A Complete Bibliography of Publications in the *Journal of Software: Evolution and Process*

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**Title word cross-reference**

2 [BMP13], 4 [GGGEM18], p [IAA18a], v [BSB16].

-algorithm [BSB16].

1 [WCS14], 12th [KDK13], 13th [FKW13], 14971 [FMC+15], 15939 [ADCG12], 18th [PP14], 19th [OP14].

**20000** [WCS14], **20000-1** [WCS14], **2010** [BMP13, CDF13], **2011** [CT13, PP14, RPZ14], **2012** [CLC14, MC14, OP14], **2015** [AOAG16, De 16, DHH+16, KTHS16, LSBV17, LSCP16, MPS+16, MMJB16, PKBT16, Pot16, RFM16, SA17], **2016** [KOPR17], **2019** [HAS21], **20th** [BMCP14c], **26262** [IK14], **29110** [LSCP16, MPS+16, MM14, MPM+20, SGSGYO19, TKS+14], **29110-based** [MPS+16].

3 [vdGK12], 3.0 [MKMW18], **31000** [BMM19], **31000-based** [BMM19], **33014** [PHJ15].

4-year [MMJB16], 4th [PF18].

5 [GCMS14, RMO20].

**60880** [VNM14], **61508** [VNM14], **62304** [RFM16].

9 [LSBV17], **9126** [ADCG12].
A/B [FDM+18], abilities [SRSEGA14].
abnormality [AAYK20]. abstract
[NSDD17, BGM20]. accessibility
[SFGY19]. accidents [CRKN15].
according [MM14]. Accounting [A15].
accuracy [IAA18a]. Accurate
[WL16, KTYK16, TUF20, WWQ+21].
Achieving [BJF12, GCSM14].
Acknowledgements [Ano17m]. across
[JPvdW+17, LSFG20]. actionable
[MGN18]. activities [WWQ+21]. actual
[LHEG18]. ad [OB17]. adapted
[HGGASVD14]. adaptive
[GN18, LAF+18]. ADAS [MKMW18].
Additional [JN12]. Addressing
[BPCM20a, SL20]. Adopting
[MIC14, NMA+17]. adoption
[ASA+20, CV21, TST17]. Advances
[BPCM19, BCM15]. affecting [WKB+15].
affects [GWA15, RHM+16]. after
[EK15, SJG+14]. again [TPB+17].
Agency [PBC16]. aggregating
[MAL+13]. Agile
[GGJ20, HGGASVD14, PL14, RK18a,
SVK+14, TWFF18, ASA+20, ALK+17,
Aho21b, DT18, Dow14, El 18, ECRJVA+18,
JW12, KHR18, KMB17, Kos21, Krui3,
MPB16, MMC14, OMITR12, PA14, Pot16,
PSM19, RK18b, SKK+18, TGE17, TST17,
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[PRGP12]. AHP [Yas18]. aid [El 18].
Akari [HOD+14]. algorithm
[BSB16, KTYK16, KGR+13, LSRT16].
algorithms [KRR+16]. Alignment
[MGW+17]. allocation
[EGK18, FPA17, II17, RMCMG14].
allocation-based [EGK18]. alternatives
[LMDVT+12]. AmaLgam [WL16]. among
[PBSA17, SS18]. amongst [AHKL20].
analogy [AI21, HIA19, IAA18b].
analogy-based [IAA18b]. Analysing
[LGNEAO20, KLWA20, SVK+14]. Analysis
[ECRJVA+18, FPA17, KLG17, MPM+20,
AVC20, AL17, AAYK20, Ano21c, Ano21o,
BSEA14, BHLO16, CPR15, CLC14, EPG18,
JMC18, Jun12, Kos13, KFY13, LSBV16,
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XLWZ15, ZWW+20, CS13]. Analytic
[KHZ21, SKK+18]. analytical
[AKKM20, ASK+21, AKM+21, KS20].
Analyzing
[AN17, LLLW18, ABB14, BMZP14, RF16].
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Antecedents [CCUP21]. Apache
[TFAL21]. API
[CDSCM16, GR1K17, ND20, PJS+17]. App
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LLLW18]. Application [BMCP14a,
OCCSDBBP20, AHH17, AAYK20, BCC+15,
BSEA14, BMCP14b, HGGASVD14, OSt14].
aplications [AMB18, ADFT16, BCD13,
CY20, CLAD+17, DMT13, LGS+17, LB13,
OFAT+18, RRDP+13, UIK20, WRC+13].
applied [PCPP14]. Applying
[RMAB15, BM12a, De 15]. Appraisal
[dH13]. appraisals [De 15, De 16, SV21].
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BC14, BCD16, CS19, DCVM20, DP15,
EIA19, GP16, GKE14, GKHE18, GDAG13,
HF+12, HII12, JK14, JMR18, KLC+14, Kos21,
Kuh15, KKWH18, MAD+14, NLNL20,
NHLLT17, OK+17, OTM18, SLHS18,
SKWD15, SSL15, SLMW21, SBPS12, SAC21,
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DRW14, KJS+13, LM18]. Approaching
[CGP19]. Archimate [PCPP21].
Archirev [PCPP21]. Archirev-Reverse
[PCPP21]. architects [VPV+13].
architectural [CNPR13, MB17].
architecture [AJP14, Bab12, LGNEAO20,
NSD15, OEC+17, PJJ+17, WRC+13].
arctures [MKMW18, PJW17, PDP18].
Archive [MCSGBSA20]. Arg [KLWA20].
aruments [KLWA20]. art [GS18b].
artifacts [CDO+13]. artificial [KTYK16]. aspect [AAJE13, BJF12, JMR18]. aspect-oriented [AAJE13, JMR18]. aspects [AY20, ABG18, KGW13, KSJ+13, MSB+14, Pot16], assessed [GWA15].

Assessing [CRP14, LSCP16, RBFM15, TST17, UFF18, SG17]. assessment [Abu16, BMM19, BMP13, BCP14a, CC13, CS13, CYK20, CG14, CWBC17, CPSGAA20, JN12, Jun12, KKN+19, KMH+15, LS14, LCM+15, LMC16, dSLBF15, MK16, MV14, ÖTM18, PpdAPP21, SKTW14, SN14, SBPS12, TKS+14]. assessments [CRP14, VMCN20]. assessor [CRP14, LSCP16, RBFM15, TST17, UFF18, SG17].


asynchrony [JGHA14]. attackers [IZJG18]. attribute [Jun12]. attributes [NBF18].

automate [GP16]. Automated [AM18, HBG21, MML16, PPdG20, VMSH13, WFB+18, dGNFAT17, NBD17, UIK20]. Automatic [FHS13, WPVS14, NBCM17].


based [AMH15, AAM+20, AI120, AKM+21, ASACG13, ABQO14, ADFT16, AL15, AI21, Ano21q, API+14, AYB+18, BMM19, BH16, BSEA14, BCD16, CDO+13, CS19, DRW14, DMT13, EKG18, EIA19, EMRF14, EKP18, FTV16, GLL+21, GGBBEM18, GP16, GA20, GEK14, GKH18, dH13, IAA18b, JbAPT18, KMB17, KKT12, KÖ16, KHZ21, KST14, KFY13, LMdVT+12, LGNEAO20, aRL21, MAK13, MPS+16, MA12, MCL+18, NHLTL17, NSDP15, OCCSBDBP20, PML20, PCCP14, RLMC19, RCL19, SLHS18, SDWA20, SKWD15, SKTW14, SG20, SGD+13, TKS+14, UIK20, WSB14, ZKK13, ZWY+20, ZLM+21, dSPF+12, dGNAT17]. basic [CMCG+12, MPM+20]. Bayesian [PGAP17]. becoming [IZJG18].

