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Title word cross-reference

$105 [Rog10]. $39.99 [Saf10].

* [NS10b].

0-470-24211-6 [Tri10a]. 0-672-32877-1 [Saf10].

10th [RGBR14, MRJD17]. 12 [KS10]. 1999
[Ber10a]. 1st [LNG+13, BCDE18a, BCDE18b, FS11, GGR10, GKMM18, GKS17, HMS16, KKPJ10, KMTD17, RFD+18b, RFD+18a, TLG+16].

2 [Sch16a]. 2009 [MMM10]. 2010
[CCM+10, HRZN10, LAK10]. 2011
2012 [GR12, HDDS12, LKM+13, LIL13].
2013 [Kat13, LNG+13]. 2014 [REN+14].
2015 [EPBR16, Fra16]. 2016 [KOPR16].
2017
[FM18c, FM18a, FM18d, FM18b, GKS17].
21st [WC10]. 2nd
[GR12, Gve13b, TSvD+11, GK12, GKL18a, GKL18b, HDDS12, KKPJ12, LSM+10, LMS11, OKNB11].

3 [Sch18, M.13]. 300 [BM10c]. 368pp.
[Tri10a]. 3rd
[Gve13c, Teo11, Tri10b, HKPS12].

404 [Sch16b]. 4th
[LRS11, BBU+17, DJB17, GPW17, KNOF13, LLM+12, LLM+13].
RVR12, RVB12, SNS10a, SNS10b, SBS11, SV13, UDA10, YAS11, YOI11, dCBS13.

Approaches
[KMTD17, GD10, JG12, PASS13, GR12], apps [MMP+12, Ngo12]. Arbon [Tan12].

Architecting [GTK17, TCB+12], Architectural [Pan10, KJ10, MBC10].

Architecture [AFF+16, HMB18, AJP13, Ban10b, Ber11a, Del13, GAWM11, GMCH+13, GSB11, KS13b, LAK10, LGMM10, MRN13, Miy11, SKJ+13, SNS10c, Wer10, Bes13b, Del12c].

Architectures [RFD+18b, RFD+18a], area [RPB12], areas [HBM13]. arising [CS12b].

Art [Tri10b, Vu11]. Artefacts [Sin19].

Artifact [Kri13]. Artificial [HdCH+12, Sch19]. ASDM [Jan12].


Aspect-Oriented [SPKM16, CCI13, NKS10, SBK13, Tck12b].

Aspects [BWSF18a, BWSF18b, DST+10, MRJD17, PDS+13, Tra11b]. Assembly [SP13]. assertion [BRD+12].

assertion-based [BRD+12]. assess [JDV12]. Assessing [Mun19, PSJ18].

Assessment [BK16, DR10, DR11a, KS12b, NKS10, kP16, eAMO10, HBM13, HPO+13, Nie12].

assignment [RSV13]. assurance [Yaz10].

ASTD [MGLF12]. Athanasios [Kie12].


Attention [HNT16]. attributes [CPG+12, GD10]. automata
[BSS13b, MB12]. automated [CJI10, RA13].

Automatic [RMFO13, SS10a, ZLNP18, dSAVP10].

Automation [BCDE18a, BCDE18b, CBK10, Bas10]. Autonomous [GKS17, GKL18a, GKL18b, RFD+18b, RFD+18a]. Availability [CK11a]. avoid [Ber12a]. Avoidance [SGS12a]. AVR [HB10]. Aware [DRO+17, HB10, RFD+18b, RFD+18a]. awareness [BP10].

B [GB10, Rus11, dSAVP10]. bad [SK11].

Balanced [WZ12]. balancing [KAZS14].

Balasubramanian [Ebe13]. Bang [Sch16b].

Bar [WCG+18]. Barcodes [Bel11].

Barnum [Del11a]. Barry [Teo13e]. Based [KS12a, KS13a, KAZS14, LIL13, LAX17, Mun19, NGD14a, NGD14b, SPKM16, Ban11, BRD+12, BMRR12, BD11, BSS13b, BMBR10, BDJ10, BK11, BZC+18, CV13, Cat13, CSKB12, DBK+13, Eis12b, Fra11, GT10, HWA12, HB10, JM13, JRX12, JVD12, KS11b, KB12, KSR12, KKK, KB11b, Lon10a, Lon10b, MKP12, MB11, MM10a, NS10a, PGP13, PM10, PCR12, RMFO13, RRSV13, RB10, RK16, SNS10a, SNS10b, SBS11, SAM13b, SAS11, SK12a, SK13, SV13, Swa12a, Tee10b, TG11, TS11, VM13, VS11b, WJ12, YAS11, dCBS13, Men13, SS10b, YA12, Sau10, Del11c].


