A Bibliography of Publications about the *Java Programming Language*, 2010–2019

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Abstract
This bibliography records books about the Java Programming Language and related software.

Title word cross-reference
3 [GBC12, JEC+12, ZXL16]. \(T_P\) [LTK17].
\(C_p\) [AÖ11]. \(k\) [SD16b, SGG+17]. \(Z_p\) [AÖ11].
-safety [SD16b].

/\texttt{multi} [Taf13]. /\texttt{multi-threaded} [Taf13].
\texttt{'12} [Hol12]. \texttt{12th} [Fox17a].

\textbf{2008} [HGCA11]. \textbf{2012} [HTW14, Hol12].
\textbf{27th} [KP15].

5 [KHR11].

6 [Jen12].

7 [Ano15, EV13, J+12]. \textbf{75} [HWM11].

8 [LYBB14, SAkB+16, UFM15].

938 [Gun14]. \textbf{978} [Ano15].
\textbf{978-1-4493-1103-2} [Bro12].
\textbf{978-1-4919-4946-7} [Ano15].

Abbreviated [SRTR17]. \textbf{ABS} [SAkB+16].
absence [AGH+17]. Abstract
Approximation [RvB14].


authorship [FMS+11]. auto [SKBL11]. auto-tuning [SKBL11]. automata [TLX17, ZWZ+14]. Automated [BH17, BSOG12, BMOG12, MS14, RGEV11, SDM12, AsdMMG14, MRMM12, ZFB+16].

Automatic [GGRSY14, GGRSY15, GGRSY17, KKW11, MDS+17, PQD12, SZ11, SD16a, SJPS10, SS16, WM10, ABK+16, FM13, PG12]. automatically [TB14]. Autonomic [DLPT14]. Autonomous [GMPS12].

average [LDL14]. avoid [XR10]. Avoiding [FRC+17, ZBB17]. avoids [PPS16]. Aware [JYKS12, BBXC13, CL17, EQT10, SSB+14a, SVG12]. awareness [VGS14]. axiomatic [TVD10].


cloud-based [GGC18]. clustered [PDP+16]. clusters [TRTD11]. Cocoa [Sta10]. Code [BH17, BNE16, HC11, RVK15, SRTR17, SV15a, SED14, AGR17, AK13, CCFB15, DRN14, FH16, FMS+11, LG10, NG13, OJ12, PMP+16, PSW11, RFRS14, RBV16, RO12, UTO13, VSB17, WKK17, WGF11, WBA+11, WAB+11, WWS13, ZHL+12, ZXL16, ZWSS15].

collectives
[GS12, PL12, SV15b, SV17].

Collector
[RTET15, TRTD11].

Collectoren
[Sch13].

coloring
[SS10].

Coloring
[WN10].

Collector
[BH12, GTS+15, BCR13, BVGV14b, Puf13].

Combinatorial
[YHY13].

Commercial
[ZMM+16].

Compatibility
[MZC10a].

Compilation
[DLR16, CGJ+16, CMS+12, DLR14, FSC+13, IHWN12, JLP+14, JK13, JMO14, KS13, KHL+13, Lei17, MD15, MGI17, ZBB15].

compiled
[NED+13, RO12].

Compiler
[JMB12, NKLH16, NWB+15, BBF+10, BRWA14, CIAD13, HWM13, IHWN12, KMLS15, KS14, KC12, LSWM16, MDM17, Rub14, TTS+10, TWSC10, VB14b, ZYZ+12].

compiler-compiler
[KS14].

compiler-runtime
[TWSC10].

compilers
[Host12, LMK16, RSB+14].

Compiling
[Fee16, Host12].

complementation
[BS13].

Complete
[BO13, BR15, JC10, Sch14, GRI17, PSLR15, RGM13, RR17].

completeness
[KBP17].

completing
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complexity
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Compliance
[GD12].

component
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component-based
[AST+16].

collectors
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Composing
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Composition
[SK12, AGH+17, AH10, SZ10, VM15].

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[VBMA11, ZKB+16, MKZ+14].

Compressing
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Computation
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computational
[Bra14, SSG+14, VF10].

computations
[KFBK+15, TLMM13].

Computer
[HWN11, DNB+12, KB15].

Computing
[Hol12, SHU16, TWTN12, WN10, LZYP16, Rub14, TTD+11, VF10, TRED+13].

Concurrently
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[Hol12, SHU16, TWTN12, WN10, LZYP16, Rub14, TTD+11, VF10, TRED+13].

