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

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**Title word cross-reference**


- **algorithm** [BSB16].


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

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

5 [GCMS14, RMOP20].

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

9 [LSBV17]. 9126 [ADCG12].
DRW14, KJS+13, LM18, PUWS21.  
Approaching [GCPM19].  
Archimate [PCCRP21].  
ArchiRev [PCCRP21].  
Archirev-Reverse [PCCRP21].  
architects [VKPvV13].  
architectural [CNPR13, MB17, SAPF22].  
ar丘ecture [AJP14, Bab12, LGNEAO20, LLSA22, NSDP15, OEC17, PJW17, WRC+13, YYY+22].  
ar丘ectures [MKMW18, PJW17, PDP18].  
Archive [MCSGBSA20].  
Arg [KLWA20].  
arguments [KLWA20].  
art [GS18b].  
artifacts [KLWA20].  
arguments [AAJE13, BJF12, JMR18].  
arguments [AAJE13, JMR18].  
aspects [AY20, ABG18, ASG18, AN17, DRM21, KJ14, KCH+17, KMH+15, LMB16, NSDP15, OEC17, PDP18].  
assessments [CRP14, VMCN20].  
assessor [ISK15].  
assets [ANO21v].  
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assignment [KRR+16, LMDVT+12, SBS20, ZKN+21].  
Assisting [PAGP17].  
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assurance [BW18, HMMR18, LML+18, Pot16, PBDJ16].  
asynchrorny [JGHA14].  
Atlas [SNP22].  
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attributes [NBF18].  
av(Exceptional) [GP16].  
Automated [AMB18, HBG21, MBD+22, MLM16, PPDG20, VMSH13, WFB+18, dGNFAT17, NBD17, UIK20].  
Automatic [FHS13, WPVS14, XBS+21, NBCM17].  
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Autonomic [Kra13, MKMW18, NRBI3, NGAEE22, SSB+20, VKC+21].  
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balance [HD17].  
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based [AMH15, AAM+20, AIA20, AKM+21, ASACG13, ABQO14, ADFT16, AL15, AI21, Ano21v, APL+14, AYB+18, BMM19, BH16, BSEA14, BCD16, CDO+13, CS19, DRW14, DMT13, EKG18, EIA19, EMRF14, EKP18, FTW16, GLL+21, GGBEM18, GP16, GA20, GEK14, GKHE18, dH13, IAA18b, JbAPT18, KMB17, KOT16, KZH21, KKK+21, KST14, KFY13, LMDVT+12, LGNEAO20, aRL21, MKA20, MPS+16, MA12, MCL+18, NHLT17, NSDP15, OEC17, PDP18, PMT20, PCCP14, RLMC19, RCL19, SLHS18, SDWA20, SKWD15, SKTW14, SG20, SSB+13, TKS+14, UIK20, WSB14, YZT22, ZKK13, ZWY+20, ZLM+21, ZLW22, dSPF+12, dGNA+16, dGFAT17].  
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behavior [JMCC18].  
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Behaviour-driven [CLAD17].  
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better [KL18, NXC13].  
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blocks [AAJE13, JMR18].  
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bottlenecks [PRNR14]. bounds [BGV18].
BPaaS [HMB22]. BPM [CV21, GCPM19].
BPMN [AYB+18]. BPMN-based
[AYB+18]. Brazil [GdOK18]. BS
[GGGBEM18]. BSCBAS [dH13]. Bug
[WL16, ATR+17, DRM21, NHLTL17,
RHD+16, SBS20, SAK17, WPQ+21,
WSB+21, ZTGG16]. bug-assignment
[SBS20]. bugs [DRW14, KRR+16, XLWZ15].
Build [DBP22, NH14]. building [CKP15].
bulk [MA20]. Business [Kos21, ARD+12,
CPMS+14, DMS12, GNI18, HBG21,
JMR18, LWY+16, NSBR12, PCCP14,
PPdAPP21, RLR21, Sch12, SZ12, Stu12].
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C [HD17, BGM20, GJ13, LSBV16, LSBV17].
Can
[KMH+15, TPB+17, Kra13, PPdAPP21].
capabilities [FDM+18]. capability [Cao12,
GdOK18, Sg20, UC12, WcS14, SKT14].
care [EKP18, PDP18, WFB+18]. Case
[TGE17, AIA20, AY20, Ano21b, AN17,
BLOZ18, Babw12, BCSS18, EKV15, GP13,
HD17, HZ14, KF1Y13, KO13, LS13,