BEFTIGRE [CLAD17]. behavior [JMCC18]. behavioral [AHA17, GD21].


Brazil [GdOK18]. BS [GGGBEM18].

BSCBAS [dH13]. Bug [WL16, ATR+17, DRM21, NHLTL17, RHD+16, SBS20, SAK17, WWQ+21, ZTG16].


C [HD17, BGM20, GJ13, LSVB16, LSVB17].

Can [KMH+15, TPB+17, Kra13, PPDAPP21].
capabilities [FDM+18], capability [Cao12, GdOK18, SG20, UC12, WCS14, SKTW14], care [EKP18, PDP18, WFB+18]. Case [TGE17, AIA20, AY20, Ano21b, AN17, BLGZ18, BABW12, BCSS18, EKV15, GP13, HD17, HZ14, KFY13, KO13, LSW13, MKA20, MGAU14, MPB16, MMPN20, MBMR19, NH14, COCSSDBBP20, PMT20, PCCRTP21, PCMACAC14, RG5+15, RCL19, RMOP20, SDG21, TFAL21, TG20, VvV15].


Data [MA20, AIA20, Al15, Ano21o, CYK20, CSGR17, GA20, KMH15, LHEG18, RL14, Stu12, SKR15, ZPFV14, ZTGG16, CS13]. Data-driven [MA20]. data-intensive
[ZPFV14]. Database [MAzGB18].
databases [PCdGCP13]. datasets
[AHHC17]. De-motivators [ASA+20]. debt
[CWBCL7, LSFG20, MB17, TFAL21].
debugging [ANO21, CS19]. December
[LSBG17]. decision
[ANO21q, EL18, FPA17, GP16, HB16,
JMCC18, KS20, aRL21, dSLBF15, WKB+15].
decision-making [ANO21q, JMCC18, KS20].
decision-support [GP16]. declarative
[ZPW12]. decomposition
[SL20, VKPvV13]. deep [ZLM+21].
deep-learning-based [ZLM+21]. Defect
[CPR15, ANO21p, CMQ+20, RLMC19,
SSL+21]. defective [CMQ+20].
Defectivity [HBH12]. defects
[HLWL15, JWP+16, KCH+17]. define
[MA20]. definition [KPG14]. delivery
[RG5+15]. Delta [AMHM15]. Delta-based
[AMHM15]. deltas [DCVM20]. demand
[HF12]. demand-driven [HF12].
demonstration [SGD+13].
demonstration-based [SGD+13].
dependability [ZWY+20]. dependence
[DRW14, SJG+14, UY13].
dependence-based [DRW14].
dependences [APL+14, yCP12].
dependencies
[BPKZ16, KMH+15, LHEG18, SS18].
dependency [ANO21, BPKZ16, JbAPT18].
dependent [HBM+18]. dephase [JGHA14].
deployed [SPC16]. deployment
[NSBR12, RGSR20]. derivation [OMTR12].
Deriving [Sha15]. descriptions
[DS17, LLLW18]. Design
[BCD14, BMG20, CszZ+13, FMR13,
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FAA+17, NSBR12, OK+17, PPdAPP21,
RTC16, SGSGYO19, SV21]. detailed
[CPR15]. detect [DP15]. Detecting
[ATR+17, BMZP14, JGHA14, CKS18].
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SKR15, WFB+18, ZPFV14]. detectors
[SKR15]. determining [DRW14]. DEV
[GP13, RMOP2]. develop [GJC+18].
developer [CSGR17, DRM21, KRR+16,
TBP+17, WWQ+21]. developer-related
[TBP+17]. developers [BCSS18, KGP+12,
KTHS16, MGN18, WPXZ13, XLWZ15].
Developing
[SV21, MMC14, NBF18, PKY14].
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[LCM+15, LMC16, ASA+20, AY20, AHA17,
AMH+20, ASK+21, AKM+21, AOGA16,
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BM13, BCC+15, BH16, CAO12, CN12, CD19,
DT18, DHH+16, EIA19, FPA17, GS18b,
GKS+12, GD21, HD17, HGGASVD14,
HL15, HIA19, IAA18a, IAA18b, IK17, I1h7,
JWP+16, KLC+14, KK+19, K20, KH21,
KGW13, Kntu13, LSW13, LMDVT+12,
LLW18, MKM16, MA20, MPS+16,
MVR20, MGUA14, MA20, MA12,
NMA+17, NPL12, ND20, OMT18, PL14,
PSB17, PRN14, PK14, RGR20, RCL19,
RMOP20, RK18a, RK18b, RMCGLAM14,
RFM16, SSM21, SK18, SRSEGA14, SK+18,
SAEH16, SLM16, TGE17, TCK+21,
TWFF18, TRC+17, THP13, TST17,
VKC+21, WWQ+21, DSFP+12, AL17].
device [CC13, LCM+15, LMC16, OMT18].
DevOps [ADH20, BEB21, EAD17,
JbAPT18, KS20, RY+21]. diagrams
[GAA18, MMPN20]. dictionary [HBG21].
differences [KJ14]. differencing
[DCVM20]. different [CMQ+20, MPM+20].
differential [BH16]. Digital [BO21, OB20].
digitalization [PPdAPP21]. dimension
[GSB+20]. direct [Sun14]. directed
[NHLTL17]. directions [MGW+17, RPV12].
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discovery [MLM16]. discriminative
[HCL+17]. disjunctive [FCL17].
Disruption [OB20]. distance [Pri12].
distinguished [OP14, PP14]. distributed
[BCSS18, FPA17, LMDVT+12, Pri12].
distribution

[Ano21p, CN12, PBSA17]. distrust

[PNL12]. divergence [MGW+17]. diversity

[SVSC20]. Do

[CMQ+20, GWA15, LHEG18, DS17]. documentation [NSDP15, PJ5+17]. does

[GKS+12, RZL+15, SWT+16]. domain

[ATR+17, APL+14, BSEA14, BO21, JN12, KKN+19, MMC14, RPZ14, RLR21]. domain-based

[APL+14]. domains

[BMCP14b, DT18]. down [AAA13]. drive

[NRB13]. driven

[AMH15, Ano21k, BJF12, BCD14, CLAD17, De 16, DP15, GGPT12, HF12, HD17, MA20, SZ12, SV20, WWKC18]. driver [CNPR13]. drivers

[SSB+20]. DRIVES [SSB+20].

[MKMW18]. DSL [BCD14]. DSL-driven

[BCD14]. Dthreads [FZW+18]. Dual

[XLW215]. duplicate [ATR+17]. duration

[BE21, Hou14]. during

[CKG15, CKS18, ECRJVA+18, GJ13, HH12, PPdAPP21, SPC16]. Dynamic

[Cao12, BCD14, CsZZ+13, GS12, HBH12, QVR+21, RPZ14, SAM13, WRC+13]. Dynamics

[I17, dSLBF15].

each [Kra13]. Early

[PRNR14, AN18, LHEG18]. economical

[Pot16]. Ecosystem

[BO18, MCSGBSA20, OB17, TFAL21]. ecosystems [AY20, DRM21, HB16, OB20]. ECQA [ISK15, KBM+12]. editing

[ZKZH14]. edition [PF18]. editor

[GW12, HAE14, HZRI6, KLG17, RBM16]. Editorial

[Ano13, BMP13, BMCP14a, BMCP14b, BMC15, BCP15, CDR17, CDF13, CLC14, CT13, FKW13, GW12, HOJI5, HAE14, HZRI6, KOL16, KLG17, KDK13, LP17, MC14, MAD12, MGW+17, MP16, PP14, RPZ14, RBM16]. Editorials

[BM12b, BMCP14c, CDR12, NSBR12, RPV12]. edits [ZKK13]. education [Sir18].