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[YDFF15, HdB17]. Coordinating
[MAHK16]. coordination [BMSZ17]. copy
[FBH17]. copyrightable [Sam12]. Core
[Hor11, HC13, RDPC12, RHE13, MS10,
TRTD11]. cores [GTSS11, SKBL11].
corpus [HCN14]. correct
[AdCGGH16, AJL16, DJLP10].
Correctness [LL15, BENS12, Cho14].
Correlation [SDC12, XHH12]. counter
[LSSD14]. counters [IN12]. Course
[Wan11, Zak12]. Coverage
[CSS16, GGZ15]. Coverage-Based
[GGZ15]. Coverage-directed [CSS16].
CPS [PDDD17]. CPU [PKO15].
Crawling [MvDL12]. creating
[HC10, VBAM10]. Creation [SK12].
crisis [AT16]. Critical
[HL13, WK12, WCB16, ZLCW14, AGR17,
DTLM14, GMC13, NM10, Nil12b, RS12,
SDH13, CWW13, LWC17]. Cross
[MDM17, AMW15, BK13, GSS16,
KMZN16]. cross-cutting [AMW15].
Cross-language [MDM17, GSS16].
cross-program [KMZN16]. cross-thread
[BK13]. Crowdsourcing [HH17].
CrowdSummarizer [BH17].
Cryptography [Ano15, HLO15, Sta10]. Curve [GPT12].
customizations [LGV10]. customized
[HB13]. cutting [AMW15]. Cyclic
[BOGO12, RS12].

D [GBC12, JEC12, ZXL16]. DAA [DR10].
Data
[Bra14, BMO12, BA17, GMI12, GTS15,
GT10, NKH16, NBW15, dMRH12, BK14,
BB17, BOF17, BBXC13, BJJ12, CRP10,
DFR13, DHM12, FOPZ14, KB17, SDL14,
MRA17, NL14, SAD16, SSG14,
SGG17, UMP10, WKJ17, WCG14, XXZ13,
XMA10, ZIvd17]. data-centric
[DHM12, FOPZ14]. Data-Parallel
[NKH16, CRP10]. database
[Dei10, TABS12]. databases [MLGA11].

Dataflow [BR12]. Datalog [ZMG14].
dataset [MDS17]. Days [Sev12b]. DBT
[KS13]. dead [SK13]. deadlock
[CHMY15, SR14a, SR14b]. Dean [Bro12].
debugging
[AdMG14, BM14, KS14, TB14, ZF116].
Deciding [SGD15]. decision [RBV16].

Declarative
[DRN14, RSI12, FOPZ14, MME10].
Decomposition [AGH17].
deconstructing [ACS14]. decoupled
[LPA13]. deduplication [HOKO14].

Default [BG17, SNS14]. defects4j
[MDS17]. defined [FMS11]. Definite
[NS12]. Definition [SSB14b, AK13, SSB01].
Definitive [Oak14]. delegation [GBS13].
delimited [PDDL17]. DelphJ [GBS13].

Demand [FDL15, ZHL12].
demand-driven [FDL15].

democracy

Deoptimization [KRC14]. Dependence
[PDDL17, JWMC15]. Dependence-driven
[PDDL17]. dependencies [BK13].
dependencies [ELW15]. Dependent
[CH12, LE16]. deploying [R13]. depth
[Rau14]. Design [AC16, ETTD12, MLGA11,
Puf13, RHE13, SW12, TRTD11, TLE15,
VGRS16, YCSC12, BBXC13, CSdL16,
GSD15, IRJ12, OA17, SAD16,
SMSB11, VM10, Xue12]. Designing
[Sev12b, KHR11]. Desktop [GS11].

development

development
[BR12, HLO15, PiL11, XR10, FF10].

Development [BSOG12, KCD12, MS14, RD15,
XMA14, CS17, LMK16, LS11, ODL15,
PG12, RDF15, RW17, SR14a, SR14b, SS14,
WCG14, XXZ13, XR13]. detectors
[LWH10]. Determinacy [AM14].

Deterministic [DNB12]. developer
[EV13, Top11, ZZK13]. Developers
[Bro12, BMR14, DJB16, HH13, Wam11].
developing [R13]. Development
[ABK16, AYZ10, AGR17, FRGPLF12,
PSW11, SKR17, SH12, WBA11, ZDS14].

Differentiation [FHP+12, PQD12, SD16a]. digital [JMO14]. dimensional [TGZ17].


Distributed [BVEAGVA10, LTD+12, LM15, MAHK16, PE11, BVGV10a, BVGV11b, BVGV14b, CRAJ10, EABGV14, STCG13]. distributing [TGZ17]. divide [SBF+10].

Do [HH13, Han15]. Does [BRGG12, Rub14]. DOJ [GCC18].

DOM-Based [GCC18]. Domain [KSPK12, CSdL16, EKK+13, HWW+15, PIR17].

domain-specific [CSdL16, EKK+13, HWW+15]. dominance [CPST14]. Doppio [VB14a].


DSls [KHH11, RO12, SC16]. DSU [PVH14]. Dual [AD16].