MKA20, MGUA14, MPB16, MMPN20,
MBMR19, NH14, OCSBDBP20, PMT20,
PCCRP21, PCMCAC14, RGS+15, RCL19,
RMOP20, RBE+21, SDG21, TFAL21, TG20,
TMD21, VV15].
case-based-reasoning-based [AIA20].
cases [GRK17, KMB17, PPPdG20]. catalog
[PGCMA15]. Category [KL18]. causes
[RF16]. CC [LSBV16, LSBV17]. centered
[GD21]. centric [NBD17, WPXZ13].
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Challenges
[AM20, CkR18, CDMNSdCM+14, IK17,
SK18, AKKM20, Capi13, GF+20, KHR18,
KJ14, KHZ21, KKK+21, KMP22, PUWS21,
SKK+18, UWPQ15, MVRP20]. challenging
[KS20]. Change [PJW17, AMA+20,
AKKM20, AMH+20, ASK+21, Ano21q,
CMCG+12, CDMNSdCM+14, CS19,
ETT+21, EAK13, Ghe17, HLP15, JGHA14,
KP1H12, KA20, LHE18, PHJ15, SSB+20,
YHT22, ZHC+18, ZLW22]. change-level
[ETT+21]. change-prone [EAK13].
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changes [Bol13, Cks18, EAK13,
ECJ+18, HCL+17, JRS13, JPW+17,
SAPF22, THP+16]. changing
[HD17, RM22, Rya16]. characterisation
[GCPM19]. characteristics
[SVK+14, WSB+21]. Characterizing
[SAEH16, TBP+17]. check [LP17].
checking
[AGM22, FHS13, LHA+16, NHLTL17, NL18].
Choice [KL18, NPLP12]. Choosing
[PJH15]. class [AI15, MPSM22]. Classes
[SVB+17, EAK13, SAC21]. classical
[HD17, SKR15]. Classification [APJ14,
GJC+18, NNN20, RLMC19, ZTGG16].
click [IZJG18]. click-fraud [IZJG18].
client [AMA+20]. client-vendor [AMA+20].
Clone [Cks18, PTK13, BKZ13, GJK13,
Kos14, SSL15, SKR15]. Cloned [HG13].
clones [KR15]. cloning [PCP18]. Cloud
[EKP18, PJW17, AKM+21, CLAD17,
FHS13, KKK+21]. Cloud-based
[EKP18, AKM+21]. Cluster
[DRT13, KMB17, JMCC18]. Cluster-based
[DRT13, KBM17]. clustering
[AI21, AFK22, CKP15, LS19, PCCP14].
clustering-based [AI21]. clusters
[SJG+14, CMMI
[GP13, GCM14, ROMP20]. CMMI-DEV
[RMOP20]. Co [dGNA+16]. Co-located
[dGNA+16]. coaching [PL14]. Coadapting
[KBH17]. COBOL [HF12]. Code
[ARSH16, KLG17, SVB+17, WPVS14,
AVC20, AM16, BHLQ16, BGM20, CLC14,
DRGP13, GDJ+18, HI13, HCL+17,
JPW+17, KMH+15, LHE18, MLM16,
MdGC+17, NBCM17, OKO+17, PC18,
P18, QB0+13, RA15, SLHS18,
SWT+16, San14, SAPF22, SLVOP18,
SLL+21, SAK17, XBS+21, YFF+22.
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comments [MBD+22]. comment [RYZ+15]. Commit [BKS+17]. commits [GFKH18, TBP+17, WG18].
communicated [SJA+14]. communication [ECRJVA+18, NPLP12, PK14, RBE+21].
communicators [UWKR21]. communities [RCO20]. community [EKP18]. companies [ALK+17, BO21, FDM+18, GP13, LCMCPA15, MPB16, OTM18]. company [GCMS14, MFA12].
construction [Ano21a, GDJ18, NBCM17, TPK+21]. consultancy [GCMS14]. consultants [GdOK18]. consumer [HB16].
controlled [QBO+13]. conversation [BAAO+20]. coordinated [SR19].
coverage-based [CS19]. Crafting [Kuh15].
CRAN [MCSGBSA20], crash [NHLTL17], Creating [Sir18], Creation [RFM16], crisis [ZCL+18], criteria [HB16, IAA18a, KKT12], criterion [KL18], critical [BZ21, CPR15, CPSGAA20, JN12, LYL+12, MSBE20, SLMW21, Wal18], criticality [DGVP21], cross [CMQ+20, HH12], cross-project [CMQ+20], cross-section [HH12], crosscutting [BCM+20], crossroads [ZRB+14], crowd [CdSdAM16], CrowdRE [KLWA20], CrowdRE-Arg [KLWA20], Crowdsourcing [ZKN+21], CSCW [TNLJ+17], CSMR [Ano13, FKW13, MC14], Cultural [MVP12, BABW12], Current [BCPM20b, KKT12, LM18, SN14], currently [DT18], customer [KJ14, KPG14, RMAB15], customized [LMdVT+12], cyber [BZ21, BGV18, BMS21, CYK20, GdSC21, MSBE20, PmT20, PDP18, RMP+20, TMDE21, ZIDM20, ZIDM21], cyber-physical [BZ21, BGV18, BMS21, GdSC21, MSBE20, PmT20, PDP18, TMDE21], Cybersecurity [Wal18, MBMC18], cycle [AÖAG16, Sch12, ZPW12], cycles [Hon14, MPM+20],