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[EPG18, GJC+18, NSDP15, VV15]. effectiveness

[ASG18, AL15, HH12, RMOP20, VMCN20]. Effectivity

[Pot16]. efficiency

[JPvdW+17, LSW13, RMOP20]. Efficient

[ARSH16, ACM+14, SSL15]. Effort

[Ano21a, QB21, RCL19, TGE17, AL15, AI21, Ano21m, AN18, BCC+15, BH16, EIA19, GS18b, HOJ15, HIA19, IAA18a, IAA18b, KFY113, LHA+16, MKA20, MA20, PBSA17, TF12, vdGK12]. electronic

[OCCSBDBP20]. electronics [HB16].

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[AL17, DFGP18, SDWA20, SL20]. Embedded

[BSEA14, BO21, DT18, MPB16, OB20]. embedding [SLL+21]. Embracing [GJ13]. Emerging

[BW18]. Empirical

[ABG18, AAYK20, CAAK21, CAKA21, EIA19, HSvG17, LSBV16, LSBV17, PA14, AAM+20, ALK+17, AVC20, ALK+20, BKZ13, CO13, CWBC17, CV21, CNS14, FQA17, GFK+20, GddOK18, JPvdW+17, JRS13, KR+16, KA20, LMB12, LGS+17, LML+18, NXC13, NMA+17, PCP18, RHD+16, SS18, TBP+17, VMSH13, ZKZH14]. employing [MPB16]. empowering [MMJB16]. Enabling

[PB17]. enactment [THP+16]. encapsulation

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[JPvdW+17, FAA+17, SWT+16]. engine

[OCCSBDBP20]. engineered [GAA18].

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[OP14, PMT20, PP14, RRDPD+13, AIA20, ARD+12, ATR+17, AHC21, BSEA14, BJF12, BCP20b, BOR16, BDB+18, CKR18, GKH18, GGPT12, GWA15, HBM+16, JW12, KOL16, KTF14, LMB12, LP17, LFT19, LHE18, MAD12, MBMR19, MPM+20, OEC17, OMTR12, PCCRP21, PN12, PRI12, RPV12, RDP+12, RBG15, SKWD15, SL20, WKB+15, dGNFAT17]. engineers

[MVP12, PPdAPP21]. engines

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Introducing [OK O+17].
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investigation [CPR15, JRSS13, KRR+16, KA20, LML+18, PBSA17].
Involving [Lin15].
IR [CDO+13].
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ISO [ADCG12, BMM19, FMC+15, IK14, KO13, LSCP16, MPS+16, MFA12, MM14, MPM+20, PHJ15, SGSGYO19, TKS+14, WCS14].
ISO/IEC [LSCP16, MFA12, MM14, MPM+20, PHJ15, SGSGYO19, TKS+14, WCS14].
Issue [Ano14a, Ano14b, Ano14c, Ano14d, Ano14e, Ano14f, Ano14g, Ano14h, Ano14i, Ano14j, Ano14k, Ano14l, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano16k, Ano16l, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i, Ano17j, Ano17k, Ano17l, Ano18a, Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h, Ano18i, Ano18j, Ano18k, Ano18l, Ano19a, Ano19b, Ano19c, Ano20a, Ano20b, Ano20c, Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano21a, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, BMP13, FKW13, KLG17, KOPR17, PKBT16, RBM16, Ano13].
issues [DGVP21, LM18, MVP12, SN14].
IT-supported [NRB13].
iterative [HBM+16].
ITIL [LCMCPA15].
ITMark [LSCP16].
IWSC’13 [KR15].
Java [AAYK20, LSBV16, LSBV17, SAC21, TFPB14].
JavaScript [NSDD17, SVB+17].
journal [CDR12, PF18].
Jsvee [Sir18].
just [HZ14].
just-in-time [HZ14].
Kanban [ALK+17, SDG21].
KASL [GS12].
KASL-II [GS12].
Kelmu [Sir18].
kernel [NH14].
kernels [WYW+13].
key [Yag18].
know [GKS+12].
Knowledge [BABW12, PpdAPP21, ATR+17, AJP14, CdSdAM16, CCUP21, CPMS+14, CNS14, CNPR13, GS12, NEU+19, RCO20, RHD+16].
label [MAD+14].
Labelling [ZCL+18].
language [dGNA+16].
languages [Ano21k].
LAPPI [RAS+13].
Large [Kos14, ASA+20, AHH17, AAA13, DRM21, KHR18, KCH+17, KRG+13, LSVB16, LSVB17, MPB16, PRNR14, Pot16, SSM21, SSL15, SJA+14, TUF20, WKB+15].
Large-scale [Kos14, ASA+20, SSM21, WKB+15].
late [BKZ13].
latent [EKG18].
laws [GBRHO14, GG14].
Layer [OB17].
LDA [BHLO16].
lead [WKB+15].
leakage [LHA+16].
Lean [PSMM19, SSA15, ALK+17, RL14].
learn

networks \[\text{MMK}16, \text{PGAP}17, \text{VvV}15\]. neural \[\text{KTYK}16]\).

next \[\text{RPV}12\]. no \[\text{CKMN}15\]. non \[\text{BEB}21\]. non-Markovian \[\text{BEB}21\]. nonfunctional \[\text{SGD}^+13\]. nonradial \[\text{Ano}21o\]. nonterminating \[\text{WZ}17\]. normalization \[\text{BL}15\]. Norway \[\text{SDWA}20\]. Norway-based \[\text{SDWA}20\]. noun \[\text{CDO}^+13\]. noun-based \[\text{CDO}^+13\]. nuclear \[\text{VNM}14\].

O \[\text{BMZP}14\]. obfuscation \[\text{SWT}^+16\]. object \[\text{Al}15, \text{EAK}13, \text{JWP}^+16, \text{KRG}^+13\]. object-oriented \[\text{Al}15, \text{EAK}13, \text{JWP}^+16, \text{KRG}^+13\].

Objective \[\text{De}16, \text{GKHE}18, \text{KRR}^+16, \text{OK}^+17\]. Objective-driven \[\text{De}16\]. offshoring \[\text{BABW}12\]. Onboarding \[\text{BCSS}18\]. Online \[\text{BGV}18, \text{FDM}^+18\]. Ontology \[\text{PCCP}14, \text{AAM}^+20\]. Ontology-based \[\text{PCCP}14, \text{AAM}^+20\]. open \[\text{Ano}21n, \text{Cap}13, \text{DRM}21, \text{HJ}14, \text{KFY}13, \text{LGS}^+17, \text{NX}13, \text{QB}21, \text{RC}20\]. open-source \[\text{Ano}21n, \text{LGS}^+17, \text{NX}13\].