Dual-Pivot [AD16]. Dynamic [ABMV12, ASF17, CHMY15, MvDL12, PTHH14, RDF15, XMA+14, ZKB+16, AF12, BDB11, BK14, BCD13, BOF17, CS15, CSPL15, ELW15, GYB+11, HB13, KRCH14, KRR+14, KT14, LWH+10, LV10, MKZ+14, Nili12b, NG12, NED+13, RLVB10, RCR+14, RRBl17, SR14b, SJP10, SH12, TPG15, VBAM10b, WX16, WBA+11, WAB+11, WWS13, WWH+17, ZBB15].

dynamic-memory [GYB+11].

dynamically [CZ14, CMS+12, hEYJD12]. Dynamo [BDB11].

e-Science [SVG12]. ease [DRN14]. Easy [Jaf13, CRP+10]. economic [CSV15].


Editorial [Fox17a]. Editorials [Fox17b, HTW14, RHT13]. EDSls [RD16].

Educator [BA17]. EE [Jen12, MCC17]. effect [CCFB15]. Effective [BMR14, PTML11, RD15, CsdL16].

Effectively [UR15]. effects [FH16, HAW13, Lei17]. Efficient [DV13, GPT12, HW111, HB13, KT14, KW10, OOK+10, RSF+15, RFB14, SMN+12, TLX17, TD17, AK13, BHSB14, CRP+10, ETR12, HW110, KKW11, MRA+17, MSM+10, Sie17, GV12, SWB+15, SV15a, TRTD11, UMP10, VVJ10, XXZ13].

Efficiently [FBH17, BK+13, FOP14].

Einsatzszenarien [Sch13]. Einsteiger [Ric14].

Elektronik-Projekte [Ric14]. Elephant [RGM13]. Elimination [RKN+18, GV+11]. elision [NM10].

Elliptic [GPT12]. Eloquent [Hav11].

Embedded [Fox17b, HTW14, JMB12, KARO12, Pau14, SLES15, SL+17, TKL+15, VK12, Dei10, Fox17a, GMC+13, HTLC10, KHR11, LMK16, LTK17, OIA+13, RHT13, SC16, SDH+17, SFR+14, UIY10, Xue12, ZYZ+12].

embedding [KMLS15, SC16].

Empirical [SS13, WXR16, BJBK12, FH16, HH13, MHR+12, NCS10, SH12, VBDMP16, VBMDP16]. emulated [TH+14].

emulator [KS13]. Enabled [GPT2, DR10, ETR+15, RBL12, SVG12].

capsulation [DDM11]. End [GM12, DA13]. End-to-End [GM12].

end-user [DA13]. energy [CL17, PC14].

energy-aware [CL17]. enforcement [IF16].


engines [KRH16, SSG+14]. enhanced


Handling [KW11, ECS15, HWM14, KW10, WK12]. happened [Han15]. happens [TD15]. happens-before [TD15]. hard [LTK17, Puf13]. Hardware [SKKR11, SP17, CBGM12, IN12, SE12].
hardwired [OY]+13. hash
[SV15a, SV15b]. hash-array [SV15b].
hashing [GRF11]. HDFS [IRJ]+12. HDL
[OY]+13. heap [CSV15, LDL14, TLX17,
Tar11, VYY10, YS10, BVGVEA10].
heap-manipulating [YS10]. Helping
[RT14]. Hera [MS10]. Hera-JVM [MS10].
Heterogeneous [ASV]+16, HHB+14, Rub14,
AYZ10, ABCR10, DFR13, MS10].
Heterogeneous-race-free [HHB]+14. heuristics
[BS13]. High [GSS]+16, Hol12,
IRJ+12, MSM+16, SWU+15, WN10, Zak10,
BRWA14, Hos12, RFB14, TTD+11, TGD17,
VWJB10, WWW+17, TRE+13].
high-dimensional [TGZ17]. high-level
[Hos12, RFB14, VWJB10].
High-Performance [WN10, GSS]+16,
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[KT15]. higher-order [KT15]. highly
[BP10, SPP]+10]. history [DRN14]. hit
[Ano13]. Hoare [SD16b]. hole [Ano13].
Holistic [MAHK16]. HOP [D’H12]. Hopjs
[SP16]. hosted [CBLFD12]. hot [LMK16].
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[ABMV12, VBAM10b]. HPC [QJ]+16.
HTML [Sta10]. HTML5
[HLO15, NKH16, Ano15]. Hunting
[GGC18]. HVM [LTK17]. Hybrid [CHM16,
JQJ+16, JMO14, KCD12, VDV17, ZMY14,
ZMM+16, AD13, HyG12, SWB+15].
Hybris [VDV17]. hygienic [DFHF15].
hypervisor [GMC+13].
IaaS [ZLHD15]. identification
[BZD17, FMS+11]. Identifier [SRTR17].
identifiers [FMS]+11. Identifying [IN12].
if [Han15]. illuminating [BK14]. Image
[WN10]. immutability [HMDE12, ZPL+10].
immutable [SV15b]. impact
[CMS]+12, Gra15, HWLM11, WKJ17].
imperative [RFRS14]. implement
[HdM17]. Implementation
[GPT12, HM12, OA17, VGRS16, YP10].
implementations [CSS]+16, OJ12].
Implementing [FFF17, GM12, WCB16,
EEK+13, FBH17, PMP+16]. implications
[BRGG12]. implicit [IvdS16, SPAK10].
imply [BRGG12]. Improve [QSaS]+16.
Improved [KRR+14, UIY10, OJ12, XHH12].
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eBH11, UTO13], in-depth [Rau14].
in-place [DVL13]. incremental
[DS16, ELW15, UIY10]. independent
[IF16]. industrial [CRJ]+10]. inefficiently
[XR10]. inefficiently-used [XR10].
Inference [BO13, YHY13, AGGZ10,
CGJ+16, HyG12, HMDE12, Zha12].
infer [AS14, BENS12]. InfiniBand
[ETTD12, IRJ+12]. infinite [ASdMGM14].
Informa [HA13]. Information
[ASF17, HBS16, KHL+13, RKN]+18, SS12, AF12,
ABFM12, BVGVEA11b, CMS+12, RBB17].
Information-flow [HBS16]. infrastructure
[NG12]. Inheritance
[LN15, WT11, AST+16, GBS13, NCS10].
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Initiation [FGR12]. Injecting [ZZK13].
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instrumenting [MME14]. instantiated
[BG]+17, BTR+13]. instrumenting
[BZD13]. Integrated
[Tar11, YP10].
inTEGRATED
[SPP]+10]. integration
[Ame13, HKVG14, Sch10a]. integrity
[HDK+11]. intelligence [JAC10].
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ter [CMM17]. inter-language [CMM17].
Interacting [SK13]. Interaction [WT11].
interactive [AMWW15, JH11, MCY+10].
tercess [VM10]. interdependencies
[LB12]. Interface
[Liu14, MvDL12, SLS+12, AYZ10, MT14, LT11, LT14].
Interfaces [WT11, Cho14, DLM10,
LWH+10, PSNS14, WT10]. interference
[YDF15]. International
interoperability [Hol12, KP15, Fox17a].