Bayesian [JRX12, JVD12]. Be [Ost16a, Ost17, Ost18a]. become [Tra10c].

BeginToReason [FS18]. Behavior [Sun18].

Behavioral [CSKB13, BS12, SK13].

behaviour [SK12c]. Bellagio [Teo12d].

Ben [Teo12a]. benchmark [Gre12b].

Benchmarking [CKS18, Loc12].

benchmarking-inspired [Loc12]. Benefits [HNT16, Swa12a]. Benjamin [Ebe13].


Beyond [Jin18]. Bibliometric [KBRS17a].

bidirectional [Jai11]. Big [Arr18, Tra10c].


Bio-inspired [RT13]. bipartite [GDF13].

BIRT [Teo11]. BIXSAN [VS11a]. Black [Del12a]. blocks [CCM12].

BMCLua
[MJCdLF17]. **Body** [LAK10]. Bombosch
[Bes13b]. Bondurand [Teo11]. Book
[Act11, Aus11, Bel11, BM10a, BM10c, BM10b, Ber10a, Ber11d, Ber13, Bes13a, Bes13b, Cha13b, Cha13a, Coo12, Del11b, Del11a, Del11c, Del12a, Del12d, Del12c, Del12b, Del13, Epp11, Fro12a, Fro12b, Fro13a, Fro13b, Gla12, Gla11, Gou12, Gve13a, Gve13b, Hag11, Hat12, Jah13, Kie13a, Kie13b, M.13, Men12, Mit11, Mor13, Ngo11, Ngo12, Pai13a, Rog10, Rus11, Saf10, Sam13a, Sau10, Sau13a, Sch12a, Sch13a, Sch13b, St.12, Swa12a, Swa12b, Tan12, Teo11, Teo12a, Teo12b, Teo12c, Teo12d, Teo13a, Teo13b, Teo13c, Teo13d, Teo13e, Teo13f, Teo13g, Tra10b, Tra10a, Tra11a, Tra10a, Tri10b, Vui11, Wer10, Whi11, Cho10, Cha13b].


Business-efficient [Sch13c]. **buy** [Kim13]. buy-in [Kim13]. buyers [SGM12].

C [Fro13a, Gla11, SM12a, Teo12c, JWB +18, KB11a]. C# [SSK13]. C/C [SM12a].

caching [WZ12]. Cambridge [BM10c, Rog10, Tri10b]. CAME [SP13].

candidates [CBdRS10]. capability [Act11].

care [SNR17]. Cares [SNR17]. Carlo [MP17]. Carlyle [Ebe13]. Carol [Del11a].

Carollo [Tan12]. **CASA** [RFD +18b, RDF +18a]. Case [HJ16, Jie16, GKK11, JK11, MT13, PM10, RB10, SK13, SKS10, SS11, Yaz10].

**CASE-tools** [Yaz10]. cases [BBF13, CBdRS10, CJ10, GDF13, GC12, MM10a].


**Challenges** [BWS +17, DK16, SWMV17, Wei18, BMRB10, DM13, GAWM11, LKM +13].

Change [KBRS17b, PC14, Eis12a, MPR12]. Change-History [PC14].


Christianens [Fro12a]. Christina [Kie12].

churn [MW12]. Cities [VA17]. Class [NP16, CSKB12, SM12b, Tee10a, YA12].

Classes [PC14, CS12a, GS10, SK11, SK12d].

Clayberg [Teo12b]. ClearQuest [Teo12d]. client [BS12, BSS13c]. clients [SKJ +13].


Cloud-Based [LIL13, PCR12]. clustered [NUK13].

clustering [MKK +12a, MKK +13a].

Clymer [Sau10]. Co [KOPR16, MRJD17].


Cohesion [RC17, Tee10a, TJ12].

Collaboration [RGBR14, MG12].

