A Bibliography of Publications about Bitcoin and Digital Cash Systems

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Title word cross-reference

$1.2M$ [McM13]. $10$ [Pop17a]. 100× [CEN14]. $145$ [Cim19]. $190$ [McK19].
$1m$ [Sou13]. $2$ [Goo18]. $28.5$ [Gre13]. $3.3$ [Cim18a]. $37$ [Lee13]. $400$ [Nak18].
$400M$ [Gal18]. $530$ [YWW+18, YWS+18]. $62m$ [Nic17]. $735$ [Osb18b]. δ [LL17b, LL17c]. PCS
[KLR+17a]. N [ZGR17].

-Bitcoin- [BS17a]. -privacy [LL17b, LL17c].

1 [BH15]. 150 [Woo14]. 16th [Ker12]. '17 [ACM17c]. 17th [Sad13]. 18-Month [De18].

2.0 [AMLH18, SI16, Six17b, SALY17, Uli16]. 2014 [Uni14]. 20th [GP17b].

34th [OF15]. 3rd [ACM17d].

'83 [CRS83]. 8th [Jue04].

Ability [SGF+17]. Abstract [BLMR14, DNSY14, Hill14, Hul17].
Abu [ACM17a, ACM17b, ACM17d]. Abuse [VBC+17].
Academic [LHZ17, NC17b]. Accelerating [GADO17, SZ13].
acceleration [Dev14]. Access [DMR17b, HHK18, ISM17, OEO16, OEO17, Cim19, DSN17, SI16].
Account [ZWQ+16]. Accountability [GP17a, HM16, KAR+15, NSNF17].
Accountable [BNM+14, VR15, vdHEM+17]. Accounts
Accumulator [SALY17].
Accumulator-Based [SALY17].
acéphale [TFG17].
ACIDRain [WB17].
ACM [ACM17a, ACM17b, ACM17d].
ACNS [IKY05].
Acquire [RS14].
Across [BGPW16, GCL16].
Activity-Based [YNS16].
Activity [ME17].
Activity-Based [YNS16].
Ad-hoc [CGFH16, LMH16].
Adaptable [LX17].
Ad-hoc [CGFH16, LMH16].
Address [EPY17, FPKH17, HM16, NH17, WLY17, Goo18].
Addressing [Cha81, GCL16].
Adhocracies [Uli16].
Adjusting [KJ17, KJ18].
admin [Cim19].
administration [AR15].
Adoption [BBBB15, Boh13, Mei18, SVL17, Str18, WLY17, Goo18].
Advances [CRS83, OF15].
Advancing [BLBS17].
Advantages [Vel16].
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Aect [Mic14].
Aected [FB17a].
Ae [CS15].
Affine [CS15].
Affinities [KD16].
Afford [BBH*13].
Affordances [Vel16].
After [KKS*17].
Again [Cim19].
Against [JLG*14, ZP17b, Bee16, EGB18, YSLH17].
Age [Tay13, Fin17b, VC15a].
Agenda [GK14, CRdK16].
AI [BT18a, DT18].
Air [Ro13].
Aktuelle [Six17a].
Alg [Michalewicz19].
Algorithm [DLL97, Pop16a, SYB14, Ste17, Che18, DLL100, HZLH19].
Algorithmic [BT18a, LN15, GS15a].
Algorithms [Bik16, vM18, Fin17b].
Alle [GH17].
Alleged [Gre13].
Almost [Coo08, IM16].
along [Mei18].
Alternative [Bhe17a, BLNN17b, But13a, GCD16, Gri11, Hii14, Ked15, KH17].
Am [AABM17].
Among [Dre17g, MPJ*13, CK16, MPJ*16].
Amortizable [Bac02b].
Amortizing [KB16].
Amounts [AK14].
Amplifying [ABF*16].
Analysis [AS14, AC17, BRS17, BP17a, BP18, Chr13, DNP17, EKK*17, FN17, HQB14, JLG*14, JCG17, KKM14, KKS*17a, KFTS17, KKS*17b, LQ15, LBS*15, LKL*14, LSH13, MMR16, MC13, NAH16, Or16, PSS17, Pop16a, RH11, RH13, RS13, Ros11, SIDV14, SL18, TSL*17, TON17, VTM14, ZK16, ZDL17a, dBH16, ALMLS16, Cap15, DMR17a, DMR18, GKL15, GCO8, Li14, LZDA16, MM17, NAH15, MLM16, ZDL17b].
Analytical [KK17a, KK17b].
Analytics [BLPB17, BS17a, VMMA17, XAZY17, XAZY18, DNZ*19].
Analyzing [DWC*17, FSW14, GDP*17, KLM17, LSO*15, ZP17a].
anchored [NNGV19].
Ancient [Ber17].
andere [Six17a].
Andrew [Ano16b, SM16].
Android [Ch13, Duc13, Seg18].
Announcement [SPB17].
Annual [OF15].
Anomaly [Bog17].
Anonymous [BLSD17, BMN*14, HJ15, JMM14, KKM14, OKH13, RH11, RH13, SMD14, VFA17a, VFA17b, WLY17].
Anonymization [WBK*17].
Anonymizing [DS15, WLS*16].
Anonymous [BBG*14, BK17c, Chr13, GM17, HBG16, MGG13, ML14, Muf16, SCG*14, MY11, ZMH*17, ZMH*18].
Answers [Pav18].
Anti [Bra13].
Anti-Theft [Bra13].
Anwendung [WLS17].
Anwendungsfall [FRSU17].
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Appetite [Pop18a].
Applicability [Scr18].
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Applications [BLNN17a, BLNN17b, CM16, GH05, HLC*17a, Kat16, MGM*17, OF15, VMMA17, WDL17, WB17, CK16, CXLC18, DMH18b, ES16, GKL15, PII16, WDL*18, XLL*19, ZZ16].
Applied [IKY05].
Apply [Int14].
Approach [CS*17, DH17, HRF17, KK17a, LSH13, MMT16b, NSNF17, RAH*15, RFM*18, SCYP17, SOA17, XWL*19, Bar17, FOA17].
Approaches [JO13].
Appropriation
XJR+17, XLL+19, YCX18, ZWH18, ZW15, ZWX+19, ZDL17a, ZDL17b, ZWGC19.

