20, TGC+21, VPK20, WCXW22]. **Searching** [HSHC20].
SecFHome [GZG22]. **Second** [Jov20].
Secrecy [GSS+20, WWW20, NA20b].
Secret [AA20b, BGH+22, DDD21, GA22, LNE+20, LZW+21, LWH+22, LDX22, McI21, TRB+21, TLD+20, TLMY21, Tur20, YLLL21, EK20, Hon22, JA20, KKP21, KK20, KCML20, LA22, MMHX20, PCO20, RIW22, RFT22, SYD21, SLS+20, YF22, AOM+21, MOP21].
Secrets [AARV21, CCX+20, CY22, TSFS21]. **Sector** [CTM22]. **Secure** [AOAAK20, Alb21, ADS21, ATS+21, AKI20, ASLB20, BL22a, CCT+20, CRJ+22, CWS+21, DKJ+21, EIO20, Fer21, FWCB22, GWF+21, GZG22, GMS+20, HKC+20, HLS+21, JTGJ20, KAS+22, KLP20, Koo20, LHHW22, LZ22, LHR+22, LZ20, MWVK21, MOP21, NAP+20, Pan20, PD21, PCMPCA+20, PPT22, POC20, SKR+20, SLL+21, SZX20, SZFX20, VD21a, VD21b, WHC20, XMZ+20, YCM+20, ZYA+22, uHWZ20, AKY20, AHB21, BBC+21, CXC+22, CLT22, CC21a, FWZ+20, FBD+20, GJS20, GWW+22, GDZL21, HN22, HBO21, HH21, HYZ+20b, KS21b, KLC22, KSS+20, LLX+20, LLHG22, MBK+21, MMHX20, MBB22, MS22b, NNH+20, OK21, PK21, QC22b, SPJ20, SP22b, TTT+21, TGC+21, TSG21, Tom20, UAACH21, Vac20, WHSX20, WDJZ22, WMK22, XCB+20, YM21, ZZ21b, GJCJ20, NNH+20, POC20, LHAM20].
Secure-channel [EIO20]. **Secure-GLOR** [NNH+20]. **Secured** [CN21, MAOH21].
Securing [AG22a, FA21, GPPB+21, LIS20, YAZ21, MYF20]. **Security** [ANG20, AMGBK22, ACD20, AAAKJ22, AS20, Ano21c, ALKP21, AW20, BG21, BK23, Can20, CPN+21, ErEE20, FYDX21, FWR+20, HLG21, JA20, JJK+21, JDZ+21, JJKJ20, JKM21, Jov20, KPG+20, Kha21, KJJ+21, LaM22, LYEK22, LLLZ21, LXZ+22, LSY+20, LWS+21, LQD22, LWS+20, MMM+22, MVBK21, MDJ20, MSU+20, MHS+20, NRS20, ODK20, RNR+21, SK20a, STJ+21, The20, TSDG22, TKP21, WSS+20, YCL+20, ZQY+22, ZSS+22, vO20, ABMPL22, AAA20, BBC+21, EKW22, EK20, KS20, LPLL20, Lee21, Lew20, LYX+22, MYF20, RH20, SAS21, WZZW20, ZY20, ZYX+20]. **Security-Centric** [ODK20]. **Security-First** [MHS+20].
Security-Utility [JJKJ20]. **Segmentation** [TRRB20]. **Selection** [BAR+21, OTK+22].
Selections [PPT22]. **Selective** [PZJL22, SKR+20]. **Self** [ADSAKAD22, CTM21, Dru22, FBH+22, LLP+20, HLSC20a, HLSC20b, LLX+20, uHWZ20].
self-adjusting [HLSC20a, HLSC20b].
self-certified [uHWZ20]. **Self-Healing** [ADSAKAD22]. **self-serviced** [LLX+20].
Self-Sovereign [Dru22, LLP+20].