Collaborative [GKMM18, Roy19, CV13, Fra11, Bes13b].
collections [Lon10a, Lon10b]. Collier
[Ban12b]. Collingbourne [Del12d]. colony
[BDJ10, SKS10]. colored [ACK12]. Colt
[BKP16]. combatting [RSSV13].
Combinatorial [SA14, SNR17]. COMETS
[CMGV13]. commands [Ban11, Cha13a].
commercialized [Swa12a]. COMMitMDE
[GKMM18]. common [Jan12].
communication [Sa10, Sch13a].
Community [Xie16a]. COMP [CKS18].
Comparative
[HDKB13, KB11a, JDV12, MM13b, RT13].
Comparison [BKP16, DD11, VB13].
compatibility [CCM12]. Competition
[CKS18]. competitive [Act11, JD13].
compiled [TMVB13]. compiler [Hat12].
Complex [KAZS14, Sau10, SA16].
Complexity [GWG+17, CSKB11, GS10,
KCS11, KB11b, SK10a, SK12a]. compliant
[Lan11]. Component
[KS12a, KS13a, NGD14a, NGD14b, BDJ10,
CSKB12, GT10, KS11b, KB11b, MB13,
PGB13, RT10, TS11, UDA10, SP13].
Component-Based [KS12a, KS13a,
NGD14a, NGD14b, GT10, KS11b, KB11b].
components [Ber10a, Gve13c, KS10,
MNB13, SNS10a, SNS10b]. composite
[KB11b]. composition [Rip10].
comprehensive [JG12]. computation
[Swa12a]. Computational
[BDM12, Sch13a]. Computer
[BM10a, BMRB10, Lev13, kp16, Ber12b,
SAM13b, Tra10b]. Computers [Gve13c].
Computing [GL18, MPR12, SM17, Fro13a,
Fro13b, Gve13c, KS12b, SNS10a, SNS10b,
Teo13e, Tri10b]. Concept
[Kra18, TJ12, Yaz10]. conceptual
[DBK+13, Tai13]. Concern [Noo18].
Concern-Driven [Noo18]. Concerns
[KD11, MB11]. Concurrency
[KL18, SK12b]. Concurrent
[Wei18, ACK12]. conditional [Teo12c].
Conducting [DJB17, Geo10]. Conference
[KOPR16, KOH+18a, KOH+18b, MRJD17,
SS16, TDWV17, GJ13]. Conferences
[SAS16, Kat13, Kri13, MMM10].
Conference [LMS11]. Confidence
[XZM13]. Configuration [SA16, GD12].
Configurations [PS18]. Configuring
[JZGH13]. Connected [GKS17, Teo13e].
considered [Sch13d]. considering [SKT10].
Consistency [DRO+17, TLG+16, CCM12,
CS12a, dSAVP10]. Consistency-Aware
[DRO+17]. Consistent [DRO+17, BM12].
consolidation [Fro13b]. constant [HK12].
constrained [MB12]. constraints [Ebe13].
Construction [BZC+18]. consumption
[JS18a]. content [JS18a]. contest
[MFF+10]. Context
[Arr18, RFD+18b, RFD+18a, VA17].
Context-aware [RFD+18b, RFD+18a].
Continuous [Yam18, Teo12a]. Contract
[Kra18]. Contributors [Lee18]. Control
[GKS17, GKL18a, GKL18b, KS12a, KS13a,
HDKB13, KS11b, SRS12, SRS13, Wh11].
Controlled [Tei18]. controller [HB10].
Controlling [SA16]., Cooper [Hat12].
Cooperative [DST+10, PDS+13].
Coordinates [BM10b]. Core [Gve13a].
Cornell [Gve13a]. corpus [TMVB13].
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[KS10]. Counting [Bul18]. coupling
[Gup11, SBB12]. Course [Kra18, Cat13].
Courses [EH19a, EH19b, HPO+13].
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[CN11]. CPSWeek [GKS17]. crafting
[Bes13a]. Craig [Saf10]. crawler [RFS10].
CRAYSE [RFS10]. CreateRE [HDDS12].
creating [Kie13b]. creative [Saf13b].
Creativity [HDDS12]. crisper [KNOF13].
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[APNT16, DK16, MNB13, kp16, BKMJ12,
HMS16, MB13, RT13, SBB13, TS11].
Criticality [MBN13]. Cross
[Ber12a, KBR17b, Ber11a]. Cross-Project
[KBR17b]. Crosscutting [KD11]. Crowd
[HHJ16, Wan18]. Crowd-Centric [HJ16].
crowdsourced [JY12]. Crowley [Teo13e].
cryptography [Lan11]. CSP [YKF+12].
CUDATM [SM12a]. Culture
[FM18c, FM18a, Sch11b]. Current
[Wel18, GAWM11, Tra13]. curriculum
[MM11a, MM11b, MM13a]. curse [Gre12a].
cursor [Jai11]. Customer [HKPS12].
customization [G912, Teo12d]. CVS
[BR10]. Cyber [BZC+18, BWS+17,
BWSF18a, BWSF18b, Tur19].
Cyber-Physical
[BZC+18, BWS+17, BWSF18a, BWSF18b].
Cybersecurity [vdLR18a, vdLR18b].
Cycle [Sha16, K13]. cycles [And13]. cyclic
[Ban10b].