Basic [Gar17, Lei16, Ber13], Basics [Dre17b, BP17b]. Basis [HQ15, Six17e, Spr13, RBM17]. Batching [SS12, SS13]. Batters [Chi13]. Bayesian [DH17, JL17, SZ14]. BC [DKJ19], BCC’17 [ACM17b]. Be [Kan18, KKS17c, Bon14b, CEN14, Fai17]. beast [Fai17]. beat [Pec16]. become [CRdK16]. Beef [RBB19]. before [Far18a, Uni14]. befuddled [Bar14]. beginner [BDP17a, Pro13, Pro14]. Beginners [Ale18, KRL17]. Behavior [HLC+17a], behaviours [DMR17a]. Behold [DMH18a]. being [Far18a, Lew15]. Belief [Abr16]. Bell [BW17]. Benchmarks [vM18]. Beneath [ZWW+17]. Beneﬁt [FS16, HB14]. Beneﬁts [Uni14]. Bespoke [Tay13]. bet [Ito18]. Betfunding [JCHSR16]. Betrayal [Mez19]. Better [BBSU12, Spo17, WM18, Lew15]. Between [LJG15, Nis16b, KCS+14]. Beware [MC13]. Beyond [Bec18, GCD16, HS16b, HS16a, Øln16, Tro15a, TS16, Uli16, BGP16, BT18b, CV18, Und16]. BFT [MXC+16, Vuk16]. BGP [XWW17]. BGPCoin [XWW17]. Big [Drei17q, Ito18, Liu16, Pav18, TSCT18, Woll18, XWL+19, Cha85, Kel15, Lee15, LP17b, LP17c, LP18b, Tun18]. Billionaires [Mez19]. billions [Gie16]. Binance [Ano19a]. Binary [KJ17, KJ18]. Biomedical [MGDEK17, MGDEK18]. Biometrics [KFN+17], BIIPS [Sou13]. Birthday [BK17b, Lar13]. bis [MG16]. Bit [Sza08]. BitBeat [Vig15]. BITCOIN [BCJR15, CSN14, CMR+16, JRB+17, Ano18a, BS17a, BBMS14, Cin18a, Dus14, ES18, MG16, Mez19, Six17f, Hol18, Aro12, CSG+18, CRdK16, ALP15, ACM15, Ali15, AMLH15, AMLH18, AS14, AF16, ALMLS16, ALPBT17, And14, AKR+13, AK14, ADM14a, ADM14b, ADMM14, ADMM15, ADMM16, AM15, Ano13b, Ano14a, Ano14b, Ano17b, Ano17a, Ano17c, Ano17d, Ano18b, Ano18g, Ant16, Ant15, AZV17, Ast16, AMVA17, ACC+17, BDOZ11, BDOZ12, BMTZ17, BS16, BRS17, BDWW14, BHMW16, BBSU12, Bar17, BHI+14, BH15, Bar14, BP17a, BZ17, BP17b, BS16, BDP+15, BBB15, Bec18, BBH+13, Bee16, BS15, BSCG+14, BK14, BLM14, Ber15, Ber13, Bik16, BKP14, BP15, BOLL14, BMS17, Bla18, BP14, Büh13, Bcem15, BB14, BR16, Bon16a, Bon14a, BNM+14, Bon14b, BMC+15, BC16a, Bra15a]. Bitcoin [Bro13, Bra15b, Bra17, BOS15, BC16b, BDWW17, BW17, BT18b, Cae15, CV18, CC16, Cap12, Cap15, CKWN16, Car15, Cas12, CK16, CF15, CJW17, CSLD17, Chi13, CP17a, Chu15, CE12, CM14, CP17b, CEN14, CGN14, CEW15, Cou16, CSC16, Cou13, CS15, Cus14a, Cus14b, DBB+15, DSM+17, DP17, De18, DW13, DW14, DW15, DGSW15, DS16, DVM16, DSVHJ18, Dev14, DMH18i, DMR17a, DMR18, DS17b, Dim17, Dix17, DS17, DNSY14, DNY17, DPSJ14, DS15, Duc13, EDS15, Edel14, Edw15, EBHBL16, EPY17, EBS15, ECHL16, Eva14, ESI14a, ESI14b, FOA16, FOA17, Fai17, Far18a, Far18b, FNP17, FSW14, FPKH17, Fin17a, Fox17, Fra14, FB17a, FMR+16, Fri14, FS16, G.17, GHMO17, GCL16, GKL15, GKL17, GS15a, Ge16, GGN16, GMS17, Ger16, GKK14, GKK18, GRK15]. Biomedical [Gev16, G15, G14, C16, G18, C19]. Biometrics [KFN+17]. BIIPS [Sou13]. Birthday [BK17b, Lar13]. bis [MG16]. Bit [Sza08]. BitBeat [Vig15]. BITCOIN [BCJR15, CSN14, CMR+16, JRB+17, Ano18a, BS17a, BBMS14, Cin18a, Dus14, ES18, MG16, Mez19, Six17f, Hol18, Aro12, CSG+18, CRdK16, ALP15, ACM15, Ali15, AMLH15, AMLH18, AS14, AF16, ALMLS16, ALPBT17, And14, AKR+13, AK14, ADM14a, ADM14b, ADMM14, ADMM15, ADMM16, AM15, Ano13b, Ano14a, Ano14b, Ano17b, Ano17a, Ano17c, Ano17d, Ano18b, Ano18g, Ant16, Ant15, AZV17, Ast16, AMVA17, ACC+17, BDOZ11, BDOZ12, BMTZ17, BS16, BRS17, BDWW14, BHMW16, BBSU12, Bar17, BHI+14, BH15, Bar14, BP17a, BZ17, BL17, BS16, BDP+15, BBB15, Bec18, BBH+13, Bee16, BS15, BSCG+14, BK14, BLM14, Ber15, Ber13, Bik16, BKP14, BP15, BOLL14, BMS17, Bla18, BP14, Büh13, Bcem15, BB14, BR16, Bon16a, Bon14a, BNM+14, Bon14b, BMC+15, BC16a, Bra15a]. Bitcoin [Bro13, Bra15b, Bra17, BOS15, BC16b, BDWW17, BW17, BT18b, Cae15, CV18, CC16, Cap12, Cap15, CKWN16, Car15, Cas12, CK16, CF15, CJW17, CSLD17, Chi13, CP17a, Chu15, CE12, CM14, CP17b, CEN14, CGN14, CEW15, Cou16, CSC16, Cou13, CS15, Cus14a, Cus14b, DBB+15, DSM+17, DP17, De18, DW13, DW14, DW15, DGSW15, DS16, DVM16, DSVHJ18, Dev14, DMH18i, DMR17a, DMR18, DS17b, Dim17, Dix17, DS17, DNSY14, DNY17, DPSJ14, DS15, Duc13, EDS15, Edel14, Edw15, EBHBL16, EPY17, EBS15, ECHL16, Eva14, ESI14a, ESI14b, FOA16, FOA17, Fai17, Far18a, Far18b, FNP17, FSW14, FPKH17, Fin17a, Fox17, Fra14, FB17a, FMR+16, Fri14, FS16, G.17, GHMO17, GCL16, GKL15, GKL17, GS15a, Ge16, GGN16, GMS17, Ger16, GKK14, GKK18, GRK15]. Bitcoin [Gev16, G15, G14, C16, GCR18, Gin16, GAK17, GZH+14, GK17, God15, GGK+14, Gom16, GDT17, Gri11, GS15b, HQ15, HS16b, HS16a, HW17, HLC+17a, HC12, Hea13, HBG16, HG15, HBJB14, HJ15, HJPS16, Hill14, Hill15, Hob13, HM18, Hou14a, Hou14b, Hou16, HC+18, HB14, Hur16, IM16, JL17, JKKX16, JMM14, JZLL17, JL+14, JSK+17, K.13, KA12, KAR+15, KA16, Kar16, Kat17, KBS17, KK17a, Kay17,
KRL17, Kel15, Ker14, KCD17, KSCD16, Kha15, KH17, KT15, KKS14, KH16, KCS+14, KKM14, KKS+17a, KD16, KL17, KDF13, KJGW17, Kru13, KB14, KMB15, Kni16, K17b, KKS+17b, KKS+17c, LB18, LMLA17, LJG15, Lee13, Lec15, LW16, LD17, LDS+15, Li14, LZDA16, LKL+14, LT17, LZC+17, LLZ+17, LSH13, LN15, Lot17, LSP+15, CfvdPS15, MMR16, MG16, ML15.