data [MA20, VBMH22, AIA20, AI15, Ano21t, CYK20, CSGR17, GA20, JSI+22, KKK+21, KMH+15, LHEG18, RL14, Stu12, SKR15, ZPFV14, ZTGG16, CS13],
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debt [CWBC17, LSFG20, MB17, TFAL21, ZBGH22], debugging [Ano21q, CS19],

December [LSBV17], decision [Ano21v, El 18, FPA17, GP16, HB16, JMCC18, KS20, aRL21, dSLBF15, WKB+15],
decision-making [Ano21v, JMCC18, KS20],
decision-support [GP16], declarative [ZPW12], decomposition [SL20, VKPvV13], deep [ZLM+21, ZLW22],
deep-learning-based [ZLM+21], Defect [CPR15, Ano21u, CMQ+20, ETT+21, RLMC19, SLL+21], defective [CMQ+20],
Defectivity [HH12], defects [HLWL15, JWP+16, KCH+17], define [MA20], definition [KPG14], delivery [RG+15], Delta [AMH15], Delta-based [AMH15], delas [DCVM20], demand [HF12], demand-driven [HF12],
demonstration [SGD+13], demonstration-based [SGD+13],
dependability [ZYW+20], dependence [DRW14, SJ+14, UY13],
dependence-based [DRW14], dependences [APL+14, yCP12],
dependencies [BPKZ16, KMH+15, LHEG18, SS18],
dependency [Ano21q, BPKZ16, JbAPT18], dependent [HMB+18], dephrase [JGHA14],
deployed [SPC16], Deployment [ETT+21, NSBR12, PGM21, RGS20],
derivation [OMTR12], Deriving [JSI+22, Sha15], descriptions [DS17, LLLLW18],
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Detecting [ATR+17, BMZP14, JGHA14, CKS18],
detection [AAG21, BCD14, CS19, GK13, Ko14, MRJ20, MAMN19, PCL21, SL15, SKR15, Wan21, WFB+18, ZPFV14],
detectors [SKR15], determining [DRW14],
DEV [GP13, RMOP20], develop [GJC+18],
developer [CSGR17, DRM21, KRR+16, TBP+17, WWQ+21], developer-related [TBP+17], developers [BCSS18, KGPH12, KTHS16, MGN18, WPXZ13, XLWZ15],
Developing
[ASG18, AL15, HH12, RMOP20, VMCN20].

Effectivity [Pot16]. efficiency
[JPvdW17, LSW13, RMOP20]. Efficient
[ARSH16, ACM14, SSL15]. Effort
[Ano21a, QB21, RCL19, TGE17, AL15, AI21, Ano21r, AN18, BCC15, BH16, EIA19, GS18b, HOJ15, HIA19, IAA18a, IAA18b, KFY13, LHA16, MA20, MA20, PBSA17, TUF20, vdGK12].
electronic
[OCCSBDBP20]. electronics
[HB16]. elicitation
[AL17, DFGP18, SDWA20, SL20, YAMM22].

Embedded
[BSEA14, BO21, DT18, MPB16, OB20].

embedding [SLL19]. Embracing [GJ13].

Emerging
[BW18].

Empirical
[ABG18, AAJE13, AAYK20, CAA21, EIA19, HSvG17, LSvB16, LSvB17, PA14, AAM17, ALK17, AVC20, ALK20, AG21, BKZ13, CO13, CWBC17, CV21, CNS14, FQA17, GFK17, GdOK18, JPvdW17, JRSS13, KRR16, KA20, LMB12, LGS16, LML17, NXC13, NMA17, PCP18, RHD16, SS18, TB17, VMHS13, YAMM22, ZKH14].

employing
[MPB16]. employment
[dSVB22]. empowering
[MMJB16].

Enabling
[PB17]. enactment
[THP16].

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[LGNEAO20].

Energy
[JPvdW17, FAA17, SWT16]. engine
[OCCSBDBP20]. engineered
[GAA18].

Engineering
[OP14, PMT20, PP14, RRDPD13, AIA20, ARD12, ATR17, AHC21, BSEA14, BJF12, BCPM20b, Bor16, BDB18, CKR18, GKHE18, GPT12, GWA15, HBM16, JW12, KÓ16, KFT14, LMB12, LP17, LFT19, LHIE18, MAD12, MBMR19, MPM16, OEC17, OMTR12, PCCR21, PNIL12, Pri12, RPZ14, RPV12, RBE12, RDD12, RBG15, SKWD15, SL20, WKB15, YFL14, dGNNAT17, dSVB12].

engineers
[MVP12, PPdAPP21].

enssembles
[Ano21r, HIA19].

Ensuring
[TMDE21]. enterprise
[PGM12].

enterprises
[ABU16, ABG18, CG14, ECRJFZ16, LCMCPA15, POI16, SG20].

entities
[HCL16, MPS16, MPPI20].

trepreneurial
[TWFF18].

tropy
[EIA19].

tropy-based
[EIA19].

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[CS13, Ano21t].

evironment
[AN17, SKK18].

evironmental
[JMCC18].

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[GGGEM18, PSM19].

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[NLNL20].

erosion
[LLSA22].

Error
[LHA16].

estimate
[BH16].

Estimating
[AI21]. estimation
[AI21].

Evaluating
[HHA12, HIA19, IAA18a, QBO13, ISK15, JS122, SBS20].

Evaluation
[VBHM22, WPVS14, AN18, Bab12, CLAD17, E18, EIA19, ECRJFZ13, Gal20, HHW12, LMDVT12, LB13, MBP12, NSBR12, RMP12, UGI14, VMCN20, VMHS13, WSC14, YTT22].

Event
[BAA120].

events
[ZCL18].

Evidence
[Ano21v, PA14, dSPF12]. evidence-based
[Ano21v, dSPF12].

Evolution
[CNP13, KDK13, LTL20, MAzGB18, MCGBSA20, PP18, QVR21, TFAL21, AJP14, BZ21, BH16, BCD13, CDR12, CKG15, CS13, CKS18, CPSGAA20, GLL10, GK13, GG14, GBRHO14, HH12, KRG13, KKW18, LGS17, LLLW18, MDV18, MP16, NXC13, PT13, RHL15, SJA14, SR19, TWL11, WYW13].