D [Fro12a, Hat12, Mit11, Swa12b, Teo12b].
Daigneau [Del12b]. Dani [Teo13b]. Daniel
[Del11b]. Data
[Arr18, Lec18, RSV13, SA14, VA17, Wei18,
ZLNP18, BB11a, BSS13b, BSI3, HB10,
Jah12, JG12, JZY12, Kie12, KGS11, MKP12,
MKK12b, MKK13b, RRK13, SK12c, TG11,
VM13, Jah13, Jah13, Ngo11]. database
[Gre12a]. dataset [CMGV13]. David
[Del12a, Kie13a, Teo12d, Teo13i]. days
[BR10]. deadlocks [Gre12a]. Debt
[AENK16, FCT+17, IOSIS18, Eis12a, Eis12b,
KNOV12, KNOF13, OKNB11, KNOV12,
KNOF13, OKNB11]. debugging [SKT10].
Decision [Asi18, RK16, BA13, KK11].
decision-making [BA13]. dedicated
[GPC12]. defect [NS10a]. Defects
[KD11, SBB12]. definition [KNOF13].
degradations [Lev13]. denial [RRSV13].
Dennis [Del11b]. dependability [GD10].
Dependence [RT10]. dependency
[GS12, SKT10, SBB12]. DEPLOY [Rom12].
Deployment [Rom12]. derived [JS18a].
Description [HMB18, Pan10].
descriptions [CBdRS10]. Design
[Asi18, Dro16, GWG+17, Kra18, NAS10,
Ber11a, Ber12d, Ber11d, CN11, Del12b,
Gla11, Gve13c, KK12a, Lon10a, Lon10b,
O’S11, RFS10, RRN13, Sch12b, Sch13a,
SS10a, SS10b, Tra10b, Wer10, YO11, Sau13a].
Design-by-Contract [Kra18]. Designers
[Teo13b]. Designing [NOFK18b, NOFK18a,
O’S11, SAS11, Del11b, Teo13e]. designs
[BRD+12]. desktop [SKJ+13].
Despite [HNT16]. detect [Lan11].
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Determination [KS11a]. determine
[BKMJ12, Loc12]. Develop [REN+14].
developer [Teo13j]. Developers
[EH19a, EH19b]. Developing
[CSG13, GK12, UDA10]. Development
[APNT16, BS17, BM18, BR16, DK16,
FCT+17, HIMS16, HPS12, JS18b, Jin18,
KMTD17, MT13, Mun19, NGD14a, Roy19,
Sha16, Wel18, Ber12e, DD11, Del11e, DM13,
Fra11, Geo10, GT10, Jan12, KNOV12,
KK13, MG12, Mac10, MSK+10, MM11a,
MM13a, MO11, Mor13, OKNB11, PGP13,
Rup10, SM12a, Sch13c, SK12a, SV13,
Swa2a, Tek12b, WC10, dCBS13, KMTD17,
Ber10a, Sch12a]. Developmental
[MRJD17]. developments [GJ13]. devices
DG-metrics [SS10b]. DGML [SS10b].
DGML-based [SS10b]. Diagram
[Asi18, BMMR12, GC12]. diagrams
[DK13, SK12b, YA12]. diary [Tra12]. DIAS
[MRJD17]. different [VB13].
differentiation [BSS12, BSS13c]. digital
[Kie13b]. diagram [UDA10]. Dimensions
[GTK17]. Dinesh [Sau11]. dining [BL10].
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Discovering [RVR12]. dispatch [HK12].
Distributed
[KAZS14, MMM10, MMM16, SPKM16,
ZS14, Ban11, BM10c, DBK+13, MMM11,
MMM13, SAM13b, WZ12, ZS13, Fre13a].
distribution [SRS12, SRS13]. diversity
[CA10]. Do [Sch19, CA10, Sch16a]. Doan
[Jah12]. document [SK10a].
documentation [JY12]. doesn’t [Win10a].
Dojo [HW13]. Domain [ANCM12].
Domain-driven [ANCM12]. Dongarra