OpenPPM \[\text{MMJB}16\]. operation \[\text{NSBR}12\]. operations \[\text{KFT}16\]. operator \[\text{ZCL}^+18\]. opportunities \[\text{Cap}13, \text{CdMNSdCM}^+14, \text{MR}20\].

optimization \[\text{NSDP}15, \text{WSB}14\]. optimization-based \[\text{NSDP}15, \text{WSB}14\].

optimizing \[\text{HMMR}18\]. oracled \[\text{PPPdG}20\]. order \[\text{SA}17\]. ordinal \[\text{MV}14\]. organization \[\text{NBF}18, \text{RMOP}20, \text{WWKC}18\].

organizations \[\text{BMM}19, \text{CD}19, \text{ECRJFZ}13, \text{ECRJFZ}16, \text{dH}13, \text{KHR}18, \text{LFT}19, \text{PRGP}12, \text{RYA}^+21\].

oriented \[\text{ARD}^+12, \text{Al}15, \text{AAJE}13, \text{BHZK}12, \text{EAK}13, \text{Gal}20, \text{JWP}^+16, \text{JMR}18, \text{KRG}^+13, \text{RLR}21, \text{SV}21, \text{UC}12, \text{W}^+\text{P}XZ}13, \text{WRC}^+13, \text{ZW}18\].

origins \[\text{DRW}14\]. osmosis \[\text{LMB}12\]. other \[\text{Kra}13\]. outcome \[\text{WKB}^+15\]. outsourced \[\text{CRP}14\]. outsourcing \[\text{AKM}^+21, \text{AHKL}20, \text{ALK}^+20, \text{EKV}15, \text{UC}12\]. over-sampling \[\text{Ano}21p\]. Owners \[\text{UWKRS}21\].

package \[\text{MC}G\text{BS}A20\]. packages \[\text{CKP}15, \text{RMCLGAM}14, \text{SVSC}20\]. Pakistan \[\text{SSA}15\]. PAM \[\text{Abu}16\]. Papers \[\text{BMP}13, \text{CDF}13, \text{KDK}13, \text{OP}14, \text{PP}14\]. parallel \[\text{AMB}18, \text{LWY}^+16, \text{SSL}15\]. Parsing \[\text{AHH}17\]. partially \[\text{CRP}14\]. Partition \[\text{KL}18\]. partnership \[\text{AHKL}20, \text{ALK}^+20\]. past \[\text{McQ}12\]. pathways \[\text{WFB}^+18\]. Pattern \[\text{ZPF}14, \text{ZWY}^+20, \text{BCD}14\].

Pattern-based \[\text{ZWY}^+20\]. patterns \[\text{FAA}^+17, \text{FMR}13, \text{HAN}18, \text{JGHA}14, \text{JWP}^+17, \text{MGU}A14, \text{OK}^+17, \text{SGSGYO}19, \text{UTZ}13, \text{ZKZH}14\]. payment \[\text{EKV}15\].

people \[\text{KJS}^+13\]. perceived \[\text{Pri}12\]. perceptions \[\text{PJ}16\]. perform \[\text{WPXZ}13\]. performance \[\text{BMZP}14, \text{CV}21, \text{EK}18, \text{dH}13, \text{LB}13, \text{OCCS}1, \text{P}D\text{BBP}20, \text{PMT}20, \text{PJ}16, \text{RF}16, \text{UIK}20, \text{VvV}14\]. performance-based \[\text{PMT}20\]. personal \[\text{RF}16\]. personality \[\text{AY}20\]. perspective \[\text{ASA}^+20, \text{BPKZ}16, \text{GG}12, \text{KPG}14, \text{Lin}15, \text{OEC}17, \text{SVK}^+14, \text{WYW}^+13\]. perspectives \[\text{BCPM}20\]. Petri \[\text{BE}21\]. phase \[\text{Ano}21a, \text{IK}14\]. phases \[\text{LSF}20, \text{LTL}20, \text{PBS}17\]. phenomenon \[\text{MB}17\]. physical \[\text{BGV}18, \text{CY}20, \text{MSB}20, \text{PMT}20, \text{PDP}18, \text{RMP}^+20, \text{ZIDM}20\]. PI \[\text{NEU}^+19\]. picture \[\text{UWKRS}21\]. pilot \[\text{ADH}20, \text{G}S^+20\]. placement \[\text{MSK}18\]. plan \[\text{RFM}16\]. planning \[\text{ASG}18, \text{KO}13\]. plans \[\text{PCMC}14\]. platform \[\text{BM}12\]. platforms \[\text{FHS}13\]. PLC \[\text{LSF}20\]. PLM \[\text{GGB}16\]. PMBOK(R) \[\text{MM}14\]. point \[\text{Ano}21l, \text{CS}19\]. points \[\text{AN}17, \text{BCC}^+15, \text{MKA}20\]. policy \[\text{AY}18\]. popularity \[\text{SVS}20\]. portfolio \[\text{ALK}^+17\]. porting \[\text{SR}19\]. possible \[\text{KJ}14\]. post \[\text{BKS}^+17\]. post-commit
Protecting [IZJG18, KKW18]. protocols [BAAO+20]. provenance [BNBA21].
provide [UWKRS21]. provider [VvV15].
proximity [SAK17]. Pthreads [FZW+18].
published [LSBV17]. pull [Ano21n].
Purity [NSDD17]. Python [TFAL21].

qualitative [EAD17, LHR18]. Quality [GKS+12, RMP+20, CN12, GLL+21, HBB12, JWP+16, LML+18, MRJ20, MDV+18, MAL+13, NBD17, Pot16, SSA15, UFF18, VMSH13, WWKC18, ZKZH14].


recommendation [GLL+21, OKÖ+17, WWQ+21]. recommendations [RA18b].
recommending [XLWZ15]. reconfiguration [HMB+18]. record [AM16]. recovered [HMB12]. recovering [PCdGCP13].
recovery [BCD13, CDO+13, QBÖ+13, ZPFV14].
reduce [KTHS16]. Reengineering [FKW13, Ano13, CDF13]. Refactoring
KTHS16, AAJE13, CKS18, GJ13, GEK14, GKHE18, MRJ20, MAMN19, OKÖ+17]. refactoring [CKS18]. refinement

