A Complete Bibliography of Publications in the *Journal of Systems and Software* (2020–2029)

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**Title word cross-reference**

k [LMVRA+20].  
-nearest [LMVRA+20].  
161 [NBGC20a].  

2018 [EHB21]. **2020** [Ano20a, Ano20b, Ano20c, Ano20p, Ano20q, Ano20s, Ano20r, Ano20t, Ano20u, Ano20v, Ano20w, Ano20x].  
2021 [Ano21a, Ano21b, Ano21l, Ano21m, Ano21o, Ano21n, Ano21p, Ano21q, Ano21r].  
25012 [GRV+21].


balance [WKP20]. balancing [PDDD20]. bandits [SG20]. barriers [LSFE21].

BASBA [SSS21]. Based [BJB+21, SSS21, ALZ+20, AWMW20, AFJ+20, AHP21, BKG20, BRSR21, BFHC20, BSH+20, CCS20, CAC20, CA20, CIZ+20, CZW20, CZQ+20, CATA21, CPD20, DD20, DL21, DSO20, DBB20, FR20, FC20, GTT+20, GS21, GM20, He20, HXJ+20, ILUN21, IIK21, KKL+21, LBF+21, LWL20, LC20, LXLZ20, MAP+20, MSC20, MRR+20, NMG+20, NNG21, PDDD20, POZ20, RFB20, SLL20, TTT20, VSTK21, WC20, WGY+20, XCH+20, XBS21, XLY+21, YLHZ20, YAAa+21, ZJXG20, ZGW+20b].

BDD [IBP21]. be [MCZX20]. Behavior [ALSA21, PSZ21, IBP21].
Between [THN20, BFHC20, CJNDZ21, IZAD21, MLPC20, PFW21]. bi [ZPL21],
bi-objective [ZPL21]. big
[CVC21, ISKB20, AX21]. big.LITTLE [MCMA21]. binary [ZXW20]. Biometric
[VBMB20]. Black [LXLZ20, GBSO20].
Black-box [LXLZ20]. Blended [AC21].
blockchain [VDVC21]. Board [Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i,
Ano20j, Ano20k, Ano20m, Ano20n, Ano20o, Ano20k, Ano21c, Ano21d, Ano21e,
Ano21f, Ano21g, Ano21h, Ano21i, Ano21j].
both [GFS21]. bots [GDLM21, VCT20].
bounds [ACG+21]. box
[GBSO20, LXLZ20]. BPMN
[CMP+20, DPRD21]. Brain [WFR21].
Brazil [LSFE21]. Bug
[TXW+20, EBAR21, FFG+20, KCMD21,
LSSZ21, NLS+20, PPB20, TSLHS21,
WLC+20, WZC+20, ZLS20]. bug-specific
[ZLS20]. bugs [JZW+21, ZRGJ21].
Building [VKLM21, AZ21, RAGCSS+20,
TAF+20, WZZ21, SSS21]. buildings
[HCB+20]. builds [BEAK21]. business
[RK20, TAF+20]. business-aware
[TAF+20].
call [AGL21]. calls [CBMM20]. Can
[MCZX20, GAL20]. Capturing
[DBB20, FJvdW20]. cascading [HCB+20].
case [AIIH20, BFZC21, BDMP21, BGL+20,
CQZ+20, GGP21, HZT+20, KCMD21,
LWWY20, MAP+20, MLPC20, PN21, SH20,
SMB+20, TST+21, dTMS21]. cases
[MAP+20, NNG21, SKP20]. catalog
[DDPT20]. categorization [NRS20].
cause [BSH+20, NLS+20]. causes
[JZW+21, TSP20]. cell [HXJ+20]. centers
[MH20]. centric [RAGCSS+20]. certificate
[WXL+20]. certification
[GGP21, GRV+21, dIVRB21]. challenge
[GAB20]. Challenges
[GSXB20, BGC20, CDET21, KKH+21,
LPPG20, dPPdJFF21, SWH+20, VDVC21].
Change
[KAA+21, MBP20, JWZM20, LWZ21].
changes [LST20]. characterization
[OSJB21, BJB+21]. characterize [ALB20].
Characterizing [Hor21]. charts [CWTL21].
chat [SHB21]. checking
[CMP+20, DS020, GAL20]. class
[LWY20]. class-level [LWY20].
classification [AMO21, CKM+20, GDLM21,
HELW20, KBPMJ20, NDP+20, NLS+20,
YSB+21, ALB20]. classifying [LC20].
Clique [FC20]. clone [MRS20, MRR+20].
clones [vBD21]. Cloud [RFB20, TTL20,
BBF+21, CnJLL0, EM20, GGB20,
GTT+20, ISKB20, WZZ21, ZPL21, MH20].
Cloud-integrated [RFB20]. clouds
[HTB21]. cluster [HXJ+21]. clustering
[FR20, XLY+21]. clustering-based
[XLY+21]. co [IZAD21]. co-occurrence
[IZAD21]. Code
[EHB21, LPPG20, SELS21, VBMB20,
ASKS20, ACC+20, CJZ+20, DN21, HMR21,
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HZT+20, KBPMJ20, LNST21, MAP+20,
MFBP20, MLBD21, MRR+20, NAD+20,
DDPT20, PDD20, PCC+20, ZZP21,
vBD21, FAG+20, SWG+20]. cognitions
[LWC20]. cognitive [KL20]. Cohen
[PDGMT20]. coincidental [SKP20].
collaborations [CMP+20, WSL+20].
collaborative [LXYL20]. colony [BH20].
combination [LXYL20]. combinations
[HZT+20]. combinatorial [JT20].
commenting [HHJ+20]. comments
[GDLM21, RMOGA20]. commit
[DCMR20, HELW20, PMDN20].
CommtPst [HHJ+20]. communication
[GS20]. community [FVDF21, PT21].
community-wide [FVDF21]. companies
[VHB21, ZH21]. company [APB20].
comparative [XLY+21, ZGW+20b, vBD21].
comparison [KRLS+20]. competing