Interpretation [GSS+16]. Interpretation-Based [DLR16].

Interpreters [D'H12, KMMV14].


invokedynamic [OCFLI14]. Involved [ZMM+16]. IP [TKL+15].


Isolating [ZLB+13]. Issue [DVL13, HL13, HTW14, PuF13, VK12, Fox17a, HTLC10, HGCA11, RHT13].

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Java [TRTD11, TTD+11, TTD12, TRE+13, TLL11, TX10, TWNH12, TGH17, TIK+15, UR15, UF15, VSG17, VGR16, VBDM16, VBM16, VGS14, VBAM10a, VBAM10b, VBMA11, WGF11, Wam11, WzdS17, WMB+10, WIK12, WCB16, WN0, WR+10, WHV+13, WHN11, WBA+11, WBS13, XHH12, X13, Xue12, YP10, YKM17, YDF15, ZivdS17, Zak12, ZP14, ZLCW14, ZH12, ZXL16, ZK16, ZWS15, ZPL+10, ZDS14, dCMN+12, dMRH12, eBH11, hED12].

Java-Based
[AFG11, SLS+12, SWT12, CJ17, HOK04, JMO14, KS13, KS14, MB12, M+1+10].

Java-compatible [ABCR10].

Java-like [BDGS13, BCD13, DJLP10, SZ10].

Java-to-HDL [OY+13].

Java-to-JavaScript [LSWM16].

Java.util.Collection.sort [dGRb1+15].

Java/JSP [Sch10b].

JavaBean [MZ10a].

JavaBIP [BMSZ17].

JavaCOP [JN+16].

JavaAdaptor [PK+13].

JavaFX [Top11].

JavaGI [WT10, WT11].

JavaScript [Ano15, Ric14, ACS+14, AHK+15, AMWW15, BCF+14, BBP13, Cc11, CGJ+16, CBLFD12, Cha14, CHJ12, Dei10, Dei11, DeSG12, DFHF15, FMM11, FM13, FH16, FBH17, FSC+13, FZ17, FOPZ14, GMS12, Guo17, HyG12, Hav11, HBS16, HLSK13, HHS13, HCl11, KR12, KSW+14, KRH16, KT14, Kre15, KFBK+15, Kic10, KBL14, KAR012, Kri12, LSWM16, Ler10, LVC10, LPGK14, Liu14, LML17, MTL15, MPS12, MOG17, MHL15, MRMV12, Mi13, MM12, NHK16, PLR14, PSR15, PDGD17, PKO+15, Rau14, RLBV10, RGEV11, RHN+13, RW17, Ryu16, Sev12a, Sev12b, SDC+12, Sta10, Ste10, SFR+14, TT11, VM15, VB14b, Wal12, WX16, YY13, Zak10, KCD12, Mei14].

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JAWS [PKO+15].

JBinsTrace [CZ14].

JCloudScale
[HL15].

JCMl [dCMN12].

JCSI [ABF12].