Self-Synchronizing [FBH+22]. **Selves**

[BL22b]. **Semantically** [AOM+21]. **semantics** [ABC+21]. **semi** [WWYC21]. **semi-supervised** [WWYC21]. **Sensing** [LYCW20]. **Sensitive** [MSU+20]. **Sensor** [BAR+21, LHZZ20, MOP21, TSDG22, KS21b, wPHC21, ZWW+21]. **Sensor-based** [LHZZ20]. **sensor-cloud** [ZWW+21]. **Separate** [CGZ20]. **Separations** [AARV21]. **Sequence** [KLR+20]. **sequences** [LYSC21]. **Sequentially** [CAN+21]. **Series** [WSS+21, HN22]. **Serious** [ZOZ21]. **Server** [ML20, BBC+21, KK20, MII22, SMS+20, WZZW20, uHWZ20]. **Server-aided** [ML20, SMS+20]. **Service** [EZBC22, LLP+20, SSP21, ZZhC22]. **Service-Based** [EZBC22]. **serviced** [LLX+20]. **Services** [AFS+22, BDL22, PCMPCA+20, GZG20, HBO21, SAL20]. **Session** [LSY+20]. **Session-Specific** [LSY+20]. **Set** [Kou21, RK21, WCD21, SYD21]. **SETCAP** [EZBC22]. **sets** [DDD21]. **Setting** [LMG20, LPLL20, WCZQ20]. **SGX** [CCX+20, CDF+21, FYDX21]. **SgxPectre** [CCX+20]. **SHA** [FA21, LP20a, PPS21, LP20b, VDSB22]. **SHA-1** [LP20a, LP20b]. **SHA-1and** [LP20a]. **SHA-256** [FA21, PPS21]. **shady** [Pau21b]. **Shambles** [LP20a, LP20b]. **Share** [TRB+21]. **Shared** [CLZG22, LWH+22]. **Shares** [YLLL21]. **Sharing** [AA20b, LZW+21, LYZ+22, PYC21, TRB+21, YLLL21, DDD21, EK20, HN22, JA20, KKP21, KK20, KCML20, MBK+21, MMHX20, PCO20, RFT22, RHCB21, Raw20, SYD21, SAS21, SLS+20, TGC+21, YF22]. **sharing-based** [RFT22]. **SHARP** [VD21a]. **shield** [Hon22]. **ShieldNVM** [YCM+20]. **Short** [Lem24, YLZ+22, ESW21]. **Shoup** [LYY+21]. **Shunning** [BCP20]. **Side** [ABM21, AAT+21, BKS22, VDK+21, Bis21, DCSA22, FZL+20b, HMLZ21, HPGM20, JFK20, JCKH22, KLR+20, LQD22, LZJZ21, NPH+20, PYSJ22, RAD20, XPR+22, YC22b, ZYD+20, ZAK+21b, GJCJ20]. **Side-Channel** [ABM21, AAT+21, FZL+20b, HMLZ21, HPGM20, JCKH22, KLR+20, LQD22, RAD20, XPR+22, ZYD+20, Bis21, DCSA22, JFK20, LZJZ21, NPH+20]. **Side-Channel-Resistant** [VDK+21]. **Sieve** [DZW+21]. **sieving** [VCP21]. **SIGMOD** [CLLR21]. **Sign** [AV20, SCRV20]. **Sign-On** [SCRV20, AV20]. **signal** [SAS21]. **Signals** [JCZ+22, LYCW20]. **Signature** [CJS+20, CZC22, DST20, KSD22, LHHW22, LSQ20, LWS+21, MH21a, YDS+20, ZHL+21, CXC+22, CLH+21, CQSN20, LPLL20, SK20b, SP20b, YFW20]. **Signatures** [DM20, KKM21, SK20b, CLH+21, TV21]. **Signcryption** [LSY+20, FWZ+20, GWW+22, JHS+21, ZXQ+21]. **Significance** [SP21]. **Signing** [DD20]. **SIKE** [ZYD+20]. **SIM** [Jov20]. **Similarity** [FWR+20]. **Simon** [LLAL22]. **Simon-like** [LLAL22]. **Simple** [EPG+20]. **Simplified** [MG21]. **simplifying** [RH20]. **Sine** [BL22b, PPS21]. **Single** [AV20, BCM+21, LQD22, SCRV20, SZX20, LYSC21]. **Single-Rail** [LQD22]. **single-round** [LYSC21]. **SINGLETON** [KS21b]. **Singular** [Gyo20, ZZX+21]. **SIP** [NA20b]. **Size** [FGC22, TRB+21, LHAM20, STK20, ZGL+20]. **skyline** [CKV22, WDJZ22]. **Skype** [DJ20]. **slave** [GWZ+20]. **SlowDoS** [GAGV+21]. **SM9** [LHHW22]. **small** [LLH+21, NAB22, RSB22]. **small-cell** [RSB22]. **Smart** [ASLB20, CXZ+21, JLZ+20, SZM22, TSY+21, WHW22, ZHC+20, CRJ+22, DAK20b, GJS20, GZG22, JHS+21, JYH+20, OK21, PGCK22, SP20a, SLS+20, XRL+21, YC22a, SK20b]. **Smartphone** [KHV20, FZ21, HOV20, RYM21]. **Smartphones** [LYCW20, Vac20]. **SmartSteganogaphy** [JYH+20]. **Smartwatches** [GVM+20]. **Smooth** [DVA22]. **SMS** [Jov20]. **Social** [ADY+21, JJKJ20, VKKG22, ALZ+20, LGT+20].