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[BH16].

evolutionary

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exhaustive [KGW13]. Experience [AÖAG16, BMP13, De 15, KK14, BRDL21, HOD+14, LSCP16, PML20, SV20, TKS+14, TP21, WWKC18]. experiences [BMP13, BMCP14c, LS19, RBFM15].

Execution [AL15, De 16]. Experimentation [FDM+18]. experiments [BAAO+20, QBO+13]. expert [MKA20, OCCSDBP20, RHD+16].

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Fear [PNL12]. feasibility [KFT14]. Feature [DRGP13, Ano21r, BDGR12, EK14, HZ14, HCL+17, LYL+12, LLLL21, MLM16, WPXZ13]. features [YYF+22, YZT22]. feelings [GWA15].


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FLOSS [GGRH104]. flow [QSM15].

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fragmentation [CSGR17]. Framework [SS18, AMH15, AAM+20, AAM+21, AKM+21, AKHL20, Bab12, BCC+15, BLGZ18, Bor16, ECRJFZ13, KLWA20, KH21, KMP22, KO13, LS14, LCM+15, LMC16, LB13, MMK16, NMA20, NBF18, OKA14, PKY14, RMCLGAM14, SDA20, TGE17, TNLJ+17, UWGP15, UGI+14, ZIDM20, TST17]. frameworks [YT22].

Fuzzy [AIA20, ASK + 21, AI21, El 18, HIA19, KKK + 21, RAM + 22, Yag18]. fuzzy-TOPSIS [KKK + 21].

game [PVA + 21], gamification [AM20].
geanealogies [BKZ13], generalized [Hou14].
generate [GA20], generating [LSRT16].
generation [HBG21, MMPN20, NRB13, PPPdG20, UIK20, XBS + 21]. generator [BBG20]. geographic [CN12].

German [PBDJ16]. getting [GKS + 12]. GitHub [GFKH18, LML + 18, ZWW + 20].

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goal [SVA + 22]. goal-driven [PGM21, SZ12]. Goals [PVA21].

Going [OB20]. good [NEU + 19].

Governance [SK15, MVRP20, PPAPP21].

grammar [AH17]. graph [BCD14, CKP15, YY + 22]. graphs [QSM15].

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Group [RMOP20, ASG18, KMP22, MPB16].

Grouping [JMCC18]. groupware [Bab12].

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GSEPIM [KKK + 19]. guardian [KKW18].

Guest [CCL14, GW12, HZR16, KLG17, MC14, RBM16]. GUI [AMB18, San14].

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Health [BNA21, RGR20, OFAT + 18, PDP18, RLMC19, CKR18].

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hemodialysis [LHR18]. heuristic [GA20].

hierarchy [AKKM20, ASK + 21, AK + 21, KS20, KHH21, SSK + 18].

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Horizontal [HZ14, UC12]. human [ABG18, WPXZ13].

human-centric [WPXZ13].

Hybrid [BHJ21, HAS21, ADH20, FPA17, JMR18, OTM18, PUWS21, RAM + 22, SGAP14, TPK + 21].

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I/O [BMZP14]. ICONIX [LLT20]. ICPC [RBM16].

ICSM [CT13]. ICSSP [HAS21, KOPR17, PKBT16, RPZ14]. idea [NRB13].

Identification [KKK + 21, ANO21v, HCL + 17, LMdVT + 12, PRNR14, RAS + 13].

identifier [GDAG13]. identify [CMQ + 20].

Identifying [CKP15, GFKH18, KTKT12, QSM15, SVB + 17, ND20]. IEC [LSCP16, MFA12, MM4, MPM + 20, PHJ15, RFM16, SGSGYO19, TKS + 14, VNM14, WCS14].

IEEE [PF18]. II [GS12]. Image [GS18a, RAJ18a, XBS + 21].

image2emmet [XBS + 21]. imbalanced [ANO21u]. Impact [EKG18, SJG + 14, BL15, BAWB12, CN12, HLLW15, LHEG18, PJ16, SWT + 16, SVSC20, SS18, TWL + 21].

impacts [PCP18]. imperfect [ANO21q, CS19].

implementation [AMA + 20, CsZZ + 13, FMC + 15, KK14, LCMAPP15, Nia12, Nia15, RYA + 21, SGSGYO19, SS18, SDWA20].

implementations [MPM + 20].

Implementing [PVA + 21, SDG21, AOAG16]. implications [HSvG17, WCS14]. improve [AMA + 20],
DCVM20, McQ12, RMAB15, VKPvV13.

**improved**
[ARD+12, PCMCAC14, SDWA20, SAK17].

**Improvement**
[BM12b, BMCP16, GSB+20, AM20, ABG18, BMP13, BMCP14a, BMCP14b, BMCP15, BCPM19, CKMN15, CMCG+12, CKP15, CG14, CCUP21, CO13, CPMS+14, ECRJFZ13, GPM+12, GP13, HHW12, KK14, KKT12, KKN+19, KJS+13, Kuh15, MBMCP18, MM14, Nia12, Nia15, NEU+19, OKA14, PGAP17, PSMM19, RAS+13, RMP+20, SSA15, SG20, TGE17].