e-governance [RB10]. e-market [SGM12]. e-nursing [NS10b]. each [BR16]. Edeline [Ban13]. Early [Adr19, BR10, SK10a, MVGM10]. Easy [SA17, Ber12a]. easy-to-use [Ber12a]. Eclipse [Teo12b]. economic [Swa12a]. Ecosystem [KS11c]. ecosystems [Yu11]. ECSA [RFD+18b, RFD+18a]. Edd [M.13]. Edie [Sau13a]. editing [Teo12b]. Edition [Sau10, Tri10b, Cha13b, Cha13a, Del12c, Fro12a, Gve13a, Gve13b, Gve13c, Hat12, Ngo11, Teo11, Teo13a, Teo13g, Teo13h, Teo13j, Mit11]. editors [Cha13a].

Education [AH10b, AH11b, AH11c, AH12b, SSJM12, Ard10, AH10a, AH11a, AH12a, AH12c, AH12e, AH12d, AH13a, AH13b, AH13c, AH13d, SFTS18]. Effect [JK11, SS13, vdLR18a, vdLR18b, PM12]. effective [MBN13, RVB12, Kie13a].

Effectiveness [SK11, SK12d, HPO+13, NB10]. effects [KS13b]. Efficiency [FS11, MKP12, MBC10, RRN13, Sch11b, Teo10b]. efficient [HK12, RFS10, Sch13c, Swa12b]. Effort [BM18, DD11, MSK+10, MKS10, NUK13, SK12a, SV13, TG13]. Efforts [SW18].

Egypt [ED12]. Eibe [Ngo11]. Eighth [IOS18]. elements [Epp11]. Eleven [SAS16]. Elizabeth [Gve13b]. Embedded [Jie16, Aus11, Gve13c, Teo13e, Whi11]. Emerging [CCM+10, SFTS18, BD12]. EMF [BGKS12]. Emotion [Sau13a]. Empirical [CN11, DC13, DJB17, JM13, KKPJ10, KKPJ12, MG12, PRC12, CMGV13, GB11, JK12, LRS11, PASS13, Tai13]. employing [AMO10, VB13]. Enabled [LAN+13]. enabling [Jai11]. encapsulation [SK11]. encoding [SM12a]. End [Sch16b]. Energy [HB10]. enforcer [BRS13]. enforcing [BRS13]. engine [Ngo12, Ngo12]. engineer [VCP12]. Engineering [AH10b, AH11b, AH11c, AH12b, Arr18, BCS12a, BCS12b, BCS13, BU+17, BWS17, BWS18a, BWS18b, Car18, CD17, Doe10a, Doe10b, Doe10c, Doe10d, Doe10e, Doe11a, Doe11b, Doe11c, Doe11d, Doe12a, Doe12b, Doe12c, Doe12d, Doe12e, Doe12f, Doe13a, Doe13b, Doe13c, Doe13d, Doe13e, Doe13f, Doe14, Doe16a, Doe16b, Doe16c, Doe16d, Doe18, DBK+13, EPBR16, Fra16, FS11, GGR10, GPW17, GR12, HCH+12, HDDS12, JRG+13, KKPJ10, Kra18, KKPJ12, KBRS17a, LLM+12, LMS+10, LNG+13, LMS11, MWR19a, MWR19b, Mei17, MRJD17, RJJ13, REN+14, Saud10, Sch16a, Sch18, SAS16, SS16, SSJM12, SFTS18, Tei18, Tek12a, TDW17, UYG+19, Ar10, AH10a, AH11a, AH12a, AH12c, AH12e, AH12d, AH13a, AH13b, AH13c, AH13d, Ber10b, BÁ10a, BÁ10b].