Software [BGH+22, Bis21, CGZ20, LAKS20, QAQA21, ZHL+21, HLH+20, RMA+20]. **Software/Hardware** [ZHL+21]. **Solomon** [McI21]. **Solutions** [Kha21, LYEK22]. **Solve** [TMKS20, VCP21]. **somewhere** [SP22a]. **sorting** [KSSR20]. **Sound** [Kou21]. **Source** [CGZ20, GMD+22, Elt22, SCZ+20]. **sources** [RYM21]. **Sovereign** [CTM21, Dru22, LLP+20]. **Space** [ANSS21, LHR+22, GDZL21, XZL+22]. **Space-Efficient** [LHR+22]. **Space-Ground** [XZL+22]. **Sparse** [CCT+20]. **Spatial** [CFGS22, GA22]. **Spatio** [ZXY20]. **Spatio-temporal** [ZXY20]. **spatiotemporal** [LXG21]. **Speaker** [MUK22]. **Special** [AHWB20, AW20, VCP21]. **special-** [VCP21]. **Specific** [LSY+20]. **Specifying** [AKI20]. **Specter** [Ano21c]. **Speculative** [CCX+20, CY22, SKR+20]. **Speech** [DR20, LWL+21]. **speed** [MS21a]. **Speeding** [BNB22, TV21]. **Speeding-up** [TV21]. **speeds** [VDSB22]. **Spherical** [LLA+21]. **Spiral** [Nar22]. **SPOC** [ST20]. **Spoofing** [TMZ+20]. **spurious** [ALZ+20]. **Spy** [Pau21a, Pau21b]. **SQLite** [WSS+20]. **SRUP** [POC20]. **SS7** [Jov20]. **SSH** [Goo23, RHSH23]. **SSI** [CTM22]. **SSL** [Koo20]. **SSL-VPN** [Koo20]. **stablecoins** [Ano20, CDM20]. **Stack** [LEBM20, RMMH22]. **stage** [CGJ20]. **Stake** [PM21]. **Standard** [FGC22, LSX+21, LSY+20, MH21a, DRS+22, LAKWC21, RDS+22, ZWT22, AG22a, DSDR21, MS21b]. **Standard-512** [AG22a]. **Standards** [HV20]. **State** [AZH22, BGG+22, FAlS+22, Kha21, ODK20, PSGM22, ZCJ+21, SAL20]. **State-of-the-Art** [Kha21, ZCJ+21]. **States** [GPLK22]. **Static** [BBC+20]. **Station** [Tur20]. **stations** [YM21]. **Statistical** [AAI+20a, AAI+20b, LV21, SYKL21]. **statistically** [SP22a]. **Statistics** [Fre21]. **Stealing** [CCX+20]. **Stealth** [BBC+20]. **Steganalysis** [WLYL20, ZCZ+21]. **Steganographer** [ZWR+20]. **steganographic** [SPJ20]. **Steganography** [GA22, KS21a, LWL+21, LZYZ21, PTZM22, RN22, RR21, SK21, WFRZ21, WCYL20, WLYL20, DAK20b, JYH+20, Pan20]. **stegomalware** [CMR+21]. **still** [HD22]. **stochastic** [OK22, WLZY21]. **stolen** [Goo23]. **Storage** [CLZG22, LLLZ21, LZG+21, SHHM21, SZC+21, XLL+22, LLH+21, PK21, SP22a, SWLL21, YZL22]. **Stored** [ANG20]. **storing** [Raw20]. **strand** [ZWZ+22]. **Strategy** [GQZ21, KHM20, Koz20]. **Stream** [BKS22, FBH+22, MG21, LT22, ABC+21, FNC22, LHZZ20]. **Stream/block** [LT22]. **Streaming** [BSA+20, CBE21, XWW+20]. **Streams** [FLYL21, PWL+22, PPT22, SKW+21]. **strength** [STK23]. **Strong** [EK20]. **strongly** [ZZ21b]. **Structure** [LZW+21, SGZS21, SLL+21, HOV20, MS21a, SYD21]. **Structured** [LHY+21]. **structures** [EK20, JK21b, XWW+20]. **Students** [Fre21]. **Study** [AMGBK22, GRA21, XPR+22, RIW22, ZWT22]. **subpipeline** [MS21a]. **subscribe** [AHB21]. **subspace** [JA20]. **Subversion** [LWS+20, YCL+20]. **Success** [ZY21]. **Suitable** [PPS21]. **suite** [DAK+20a]. **Sum** [SI22, WZXX20]. **summation** [MII22]. **Sunway** [LFJ+20]. **supercomputer** [LFJ+20]. **supersingular** [QC22a, QC22b]. **supervised** [WWYC21]. **Supply** [CTM21, KLR+20, Yiu21]. **Support** [CTM21, KS21a, VKV+22]. **Supporting** [LZG+21, LYZ+22, RDS+22]. **Surveillance** [PPS21]. **Survey** [ADY+21, ACD20, AHSL22, BBB+23, FYDX21, Kha21, LZJZ21, MCLL21, PI21, RLZ+21, RHCB21, SS22, XZH+21, ZDX+20, AGV22, FCH21, GBG20, KSC+22, RMI22, SAS21, WYZZ21]. **SVP** [Sch21]. **Swapping** [LWZ+21, Jov20]. **Swarm** [JDZ+21]. **Swarm-like** [JDZ+21]. **Switch** [MMM+22, SKW+21].

Switch-based [SKW+21]. **Switching** [DH20]. **Sybil** [PM21]. **Symmetric** [ANSS21, BBB+23, CSA+21, HLSC20a, HLSC20b, SK20a]. **symmetrically** [SKE20]. **synchronization** [JYMP+20, ZWYL22]. **Synchronizing** [FBH+22]. **Synthesis** [ISK21, NVB+20, WWL20]. **System** [ASLB20, BBC+20, CTM22, DR20, FSN21, JKI+21, KSAB+21, NAP+20, PPR+20, SOA+20, SZM22, TADS20, WCX21, WL21, YCM+20, ZYH+20, ZWG+20, AK20, CRJ+22, GL22, WGYZ22, XWW+20, YF22, YZL22, ZY20, ZWW+21]. **System-Level** [BBC+20, NAP+20]. **Systematic** [BKM21, LFJ+20]. **Systematically** [MDD+21]. **Systems** [AV20, AKI20, CDF+21, DKJ+21, FWCB22, HLG21, HHO+21, Kad21, KPG+20, KSK20, LNE+20, MH21b, PSGM22, XZL20, XLL+22, Yiu21, ABC+21, AAH22, Bra22, CDG+20, CNL+20, ESA21, FCH21, GMV21, HD22, KSS+20, LHO+20, WYZZ21, WLZY21].