Data
[RMOGA20]. descriptive [WC20]. Design
[SBC20, BRSR21, FJvdW20, GGB20, IR21, NNG21, PFwF21, CDRV20]. design-pattern
[BRSR21]. detect [WC20], detected
[MCZX20]. detecting [GDLM21].
Detection [SV20, ASKS20, AZ21, BKcG20, BRSR21, HXJ20, MCZX20, MSB21, PDD20, SELS21, ZGW+20]. detector
[NRRS20]. determinant [Bat20]. develop
[AASW20]. developer
[BGMB20, HATG21, WLC20]. developers
[BSDB20, CAC20, ENAB21, NDDD20, PCC+20]. Development
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DevOps [CVC21, WLS20]. diagnostics
[DSM20]. diagrams [WZX20]. differential
[LXZ20]. Digging [IR21]. direct [SELS21].
direct-learning [SELS21]. discrete
[LHN20]. Discussed [THN20, SHB21].
distance [LMVR+A20]. distributed
[AZR+21, ACD+21, BSDB20, MPRX20, RAGCS+20]. distribution [HK20].
diversification [SMB+20]. Diversified
[CZW20]. diversity
[HSTM20, MLBD21, WK20]. Do
[BCLN21, BEAK21]. Does
[LLST20, LLST21]. Domain
[AFJ+20, CVC21, KL20]. Domain-based
[AFJ+20]. Don’t [ACG+21]. drift [WZX21].
drift-aware [WZX21]. Driven [ALSA21, FBMR20, IBP21, AI2H20, BCF+21, EBAR21, FJvdW20, GB20, NBGC20a, NBGC20b]. driving [ALZ+20]. DSL [MN21a].
Dynamic [MCMA21, ACC+20, dACO21, ISKB20, WXL+20, ZXW20, APAF21].