Bitcoin [ML17, Mat13, Mat14, MLM15, MLM16, MHH+16, SCH15, MSS16, MS17, MO15, Mic16, Mic14, MGGR13, ML14, MKKS14, MJ+14, MKKS15, Ml15, MB17, MM15, MK15, Ml13, MMT16b, MMT16a, MC13, MBB13b, MB14, MB15, MES16, MBB13a, Mu14a, Mu14c, Mu14b, Mu14e, Mu14d, Mu14f, Mu14h, NC17a, Nak08a, Nak08b, NBF+16, NC17b, NH16, NAH15, NAH16, NH17, Nic17, Nis16a, Nis16b, OM14, OKH13, Oln16, Ort16, P16, PS16, PSDSNJM19, PR16, Pla13, Pop15, Pop16b, Pop17a, Pop17b, Pop18a, Pop18b, PHD+17, Pro13, Pro14, RA+15, RJK+17, Ras13, RH11, RH13, RRM18, Riz16, Ro13, RS13, RS14, Ros11, Rot17, RSMK14, RMS17, SCYP17, SOA17, SI16, San14b, San14a, SSZ17, SK14, SK15, SK17, SCG+14, SM14, Sch13].

Bitcoin [SBBR17, SBRS16, SZ14, Sha17, SGF+17, Shi16, Sid14, SCA16, Sir16a, Sir16b, Six17a, Six17b, Six17d, Six17c, Six17h, Six17f, Six17i, S17, SY15, SPB17, SZ13, SZ15, SZ17, SZ18, Son14, SKG12, SKG13, Sou13, SMZ14, Ste17, S15a, TFG17, TT16, TTC16, Tay13, Tay17, TD17b, TOM17, TS16, Uni14, Und16, UJ16, Ur17, Uq17, VR15, VG17, Van14a, VCL17, Van14b, VGJ15, VTM14, VM15, VBC+17, Vel16, VTL17, VVF17a, VVF17b, VC15a, Vig15, VCI5b, VDK16, VD17, VX17, VSM+19, Vra17, WL15, WLY17, WH17, WQHX17, WLS+16, Wj16, WA15, Wb14, Wo16, WZQ+17, YK15, Ye15, YV17, YSLH17, YSZ+19, ZW15, ZP17a, ZP17b, ZG15, ZC16, ZWQ+16, ZGTT16, ZDL17a, ZMH+17, ZMH+18, Zoh15, ZGR17, dBHC17, dre14, Ano16b, SM-16].

Bitcoin-Based [Van14b, HCM+18].

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Bitcoin-Handbuch [MG16].

Bitcoin-like [VGJ15].

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Bitter [BBS12].

Blockchain [vdHEM+17].

Blind [Cha83, WZQ+17].

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Blinded [VR15].

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Block-Withoutholding [SPB17].

BLOCKBENCH [DWC+17].

Blockchain [ACM17b, AK17, ABR17, AKP17, AKP18, ACW17, ARBK17, Ael18, AvM18, ABL18, Ano18c, Ano19c, AT17, AMVA17, ACC+17, AC17, BABB17, BT18a, BLPB17, BART17, Bec18, BR17, BDP17a, Ber17, BLS17b, BSV17, BK17a, BK18, Bhe17a, BIo16, BCM16, BKM+17, BC16a, BO17, Bru17, BFS17, BFS18, BLNN17a, BLNN17b, C15, CDD17, CCMN17, CG16, CR17, CBWF17, CJW17, CXS+17, CQLL18, Coh17, CDS+19, Dan17a, DNP17, DW18, DMH18b, DMH18c, DMH18d, DMH18h, DMH18k, DMR17b, Di 17, DNZ+19, DT18, Drel17b, Drel17m, Drel17p, Drel17q, DF17b, DXR+17, DP18, DF17a, ET17, EZ17, EZ18, Eya17, Fai17, FNP17, Fo17, FRSU17, Gar17, GANAHHJ17, GBP17, GBS17, Ger16, GR17, GCD16, God15, GL16, Hal18, bAHRAK17, bAHRAK18.
Blockchains

[HSB17a, HSB17c, HSB17d, HSB18d, HSB18f, HSB18e, HSB18h, HSB18i, HP17, HP18, HTCW17, HTCW18, HLC17c, Hu17, Hur16, HM19, HRF17, IPS17, IGRS16, JB17a, JB17b, JB18, JMK17, JL17, Kabi17, KFN17, Kar16, KC18, KK17a, KG17, KKK17, KJ17, KJ18, KET17, KUE17, KUEE18, KFR18, Ksh17a, Ksh17b, Ksh18, KV18, KFT17, KK17b, Las17, Lau17, LL16, LL17a, LMWL17, LMH16, LN17, LMR17, LW17, LZY17, LABK17, LST17, LK17, Lim18, LSM17, LP17b, LPW17a, LP17c, LP18a, LPW18, LP18b, Liu16, LX17, MMR16, ME17, MHH16, MSC15, MCJ17, MHWK16, MK15, Mor17a, Mor17b, Mor17d, Mor17c, Mor17e, MG17, MGDK17, MGDK18, NNGV19, NSNF17, aNOE17, NGHS17, NCS17, OOF17, OA17, Oln16, OJ17, OEO16, OE17, OY17, PSS17.