[DFGP18]. Reflecting [NPLP12]. reflections [BABW12, RTCL16]. reflection [Kos13]. Regression
[UY13, AMH15, AL15, IAA18b, KMB17]. regression-based [IAA18b]. regressions
[BMZP14]. regular [PPPdG20]. regulated
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[TBP+17]. relating [RGS+15]. relation
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relevance [HCL+17]. relevant
[PJS+17, ZCL+18]. reliability
[Ano21i, CS19, KHZ21]. reliable [BW18].
remediation [TFAL21]. repair [WWQ+21].
repeat [DRM21]. replay [AM16].
replicated [FQA17]. Report
[TKS+14, AÖAG16, KK14, PMT20, SV20, WWKC18, ZTGG16]. reported [DGVP21].
reports [ATR+17, RHD+16]. repositories
[AM120, CdMSNdCM+14, JGA14, TU20].
representation [SLL+21]. representatives
[JP16]. reproduction [NHLTL17]. request
[CdMSNdCM+14]. requests
[Ano21n, HZ14, KGPH12]. required [LP17].
Requirement [AKKM20, ASK+21, AÖAG16, VMCN20, ZWK18].
requirement-oriented [ZWK18].
Requirements [DFGP18, ARD+12, AMA+20, AMH+20, ASACG13, AL17, AHC21, BCPM20a, CKG15, GGPT12, HZ14, HBM+16, JRSS13, JN12, KLWA20, KA20, KST14, KMH+15, LHA+16, OFAT+18, PGCM15, SDWA20, SL20, TNLJ+17, WCS14, WKB+15, dGNA+16, dGNAT17].
resampling [ZLM+21, ZHC+18]. Research
[RVP12, Ano21q, CDF13, CKR18, DFGP18, Dow14, MGW+17, SBS20, SV21, UWKRS21, WWKC18]. research-driven [WWKC18].
residual [HLWL15]. Resilient [LAF+18].
resistance [CMCG+12]. resolution
[DRM21]. resolve [XLWZ15]. resolving
[VvV15]. resource [AVC20]. resources
[HMMR18]. responsibility [MSB+14]. restrictionings [NBCM17]. Results
[BMCP16, BDB+18, HSvG17, LSPC16, dSPF+12], retention [RCO20], retrieval
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[AP14, ADH20, AM16, PGCMA15, RCL19, SG17, dGNA+16, dGNFAT17]. reuse-based
[dGNA+16, dGNFAT17]. Reusing [HAN18].
Reverse [OP14, PP14, GAAX, MBMR19, QSM15, PCCRP21], reverse-engineered
[GAA18], review
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JbAP18, JW12, KK12, KA20, MKA20, NB18, PTK13, PDP18, RA15, RL15,
RBG15, S18, SB+20, VBC+21]. Reviewer [AN017m]. reviews
[BKS+17, GLL+20, LLL1W18], rewards
[SV21]. Rich [WL16], rigorous [SLWW21], risk
[AAM+20, BMNR18, ISK15, LMdVT+12, Lin15, dSLBF15, MMK16,
ZIDM20], risks [Nia12], roadmap [AN021q, CKP18, FMC+15, JvWdW+17, KKN+19].
Robula [LSR16], robust
[AKM+21, LSR16], role [BCD16]. role-based [BCD16], root [RF16]. ROS
[LGNEAO20, LAF+18], ROS-based
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[KST14, LMdVT+12, OCSCD2B20]. rules
[vCP12, DMS12, HBG21, PJW17]. run
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S# [LH18]. SaaS [MSK18], safe [BW18], safety
[BM13, Gal20, GNS18, JN12, LGNEAO20, LHR18, MBMC18, MSB20,
RGSR20, VMN20, Wall18]. safety-critical
[JN12, MSB20, Wall18], safety-oriented
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[vdGK12]. scalable [ACM+14, BAAO+20], scale
[ASA+20, Kos14, PRNR14, SSM21, SSL15, WKB+15]. scaled [TST17, TST17].
Scaling [KHR18], SCAM [KLG17, LEC14], SCAN
[MAD+14], scenarios [ISK15]. schema
[ZPFV14], scheme [KBM+12], science
[MDSSM15, SV21]. Scorecard
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GP13, PGAP17, PCMC1C14]. Search
[FTW16, GEK14, GKE18, KO16,
SKWD15]. Search-based
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Searching [CaSdAM16], section
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Security [AYB+18, BNB12, CYK20,
MSB20, MSK18, CG14, Gal20, GLL+21,
GN18, LSFG20, UFF18, ZIDM20].
Security- [MSB20]. Security-aware
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Segmentation [WPSV14], segments
[MAD+14]. Selected
[BMP13, BMCM18, KDK13]. Selecting
[TUF17], selection
[AN021m, CDF13, KMB17, aRL21, LMLM16,
OP14, PP14, UC12, UY13]. self
[GA14, MKM18]. self-assessed
[GA14]. self-driving [MKM18].
semantic [AN021c, Ano21k, KW18],
semantics [WZ17]. sensitive [ABSH16],
sensitivity
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series [HH12, RHL15]. Service
[BMCP16, UC12, ARD+12, AMB18,
Ano21k, AYB+18, BCPM19, KO13, LM18,
MBMC18, MKM18, NVGD13, RLR21,
Sch12, UTZ13, VvV15, WRC+13].
service-oriented [ARD+12, RLR21],
Services [BM12b, ARD+12, BH16, EKP18,
PCodGP13]. set [LHEG18], setting
[HD17]. settings [HL15, LS19]. SFLA
[GA20]. SFLA-based [GA20]. shared
[BMCP14c]. sharing [BABW12, CCUP21,
GS12, LHEG18, VvV15. similar [SBPS12].
Similarities [Cap13]. similarity [PCCP14].
Simple [ARSH16]. simplified [MFCP14, PB17]. Simplifying [NBCM17].
Simulation [CLMZ13, BHZK12, BK517, GP16, OCCSDBBP20, ZRB+14]. simulator [MVP12]. since [OKA14]. single [KRR+16]. single-objective [KRR+16]. sites [AHC21]. situation [PKY14]. situation-aware [PKY14]. size [LLT20]. sized [LCMCPA15]. Skills [SRSEGA14, ISK15, MDSSSM15, RDD+12, TWFF18]. slicing [ACM+14, HF12, KFY13, WZ17]. SLOC [LSBV16, LSBV17]. SLR [ASA+20]. small [Abu16, ABG18, CG14, ECRJFZ13, ECRJFZ16, GPM+12, LS19, LCMCPA15, MPM+20, PRGP12, SG20]. smaller [BPKZ16]. smart [AVC20, PKY14]. SME [BABW12]. smell [AAG21, MRJ20, RA15]. smells [MAMN19, OKO+17, SLHS18]. SMEs [Abu16, CO13, SS18]. Snapshot [BMCP14c, TPB+17]. SOA [RL15]. Social [AHC21, MSB+14, AY20, CFMS+14, ECRJVA+18, NMA+17]. sociocultural [GSB+20]. Software [AAG21, AL17, ANo21p, BM12b, BMCP14b, BMCP16, DS17, FKW13, HOJ15, IK17, aRL21, MPS+16, MCQ12, MAL+13, PF18, PCdGCP13, PDP18, PBPD16, Rya16, TFL21, WWK18, ZRB+14, ZHY18, ZHC18]. AAM+20, AIA20, ASA+20, ARD+12, ATR+17, ALK+17, AY20, AHA17, AMH+20, ASK+21, AKM+21, AOA16, ASG18, ABB14, AM20, AKH120, ADH20, ALK+20, ABG18, AL15, AI21, ANo13, ANo21a, ANo21b, ANo21l, ANo21o, ANo21q, AAA13, AN18, Bab12, BW18, BM12a, BHZK12, BH16, BSEA14, BPKZ16, BML13, BMCP14a, BCM19, BCMP20a, BCMP20b, BSB16, BGM18, Bor16, BDB+18, BCSS18, Cao12, CDF13, CDO+13, CKR18, CPR15, CC13, CN12, CdMSNdCM+14, ÇD19, CAAK21, CKG15, CS19, CS13, CKS18, CGN17, CCUP21, CO13, CLMZ13, Dow14, EIA19, EAK13, ECRJFZ13, ECRJFZ16, FDM+18, FQA17, FPA17, FHS13, GPM+12, GP16]. software [GFK+20, GP13, GS18b, GA20, GKHE18, Ghe17, GJC+18, GdOK18, GBRHO14, GKS+12, GWA15, GD21, HAN18, HH12, dH13, HB16, HSvG17, HAS21, HLP15, HBM+16, HIA19, HHLW15, HCL+17, IA18a, IAA18b, II17, JGHA14, JWP+16, JPrdW+17, JW12, JMC18, JS12, KGPH12, KTY16, KKT12, KÔ16, KKN+19, KA20, KHZ21, KGW13, KCH+17, KR15, Kos21, KRG+13, Kru13, Kuh15, KFT16, KFY13, KO13, LSW13, LMB12, LP17, LMDvT+12, LCMCPA15, LFT19, LCM+15, LMC16, LYL+12, Lin15, LLLW18, LHEG18, dSLBF15, LHIE18, MKA20, MVPR20, MGUA14, MPB16, MBMC18, M1C14, MDSSSM15, MGN18, MAD12, MFCP14, MA20, MP16, MANN19, MPM+20, NXC13, Nia12, Nia15, NMA+17, NSDP15, NPL12, ND20, NBF18, OEC17, OMTR12, OKA14, OB20, Ost14, ÖTM18, PL14, PGCM15, PJW17, PA14, PBSA17, PKY14]. software-intensive [AAA13, OB20]. solution [GGGBEM18]. solutions [BW18, CBBdAM16, KJ14, KKT12,
[BMCP16, ASACG13, AAA13, BCPM19, CYK20, Kos14, aRL21, MBMCP18, MBMR19, NH14, PRNR14, SGD+13, THP+16, VKPvV13, dH13]. Systematic
[KA20, AAG21, AJP14, AHC21, BNBA21, BGM18, BDB+18, CdMSNdCM+14, GAA18, JbAPt18, JW12, JPW+17, LHIE18, MKA20, MMPN20, MdIfT19, PTK13, PDP18, RL15, RBG15, RRDPD+13, SK18, VCK+21, dSPF+12]. systematization
[Kuh15]. SystemC [NL18]. Systems
[BM12b, KDK13, dSLBF15, MCL+18, RRDPD+13, SDG21, BW18, BM12a, BM13, BGV18, BGM18, BO21, CPR15, CYK20, DP15, FHS13, HF12, HAS21, HBM+16, HMMR18, JN12, KRG+13, LSW13, MSBE20, MA12, OB20, OCCCSDDBP20, PMT20, PCCRFP21, PRNR14, PDP18, RPZ14, RGRSR20, RPM+20, SJA+14, SLMW21, TLNJ+17, UFF18, Wall18, ZIDM20, ZPFV14, vdkGK12]. Systems-of-systems [MCL+18].