**EA4Cloud** [CNdLL20]. Early
[LTJ+20, LL21]. Eclipse [KCMD21].
economic [MH20]. ecosystem

**Edge**
[MSC20, BBF+21]. edge-cloud [BBF+21].
**Edge-Fog** [SC20]. editor [FBMR20].
Editorial [ANO20d, ANO20e, ANO20f, ANO20g, ANO20h, ANO20i, ANO20j, ANO20k, ANO20l, ANO20m, ANO20n, ANO20o, ANO21k, ANO21c, ANO21d, ANO21e, ANO21f, ANO21g, ANO21j, ANO21l, ANO21n]. edits [JWZ21].
education [CJND21, GLA20]. effect
[CAC20, LWC20, LST20]. Effective
[PLP+20, HXJ+20, MSM21, OS20, XBS21].
effectiveness [LWZ21]. Effects [DFB20, JH20, Tai20, TSP20, VHB21, WLC+20].
efficiency [TTL20]. Efficient
[MSMB21, FR20, HLL21, ISK20].
efficiently [EBAR21]. effort
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Electricity [AZR+21]. embedded [CS20].
embeddings [HPZ+20]. emergence
[PT21]. empirical
[BCLN21, BBND+20, BAV20, CATA21, GS21, IZAD21, LSST21, ANO21j, OSJ21, PDDB20, THG20, TKSC20, ZRGJ21].
enabled [DAP20, HT21]. Enabling
[KKL+21]. end [GM20]. Energy
[GS20, CNdLL20, PCC+20]. energy-aware
[CNdLL20]. Energy-Delay [GS20].
engineer [CKP20]. Engineering
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environment-enhancement [PDGMT20].
environments
[GT+20, YAO+21, ZPL21]. Era [AX21].
error [Liu21]. errors [CKP20]. ERTMS
[NMG+20]. ERTMS/ETCS [NMG+20].

handling [KCMD21]. Hansie [MN21b]. hardware [BBND+20, SCN+21].

identification


language
[LSFE21, SWG+20]. MrsP [ZGW+20a].
MSL [AMRS20]. MT [CndLL20].
MT-EA4Cloud [CndLL20]. multi
[GGP21, JWZM20, LTJ+20, MPRX20,
OS20]. multi-case [GGP21].
multi-concerns [LTJ+20]. multi-criteria
[OS20], multi-entity [JWZM20]. multi-tier
[MPRX20]. Multilayered [DL21].
Multilevel [DD20, AGL21]. multiple
[CAC20, HTB21, XBS21, dTMS21].
multiple-case [dTMS21]. multiple-fault
[XBS21]. multivocal [SL20]. Mutation
[LWL20, KDB+21, ZZP21].
multi-entity-based [LWL20].
named [ZLS20]. names [WC20]. native
[NBGC20a, NBGC20b]. nearest
[LMVRA+20]. negative [PPB20].
neighborhood [LMVRA+20]. nervous
[WFR21]. nested [ZGW+20a]. Network
[MSC20, HATG21, MCSAGB20, ZLS20].
networking [GAL20]. networks
[FR20, NDP+21]. Neural
[HPZ+20, NDP+21, ZLS20]. NFV [HTB21].
NLI [SWZ+20]. non [BFHC20, WC20].
non-descriptive [WC20]. non-functional
[BFHC20]. NoSQL [ALB20, BM20]. novel
[CDRV20, FGG+20]. November [Ano20v].
novice [CKP20].

obfuscation [FC20]. objective [ZPL21].
objectives [BFHC20]. objects [GM20].
observability [ZZP21]. observable
[AKBN20]. Observation [LBF+21].
Observation-based [LBF+21].
observations [Hei20, LPPG20]. occurrence
[IZAD21]. October [Ano20w]. OMG
[CPD20]. onboard [SM20a]. onboarding
[BSDB20, SS20]. ONE [MSC20]. Online
[EM20, ZPL21]. ontology [KL20, LC20].
onology-based [LC20]. opaque [FC20].
Open [SVAGB20, BGL+20, NRRS20,
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open-source [THG20, TKSC20]. operation
[LM21]. Operational [AFJ+20].
Opportunistic [MSC20]. opportunities
[BGC20, GCSHB20]. Optimal [NJJF20].
optimising [CndLL20]. optimization
[BH20, EM20, ZRGJ21]. optimize
[BFHC20]. organizational [SS20].
optimizations [PN21]. oriented
[BSH+20, ZPL21]. Orthogonal [ALB20].
OSLC [NMG+20]. OSLC-based
[NMG+20]. output [LMVRA+20].
Overflow [ADG+20, CKP20, TXW+20].
overhead [ZGW+20a]. overhead-aware
[ZGW+20a]. overview [GAB20]. own
[SM20a].