**Improving**
[BM12a, BM13, CDO+13, LYL+12, THP13, VvV14, ZLM+21, dH13, Kos21, MMK16, UFF18].

**imputation**
[AIA20, IAA18b].

**incident**
[VvV14, VvV15].

**incomplete**
[AIA20].

**inconsistent**
[CKS18].

**Increasing**
[LSW13].

**Incremental**
[Kos13, GK13].

**indexed**
[LLLL21].

**indexing**
[CDO+13].

**India**
[SW12].

**Indian**
[CCUP21, SG20].

**indicators**
[GKS+12].

**individual**
[JMCC18].

**inducing**
[TBP+17, ZKK13].

**Industrial**
[BMP13, AY20, BMCP14c, ETT+21, KCH+17, LSW13, LS14, PCCRP21, RL14, SK18].

**industry**
[BCPM20a, CCUP21, CWBC17, GFK+20, MDSSM15, MAL+13, NGvD12, RBE+21, SSA15, SSB+20].

**industry-academia**
[RBE+21].

**inferred**
[MBMR19].

**influence**
[ECRJFZ13, RTCL16].

**influencing**
[JMCC18].

**informal**
[DMS12].

**Information**
[Ano14a, Ano14b, Ano14c, Ano14d, Ano14e, Ano14f, Ano14g, Ano14h, Ano14i, Ano14j, Ano14k, 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, Ano21d, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano21n, Ano21o, Ano22a].

**Information**
[Ano22b, Ano22c, Ano22d, Ano22e, Ano22f, Ano22g, VvV15, WL16, CG14, LHIE18, PCCRP21, RGRS20, SJA+14, VvV14].

**informed**
[Gal20].

**infrastructure**
[HOD+14].

**infrastructures**
[FHS13].

**inhibitors**
[SS18].

**initiatives**
[CPSGAA20, KKT12, SS18].

**Innovation**
[BMCP16, BCPM19, MBMCP18, NRB13, RDD+12].

**insertion**
[PCL21].

**inspection**
[CKS18, EMRF14, MFCP14].

**INSPEX**
[BRDL21].

**instructions**
[Bor16].

**Integrated**
[HBM+16, BM13, BMM19, ISK15, RDD+12].

**Integrating**
[EMRF14, KTYK16, THP+16, VNM14].

**Integration**
[SKTW14, SGSGYO19, vdGK12, IK17, KLC+14, SG20, WG18].

**Integration-based**
[SKTW14, SG20].

**integration-focused**
[KLC+14].

**intelligence**
[MSK18].

**intensive**
[AAA13, KGW13, OB20, ZPFV14].

**intentional**
[NBD17].

**inter**
[Kos14, MPB16].

**inter-group**
[MPB16].

**inter-system**
[MPB16].

**interaction**
[CSGR17, MPB16, MMPN20, Sun14, WWQ+21].

**interactions**
[DRM21, ECRJVA+18].

**interactive**
[BDGR12].

**interface**
[LLLL21, XBS+21].

**Internal**
[LML+18].

**International**
[KDK13].

**Internet**
[BNBA21, IZJG18].

**interpretation**
[NSDD17].

**interpretive**
[AHKL20].

**interprocedural**
[yCP12].

**interrupts**
[KTHS16].

**introducing**
[OKO+17].

**Introduction**
[BMC18, FKW13, GGPT12, KÔ16, KOPR17, MP16, PKBT16, GW12,
HAE14, HZR16, KLG17, RBM16, Wan21.

Investigating [DGVP21, FAA+17, SVSC20, JWP+16].

investigation [CPR15, JRSS13, KRR+16, KA20, LML+18, PBSA17, ZBGH22].

Involving [Lin15]. IR [CDO+13].


ISO/IEC [LSCP16, MFA12, MM14, MPM+20, PHJ15, SGSGY019, TKS+14, WCS14].

ISO/IEC [LSCP16, MFA12, MM14, MPM+20, PHJ15, SGSGY019, 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, Ano21b, Ano21c, Ano21d, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano21n, Ano21o, Ano22a]. Issue [Ano22b, Ano22c, Ano22d, Ano22e, Ano22f, Ano22g, BMP13, FKW13, KLG17, KOPR17, PKBT16, RBM16, Ano13, BCM18, CKR18, CLC14, HAS21, KO16, KDK13, MC14, MAD12, MP16, NSBR12, PP14, RPZ14, SA17]. issues [DGVP21, LM18, MVP12, SN14].

IT-supported [NRB13]. items [ZBGH22].


Java [AAYK20, LSBV16, LSBV17, SAC21, TFPB14]. JavaScript [NSDD17, SVB+17].

joint [PGM21, RBE+21]. journal [CDR12, PF18]. Jsvee [Sir18]. just [HZ14].

just-in-time [HZ14].

Kanban [ALK+17, SDG21]. KASL [GS12]. KASL-II [GS12]. Kelmu [Sir18].

Java [AAYK20, LSBV16, LSBV17, SAC21, TFPB14]. JavaScript [NSDD17, SVB+17].

Java [AAYK20, LSBV16, LSBV17, SAC21, TFPB14]. JavaScript [NSDD17, SVB+17].

just-in-time [HZ14].

Kanban [ALK+17, SDG21]. KASL [GS12]. KASL-II [GS12]. Kelmu [Sir18].

knowledge [BABW12, PPdAPP21, ATR+17, AJP14, CdSdAM16, CCUP21, CPMS+14, CNS14, CNPR13, GS12, LLLL21, NEU+19, RCO20, RHD+16].

label [MAD+14]. Labelling [ZCL+18].

Language [BZ21, dGNA+16, HAN22, SN22].

languages [Ano21p]. LAPP [RAS+13].