Blockchain-Based

[ABL18, HM19, HRF17, KET17, KUEE17, KUEE18, LX17, RBB19, RBL17, WLSZ17, XAZY17, XAZY18, XWL17, YW18, BLS17, CJW17, JMK17, LL17a, LHM16, LST17, NSNF17, OY17, SBHD17, Sub17, SYZ16, VMM17, XWW17, XJR17, XCY18, KUE17, Kra15, Kra16a, Lev17, MNB17, Sub18, XLL19, ZWGC19.

Blockchain-Driven [HSB17b, HSB17a, HSB17d, HSB18f, HSB18h].

Blockchain-Enabled

[KV18, Las17, LN17, BKM17].

Blockchain-LI [YNS16].

Blockchain-Ökosysteme [Sto17].

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Blockchain-Powered [QFLM17].

Blockchain-Technologie [DF17b, DF17a, HP17, HP18, TNM17, BP17b].

Blockchained [Lei16].

Blockchains

[ADA17, BNHM17, BLBS17, BDP17b, BS17b, BS18, Bg017, CDE16, DdFP18, DL17, DWC17, EMEHR17, EN17, GvRS17, GKW16, GGG17, HS16c, HM16, Her17, Her19, LSF17, LDH17, LNZ16, MDAP16, MAP16, MBC17a, MWV17, Moh17, NMH16, O'C17, PdWWS16, RM19, RBS17, Six17e, Sp017, SDF17, Vulk17, Yer17, ZZJ17, Ano18a, CV18, Cro18, HZL19, Vra17, Wm19, Wu16, PdWWS16, Rbm17].

blockchange [Gal18]. blocked [Tun18].

BlockNDN [JZL17].

Blocks

[Abr18, DCK17, GFK15, JSK17, Bra15b].

BlockSim [AvM18]. Blocktime [Swa16].

Blocktrees [JCG17]. Bloom [GCKG14].

Bloomberg [Ro13]. Blueprint [Swa15a, Swa15b]. Blues [K13].

Bond [LS17]. Bonneau [Ano16b, SM-16].
Book [Ano16b, Lev17, SM-16].
Book-smart [Ano16b, SM-16].
Booth [DH17, Goo18].
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Bounty-Based [JCHSR16].
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Bulletin [CGJ17].
Business [BART17, CWL17, GBPDW17, ME17, MWV18, Mor17f, WXR16, Hall18, RBM17, TT16, TTC16, Uni14, ZW15, ZW17, ZFY16, ZFY17].
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Buy [ECHL16, Ito18].
Buyer [HWDD17, HSB17a, HSB17b, HSB18a, HSB18b, HSB18f, HSB18e, HSB18g, HSB18h, HSB18i, Kra16b, WCL17, Che18, DF17b, NNGV19, PB17].
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Challenging [VC15a, VC15b].
Chancen [Ker14, San14a].
Change [FWB15, KRL17, Mor17c, Ke15].
Changing [Pa18, TT16, TTC16].
Channels [ABF16, DW15, GM17, Kra16b].
Chaos [LB18].
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Characterizing [GCL16, MPJ16, MPJ16].
Character [HZLH19, KUE17].
Characterize [G.17].
Check [Pal18].
Checks [YWS18].
China [CP17a, K.13, Son14, ZZ16].
Chinese [Son14].
Choice [Kan18].
Choosing [Dre17d].
Christian [BBS14, CSN14, CMR16, GP17b].
Church [BBMS14, CSN14, CMR16, GP17b].
City
Design [BK14, BLSD17, EGB18, Fot17, Lin15, MAQ99, SK17, Wör16]. Designated [WHJ17]. Designated-verifier [WHJ17].

Disputed [ABL18]. Disruption [BBBB15]. Disruptive [DT18, FRSU17, GR17]. disruptiver [FRSU17]. Distributed [ALPBT17, AKGN18, AABM17, Brii17, CZJ17, EGB18, ECD017, EG17, HL16, HLC17a, Her17, Hul17, JCHSR16, KMOD17, KYY19, LDWS17, Lau11b, LS17, LL17, LSP15, MGM17, Mei18, MGGR13, NST17, Poe14, RBB19, RLT17, SD16b, Str18, TD17a, Wat17, Wei18, ZWQ16, BS15, CK16, CM19, Her19, PLSS17, ZWH18]. Distributing [Dre17g].


docential [HA15]. doctrinarias [HA15].

document [HS91]. Documentation [An17b]. Documenting [Dre17a]. Does [HSB17c, HSB18g, SGF17, Ste17, An17d, Fai17, RE18]. Domain [JB18, RBS17].

Dominant [AC17]. Don’t [MH16, Pal18]. doors [LZDA16].


Double-Spender [DNY17].

Double-Spending [KAC12, LGC17, KAR15, LGC17, PSDSN119, YSL17]. Down [Son14, Vig15, Zet13, Sha17]. DPM [GANAH17]. DPS [FF17]. DPS-Discuss [FF17]. Drain [VBC17].

Draw [An18j, Ole18]. Dread [RS14]. Dreamers [HM18a]. Dreams [Eya17]. Drive [BKH17a, BK18, Seg18]. Drive-by [Seg18].

Driven [HSB17b, HSB17a, HSB17d, HSB18f, HSB18e, HSB18h, DMR18].