PaaS [GGB20]. PaaSArch [GGB20].
package [MCSAGB20]. pairs [TXW+20].
parallel [RAGCSS+20, ZPL21].
parameterized [CWT21]. parametric
[ACG+21]. Partially [AKBN20].
partitioned [MCMA21]. party [NDD20].
path [ZJGX20]. paths [BH20]. pattern
[AZ21, AMRS20, BRSSR21, FJvddW20, WC20].
pattern-based [WC20]. pattern-driven
[FJvdW20]. patterns
[BKG20, NAD+20, PFW21, SV20].

PDFBox [BGL+20]. Performance
[RK20, MH20, PPB20, SL20, ZGW+20b].
periods [GS21]. permission
[SLL20, XCH+20]. permission-based
[SLL20]. perspective [GAB20, PPM+21].
perspectives [Pie20]. pervasive [GM20].
physical [ACD+21, BGM+21, BCW21,
DSM20, GB20, GAB20, LTJ+20, SCN+21,
SS20, dIVRB21, BJ3+21]. planning
[HTB21]. platform [BL21]. platforms
[YSB+21]. pleasingly [ZPL21]. points
[LL21]. policies [AKBN20, KCM21].
positions [HJJ+20]. Post [THN20].
Post-Release [THN20]. posts [CKP20].
potentials [SBP20]. PR [GDLM21].
practice [BDMP21, FAG+20, FBMR20].
practices
[AACC21, GCSHB20, KKH+21, WKP20].


Regression [HZT+20, CQZ+20, MAP+20, MN21b]. reinforcement [YHZ20]. related [MLBD21]. Relation [CQZ+20].

Relation-based [CQZ+20]. relations [LH20]. Relationship [THN20, GFS21].


Representing [KSF20]. request [LNST21].

Requirements [AGPR20, KK+21, MLPC20, DBR20, KL20, LC20, WKP20].