Table [HLJW22]. **Tablet** [BAR+21]. **Tablets** [BP20]. **TagAttention** [SCW+21]. **Tags** [TB21]. **TaihuLight** [LFJ+20]. **Tamarin** [BCDS22]. **Taming** [HLH+20]. **Tamper** [SJHL21]. **Tamper-Proof** [SJHL21]. **Tampering** [HYK+20]. **Tangle** [GPPB+21]. **target** [TTL+21]. **task** [SHB22]. **Tasks** [AOM+21, KSAB+21, MTA+22]. **Taxonomy** [ADA+22, MCLL21, VPK20]. **TCP** [CISM22]. **teaching** [DAK20b]. **tech** [Hon22]. **Technical** [AAAKJ22, SAS21]. **Technique** [ASLB20, NPG+22, RN22, SGB20, STJ+21, ALZ+20, DDD21, NNH+20, SPJ20, TSG21]. **Techniques** [AOAAK20, DH20, DZW+21, MDD+21, PI21, RA22]. **Technologies** [Cam20]. **Technologists** [Sch20]. **Technology** [AHWB20, HHO+21, VK22, Yiu21, FA21]. **Template** [SP21, SK20a, TTP20]. **Templates** [ANG20, CN21]. **Temporal** [EZBC22, ZXY20]. **Temporary** [LSY+20]. **Tensor** [ZCZ+21]. **Term** [YLZ+22]. **TESA** [MUK22]. **Test** [BCM+21, LSX+21, LZG+21, LMH+21, LV21, DRS+22, Koz20, LB21, LWSQ21, RDS+22]. **testing** [ZZQ21, RBVV22]. **Text** [ALZ+20]. **Their** [AMGBK22, HPGM20, Sar21, Vac20]. **theoretic** [GLY21]. **Theoretical** [ZY21]. **Theory** [LYDZ21, MOP21, WCD21, ZJK+22, SYD21]. **theta** [CHJL21]. **Things** [KKBL20, ZZ21b, FA21, XWM21, AAAKJ22, ADA+22, GWW+22, HRX+21, KS21b, KG20b, KSC+22, MYF20, NBJ21, POC20, RMMH22, SPJ20, SVK+22, SP20a, TSY+21, UAACH21, XZH+21, ZWT22]. **Third** [XJ20, GJCJ20]. **Third-party** [XJ20, GJCJ20]. **threat** [Mon20]. **Threats** [AMGBK22, ASMK22, EFPS+22, MYF20, WWC+20]. **Three** [LQD22, CGJ20, CC21a, MBB22]. **three-factor** [MBB22]. **three-factor-based** [CC21a]. **Three-Phase** [LQD22]. **three-stage** [CGJ20]. **Threshold** [KKM21, LZW+21, MMHX20, JA20, JK21b]. **Throughput** [UMM+20]. **Throughput/Gate** [UMM+20]. **THS** [CGJ20]. **THS-IDPC** [CGJ20]. **Thwart** [TB21]. **Ticket** [ATS+21]. **Ticket-Based** [ATS+21]. **Tier** [RMMH22]. **TIGFET** [LQD22]. **TIGFET-Based** [LQD22]. **Tight** [LPLL20]. **tighter** [CLT22]. **Tightly** [LLHG22, Tom20]. **Time** [BBC+20, GGA+20, KAA22, KS20, WWW20, WSS+21, ZHM20, AP21, BBG+20, GAGV+21, HN22, ZJZL20, ZSS20]. **time-series** [HN22]. **Time-variant** [KS20]. **Timing** [Bis21, CRSSBMR21, JFK20, TMG+21]. **Timing-aware** [TMG+21]. **Timing-Optimized** [CRSSBMR21]. **TLD** [GPLK22]. **TLS** [Hug21, HD22]. **Token** [KLZ+21]. **tolerant** [ABR+21]. **Tools**

[vO20, RIW22]. **Topic** [LZYZ21]. **Topic-aware** [LZYZ21]. **Touch** [ZCJ+21]. **Touch-based** [ZCJ+21]. **Touristic** [PCMPCA+20]. **Trace** [YYH22]. **Traceability** [Yiu21]. **Traceable** [LHW21]. **Traces** [FZL+20b]. **Tracing** [SCW+21, CMR+21]. **Tracking** [NPH+20]. **Tract** [LYCW20]. **Trade** [BCLR22, GPLK22, JJKJ20, LA22]. **Trade-off** [BCLR22, JJKJ20]. **Traffic** [ASV+21, ASV+22, BSA+20, CBE21, GGA+20, PI21, WSS+21, YLZ+22, ACMP21, CGJ20, CWE+21, DZL+20, GAGV+21, LHS+22, LXG21, RYM21, WWYC21, YGW+20, ZAR+22]. **Trails** [JZD21]. **Traitors** [LHW21]. **Trajectory** [WL20]. **transaction** [XRL+21]. **Transfer** [LWZ+21]. **transferable** [Sar21]. **Transform** [