Large [Kos14, ASA+20, AHH17, AAA13, DRM21, KHR18, KCH+17, KRG+13, LSBV16, LSBV17, MPB16, PRNR14, Pot16, SSM21, SSL15, SJA+14, TUF20, WKB+15].

Large-scale [Kos14, ASA+20, SSM21, WKB+15]. late [BKZ13]. latent [EKG18]. law [SP22].

laws [GBRH014, GG14]. Layer [OB17]. LDA [BHL16]. lead [WKB+15]. leakage [LHA+16].


Lehman [GG14]. Lessons [MFA12, MMJB16, SW12, BMCP16, CRP14, NGvD13, RGS+15, RBFM15, VPK+V13].

Level [RMOP20, ETT+21, SKWD15, TST17, UIK20]. levels [GCMS14]. leverage [NRB13]. leveraged [BMCP14b]. LHV [Ano21b].

library [TFPB14]. life [AOAG16, MPM+20, SDWA20, Sch12, ZP12].

life cycle [ZPW12]. lifecycle [NSBR12].

lifetime [Ano21s, BPKZ16]. light [RAS+13]. light-weight [RAS+13].
lightweight [CC13]. limit [CLMZ13]. line [HOD+14, KFT16, LHIE18, NBD17, OMT12]. linear [AL15]. lines [BSEA14, BSB16, CGN17, Gal20, QVR+21].

linguistic [MVP12]. Linux [NH14, WYW+13, WG18]. literal [PCL21].


matter [GKS+12, GA15]. Maturity [CG14, KJ14, SKTW14, ASG18, GdOK18, GGPT12, GGG12, GCMS14, HHW12, Kos21, PPdAPP12, RMOP20, SVK+14, SG20, TST17]. MDE [ABQO14]. MDE-based [ABQO14]. MDevSPICE(R) [LCM+15, LMC16]. mean [RL14].


Methodology [CMCG+12, BCC+15, FPA17, KST14, PRGP12]. methods [AG21, AAJE13, BRDL21, BGM18, CMQ+20, EI18, FQA17, HHW12, LSVB16, LSVB17,
PJS+17, QBO+13, RGS+15, RK18b, SAC21, TKK+21, ZW+20, ZKN+21, ZHC+18.
Metrics [Bo13, VC+21, AVC20, CS13, EAK13, KFY13, MRJ20, MA+13, PGAP17, SVSC20, Sha15, SA+16, SAC21].

migrating [FHS13]. migration [NGvD13, RL14, RL15, SV20]. migrations [TFPB14]. milestone [ZWW+20]. minds [RTCL16]. mined [LLLL21]. Mining [BCD16, GRK17, yCP12, JGHA14, JPW+17, PJ17, RA15, SKTW14, UTZ13, ZTGG16].
model-based [BSEA14, GGBEM18, UIK20].
model-driven [AMH15, Ano21p, BJF12, DP15, HD17].

Modell [KFT16]. modelling [AHK10, CS19, FZW+18, PMT20, RLR21]. models [ABB14, AG21, Ano21t, DS17, HAN18, HNW12, KTYK16, KLC+14, NL18, PJ17, PCCRP21, RRDPD+13, VMSH13, YT22, ZKJ12]. modern [KJS+13].

nonfunctional [SGD+13], nonlinear [Wan21], nonradial [Ano21t], nonterminating [WZ17], normalization [BL15]. Norway [SDWA20], Norway-based [SDWA20]. noun [CDO+13], noun-based [CDO+13]. nuclear [CDO+13], noun-based [CDO+13].


Practical [BGV18, RAS+13, RBFM15]. practice [EAD17, GGGEM18, GdOK18, MGW+17, OKA14, PA14, SKTW14, SZ12, UWKRS21].

Practices [KHR18, BABW12, CWBC17, HGGASVD14, JW12, MPS+16, MGUA14, MMC14, RAM+22, RK18a, SSA15, TWFF18].

Practitioner [ALK+20], practitioners [BKS+17]. Pred [IAA18a], predict [EAK13]. Predicting [Ano21s, APL+14, SAC21]. prediction [AG21, Ano21a, Ano21u, BEB21, CMQ+20, ETT+21, LHEG18, SLL+21, YZT22, ZHC+18, ZLW22]. predictions [KTYK16].

Predictive [HMB22]. predictors [TUF20].

Preface [KR15]. prefactoring [SLHS18].

principle [SKTW14]. prioritization [BLGZ18, KMB17, KH21, KKK+21, LYL+12]. prioritize [ASK+21, SLHS18].

Prioritizing [SKK+18, Yag18]. proactive [RCO20]. probabilistic [NL18].

probability [CS19]. problems [KJ14, KKT12, MVP12, RF16].