JCS [WB+10].

JDiffraction [PQT17].

JDM [ZP14].

JEQualityGen [GRF11].

JET [LT11].

JGRIM [ZC10b].

Jinn [LWW+10].

JIT [BBF+10, BB17, CSM+12, HW14, IHWN12, JK13, RSB+14, WJK17, ZY+12].

JIT-based [BB17].

JITs [KRCH14].

jMarkov [CRA+12].

JML [CRJ+10].

JNI [CDG+17].

Journey [Ryu16].

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judgment [CSV15].

Juliet [BB12].

July [Bro12, KP15].

jungle [Sew12].

Just
[DLR16, KHL+13, LM16, MGI17, TTS+10].

Just-in-Time
[DLR16, KHL+13, LM16, MGI17, TTS+10].

JVM
[AC16, AFG+11, CSS+16, Gyu14, MS10, PVH14, R+13, RBB17, SV15b, Sub11].

JVMs [BK14, ZY+12].

K-Java [BR15].

kernel [HDK+11].

Key
[BBB+17, DFR13, JB12].

key-value [DFR13].

keynote [McK16].

KiWi [BBB+17].

KJS [PSR15].

knot [LBF12].

know [DJB16, Gra15, Han15].

Knowledge
[KSPK12, UMP10].

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Language

[WHV+13]. ME [GM12, XHH12].
ME-Based [GM12]. mean [Rub14].
measurement [YW13]. Measuring
[DW10, DTLM14, Gra15, JH11].
mechanical [ZZK13]. mechanised
[BCF+14]. Media [Bro12]. meets
[KHL+13]. Memento [CPST15].
memorization [TPG15]. Memory
[BG17, JYK12, MSM+16, SS14, AHK+11,
AHK+15, AGGZ10, BSMB16, CWW13,
DLZ+13, DVL13, FC11, FF10, GYB+11,
HHB+14, HB13, KHL+17, KCP+17, KB17,
Loc13, MSM+10, Nil12b, OMK+10, RW17,
SM+12, SMN+12, SWB+15, SV15a, Tar11,
TVD10, WGW+11, X1R13, ZP14, ZHCB15,
ZBB17]. MemSAT [TVD10]. Mergesort
[LL15]. merging [TLX17]. Message
[KF11, ETTD12, TRTD11, TTD12, UR15].
message-passing [ETTD12, TRTD11, TTD12, UR15].
messages [eBH11]. meta [MD15, SZ10].
meta-circular [SZ10]. meta-compilation
[MD15]. metadata [DVL13]. MetaFJig
[SZ10]. meta-heuristics [DADF17].
metaprogramming [PS11]. Method
[AC16, BVGVEAFG11, GD12, AST12,
AJL16, HMDE12, SS16, VBMDP16].
Method-Level [AC16]. Methods
[Pau14, Bra14, GRF11]. Metrics [Sch13].
Metriken [Sch13]. Microscopic [RXK+17].
Microsoft [Aro13]. Middleware
[RTE+13, HOKO14, HWLM11, MZC10b].
middleweight [IF16, MT14]. midstream
[SSG+14]. Migrating [AST+16].
Migration [OwKPMP15, Fec16].
Miniboxing [UTO13]. minimal [CNS13].
mixing [DRN14]. Mint [WRI+10]. minute
[HMS15]. minutes [BTR+13].
misconfigurations [MCC17]. Mismatch
[YCYC12]. misses [IN12]. Missions
[WCB16]. Mistakes [BA17]. Mitigating
[KCI2]. mixed [CL17]. Mobile
[GM12, GPT12, MV16, XHH12, GGC18,
KF11, MZC10b]. Model