DSA/ECDSA [GGN16, GGK14]. Dubious [Roo18]. Due [Ami16, McL13].
Govern [RRD17]. Governance
[ACM17c, BCEM15, Mor17b, QFLM17, ROH16, Yer17, CV18]. Governed
[LDH17, NOT15]. Government
[OA17, Qin16, OJ17]. Grand
[Far18a, Ort16]. Graph
[DHES16, FPKH17, MMR16, OKH13, RS13, ZG15, BDP+15, DMR17a, DMR18, Tro15b]. Graph-Based
[ZG15]. graph-theoretic
[Tro15b]. Graphene
[OAB+17]. Graphics
[Zei16]. Gratis
[Six17f]. Gratis-Bitcoin-Okosphäre
[Six17f]. Great
[WA15]. Green
[PTPR17, PTPR18, CCMN17]. Grid
[GH05, KUEE17, KUEE18, ALP15, JAK19, MBN+17]. Grind
[JB18]. Group
[OOF+17, Tun18]. Grouping
[NTKS17]. grow
[Ker18b]. Growing
[JB17b]. grows
[SZ13]. Grundlage
[RBM17]. Grundlagen
[BP17b]. guarantees
[CCMN17, Sir16a]. Guidance
[Int14]. Guide
[Sch14a, BDP17a, BT18b, Mil15, Pro13, Pro14, Wal19]. Guidelines
[BO17]. gut
[Pla13]. Gyges
[JKS16].

Hack
[McM13, Nak18, WSZN18]. Hacked
[Abe18, DMI18c]. Hacker
[Osb18a]. Hackers
[WREK18, Nic17]. Hacks
[dre14]. Hadoop
[Li14]. Handbook
[LMC18, Lee15, MG16, OZ16]. Handbuch
[Ale18, MG16]. handful
[AF16]. Handling
[LMLA17]. Hands
[PL16]. Hands-on
[PL16]. Handshake
[XJY17]. Hard
[But13a, Lar13, Ler13, ML14, Per09, Tro14a, Tro14b]. Hardfork
[MCHM17, MMH17]. Hardware
[BNMH17, NHM16, SNM17, Tay17, WRB15]. Hash
[Bac97, Bac01, Bak09, VFN91]. Hashcash
[Bac02b, Bac02a, Bac03, Tro15a]. Hashimoto
[Dre14]. Hashing
[Dre17j, Dre17j, Ler13, Tro15a]. HCI
[SK15]. headless
[TFG17]. Health
[DMH18c, SDT17]. Healthcare
[ARBK17, Ksh18, RRD17, YWJ+16, CDS+19]. hearing
[Uni14]. Hearings
[Dus14]. Heater
[Lin15]. heck
[Kay17]. heist
[Abe18, Far18a, Hol18]. Heists
[dre14, Gal18]. held
[Uni14]. Help
[MBE17a]. Heterotopia
[MK15]. Hey
[KD16]. Hidden
[EZ17, EZ18, GZH+14]. Hiding
[AK14]. Hierarchical
[GS15b]. High
[CGFH16, DMI18g, DMI18e, MPS17, SS12, SZ15, TOM17, Vail16, XLM+17, XZK+17, ZLX+17]. high-availability
[ZLX+17]. High-Frequency
[Vail16]. High-Performance
[DMH18g, DMI18e]. High-Rate
[SZ15]. High-Throughput
[MPS17, SS12, XLM+17]. Highlights
[Sup16]. Highly
[JKKX16, Far18a, RST11, Cim19]. Highly-Efficient
[JKFX16]. highway
[Gal18]. Hijacking
[AVZ17]. History
[AMVA17, Dre17d, Hill14, Abe18]. Hit
[Ker18b, Lee13]. hitchhiker
[Wal19]. hoc
[CGFH16, LMH16]. HOL
[ABBS18]. Hole
[bHRAK17, bAHRAK18]. Honey
[MX+16]. hood
[Zol15]. Hop
[Voi11]. Hop-Proof
[Voi11]. Hope
[Bue18, Per17]. hopes
[Pal18]. hopping
[Hol18]. hopping
[CK16]. Host
[Ro13]. Hosts
[SD16a]. Hours
[Cim18b]. House
[PTPR17, PTPR18]. Hub
[BKM+17]. huge
[Hol18]. Human
[PHD+17, Har17]. Hundred
[Uni14]. hybrid
[HZLH19]. Hype
[Per17]. Hypergraph
[RJK+17]. Hyperledger
[BSV17, DMI18j]. Hyperpubsub
[ZZJ17].

I.R.S.
[HM18]. I/O
[Dry14]. IBM
[MDN+18]. Iceland
[Ano18g, Far18a, Hol18]. Icelandic
[Far18a]. ICO
[Ito18, Osb18a]. Idea
[BP15, Nis16b]. Identification
[TOM17, Cha85]. Identifying
[Dre17k]. Identities
[ACC+17, Smo18]. Identity
[AK17, AB17, AABM17, DP18, FR16, Hal17, LN17, LLW17]. Identity-Based
[LLW17].
List [Ano13a, dre14]. Litecoin [HQ15].
Literature [SS17a]. Live [BR16]. Loafing [OOF+17]. Local [MMT16b, MNB+17].
LocalCoin [CGFH16]. Locality [FOA17]. Location [DS15, ECO17]. lock [RSW96].
Locked [FYK17, DSPSHJNA18]. Log [ABL18, Bon16b, MBD+12]. Log-Based [ABL18].
Logic [BFS17, BFS18, HM16, IGRS16].
Logic-Based [GRS16]. Logs [SS17b, vdHKZ14]. Long [BR16, LJG15].
Long-Term [LJG15]. Longest [Con14].
Longitudinal [MB15]. Look [Ano18d, DP18, HS17c, HS18g, HMS17, EBSC15].
Lösungsansätze [Six17]. Lotteries [BZ17, MB17]. loves [Ano14a]. Low [GAK17, ÖY17, Lee13]. Low-Level [GAK17].
Low-power [ÖY17]. Luck [MHMK16]. Lucky [SIDV14]. Lunch [VM15].