Process [BM12b, BMCP15, BMCP16, GSB+20, Jun12, PK14, RDD+12, RRDPD+13, SKTW14, SZ12, VBMH22, Abu16, AMA+20, AKKM20, ASK+21, AKM+21, ABB14, ABQQ14, AM20, ADH20, ABG18, Bab12, BHZK12, BMM19, BKS+17, BJF12, BMP13, BMCMP14a, BCM14b, BCPM19, BCPM20b, BS16, CKMN15, CMCCG+12, CKP15, CG14, CCUP21, CO13, CLMZ13, CNS14, De 15, De 16, DMS12, DS17, Dow14, ECRJFZ13, Gall20, GGGEM18, GPM+12, GP16, GP13, GdOK18, GGPPT12, HAN18, HD17, HHW12, HLW15, JMR18, JN12, KK14, KLC+14, KKT12, KKN+19, KS20, KA20, KHZ21, KBH17, KJS+13, Kos21, KMP22, Kuh15, KFT16, KFYI13, LCM+15, LMC16, LYL+12, LHA+16, Lin15, aRL21, LLT20, MBMCP18, MV14, MA12, Nia12, Nia15, NEU+19, NSBR12, OMTR12, OKA14, PCCP14, PJ16, PSM19, RAS+13, RMAB15, RF16, RLR21, SDWA20, SGSGYO19].

process [SL20, Sch12, SN14, SV21, SGAP14, SKK+18, SG20, SBPS12, Stu12, THP+16, UC12, VMCN20, WCS14, WPXZ13, WWQ+21, ZKJ12, ZRB+14, ZWK18, ZYW+20, HAN22, PF18, CDR12].


product [BSEA14, CGN17, GGPIT12, HOD+14, HBH12, JPVdW+17, LHI+18, NBD17, OMTR12, PBDJ16, QVR+21, RDD+12, UWKRS21].

Production [NSDP15, SPC16, TMDE21]. productivity [AN17, AN18, GWA15, HOJ15].

products [BPKZ16, KGW13, SW12].

profi [MCL+18, MPM+20]. profiling [HBH12].

Program [GAA18, RBM16, BMC18, KKI4, KFYI13, MM14, PA16, San14, Si18, WZ17, WSB14, ZKK13]. programme [MAF12].

programming [AAJE13, yCP12, LLLL21].

programs [MdlRT19]. progressive [PBSA17]. Project [AN18, AHA17, ADH20, Ano21a, Ano21t, AN17, CMQ+20, Dow14, GBRHO14, MGUA14, MMJB16, MM14, NMA20, PCP18, PCMCA14, Pri12, RGS+15, RBE+21, SDWA20, SSB+20, dSPT+12].

projects [AAM+20, AHA17, AIA17, BM21, BCSS18, CKMN15, Cap13, CN12, DFGP18, GKS+12, JWP+16, JMCC18, LMdVT+12, dSLBF15, NPLP12, PGAP17, PFdAPP21, PNL12, QB21, RCL19, SS21, SAC21, Yag18, dSV+22].

PROMETHEE [El 18]. promotion [TWFF18]. prone [AAYK20, EAK13]. proneness

qualitative [EAD17, LHR18]. Quality [GKS+12, RMP+20, YT22, CN12, GLL+21, HBB12, JWP+16, LML+18, MRJ20, MDV+18, MAL+13, NBD17, Pot16, SSA15, UFF18, VMSH13, WWKC18, YFL+22, ZKZH14]. quality-centric [NBD17]. quantification [ADCG12]. Quantifying [EKV15, Bol13, EAK13]. Quantitative [Ano21t, Gal20, LHR18]. quantum [HMB22]. questions [Ano21c].


Requirements [DFGP18, ARD+12, AMA+20, AMH+20, ASACG13, AL17, AHC21, BCPM20a, CKG15, GGPT12, HZ14, HBM+16, JRSS13, JN12, KLI20, KA20, KST14, KMH+15, LHA+16, OFAT+18, PGCMA15, PVA+21, SDWA20, SL20, TNL+17, WCS14, WKB+15, dGNA+16, dGNFAT17].