table [WSB14]. tailoring
[ABQO14, Gal20, Sir18]. TALAIA
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teaching [De 15]. Team
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[BPKZ16, MdIfT19, AMH15, AMB18, CS19, FDM+18, FQA17, GP16, GFK+20, HHI2, KMB17, LSRT16, LYL+12, RLMC19, SKWD15, SGAP14]. TestSPICE [SN14]. text [DRW14, PJS+17, ZTGG16]. text-based [DRW14]. textual [HBG21].

thef [PF18]. their [DGVP21, FMRI3, SN14, VKPvV13]. them
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Thinking [SDG21, RTCL16]. Three
[OB17, BCSS18, PJ16]. Three-Layer
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[JPW+17]. transaction [QB21]. transfer
[BDB+18]. transferring [SW12].

transformable [ZKJ12]. transformation
[BO21, ECRJVA+18, OB20, SKWD15, Sha15, SGD+13]. transformations
[FTW16, NBCM17, PB17, WSB14].
Transition [HOD+14, ARD+12].
transitioning [Dow14]. traps [BO18]. Tree [WG18]. trees [Kos14]. trends [RHL15].
Trustworthiness [ZWK18]. trustworthy [BHZK12, Cao12, FDM+18, MA12, ZKJ12].
TuneR [Bor16]. tuning [Bor16]. tutorials [ND20]. two [BABW12, RTCL16]. types [PJ16].

UML [MMPN20, MAMN19]. Uncovering [CGN17, MB17]. understandability [DCVM20].
usage [Ano21q, CDSIAM16, EAD17, GRK17, NPLP12, SWT+16]. Use [TG20, AN17, BGM18, DS17, KFT16, MKA20, MMC14, MKMW18, MBMR19, RCL19, ZWW+20]. used [DT18]. user [DGVP21, GLL+20, GD21, KLWA20, Lin15].
user-centered [GD21]. user-reported [DGVP21]. users [IZJG18]. Uses [RRDPD+13]. Using [CPMS+14, HCL+17, MBMR19, RK18b, SAC21, AKM+21, AI21, Ano21k, APL+14, BM13, BCC+15, BKS+17, BEB21, BAAO+20, BCD14, CKP15, CNPR13, Dow14, El 18, GEK14, GK13, GDAG13, JWP+16, KLC+14, KS20, Kos14, KRG+13, KFY13, KO13, LAF+18, MGUA14, MRJ20, MSK18, MMPN20, MCL+18, MPM+20, NBD17, PGAP17, SJG+14, SKK+18, Sha15, SAEH16, SGD+13, SKR15, UY13, Yag18].


REFERENCES


XPath [LSRT16]. XT [KFT16].

year [CDR17, MMJB16].

Z [Bol13].

References


Alegria:2014:ATA


Almomani:2018:ESS


Alegria:2014:MBP


Abushama:2016:PSP


Alomari:2014:SVE


Abran:2012:MQS

Amalfitano:2016:ETC


Ali:2020:HDP


Ali:2021:SNS


Aivaloglou:2017:PEF


Ali:2020:FMS


Akbar:2017:MMS

Amazal:2021:ESD


Abnane:2020:FCB


Ahmad:2014:CCA


Akbar:2020:RCM


Akbar:2021:RFC


AlDallal:2015:ADE

REFERENCES

2047-7473 (print), 2047-7481 (electronic).

**Amasaki:2015:EWM**

**Ali:2017:MRE**

**Ahmad:2017:ESP**

**Ali:2020:PVB**

**Armaly:2016:PSC**

**Alhammad:2020:CGS**
Akbar:2020:MSI


Ali:2018:APG


Abadeh:2015:DBR


Azzeh:2017:ARB


Azzeh:2018:PPE

REFERENCES

CODEN ???? ISSN 2047-7473 (print), 2047-7481 (electronic).


Anonymous:2014:IIIi


Anonymous:2014:IIj


Anonymous:2014:IIk


Anonymous:2014:III


Anonymous:2015:IIa


Anonymous:2015:IIb


Anonymous:2015:IIc


Anonymous:2015:IId


Anonymous:2015:IIe

REFERENCES


REFERENCES


Anonymous:2017:IIj


Anonymous:2018:Ib


Anonymous:2018:Ic


Anonymous:2018:Id


Anonymous:2018:IIe

Anonymous:2018:IIf


Anonymous:2018:IIg


Anonymous:2018:IIh


Anonymous:2018:IIi


Anonymous:2018:IIj


Anonymous:2018:IIk


Anonymous:2018:IIIa


Anonymous:2019:IIa


Anonymous:2019:IIb

Anonymous. Issue information. *Journal of
REFERENCES

*Anonymous:2019:Iic*


*Anonymous:2020:IId*


*Anonymous:2020:IIf*


*Anonymous:2020:IIf*

Anonymous:2020:Ih


Anonymous:2020:Ii


Anonymous:2020:IIj


Anonymous:2020:IIk


Anonymous:2021:EAS

Anonymous:2021:I


Anonymous:2021:I


Anonymous:2021:I


Anonymous:2021:I


Anonymous:2021:I


Anonymous:2021:I


Anonymous:2021:I


Anonymous:2021:MDA


Anonymous:2021:MUS

Anonymous. Multi-upgradation software reli-

**Anonymous: 2021: VFF**


**Anonymous: 2021: PLP**


**Anonymous: 2021: QSP**


**Akman: 2016: EER**


REFERENCES


Al-Sabbagh:2018:CBG

Akbar:2021:FAH

Aggarwal:2017:DDB

Ajienka:2020:EAS

Akarsu:2020:MSA
Asim:2018:SPM


Benyagoub:2020:FDS


Babar:2012:FGS


Boden:2012:KSP


Barabino:2015:WFP


Bernardi:2013:WAD

Mario Luca Bernardi, Marta Cimitile, and Damiano Distante. Web applications design recovery and evolution with RE-UWA. *Journal of Soft-