[CDG+17, CCA+12, DLR16, JYK12,
MSM+16, MCC17, MV16, BVGVEAF11a,
CHM13, CWW13, CV14, DLZ+13, GYB+11,
HAW13, Loc13, LSSD14, MSM+10, PSW11,
RR14, RBV16, RAS16, RDF15, SMN+12,
SSG+14, WVB10, ZP14, ZXL16].
Model-Aware [JYK12]. Model-based
[MCC17, PSW11]. model-driven [CHM13].
Modelling [GBC12, JC10, KSPK12, SDL14,
Rey13, CRAT+12, SKR17, TLX17, ZIvdS17].
Models [PE11, ZLCW14, AG17, HBB+14,
TVD10, ZBB17]. modern
[FIF+15, Hav11, JK13, KB17, WGW+11].
modernization [Nil12a]. Modular
[IvdS16, LN15, RDPC12, MRA+17, RO12].
Modularisation [SDM12]. modularity
[SPD10]. module [KR12]. Modules
[PLCH11]. monad [GS+15]. MongoDB
[Guo17]. Monitoring
[AGR12, DJLP10, ES14, KF11]. Monitors
[BLH12, HM12]. mori [CPST15].
movement [NCS10]. MPI
[RAS16, SZ11, VGRS16]. MPI-based
[SZ11]. MPJ [JQ+16, TTD12]. MrCrypt
[TMM13]. MS [FH16]. Multi
[JTO12, RTE+13, DSEE13, Fee16, FC11,
GSS+16, IHWN12, MS10, Puf13, SE12,
SKBL11, TRTD11, Tar11, WRT+10].
Multi-Core [RTE+13, MS10, TRTD11].
multi-cores [SKBL11]. multi-engine
[Tar11]. multi-language [Fee16, GSS+16].
multi-level [IHWN12]. multi-processor
[Puf13]. multi-stage [WRT+10].
Multi-threaded [JTO12, DSEE13, SE12].
multi-version [FC11]. Multicore
[ASV+16, CCH11, MKG+17, SE12,
SSGMD10, TWX+10]. multilevel [JK13].
multiphase [GrvR+11]. Multiplatform
[ZKBR+16]. Multiple
[AF12, ASF17, HLSK13, CSV15, DD13].
multiplexing [BVGVEAF11].
Multiprocessing [VGS14].
multiprocessor [PS10, PWA13, SPS17].
Multiprocessors [KW11, RS12].
Names [SRTR17]. Native [JQJ+16, LT11, LT14, KF8K+15, STS+13]. Natural [LL15]. naturalness [HBG+16].
NDetermine [BENS12]. nested [CHM16, ZLB+13]. Netflix [Lin14].
network [GGC18, RR14]. Networking [Hol12].
networking [AFGG11, ETR+15]. neuromorphic [HNTL12].
next [CRJ+10]. NG2C [BOF17]. Nixon [Ano15].
No [BVGVEA10]. No-Heap [BVGVEA10].
NoCs [PWA13]. Node [HC11, BJKB12]. Node.js [BSMB16, MTL15, Ano14]. nodes [DRN14].
Nominal [BO13]. Non [BVGVEA11b, BSOG12, GGZ+15, TD17, YKM17, MZC10a, OMK+10, ZP14].
Non-Adequate [GGZ+15]. non-cache-coherent [ZP14].
Non-equivocation [TD17].
Non-functional [BVGVEA11b].
non-intrusively [MZC10a]. Non-Java [YKM17, OMK+10]. Non-termination [BSOG12]. Nonblocking [RTET15, SP10a].
Nondeterministic [RB15, BENS12].
noninterference [IF16]. NoSQL [DFR13].
Notation [Sev12a]. Novel [NK10, MZC10b]. November [Hol12].
Novice [BA17]. Novices [RT14]. null [AT16]. NullPointerExceptions [BSOG12].