KSM22, LLA+21, PTZM22, SK21, YG20, GLY21]. **Transformer** [MUK22]. **Transition** [SP21, LaM22]. **transmission** [Pan20]. **Transparent** [XJ20]. **Transportation** [KSK20]. **Trapdoor** [HYZ+20a]. **Tree** [FGC22, LHY+21]. **Tree-Structured** [LHY+21]. **trends** [WWC+20]. **Triangular** [FBH+22]. **Trigger** [HMLZ21]. **Triple** [DC20]. **trojan** [LA22, HMLZ21]. **true** [LGT+20]. **Truncated** [Lem24]. **Truncation** [BVG22]. **Trust** [DM20, NAP+20, TS20, MYF20, ZWW+21, LP20a, LP20b]. **trust-based** [MYF20]. **Trusted** [CB22, JSS20, GWZ+20, FLTQ20]. **Trustworthy** [XJ20, ZHC+20, TGC+21]. **TrustZone** [ZY20]. **Truth** [PWL+22]. **TSCRNN** [LXG21]. **TU** [SAY20]. **Tunable** [SKB+22]. **TV** [KSS+20]. **Tweakable** [LC22]. **Twilight** [Pau21a]. **Two** [ANSS21, CCKH21, CPN+21, JJK+21, LIS20, LHZZ20, Zak21a, BGCL20, FBD+20, KLC22, SA21, SP20a, uHWZ20]. **Two-Dimensional** [ANSS21, Zak21a]. **Two-Factor** [CPN+21, JJK+21, FBD+20, SA21, uHWZ20]. **Two-Layer** [CCKH21]. **Two-Level** [LIS20, SP20a]. **two-party** [KLC22]. **Two-stream** [LHZZ20]. **TX2** [DZL+22]. **type** [ST21, XRL+21]. **types** [YD22]. **Typing** [BP20].

U [WWL20]. **U-Net** [WWL20]. **UAV** [SWK+20]. **ultra** [GL22]. **ultra-lightweight** [GL22]. **ultrafast** [Koz20]. **Unauthorized** [GVM+20]. **Unclonable** [TMG+21]. **Uncoupled** [ZQY+20]. **Undergraduate** [Fre21]. **Understanding** [SKR+20, WZZW20]. **Underwater** [MOP21]. **unidirectional** [CLH+21, LHAM20]. **Unified** [BNBN20]. **Uniform** [AA20b]. **Unintentional** [ISOD21]. **Union** [GPLK22]. **Unit** [XLL+21]. **Unit-assisted** [XLL+21]. **Universal** [YH22]. **Universally** [Can20]. **Universe** [LSX+21]. **University** [CKFH22]. **unknowns** [HMT+20]. **Unlinkability** [ZJK+22]. **Unlinkable** [TLMY21]. **unpredictability** [PCO20]. **Unrolled** [DH20]. **Unseen** [McC24]. **Unsupervised** [PZJL22, RAD20, TTL+21]. **Untrusted** [NAP+20, SZX20, SAL20]. **Unverifiable** [KSAB+21]. **Updatable** [HYZ+20a]. **Update** [POC20]. **Updated** [Nar22]. **URAP** [GL22]. **Usable** [The20]. **Usage** [KSA+21]. **USB** [ISOD21]. **Use** [DD20, POC20, SW21, CLH+21, LMG20, TFNF21]. **used** [Mar24]. **Useful** [KSAB+21]. **User** [ADA+22, BAR+21, BP20, CAN+21, DR20, LYCW20, PD21, SLZ+21, SLLC21, VKKG22, WWW20, WWC+20, BGCL20, KS20, MIB22, PCC22, SRD21, TLS+20, WCZQ20, WYZZ21]. **User-Centric** [CAN+21]. **User-Gateway** [PD21]. **Users** [NRS20, WDL21, JZWX20, Vac20]. **USIM** [YHC20]. **Using** [BNBN20, BAR+21, BVG22, BB22, BLG21, CHA20, DVA22, DM20, FSN21, FFK+22, GPPB+21, GNGT21, GRA21, HBS+20, KSD22, KKBL20, KLR+20, LTDZ22, MWVK21, MHS+20, NPH+20, PPS21,

PD21, PTZM22, POC20, RA22, RN22, RR21, SHHM21, SJHL21, TRRB20, WCD21, XJG+22, YYH22, Yiu21, ZBT22, AKM21, AK20, DK21, DAK20b, FA21, GAGV+21, GSS+20, HIMM20, JA20, KSSR20, KK20, KS20, MYF20, MS21a, MII22, MIB22, Pan20, PA21, RR20, SK20a, SRD21, SP20a, TS20, VCP21, VD21b, WHJ20, XWW+20, YC22a, YM21, ZAR+22, ZY20, ZWT22, uHWZ20]. **Utilising** [KPG+20]. **Utility** [JJKJ20]. **Utilizing** [KAS+22, LQD22].