[ZGW+20a, ZPL21]. response
[MFBP20, RK20]. restoration [XBS21].
result [PPB20]. Results [ZH21].
retention [BCF+21]. retrieval
[MAP+20, SH20]. retrieve [GSO20].
reusability [Pat20]. Reusable [SSS+20].
Reuse [AX21, AAW20, DBB20, FAG+20, GFS21, SWZ+20, SBF20]. Reverse
[FBMR20]. Review
[PFMF21, SBC20, VBMB20, AWMW20, BAV20, DAP20, DN21, DL21, GB20, HJK+21, LPPG20, LBT+21, LLK+21, SL20, VDCV21, WFR21, YSB+21]. Reviewer
[VBMB20]. reviews
[MWFK20, PDGMT20]. reward [YLHZ20]. risk
[LZW20, TTL20, XCH+20]. risks
[BCLN21]. road [GBT+20]. roadmap
[POZ20]. robotics [MLS+21]. Robust
[RFB20]. role [LWC20, PDD20, SHA21].
rooms [SHB21]. root [BSH+20]. router
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[SMB+20, ACG+21, ZGW+20a]. Run-time
[SMB+20, ZGW+20a]. Runtime
[CWT21, ALZ+20, Hei20, MN21a].
safety [DL21, KRS+21]. sample [LXLZ20].
Satisfaction [KMAB20]. satisficenent
[BFHC20]. Scalability [AFJ+20]. Scale
[TPGH20, Bat20, BSB20, IBP21, KKH+21, LST20, MSMB21, PN21, WZC+20]. scaling
[BCLN21]. SCC [ADG+20]. scenarios
[SH20]. schedulability [ZGW+20a].
scheduling [EBAR21, HTB21, ISKB20, MCM21, ZPL21]. scheduling-driven
[EBAR21]. schema [OSJB21]. scientific
[AACC21]. Loop [MC20]. looping
[CATA21]. Semantics [SWH+20]. SDN
[HTB21]. SDN-NFV-enabled [HTB21].
search [BFHC20, CJCZ+20, CZW20, HPZ+20, WGY+20]. search-based
[BFHC20]. Secondary [FdSN+20]. secure
[AZ21]. Security
[BGM+21, ACC+20, AZ21, CDRV20, GGP21, GB20, GFS21, HCB+20, KL20, LC20, NIF20, TST+21, WZC+20, CDRV20]. Security-by-Design [CDRV20]. SEET
[AZKR20]. selection [dACO21, CKM+20, LWWY20, MAP+20, PDGMT20]. selective
[AAW20, AMRS20, BFHC20]. self-admitted [IZAD21]. Self-Affirmed
[AMO21]. semantic [DAP20]. semantics
[CJZ+20, NAD+20]. sensitive [HLL21].
September [Ano20x, Ano21r]. Sequence
[JH20, CWT21]. Service
[SL20, SSS21, SBC20, ASMA+21, BSH+20, CZW20, RK20, RFB20, SSS+20, WZZ21, WGY+20, YSB+21, ZPL21]. Service-Based
[SSS21, WGY+20]. service-oriented
[BSH+20]. services [EM20]. sessions
[EKJZ+20]. set [XCH+20]. seven [GGP21].
severity [TXW+20]. shared
[LWC20, SV20]. Signal [BBJ+21].
Signal-Based [BBJ+21]. significant
[LST20]. Similarity
[AWMW20, NRRS20, WGY+20].
Similarity-based [AWMW20]. simpler
[TAF+20]. Simulated [MSC20].
Simulation [SBC20, GTT+20, RK20].
simulator [MSC20]. single [MC20]. sites
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situation [TAF+20]. situation-aware
[TAF+20]. six-month
[BCF+21]. SLA [HTB21]. SLA-aware
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slicing [LBF+21]. small [APB20, LST20].
smart [ACG+21, GM20, HCB+20, VDC21, VCT20]. smell
[PDD20, SELS21, TSLHS21]. smell-aware
[TSLHS21]. smells
[HMR21, LPPG20, MSB21, PT21, PFW21].
SMEs [GGP21]. snippets [ADG+20]. SOA
[CP20]. SOA-based [CP20]. social
[HATG21]. society [VCT20]. socio [PT21].
socio-technical [PT21]. Software
[AX21, ACC21, APAF21, GRLA20, GFS21,
ASM, NBGC20a, PFdMF21, SVAGB20, AAW20, ASM+21, AGPR20, AKBN20, AZ21, APB20, AWMW20, BCLN21, BGMB20, BL21, BFZC21, BSDB20, BCW21, BGL+20, CDET21, CAC20, CA20, CKP20, CKM+20, CJNDZ21, DAP20, ECMC20, EKHK+20, FJvdW20, FVDF21, GMFO+21, HPZ+20, ILUN21, IBP21, JH20, KSF20, KDB+20, KMA20, LWC20, LXYL20, LMVRA+20, MSMB21, MLS+21, MWFK20, MN21a, NRRS20, NFJ20, NdSR+21, NDD20, DDPT20, Pat20, PDGMT20, POZ20, PPM+21, dPPdJFF21, RMOGA20, SS20, SHA21, SSS+20, SV20, SM20b, VJKLM21, Vog20, WFR21, YAA+21, ZLS20.

software-intensive [VJKLM21].

Software-testing [GRLA20]. Solutions [SVAGB20, CDET21]. Some [LST20].

SonarQube [LST20]. Source [EHB21, SVAGB20, AZR+21, BGL+20, ECMC20, HS21, HELW20, HHI+20, NRRS20, NAD+20, THG20, TKSC20, dVRB21, ASKS20]. sourced [OSJB21].


specifications [KRLS+20, PSZ21, SLL20].


Strategies [LBT+21, FVDF21].

strategizing [BSDB20]. strategy [DSO20, MH20]. structural [CAC20].

structure [HPZ+20, NAD+20, PSZ21].

Student [SWG+20, KDB+21]. studies [BAV20, FdSN+20, TST+21].

Study [VBMB20, WLS20, AIH20, APB20, AACC21, BEAK21, BCLN21, BBND+20, BGL+20, CAC20, CA20, CKP20, DSM20, GGP21, GMFO+21, HATG21, IZAD21, KCM21, KAA+21, LST20, LNST21, LWYW20, MCZX20, MAP+20, MSB21, PDGMT20, POZ20, PFW21, PPM+21, PN21, SH20, SMB+20, SM20b, TSLHS21, THG20, TKSC20, VHB21, XLY+21, YLHZ20, YMDM21, ZGW+20b, ZRGJ21, ZZP21, ZH21, dTMS21, vBD21].