Maduro [Ano17e]. Mail [Cha81, DN93].
mainstream [Fai17]. Major [Lee13, dre14].
Majority [ES14b, ES18]. Make [BBSU12, VTL17, Cha85, Cro18, DM18b, Ga18, Lau11a].
Making [DSW15, LCO+16, XWL+19]. malicious [Xu16, BBM+18]. Malleability [ADM15].
Malleability [ADMM15, DW14, PW17, RAH+15, LLZ+17]. Malta [JR17].
Malware [Ami16, Cim18b, DH17, Ker18b, Bar18, LSS14, Pal18, Tun18].
managed [LMH16]. Management [ACV17, DP18, GANAHH17, HP17, HP18, KKS14, MWV+18, VM17, XWW17, YW18, ZWQ+16, Cus14b, EBSC15, Wij16, ZWG19]. managing [AMLH18].
Manipulation [GHMO17]. Manual [Ale18].
Many [It018, Ano13b, Sp017]. Manycast [MCD15]. Mapping [DS15, LN17]. maps [Che18]. March [BBMS14, CNS14, Ker12].
Market [Ano18e, Hii15, MLM16, Ort16, Str18, Wör16, YK15, CCMN17, KCS+14, LB18, LMR17].
Marketplace [Chr13]. Marketplaces [KET+17, LPS18, Sub17, Sub18]. Markets [KCD17, CF15, LT17, MNB+17, VX17].
Maximization [SCYP17]. May [Kan18, Bon14b]. Maybe [DL17]. Mean [Ste17]. measure [Bac02a]. Measurement [Chr13, LZD16].
Mechanising [PS18]. Mechanism [HLC+17a, KKL+17a, Shi16].
Mechanisms [JSK+17]. Media [CR17, MLM16, MLM15, VD17].
MediBchain [ARBK17]. Medical [ISM17, Liu16]. Meet [Ras13]. Meets [DSW16]. Mehr [Dix17]. Memory [But13a, Lar13, Lec13, VCLK17, DKJ19, Per09, Tro14a, Tro14b].
Memory-Easy [But13a]. Memory-Hard [But13a, Lar13, Per09, Tro14a, Tro14b].
Men [MPJ+13, MPJ+16]. Merchant [Mul14d]. Merge [Hea13].
Message-Locked [FYK17]. Messaging [Hal17, MCD15]. Meta [SV16].
Microgrids [BLSD17]. MicroMint [RS96a, RS96b, vS02]. Micropayment
[BDW17, DW15, RM19, RS96b, RS96a].
Micropayments [Pas15, Riv04]. Microsoft [Cim18b, Tun18]. Middleman [MC13].
Might [Hur16]. Miller [Ano16b, SM-16].
Million [Cim18a, Gre13, McK19, Nak18, YWW18, YWS18, Cim19, Osb18b].
Millionaires [Ras13, Pop15, Pop16b].
Millions [Ano19a, BBM18, Seg18]. Mind [Ano14a, MBC17b].
Miner [Eya15, Ler14b, SGF17, WL15, CSLD17, Tun18]. Miners [BBM18, GCD16, Kan18].
minimal [MAQ99]. Mining [Abr18, BS16, BH15, CN14, De18, DMH18i, Dim17, ES14a, ES14b, Hou14a, Hou16, JLG14, JZS17, Ker18a, Ker18b, KKKT16, KJ17, KJ18, Kwo14, KKS17b, LJG15, LBS15, LL17b, LL17c, LSP15, Mat14, MKS14, MKSS15, Mul14e, RJK17, Ros11, SCYP17, SSZ17, SBR17, VTL17, ZWW17, ZP17a, ZP17b, ZGR17, BHI14, CEW15, Dev14, ES18, Goo18, Hol18, KDF13, OM14, Ole18, Tro15a, VDK16, Nic17].
Minority [Ort16]. Misbehavior [KAR15].
Mistiffits [Pop15, Pop16b]. Mitigation [BRS17, RBL17, RBS17]. Mixcoin [BNM14].
Model [FOA16, FYK17, HG15, LS17, LT17, ML14, OE016, OE017, NAH15, WCX16, ZW15, ZW17, ZDL17a, ZDL17b].
Model-based [LT17]. Modeling [ADM14b, JL17, CFvP15]. Modelling [Kab17]. Models [vM18, Kat17, LW16, PR16, RBM17].
Moderately [ML14, VA15].
monete [AF16]. Monetised [Zei16]. monetizing [HDM14]. Money [BWZ17, Ber13, Bhe17c, Drel17s, Gia15, Har17, Nak18, Nis16b, Pan96, WvB14, CSG18, Fri14, G.17, GC08, Mö13, MBB13b, MBB13a, Nis16a, OC16, Pal18, Pop15, Pop16b, Rot17, Sch14b, SZ13, TT16, TTC16, VC15a, VC15b, PP16].
Money-over-IP [Gia15]. Monitoring [WXR16]. monnaie [San14b, TFG17].
Month [De18]. Moonwalk [KZVT17].
Moratorium [De18]. Motivates [BSB16].
Mulls [De18]. Multi [ABL18, BB17, WLL13, ZGH15, LB18].
Multi-domain [RBS17]. multi-fractality [LB18]. Multi-Party [ZGH15, ABL18].
Multi-processor [WLL13]. Multi-faceted [MNT16b].
Multiparty [ADMM14, BZ17, CGJ17, ADMM16]. Multipurpose [Fir18].
multisignature [ES16]. My [MBC17b]. mysteriously [Osb18a]. Myths [EBHBL16].
aar [PdWWS16]. Nakamoto [Sha17].
Namecoin [HQ15]. named [JZLL17]. Names [MPJ13, HS97, MPJ16].
navigating [Hol15]. Near [Ber17].
Necessity [ZP17a]. needed [Fai17]. needs [Pec15]. NEM [Ano18]. nervous [Ano13b].
Net [Kuz19]. Network [AK17, BKP14, DW15, DPHJ14, EBHBL16, FOA16, FSW14, KLM17, KKM14, LL17, MCD15, NAH16, NH17, RRM18, SOA17, SCAA13, SMZ14, VFV17a, VFV17b, WL15, WRB15, YK15, BS15, Cas12, CK16, DW13, FOA17, IKY05, KCS14, Lee13, NC17a, NAH15, Six17h].
networking [JZLL17]. Networks
Overlays [CM16, MO15]. Overstock [Sid14]. Overview [Ros12, YMRZ18, ZFY16, VG17, ZFY17].

Own [Ano18b]. Owner [Gre13]. Ownership [Dre17h, Dre17w, HP17].

P2P [ACM15, Ali15, BKP14, Cas12, DPSHJ14, FSW14, HLC+17a, KKM14, Nak08b].


Password-Protected [JKKKX16]. Path [LCL17, Mei18]. Pattern [RJK+17, TOM17, HLC+17b]. Patterns [EZ17, EZ18]. PAXOS [DL100, DLL97, GL00, HMS17, Lam01, MBD+12, MPSI17, PLSI17, RST11, Ros03, SS12, SS13, VA15, VB08]. PaxosStore [ZLX+17]. Pay [Ede14, HSB17d, HSB18h, ZGR17, BDE+13].