Obfuscated [KCD12]. obfuscation [CCFB15]. obfuscations [CSK17]. Object [CSGT17, GS11, NBW+15, PTHH14, PiLCH11, Sev12a, SW12, AST+16, BZD17, DDDF17, FMBH15, IvS16, MME14, MHB013, RFD15, UJR14, VM10, WM10, ZCdSOvdS15, Zha12, ZDS14, hEYJD12].
Object-Bounded [NWB+15]. object-constraint [FMBH15].
Object-Oriented [GS11, PTHH14, AST+16, DDDF17, MHB013, VM10, ZDS14, hEYJD12].
Objective [Sta10]. Objective-C [Sta10].
Objects [BS12, RKN+18, MHL15, SK13, WXR16, BSVG10].
Observations [AAB+10]. OCTET [BKC+13]. odeToJava [KS15].
offloading [ZHL+12]. on-demand [ZHL+12]. on-the-fly [UJR14]. ones [AST+16]. Online [NG13, GGC18, HCV17, NK10]. only [NM10]. Ontology [KSPK12]. OoOJava [JhED11].
Open [BSA14, GD12, CJ17, VGRS16].
Open-Source [BSA14]. OpenJDK [CHM16, dGrdB+15]. OpenMP [VGS14].
operations [TABS12, TGZ17]. Operator [PDD12]. opportunities [TPG15].
Optimization [LTD+12, YKM17, AFG+11, BDB11, DDDF17, JOM14, KS13, KC12, NG12].
Optimizations [DR10, BB17, CPST15, DS16, NG13, SAdB+16]. Optimizing [SV15b, YRHBL13, HWW+15, KRH16, MD15, ZLBF14].
optional [CMS+12]. Oracle [LMS+12, Sam12]. ORB [OUY+13].
Order [SGD15, JhED11, KT15, TD15].
ordering [KC12]. Orders [BNE16].
ordinary [MZC10a]. O'Reilly [Ano15, Bro12]. Oriented [ABMV12, GS11, AST+16, DDDF17, EAVBG14, MHB013, PTHH14, RVP11, VM10, VBAM10b, WBA+11, ZDS14, hEYJD12]. OSk
[HDK+11]. OSGi [BVGVEA13]. OSS
Parallelisation [GS11]. Parallelism [NKH16, BENS12, HISS13, MZC10a, RHSD15, TWL12, ZFB13].
Partitioning [AD16, BS12]. party [FOZP14, LVG10]. passing [ETTD12, TRTD11, TTD12, UR15]. Path [SGD15, DD13, HISS13, SMP10].
Reachability [NS13], reactive [BCvC+13].
read [NM10], read-only [NM10]. Reading [Jaf13], ready [RHS15]. Real
[BVEAGVA10, BBB+17, Fox17b, HTW14, KW11, Nil12a, Pau14, SLES15, SLE+17, VK12, BCR13, BVGVEA10, BVGVEA11a, BVGVEA11b, BVGVEA13, BVGV14a, BVGV14b, CRAJ10, DW10, EABVGV14, Fox17a, GCM+13, HTLC10, KHM+11, KPHV11, KvGS+14, KW10, KSR14, LTK17, MDS+17, PS10, PZM+10, PSW11, Puf13, RHT13, SP10a, Sie10, SPS17]. Real-Time
[BVEAGVA10, BBB+17, Fox17b, HTW14, KW11, Pau14, SLES15, SLE+17, VK12, Nil12a, BCR13, BVGVEA10, BVGVEA11a, BVGVEA11b, BVGVEA13, BVGV14a, BVGV14b, CRAJ10, DW10, EABVGV14, Fox17a, GCM+13, HTLC10, KHM+11, KPHV11, KvGS+14, KW10, KSR14, LTK17, PS10, PZM+10, PSW11, Puf13, RHT13, SP10a, Sie10, SPS17]. Real-Time
[BVEAGVA10, BBB+17, Fox17b, HTW14, KW11, Pau14, SLES15, SLE+17, VK12, Nil12a, BCR13, BVGVEA10, BVGVEA11a, BVGVEA11b, BVGVEA13, BVGV14a, BVGV14b, CRAJ10, DW10, EABVGV14, Fox17a, GCM+13, HTLC10, KHM+11, KPHV11, KvGS+14, KW10, KSR14, LTK17, PS10, PZM+10, PSW11, Puf13, RHT13, SP10a, Sie10, SPS17].
Reasoning [LN15, ARK+13]. Recaf
[BlvdS17], recipes [J+12], recompilation [NED+13]. Reconfigurable
[OUY+13, STY+14, OIA+13].
reconstruction [LSWM16]. Recovering
[CRAJ10]. Reducing [MV16, WHIN11].
Reduction [BO12, TD15]. redundant
[HL015]. Refactoring
[AS14, ZHL+12, FMM+11, FM+13].
Reference
[Sch14, UJR14, HMDE12].
refinement [GY16, JLP+14, KSW+14, ZMG+14, ZFK+16]. Reflections [SPP+10].
regions [AC10]. register [ZY+12].
register-based [ZY+12]. Regression
[MM12]. regular [PIR+17], reification
[RBB17]. Reified [GBS14]. Reim
[HMDE12]. ReImInferr [HMDE12].
relation [TD15], relational [MLGA11].
relationship [SH12]. relaxed
[DNB+12, KHL+17, PPS16].
relaxed-memory [KHL+17]. Release
[Ano14]. reliability [HWLM11]. relying
[IN12]. Remodeling [OJ12]. Remote
[BVGVEA10, BVGV14a, BJJK12, GSD+15, BVGVEA11], removal
[MRMV12, WGF11]. removing [PLR14].
rename [FM13]. repair [MDS+17, SHU16].
repeatability [Vit14], replacement
[BCD13]. Replay [BH12]. replication
[CJ17, UIY10]. replication-based [UIY10].
report [CBLFD12, Sch10a]. Reports
[OW16]. repository [HC10].
reproducibility [Vit14]. reproduction
[SR14b]. requirements [AGGZ10].
ResAna [KVGS+14]. Research