Studying [BCF+21, THN20]. sub [CMP+20].

sub-processes [CMP+20]. Substructure [WGY+20].

success [BDMP21, ILUN21, RMOGA20, SS20].


Summer [SWG+20]. support [GAC20].

Supporting [NDDD20]. survey [BG20, FdSN+20, MRS20, SLL20].

survivability [BGM+21]. suspicious [SV20]. switching [SM20a]. Symbolic [AZKR20].

Symptoms [JZM+21].

Synthesizing [NdSR+21]. System [GGP21, KKH+21, KKL+21, LST20, NMG+20, SKP20, SH20, TSP20, WFR21].

system-level [NMG+20]. Systematic [BAV20, PFdMF21, PDGMT20, WLS20, AAW20, AACC21, AWMW20, CJNDZ21, DAP20, DN21, FdSN+20, GMFO+21, GRLA20, GB20, HATG21, HJK+21, KAA+21, LPPG20, LBT+21, MWFK20, MSB21, dPPdJFF21, VDVC21, WFR21, YLHZ20]. Systems [AX21, NBGC20a, SVAGB20, AAW20, ASM+21, AMRS20,
systems-of-systems [HCB+20].


[TKSC20, BGMB20, FAG+20, IZAD21, KRLS+21, LLST20, LBT+21, PT21, VKLM21, VHB21, dTSM21]. techniques [BGC20, SSZ20, VDC21]. technologies [GS20]. technology [YSB+21]. temporal


testing [BK20, BH20, CNA+20, CQZ+20, DAP20, FVDF21, GRAL20, GBSO20, JT20, LHN20, MSMB21, NMG+20, PLP+20, P0Z20, P20, SCN+21, SG20, VCT20, YLHZ20, ZZP21]. Tests [AFJ+20]. KDB+21]. textual [AC21]. their [OSJB21, SM20a]. them [ZZP21].


thinking [ECMC20]. third [NDD20].


time [BCF+21]. LHN20, MCM21, RK20,

SMB+20, YAaO+21, ZGW+20]. timing [YAA+21]. TLS [WXL+20]. tool [GGB20]. tools [LBT+21]. VDC21]. top [Hor21].

Traceability [MLPC20]. traces [DD20]. tracking [HHK20]. MRS20].

traditional [ZH21]. Train [MLPC20]. CWTL21]. transactive [LWC20].

transfer [SELS21, ZJX20]. transfer-learning [SELS21].

transformation [KRLS+21]. PN21].

Transformations [AZK20]. Transformed [LWMVRA+20]. Transforming [KKE21].

Translation [CATA21]. trees [ZXW20].

trends [CJND21]. Pie20]. trustworthy

[BCW21]. truth [GDL21]. turnover

[SS20]. Two [TST+21]. types [PMD20].

UML [AC21]. Uncertainty

[ALZ+20]. SCN+21]. TSP20, RFB20].

Uncertainty-aware [SCN+21].

understandability [PSZ21].

Understanding [KL20, SM20b]. Unified

[SWH+20]. uniform [BMB20]. unit

[THG20]. universal [NRSS20].

unsupervised [LXY+21]. update

[MWFK20]. updates [ACC+20]. Usage

[THN20]. use

[BMB20]. LBF+21]. SL20, SM20b]. user

[APB20, DPRD21, GM20]. userspace

[DD20]. Using [ALB20, HELW20, NHA20, AHP21, dAC21, CMK+20, GB20, GRV+21, KDB+21]. LZP+20, MLPC20, MC20, MH21, NDSR+21, PT21, PLP+20, PDGMT20, PDM20, dPPdJFF21, TXW+20, WSL+20, ZWX20, BFHC20]. UX

[APB20].

valid [THG20]. validation

[FGG+20]. LTJ+20, LM21, MRR+20].

validity [HXJ+20]. validity-based

[HXJ+20]. values

[KKE21, RFB20]. WSL+20]. VANET

[FR20]. variable [SV20]. ZPL21]. variation

[LSBG21]. various [GS21]. vehicle
REFERENCES


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