Pay [Dre17q]. Payload [Kan18].

Payment [AH12, CGFH16, DW15, EKK+17, GM17, KG17, Le16, LZC+17, MMSK+17, MMSH16, MS17, RLT17, Sch98, Sou13, C JW17, Kh15, ZWX+19]. Payment-Channel [MMSK+17].

Payments [AM15, BSCG+14, Bon16a, CCGN17, Cha83, DNSY14, DNY17, Gev16, Gom16, KAC12, MPJ+13, SCG+14, Bar18, Gin16, HCW+18, MPJ+16]. PayWord [AH12, RS96a, RS96b]. PCS [KLR+17].

Pedigree [NC17b]. Peer [Ano17a, CVM17, CS15, GH05, KN12, NAH16, SOA17, SZJ17, FOA17, Nak08a, NAH15, TF16, VCS03].

Peer-to-Peer [Ano17a, KN12, NAH16, SOA17, CS15, GH05, SZJ17, FOA17, Nak08a, NAH15, TF16, VCS03]. Peers [Dre17g]. Penalizing [RKS15]. Penalties [KB16, KV16]. People [BSB16].


Permissioned [EN17, HS16c, Vuk17, ZZJ17]. Personal [LN17]. perspectives [HA15]. Perspective [FSW14, Km16, LD17, Mor17f, Mor17g, Sir16b, Sve17, CZ16, Her19, KFR17].


phenomenal [GC08]. phishing [Pal18].


Planning [Dre17m]. Plans [Ano17c].


Point [ECHL16]. points [For18a]. Poker [KMB15]. police [Ano18g, Far18a, Hol18].


poorer [Ano13b]. Popularity [VM15].

postage [Bac97]. Postal [JB17a]. Poster [CGFH16, DNS14, Hill14, JCG17, XWW17, MHH16]. Potential [BBBB15, Drec17o, Hill15, HSB17c, HSB18g, CXLC18]. Pound [Hill14]. Power [Bon14a, DVRM16, LSP15, Cae15, Hol18, Ole18, ÖY17].

Powered [QFLM17]. powerful [Hol18]. Powering [AMLH15]. powerful [Hol18]. Power [Bon14a, DVRM16, LSP15, Cae15, Hol18, Ole18, ÖY17].

Powered [QFLM17]. powerful [Hol18]. Powering [AMLH15]. powerful [Hol18]. Power [Bon14a, DVRM16, LSP15, Cae15, Hol18, Ole18, ÖY17].

Powered [QFLM17]. powerful [Hol18]. Powering [AMLH15]. powerful [Hol18]. Power [Bon14a, DVRM16, LSP15, Cae15, Hol18, Ole18, ÖY17].

Powered [QFLM17]. powerful [Hol18]. Powering [AMLH15]. powerful [Hol18]. Power [Bon14a, DVRM16, LSP15, Cae15, Hol18, Ole18, ÖY17].

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Powered [QFLM17]. powerful [Hol18]. Powering [AMLH15]. powerful [Hol18]. Power [Bon14a, DVRM16, LSP15, Cae15, Hol18, Ole18, ÖY17].
Properties [Gar17, YK15, DMR18].

Property [Int14, Zei16]. proportion [YV17]. Proposal [GP17a, SI16, HC12].

Prospects [SCYP17]. Prospects [Hil14].

Protect [KKX16, RS14]. Protected [JKKX16].

Protection [Dre17k, Dre17n, WLL+13]. protection [BP17b, HWDD17]. Protocol [BLP17, Böhl13, Coe08, GLKL17, HLC17c, KKS14, LN17, Ler14b, LIW17, LNZ+16, ML15, MS17, MHK16, OAB+17, PSS17, SYB14, SALY17, WCL17, ZP17a, BB15, GKL15, Hea13, KRD017, Ler14a, CFvdPS15, ML17, VG17, ZW15]. Protocols [BK14, LABK17, Mer80, MXC+16, KKS+17a, PLSS17, P’16, ZWH18].

Provable [SDT17]. Provably [Pia16, KRD017]. ProvChain [LST+17].


Prozess [KFR17, KFR18]. Prozess- [KFR17, KFR18].


Public-Ledger [Eva14].

Public [Bac02b, YCX18]. Publish [ZP17b, ZZJ17].


Qatar [Ano18j]. quality [BR17].


R [Li14]. R-Hadoop [Li14]. Race [Mat14, Pec13]. Radiation [DXR+17].

Raises [Pav18, Osb18b]. RAM [PKP17].

Rampenlicht [ABR17]. random [Duc13].

randomness [LB18]. Ransom [BBM+18].

ransoms [LSDA16]. ransomware [UJ16].

Raps [YWS+18]. Rate [SZ15]. Rates [HG15]. Rating [Van14b]. Re [Nak08b].


Reality [Mic14]. Realization [DNP17].

really [BWZ17]. reappeared [Osb18a].

reasoning [PLSS17]. Rebalancing [KG17].

Recht [Ano16a]. Recognizing [Dre17o].

Reconciliation [OAB+17]. Record [Liu16, SD16b]. Records [Ksh18]. recovery [CSC16]. Recruiting [ACV17].


Redesigning [VFV17a, VFV17b].

redirection [CZJ+17]. Reference [AS14, VDG19].

Reifiable [DHES16].

Reflections [Gev16]. Refund [MSH17].

regarding [Ano18]. Register [ALPBT17].

Registration [AABM17].

Regression [SZ14].

Regulation [Ano14b, Lew15].

regulatory [Lyn14]. reimburse [Abe18].

Reinforcing [EN17].

reinvent [Pop15, Pop16b]. Reinventing [Dre17p].

Related [KCD17, WB17].

Relational [AAG17].

Release [Mat13, Wol18, RSW96]. released [Sch13]. reliability [BHS93].

remains [Goo18]. Repay [McK19, Nak18].

Repeatable [WDL17]. replaces [Goo18].