Requirements [DFGP18, ARD+12, AMA+20, AMH+20, ASACG13, AL17, AHC21, BCPM20a, CKG15, GGPT12, HZ14, HBM+16, JRSS13, JN12, KLI20, KA20, KST14, KMH+15, LHA+16, OFAT+18, PGCMA15, PVA+21, SDWA20, SL20, TNL+17, WCS14, WKB+15, dGNA+16, dGNFAT17].
semantics [WZ17], sensitive [ARSH16],
sensitivity [Jun12, LHA+16], sentence [MLM16], sequence [GAA18, LCMCPA15, SN22, YYF+22],
series [HH12, RHL15], Service [BMCP16, UC12, ARD+12, AMB18, Ano21p, AYB+18, BCPM19, MKMW18, NGvD13, RLR21, Sch12, UTZ13, VvV15, WRC+13], service-oriented [ARD+12, RLR21], Services [BM12b, ARD+12, BH16, EKP18, PCdGCP13, PGM21], set [LHEG18], setting [ETT+21, HD17], settings [HLP15, LS19], SFLA [GA20], SFLA-based [GA20], shared [BMCP14c], sharing [BABW12, CCUP21, GS12, LHEG18, VvV15], similar [SBPS12], Similarities [Cap13], similarity [PCCP14], Simple [ARSH16], Simplified [YZZ22, MFCP14, PB17], Simplifying [NBCM17], Simulation [CLMZ13, BHZK12, BKS+17, GP16, OCSCSBDBP20, ZRB+14], simulator [MVP12], since [OKA14], single [KRR+16], single-objective [KRR+16], sites [AHC21], situation [PKY14], situation-aware [PKY14], size [LLT20], sized [LCMCPA15], sizes [SP22], Skills [SRSEGA14, ISK15, MDSSMS15, RDD+12, TWFF18], slicing [ACM+14, HF12, KFY113, WZ17], SLOC [LSBV16, LSVB17], SLR [ASA+20, KKK+21], small [Abu16, ABG18, CG14, ECRJFZ13, ECRJFZ16, GPM+12, LS19, LCMCPA15, MPS+16, MPM+20, PRGP+12, SG20], smaller [BPKZ16], smart [AVC20, PKY14], SME [BABW12], smell [AAG21, MRJ20, RA15], smells [MAMNH19, OKÖ+17, SLHS18, SAPF22], SMEs [Abu16, CO13, SS18], Snapshot [BMCP14c, TPB+17], SOA [RL15], Social [AHC21, MSB+14, AY20, CPMS+14, ECRJVA+18, NMA+17], sociocultural [GSB+20], Software [AAG21, AL17, Ano21u, BM12b, BMCP14b, BMCP16, DS17, FKW13, HOJ15, IK17, aRL21, MPS+16, McQ12, MAL+13, PF18, PCdGCP13, PDP18, PB16, RA16, TFAL21, VBMH22, WWKC18, ZRB+14, ZHC+18, ZLW22, AAM+20, AIA20, ASA+20, ARD+12, ATR+17, ALK+17, AY20, AHA17, AMH+20, ASK+21, AKM+21, AOAG16, ASG18, ABB14, AM20, AHKL20, ADH20, ALK+20, AG21, ABG18, AL15, A121, Ano13, Ano21b, Ano21a, Ano21q, Ano21t, Ano21v, AUK22, AGM22, AAA13, AN18, Bab12, BW18, BM12a, BHZK12, BH16, BJB2M1, BSEA14, BPKZ16, BMP13, BMCP14a, BCPM19, BCPM20a, BCPM20b, BSB16, BGM18, Bor16, BDB+18, BCSS18, Cao12, CDF13, CDO+13, CR18, CPR15, CC13, CN12, CDMSNdCM+14, CD19, CAKA21, CKG15, CS19, CS13, CKS18, CG17, CCUP21, CO13, CLMZ13, Dow14, ETT+21, E1A19, EAK13, ECRFZ13, software [ECRJFZ16, FDM+18, FQA17, FPA17, FHS13, GPM+12, GP16, GFK+20, GP13, GS18b, GA20, GKHE18, Ghe17, GJC+18, GdOK18, GBROH14, GKS+12, GWA15, GD21, HAN18, HH12, JBH13, HB16, HSvG17, HAS21, HLP15, HBM+16, HIA19, HLWL15, HCL+17, IAA18a, IA18b, IH17, JGHA14, JWP+16, JIvdW+17, JI12, JMCC18, JN12, KGP12, KTY16, KKT12, KO16, KKN+19, KA20, KH21, KGW13, KCH+17, KR15, Kos21, KMP22, KRG+13, Kru13, Kuh15, KFT16, KFY113, KO13, LSW13, LMB12, LP17, Lamdvt+12, LCMCPA15, LFT19, LCM+15, LMC16, LYL+12, LS122, Lin15, LIIW18, LHEG18, dSLBF15, LHIE18, MKA20, MBD+22, MV1P20, MG1A14, MPB16, BMCP18, MJ14, MDSSMS15, MGN18, MADM12, MFPC14, MA20, MP16, MAMNH19, MPM+20, NXC13, Nia12, Nia15, NMA+17, NSDP15, NPLP12, ND20, NBF18, OEC17, OMTR12, OKA14], software [OB20, Ost14, OTM18, PL14,
PGCMA15, PJW17, PA14, PBSA17, PKY14, PRNR14, PPdAPP21, PRGP12, PNL12, PK14, PSMM19, PUWS21, Pri12, QVR +21, RPZ14, RYA +21, RLMC19, Raj18b, RCL19, RMOP20, RMAB15, RK18a, RK18b, RC020, RF16, RTCL16, RPV12, RBE +21, RBG15, RLTTC14, RMCLGAM14, RHL15, RFM16, SS21, SDWA20, SKWD15, SVSC20, SK18, SRSEGA14, SSKTW14, SGSGYO19, SAM13, SPC16, SSA15, SKK +18, SJA +14, SS18, SP22, SAEH16, SLL +21, SG20, SW12, SV20, SBPS12, SAC21, SG17, TP21, TGE17, TUF20, TWL +21, TWF18, THP +16, THP13, UWGP15, VKpV13, VKC +21, Wan21, Yag18, YZT22, YAMM22, YFL +22, YT22, ZKJ12, ZKZH14, ZW18, ZWY +20, dSPF +12, dGNFAT17, dSVB +22, GSB +20, HOD +14, OCCSBDBP20, RRDPD +13, CDR12. software-intensive [AAA13, OB20]. solution [ETT +21, GGGBEM18]. solutions [BW18, CdSmAD16, KJ14, KKT12, MVRP20, UWGP15]. Source [BHLO16, AVC20, Ano21s, AM16, Cap13, CLC14, DRM21, DRGP13, HZ14, KMH +15, KFY13, LGS +17, MLM16, NXC13, NBCM17, QB21, RCO20, SAPF22, SAK17, Wan21, YT22, KLG17]. Sources [WL16]. sourcing [UC12]. Space [PB16].


Support [IAA18b, GP16, HB16, KTHS16, KL18, KMH+15, LHEG18, dSLBF15, NSDP15, NGAE22, RMAB15, SKTW14, SCH12, THP13, WRC+13, ZCL+18, ZPW12, dGNFAT17]. supported [Bab12, NRB13].

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