engineering [BA10c, BÁ10d, Ber11b, Ber11a, BÁ11, Ber11c, Ber12c, Ber12d, BMRB10, CA10, CV13, Cat13, Dah10, DST+10, ED12, GMCH+13, GKK11, GT10, GD12, HPO+13, JD13, KGS11, LKM+13, LRS11, MFP+10, MM11b, PDS+13, SK10a, Sol12, TCB+12, Tra11b, Tra13, YO11, Zag13, TDW17, TSEvD10, TSV+11, Rus11, Hat12].

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Environment [BWS18a, BWS18b, Roy19, ACS13, ZS13, Teo13a].

Environments [MM10, MMM16, Wel18, Fra11, MMM11, MMM13]. Envisioning
G [Cha13a, Dek10, Men12]. game [RMFO13]. Games [BCKS12a, BCKS12b, BCKS13, Teo12c]. gap [BB11a]. Gary [Gve13a, Mor13]. GAS [BCKS12a, BCKS12b, BCKS13]. GEF [Teo12b]. General [EPBR16, JRG+13, RJJ13, REN+14].
generation [AHS12, BSS13b, BS13, CJ10, Gre12b, JZY12, Mac10, MKP12, Pha18, RMFO13, Rim12, SK13, SD11, SS10a, VM13].
Generic [KK19, SA16, GB11, KK12b, SD11]. genetic [BS13, GC12, MKP12, MM10a, MNB13, MT13, RNR13, SAM13b]. Geoffry [Fro13a]. Geometric [Rog10]. Geometry [BM10b].
Global [JS18b, MG12, TCB+12]. good [Gre12a, dCBS13]. Goodman [Gve13b].
Gracious [Ost18a]. graduate [MM11b]. gram [KPA10]. grammar [AHS12].
Granner [Ch13b]. Graph [SPKM16, Sin19, BGKS12, DBK+13, GDF13, MKB11].
Graph-Based [SPKM16, DBK+13]. graphical [CSKB11, LLS12, Teo12b].
graphs [Tec11, YA12]. great [Tra10c]. green [LKM+13]. GREENS [LKM+13].
Gregg [Coo12]. Grounded [Kie13b]. growing [Sha16]. growth [SKT10, Yu11].
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guided [Tra12]. guidelines [St.12].

H [Del11c, Ngo11, Tri10b]. Hadoop [Ban13]. Halevy [Jah12]. Han [Whi11].
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Heterogeneous [SA17, JS12].
Heuristics [SKE+18]. hidden [Tra11a].
Hierarchical [BK16, YKF+12]. High [ZXM13, BSS13a, Bas10, CN11, GB13b, Ngo12, ZS13]. high-level [BSS13a, Bas10].
holc [KSR12]. Holmqvist [Kie13b]. Holtsnider [Mit11].
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Hudson [Teo13g, Teo13g]. Hugues [Aus11].
Huw [Del12d]. Hwang [Fro13a]. Hybrid [KMTD17, GKK11, MM10a, MNB13, PdMG12].

ICSE’2012 [GR12]. ICSSP [KOPR16, KOH+18a, KOH+18b]. ICT [Rom12]. idea [NS10b].
Identification [CBdRS10, ANCM12, MBN13]. identify [SK11, SK12d]. Identifying [SA14, Tec11, MKK12b, MKK13b].
Idle [And13]. IEEE [BM10a, BCDE18a, BCDE18b, Fra16, LIL13].
If [Sch16a]. illustrative [RVB12].
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KEITH [Hat12], KEN [Ban12b], KENG [Bel11]. KEVIN [OR12]. KEIJI [Hat12], KIJI [Bel11].
KID [BB11b], KD-TREE [BB11b]. KID [Fin15], LKID [Gou12], LKID [Kop16].
Keywords [SS10a]. KHALGUI [Whi11]. KIRK [Del13]. KLEIN [OR12]. KLIEM [Gla12].
KNOERNSCHILD [Del13]. KNOWLEDGE [CAR18, AJP13, LAK10, dCBS13]. KNOWLEDGE-BASED [dCBS13]. KUNIAVSKY [Gve13b].
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