Replication [Vuk16]. Repositories
[FB17a]. Survey [Ami16, ABC17, TS16].
SURVIVOR [JAK19]. Suspected [Cim18a, Ano18g]. sustain [Fai17, KH16].
Sustainability [Vra17, LMC18].
Sustainable [AKP17, AKP18, MNB17].
Swimming [ZWW17]. Swindle [Ito18].
SWOT [MM17]. SXSW [Vig15]. SYbil
[BOLL14, FWB15, FF17]. Sybil-Resistant
[BOLL14, FWB15, FF17]. Syndicate
[HM19]. Syntax [LS17]. System
[AvM18, BART17, GK14, GCD16, HTCW17, HTCW18, IGRS16, LDWS17, LX17, MCJ17, Mor17a, Mor17i, OR17, Ros11, SS17a, Sve17, WLXC17, Cha85, GC08, Ker18b, Kra15, Kra16a, Six17i, Six17i, Six17j].
T [Che18]. T-S [Che18]. Takeover
[BBM18]. tale [dS17a]. Talk
[Gar17, Spo17, Zoh17]. talking [GH17]. talks [BWZ17]. Tamper
[GRK15]. Tamper-Resistant
[HL16]. Tampering
[GRK15]. tangible [BOS15]. targets
[Seg18]. Tariff [KUEE17, KUEE18, KUE17]. Tax
[Int14, WLSZ17, Lyn14]. Technical
[Sir16b, Spr13, TS16, Via16, EHHB16, BP17b]. Technique [Riz16]. Techniques
[OF15, Hea13]. Technische [BP17b].
Technological [DMH18]. Technologie
[Ale18, DF17b, DF17a, HP17, HP18, KFR17, KFR18, TNN17, BP17b]. Technologien
[GR17]. Technologies
[ATD17, BT18a, CR16, EGB18, GBSAS17, PP16, ROH16, SJZG19, YNS16, AR15, NBF16, Ano16b, SM-16]. Technology
[AKP17, AKP18, ACW17, Ano19c, BART17, Ber17, BK17a, BK18, BCEM15, Cus14b, Eya17, Fot17, GANAHHJ17, Ger16, HSB17c, HSB18d, HSB18g, HSB18i, HTCW17, HTCW18, JB17a, JB18, KSCD16, KD16, KYV19, LSN17, MGDEK17, MGDEK18, MBOE17, OOF17, Oln16, OJ17, OEO16, OEO17, RC16, SPJ17, SK15, SS17a, Smo18, TBY17, YMRS18, Ale18, BR17, BP17b, CZ16, CXL18, DF17b, HP17, KFR17, MDM17, Pil16, Rai18, SK18, SYZ16, TT16, TTC16, Wat17, ZW17, ZZ16].
Telegram [Fir18]. telematico [MS15]. Tell
[Ber17]. Temporality [Swa16]. temporarily [Lee13]. Ten [Mei18].
TenderMint [Kwo14]. Term
[Dre17e, LJJG15]. Terminal [ECHL16]. Terror
[Car15]. Tessera [Li14]. Testing
[BHMW16, CQLL18, WDLS17]. Theft
[Ano19a, AGGM16, Bra13, YWW18, YWS18, Far18a]. Thefts
[dre14, Ano13b, Duc13]. Their
[CDD17, JKS17, Ito18]. Them
[Mic14, Hol18, Ito18, Lau11a, Sha17].
Theorem [Hir17, Ano18a]. Theoretic
[JLG14, LJJG15, LBS15, SCYP17, Tro15b]. Theories
[ROH16]. Theory
[OF15, RFM18, DB16, Ito18]. There
[Pop18a, VM15, Tro15a]. these [Cim19].
Thieves [Hol18, Ano18g]. thing
[LP17b, LP17c, LP18b]. Things
[CVM17, DGP17, Ksh17a, Ksh17b, LL16, LL17a, Mic14, QFLM17, Sve17, XAZY17, XAZY18, ZW17]. Thinking
[Dre17v]. Third
[FWB15, IKY05]. thirst [Far18a].
Thirteenth
[Uni14]. thousands [Nic17].
Thread
[CSDL17]. Thread-
[CSDL17]. Threats
[EGB18]. Three
[FKY+17, HLC17c]. Three-Party
[FKY+17, HLC17c]. Threshold
[GGN16, IK17, DS17b, GGK14]. Threshold-Optimal
[GGN16]. Throughput
[MPSP17, SS12, XLM17]. Tickets
[Tac17]. Time
[EZ17, EZ18, JCG17, KK17a, Lei16, RRCL17, RSW96, Swa16, Wör16, XLM17,
BHS93, DB16, HS91, Ker18b, Lam89, PR16. 
Time-lock [RSW96]. time-stamp [HS91].
Time-stamping [BHS93]. Timed
[ADM14b, RSW96]. timed-release
[RSW96]. Timestamp [SPB17].
Timestamp-Free [SPB17]. timestamping
[MAQ99]. Timestamps [DHES16]. Timing
[NAH16]. Tip [KRL17]. Tips [MB15]. TLS
[XJY17]. Together [Dre17c, Pec15].
Tokenization [Liu16]. Tokens
[DMH18g, Muf16, lot18]. tolerant [BSV17].
Tolerate [GSi15b]. Tolls [MB15]. too
[G.17]. Took [Zet13]. tool [Kha15]. Toolkit
[KMMW17]. tools
[MBB13b, MBB13a, Raj18]. Top [Mei18].
Topology [NAH16]. Tor [BP15]. torrent
[Bak09]. Town [ZCC+16]. Traceability
[KFTS17, LX17, Che18, XLL+19]. Tracking
[Bra13, NSNF17, RRMR18, VM15]. Trade
[SIDV14]. Trade-offs [SIDV14]. Trading
[Bik16, MCHM17, MHM17, MBC+17b,
NCS17, Via16, ALP15, Bla18, GSi15a,
JAK19, LT17, MLM15, Uri17, WZQ+17].
Traffic [KKM14, WRB15]. Traffickers
[PHD+17]. Traitor [KT15]. Transaction
[AK14, AC17, BMTZ17, BLS17, DW14,
Dre17d, Dre17t, GCD16, HL16, Hou14b,
KK17a, MB15, OKH13, PP16, RAH+15,
RJK+17, RS13, RMS17, SZ15, TSCT18,
Van14b, WLS+16, XLM+17, YK15,
BDP+15, Cha85, HP17, LLZ+17, SZ13,
VG17, WQIX17, Woo4].
Transaction-Confirmation [KK17a].
Transactional [DHES16]. Transactions
[ADM15, ABL18, CZJ+17, CXS+17,
CP17b, Drel7a, Dre17z, FNP17, FMR+16,
GRKČ15, HBG16, HJPS16, Int14, LK17,
Mic16, MBB14, Muf16, NST+17, NMT16,
PS16, RMS17, SCA13, TOM17, ZG15,
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