Brings:2018:ASF


Bagheri:2012:FIS


BenMesmia:2021:DWV

Walid Ben Mesmia, Moh-amed Escheikh, and Kamel Barkaoui. De-vOps workflow verification and duration prediction using non-Markovian stochastic Petri nets. Journal of Software: Evolu-
Bardsiri:2016:DEB


Binkley:2016:SCA


Bai:2012:HMS


Bendraou:2012:APM


Baum:2017:CPC


Barbour:2013:ESF

Binkley:2015:IVN


Bian:2018:CHF


Bachmann:2012:ISD


Biro:2012:ETS


Bachmann:2013:ISA


Bavota:2018:ISI


Biro:2014:EAT

Miklós Biró, Richard Messnarz, and Ricardo


Bezemer:2014:DAP


Bai:2021:SPI


Bosc:2021:DRM


Bollin:2013:MQE


Borg:2016:TFT

REFERENCES

2047-7473 (print), 2047-7481 (electronic).


References


REFERENCES

Capobianco:2013:IIB

Canfora:2012:ESE

Canfora:2017:EFY

Campos:2016:SCK

Cholez:2014:MAP

Chitchyan:2017:USC
Charrada:2015:SRU


Calderon:2015:SPI


Choi:2015:ICF


Carroll:2018:SIS


Chen:2018:CRI


Chinenyeze:2017:BBD


**Concas:2013:SSM**


**Calvo-Manzano:2012:MPI**


**Chen:2020:DDC**


**Cataldo:2012:IGD**


**Cuesta:2013:ESU**

REFERENCES

Crabtree:2014:ESP

Clarke:2013:EEE

Colomo-Palacios:2014:USM

Carrozza:2015:DAM

Colomo-Palacios:2020:CRB

Cortina:2014:APO
Chatzigeorgiou:2013:CMS


Chatterjee:2019:UA


Cruz:2017:WFD


Chen:2013:DID


Cordy:2013:ESS


Couckuyt:2021:ESG


Juan M. Carrillo de Gen, Joaquín Nicolás, José L. Fernández Alemán, Ambrosio Toval, Sofia


REFERENCES


[DS17] P. Diebold and S. A. Scherr. Software pro-

Lopes:2015:SDM


daSilva:2012:EBM


Diebold:2018:HAD


Erich:2017:QSD


Elish:2013:SMQ


Espinosa-Curiel:2013:FEC


Espinosa-Curiel:2016:USS


Espinosa-Curiel:2018:ACC

Ismael Edrein Espinosa-Curiel, Josefa Rodríguez-Jacobo, Erika Vázquez-Alfaro, José Alberto Fernández-Zepeda, and Daniel Fajardo-Delgado. Analysis of the changes in communication and social interactions during the transformation of a traditional team into an agile team. *Journal of Software: Evolution and Process*, 30(9):

ElKoutbi:2019:EEE


Eddy:2018:ISW


Eze:2018:CBP

Evleens:2015:QFP

ElBeggar:2018:MDA

Elberzhager:2014:IIT

Erdogan:2018:MES

Feitosa:2017:IED

Fabijan:2018:EGE


Ghezzi:2017:SC


Garrido:2013:ECP


Gilal:2018:FEC


Gode:2013:SCE


Ghannem:2018:MRE


Gotel:2012:QIG


Gao:2020:UGM

[Shanquan Gao, Lei Liu,

Gao:2021:ARB


Geist:2018:TFS


Garzas:2013:CSS


Garousi:2016:WAS


Garcia:2012:MSP


Ghafari:2017:MUT

[Mohammad Ghafari, Kon-

[GSB+20]


[GSB20]


[GS12]


[GS18a]


[GWA15]


[GW12]
Huang:2014:EGE


Hacemi:2018:RPP


Haj:2021:AGT


Houston:2012:DPD

REFERENCES

[Holtmann:2016:IIS]

[Huang:2017:UDF]

[Hebig:2017:CBT]

[Hajnal:2012:DDA]

[Harder:2013:CCS]

[Heredia:2014:APA]

[Hale:2012:ETE]
Joanne E. Hale and David P. Hale. Evalu-

Helgesson:2012:RME


Hosni:2019:EFF


Holtkamp:2015:HSD


Huang:2015:ISP


Horcas:2018:CDR


Hyden:2018:MRH

Paul Hyden, Richard G. McGrath, Ira S. Moskowitz, and Stephen Russell. Managing risk in high assurance systems by optimiz-


Idri:2018:EPS


Idri:2018:SVR


Imtiaz:2017:DTA


Ilyas:2017:SIG


Ivanyos:2015:EGS


Iqbal:2018:PIU

[IZJG18] Md Shahrear Iqbal, Mohammad Zulkernine, Fehmi Jaafar, and Yuan Gu. Protecting Internet users from becoming victimized attackers of click-fraud. *Journal of Software: Evo-
REFERENCES

Jabbari:2018:TBD

Jaafar:2014:DAD

Jia:2018:GEF

Jalali:2018:HAA

Johansson:2012:ARP

Jagroep:2017:EEP
Erik Jagroep, Giuseppe Procaccianti, Jan Martijn van der Werf, Sjaak Brinkkemper, Leen Blom, and Rob van Vliet. Energy efficiency on the product roadmap: An empirical study across releases of a software product. *Journal...


Arif Ali Khan and Muhammad Azeem Akbar. Systematic literature review and empirical investigation of motivators for requirements change management process in global software development. *Journal of Soft-
Khelladi:2017:CMP


Korsaa:2012:SME


Kirbas:2017:RBE


Kienle:2013:ESI


Kuhrmann:2014:MSF


Kuhrmann:2016:UVO


 REFERENCES


Korsaa:2013:PAM


Kaynak:2014:ERI


Khan:2019:GRS


Kelemen:2012:ICM


Kulesz:2018:SGA


Khalsa:2018:ECP

Sunint Kaur Khalsa and Yvan Labiche. Extending

Kedji:2014:SCD


Khomh:2017:EGE


Kandil:2017:CBT


Kuang:2015:CMD

REFERENCES


REFERENCES


Koschke:2015:PSS


Kramer:2013:AMC


Kpodjedo:2013:SSE


Karim:2016:EIS


Kruchten:2013:CAS


Khan:2020:MDM

REFERENCES

2047-7473 (print), 2047-7481 (electronic).