V2N [MCF+22]. **Validating** [KSA+21]. **Validation** [TADS20, WQL+21]. **Validity** [LSX+21]. **Value** [ErEE20, Sun22, ZZX+21, Gyo20]. **values** [ZZQ21]. **VANET** [GMS+20]. **VANETs** [ABB22, CXC+22, Kha21, TS20]. **Variability** [JIR+21]. **variable** [Gyo20]. **variant** [KS20, YC22a, YH22, ZKY21]. **variants** [VDSB22]. **Various** [RA22]. **Vascular** [RA22]. **Vault** [DKJ+21]. **Vector** [KS21a, WZXX20]. **Vectorization** [QGL+22]. **Vectorizations** [NS22]. **Vectors** [MUK22]. **Vehicles** [EAHO21, KTCI21, XLL+21]. **Vehicular** [LNE+20, GZG20, PA21, WHSX20, ABB22]. **Vein** [BB22]. **Velocity** [FLYL21]. **Velocity-Aware** [FLYL21]. **Verifiable** [LMM+22, SAL20, XCV22, SYD21, SLS+20, WDJZ22, YF22]. **Verification** [BCDS22, GXSC21, GXS+22, BBG+20, SYD21, SLS+20, TV21, XWW+20, YZL22]. **Verified** [BBC+20]. **Verifier** [MH21a, SJHL21, WHJ20]. **Verifier-Based** [SJHL21]. **Verify** [WDL21]. **Verifying** [Dod22]. **Version** [MG21]. **via** [ACMP21, ANSS21, BSS+22, CCX+20, Fer21, HN22, ISOD21, JLZ+20, JDZ+21, KLC22, LLT+20, NA20b, PZJL22, RHSH23, YZL22, ZYH+20, ZWR+20, vSMK+20]. **Vibrations** [SWCS21]. **Victims** [ABM21]. **Video** [BSA+20, CBE21, LLA+21, PPS21, PTZM22, SGB20, SK21]. **videos** [HOV20]. **View** [BG21]. **Virtual** [JJKJ20, MWVK21]. **Virtuous** [SHHM21]. **VISE** [CDF+21]. **Visibility** [HKC+20]. **Visible** [QGL+22]. **Vision** [SCW+21]. **Vision-RFID** [SCW+21]. **Visual** [Gok22, LZW+21, JK21b]. **Vivid** [VK22]. **Vocal** [LYCW20]. **VocalLock** [LYCW20]. **Voice** [CXZ+21, SWCS21, SYKL21, JYMP+20]. **Voice-based** [CXZ+21]. **VoIP** [NA20b]. **Volatile** [YCM+20]. **Voltage** [GNGT21, ZSS+22]. **Voltage-Based** [GNGT21]. **Volume** [MPV21]. **Volunteer** [ATS+21]. **Vote** [CKFH22]. **Voting** [ALKP21, HHO+21, ZCZ+21, FWZ+20, FWZ+20]. **VPN** [GMD+22, Koo20]. **VQ** [CCKH21]. **VQ-Compressed** [CCKH21]. **VR** [LLA+21]. **vs** [Sch20]. **Vulnerabilities** [AAT+21, FYDX21, LZJZ21]. **Vulnerability** [HON21, NPH+20, RBVV22].

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