REFERENCES

Lepmets:2015:DMM


Lema:2015:ISM


Lenberg:2019:MVS


Larrucea:2020:AEM


Li:2017:EOS


Li:2016:EL

<table>
<thead>
<tr>
<th>Reference</th>
<th>Authors</th>
<th>Title</th>
<th>Journal</th>
<th>Volume</th>
<th>Issue</th>
<th>Pages</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liu:2020:EFS</td>
<td>Geng Liu, Luigi Lavazza, and Davide Tosi</td>
<td>Evo-</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Lahmar:2018:MSC**


**Lago:2012:ESL**


**Lepmets:2016:DBM**


**Lamersdorf:2012:RBM**


**Lu:2018:IQA**

Lago:2017:ERC


Larrucea:2014:IAM


Larrucea:2019:CSC


Landman:2016:EAR


Larrucea:2016:EAI


Larrucea:2016:EAI

Larrucea:2020:MSD


Leotta:2016:RAG


Lagerstrom:2013:ISD


Liu:2016:WTV


Li:2012:IST


Mohammad:2012:CBD

Mittas:2020:DDB

Milewski:2012:ESI

Medini:2014:SAL

Mordal:2013:SQM

Mumtaz:2019:SUM

Miranskyy:2018:DEE
REFERENCES

Martini:2017:IAT

Mashkoor:2018:SFS

Miranda:2019:URE

Mens:2014:ECS

Mori:2018:SSM

McQuaid:2012:SDU
REFERENCES

Mora-Cantallos:2020:EPC


Moraga:2017:GGC


Moran:2019:TMP


Medina-Dominguez:2015:CTC


Mercaldo:2018:ESE


Mas:2012:LLI

REFERENCES


**Mesquida:2014:PMI**


**McHugh:2014:AAP**


**Mas:2016:ELL**

Antonia Mas, Antoni-Lluis Mesquida, Miloš Jo-

**MacMahon:2016:MAF**


**Minhas:2020:SMT**

(print), 2047-7481 (electronic).

Moonen:2016:EIS


Martini:2016:MCS


Munoz:2020:AIS


Majchrowski:2016:ESD


Mayvan:2020:BSD


Mashkoor:2020:SSC


Mezni:2018:SAS


McBride:2014:MAO


Monasor:2012:CLP


Manjavacas:2020:GSD


Newman:2017:SCS


Mahmood Niazi, Sajjad Mahmood, and Mohammad Alshayeb. GLOB: a global project manage-

**Niinimaki:2012:RCU**


**Neumann:2013:ISI**


**Nurcan:2012:ESI**


**Nicolay:2017:PAJ**


**Nicoletti:2015:OBT**

Olsson:2017:AHS

Olsson:2020:GDD

Ortega-Cabezas:2020:ARB

OConnor:2017:CSE

Ouhbi:2018:SRC

Ogasawara:2014:PPS
Hideto Ogasawara, Takumi

REFERENCES


REFERENCES

Papatheocharous:2014:EES


Perez:2016:FPC


Pracner:2017:ECT


Prause:2016:SPA


Papatheocharous:2017:IED


Perez-Castillo:2014:OBS


Perez-Castillo:2021:ARE

[PCCR21] Ricardo Pérez-Castillo, Danilo Caivano, Francisco Ruiz, and Mario Piattini. ArchiRev-Reverse engineering of information systems toward Archi-

**Perez-Castillo:2013:SMR**


**Perez-Castillo:2018:ESH**


**Paul:2021:NDL**


**Pomar:2014:USV**


**Plaza:2018:SAH**


**Parnin:2018:SEJ**


**Perkusich:2017:ACI**


**Pacheco:2015:PMR**


**Pries-Heje:2015:CCS**


**Polancic:2016:IRT**


**Pandita:2017:TDR**


**Pahl:2017:CAC**

Claus Pahl, Pooyan Jamshidi, and Danny Weyns. Cloud architecture continuity: Change models and change rules for sustainable cloud

Polgar:2014:PCM

Pfahl:2016:ISI

Park:2014:MSA

Paasivaara:2014:ACG

Pagliari:2020:ECP

Piri:2012:FDG
REFERENCES


References

Petersen:2014:EIB


Poth:2019:LAS


Pate:2013:CES


Qi:2021:EEO


Qusef:2013:ETC


Qiu:2015:IFB

REFERENCES


REFERENCES


REFERENCES


[RK18a] Rashid:2018:APG  

[RK18b] Rashid:2018:UAM  
Razavian:2014:LMS


Razavian:2015:SLR


Rajaram:2019:TBT


Reggio:2021:SOM


Robillard:2014:TST


Raninen:2015:ASP


Ruano-Mayoral:2014:MFA

Marcos Ruano-Mayoral, Cristina Casado-Lumbreras.
REFERENCES


REFERENCES

**Razaian:2016:TMH**

**Ryan:2016:SPC**

**Rafi:2021:RMD**

**Raschke:2015:WDA**

**Serebrenik:2017:FSS**

**Sultana:2021:USM**
<table>
<thead>
<tr>
<th>Reference</th>
<th>Citation</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>San14</td>
<td>André L. Santos. GUI code tracing through direct program interaction.</td>
<td></td>
</tr>
</tbody>
</table>


**Sanchez-Gordon:2019:IAD**


**Shatnawi:2015:DMT**


**Sirkia:2018:JKC**


**Shang:2014:ESE**


**Schrettner:2014:IAP**


**Salam:2018:CDG**

[SK18] Muhammad Salam and Sifat Ullah Khan. Challenges in the development of green and sustainable software for software multisourcing vendors: Find-

**Shameem:2018:PCA**

**Svajlenk:2015:BDC**

**Samalikova:2014:PMS**

**Sahin:2015:MTT**

**Saputri:2020:ASR**
REFERENCES


[SR19] Tilmann Stehle and Matthias Riebisch. A porting


Sturm:2012:SBP


Sneed:2020:CDS


Shafagatova:2021:DTP


Silva:2017:ICL


Schweigert:2014:AMM


Saini:2020:IDI

REFERENCES

Smite:2012:LLT


Sahin:2016:HDC


Shahzad:2012:PWP


Tufano:2017:ESD


Tan:2021:ETD


Teyton:2014:SLM

REFERENCES


Cristiano Tolfo, Raul Sidney Wazlawick, Marcelo Gitirana Gomes Ferreira, and Fernando Antonio Forcellini. Agile practices and the promotion of en-

**Ukor:2012:SSH**


**Uzunov:2018:AIQ**


**Unterkalmsteiner:2014:CFS**


**Usman:2020:AMB**


**Upadhyaya:2013:AMS**


**Ulziit:2015:CFC**

Bayarbuyan Ulziit, Zeeshan Akhtar Warraich, Cigdem Gencel, and Kai Petersen. A conceptual framework of challenges and solutions for manag-

[Unger-Windeler:2021:POC]


[Ural:2013:RTS]


[vandeGriend:2012:ITE]


[Vogel:2021:MAS]


[Vanya:2013:SSA]


[Varkoi:2020:VES]

Timo Varkoi, Timo Mäkinen, Frank Cameron, and Risto Nevalainen. Validating effectiveness of safety re-


REFERENCES

Weber:2018:ACD

Wilde:2018:MTV

Wnuk:2015:EFA

Wang:2014:HDP
White:2013:MSO


[WR+13]

Wilcox:2014:OBA


[WSB14]

Wolski:2018:SQM


[WWKC18]

Wang:2021:TMA


[WWQ+21]

Wang:2013:ELK


[WYW+13]

Ward:2017:FSP


[WZ17]
REFERENCES


**Zhang:2013:FSB**


**Zhang:2014:ESE**


**Zhang:2021:IDL**


**Zanoni:2014:PDC**


**Zugal:2012:TEL**


**Zhang:2014:SPS**

[ZRB+14] He Zhang, David Raffo, Thomas Birkhölzer, Dan Houston, Raymond Madachy, Jürgen Münch, and Stan...

Zhou:2016:CTM


Zhang:2018:TRO


Zhang:2020:GMT


Zhang:2020:PBS