[TRE+13, CRJ+10, CBLFD12, Rub14, VBMDP16, Vit14]. Resource [BVGV14a, ADI13, ES14, KvGS+14, KSR14, SGV12].
resource-aware [SGV12]. resource-based
[AD13]. responsive [SPP+10].
responsiveness [PSNS14]. restart [CNS13].
Retention [ZMM+16]. Rethinking
[Xue12, CRC+14]. retrofitted [TT+10].
retrofitting [LPGK14]. reusable
[HC10, MME14]. reuse [WR10]. Reverse
[CCA+12]. Review [Ano15, Bro12].
Revisited [Mei14, Gon11]. rewriting
[HL015]. RFID [AYZ+10]. RFLP
[YCYC12]. richer [CV14]. rigor [Vit14].
Rigorous [AGR17]. risk [MPM+15]. River
[HHSS13]. RJ [OW16]. Road
[RXX+17, SWU+15]. Robin [Ano15].
Robotic
[LM15]. Robots [SFW12].
Robust
[VM15, VDV17, MKZ+14, SGV12, VM10].
row [Lei17]. row-typed [Lei17]. RTSJ
[ZW10]. Rubah [PVH14]. rule [QLBS17].
Rules [CCA+12, HLO15]. run [WAB+11].
run-time [WAB+11]. Running
[HC11, TXW+10, YK14]. runs [FIF+15].
Runtime
[BLH12, MAH16, MSS10, NBW+15, OCFLI14, XMA+14, BRGG12, EQT10, GTL+10, GSS+16, LMK16, MS10, OOK+10, PKC+13, RO12, STY+14, TWS10, VBAM10a, YRHB13, dCMMN12].
routines
Simplicity [Dei11]. Simulating [LM15]. Simulation
[HWL11, KKW11, ZXL16]. Simulation-based [HWL11].
simulations [MCY+10]. Simulator
[MKG+17, RXK+17]. single [JK13].
Slicing [CDG+17]. site
[CPST15, SS+14a]. sites [OOK+10]. size
[AST12, UTO13]. sizing [CSV15]. skills
[JAC10]. Slicing [XMA+14]. Slimming
[WGF11]. Smaller [GS12]. smalltalk
[FIF+15, HKV14]. Smart [GMP12].
Smartcard [RBL12]. SMARTOp [TGZ17].
Smartphones [RT14]. SMARTS
[RXK+17]. snapshots [AST12]. Snippets
[SWU+15]. SNP [KYC12]. SoC
[TKL+15]. social [GCC18]. soft
[JAC10]. Software
[BSA14, Wen11, YQTR15,
BMSZ17, BTR+13, CBGM12, CFH+13,
CJ17, DVL13, FRGPLF+12, FC11,
HGC+16, HLeD11, LPA13, MHR+12,
NGB16, OLA+13, RAS16, SV17, XR13,
YRHBL13, ZJK13, ZHB15, ZDS14].
Solidity [Dan17]. Solution [KS15, J+12].
Solving [SED14, FMBH15]. Sound
[BO13, LE16, BHSB14, ELW15, PPM15].
soundly [BS13]. Source
[BSA14, GD12, SRTR17, SED14, AK13, CJ17, DRN14,
FMS+11, OJ12, PMP+16, ZWS15].
source-to-source [AK13]. sources [IN12].
sparse [TGZ17]. sparse-matrix [TGZ17].
spatial [MLGA11]. Speaking
[Rau14, Sam12]. Special
[DVL13, Fox17a, HL13, HGCA11, Pufl13,-HTLC10, RHT13, HTW14, VK12].
specialization [KRR+14, SV15a]. specific
[CSDL16, EEEK+13, HWW+15].
Specification [GJS+13, GJS+14, IF16,
KWL11, LN15, LVB13a, LVB13b,
LYBB14, TWHN12, BVGVEA11a, BCF+14,
KR12, KW10, MRA+17, YP10, dCMMN12].
specifications [BEN12, TVD10]. specified
[BCR11]. Specifying [BS12, HL13].
Speculation [AC16, MGI17]. speculative
[BB17, YRHBL13]. speed
[HRS+17, SBF+10, UTO13]. SPIN
[ASiMG14]. SPL [BTR+13]. splittable
[SLF14]. SPOON [PMP+16]. spot
[LMK16]. SPUR [BBF+10]. SQL
[KMDS15]. SqueakJS [FIF+15]. SSNTDs
[VSG17]. Stability [BSA14, LL15].
stabilizing [hED12]. stack
[KRCH14, Xuc12]. stack-based [KRCH14].
stage [WR1+10]. staged [SC16]. staging
[RO12]. standard [LMS+12].
Standardization [TWNH12]. StarL
[LM15]. State [AGR12, BLH12, MvdL12,
MS14, GN16, YP10]. state-
[YP10]. statecharts [MS13]. statement
[PLR14, ZWSS15]. statements [PLR14].
Static [BNE16, JC10, MLI15, ODL15,
PILCH11, RD15, SW12, SH12, AM14,
CGJ+16, Fer13, FLL+13, IF16, KSW+14,
LS11, MHR+12, PIR17, TLMM13].
statically [BTR+13, NED+13]. statistical
[Bra14, ZFK+16]. statistically [PMP15].
statistics [HCN14]. stealing
[KFB+12, TWL12]. STM [CHM16, Sub11].
STM/HTM [CHM16]. stochastic
[CRAT+12]. stock [PVH14]. Stop
[LWB+15]. Storage [Hol12, VDV17]. Store
[BS12, Sta10]. stores [DRF13]. Story
[ANO14]. strategic [BMR14]. strategy
[PDPM+16]. Stream
[KBPS17, MV16, BRWA14, SSG+14].
streaming [MRA+17, STCG13].
StreamJIT [BRWA14]. StreamQRE
[MRA+17]. streams [SGG+17, UFM15].
Strength [KCD12]. String
[HOKO14, CSK17]. Strings
[HWM11, HW10, LSSD14]. strong
[UAM10, ZHC15, ZBB17]. structure
[SOL15, UAM10]. structured [LSM16].
Structures [GT10, XMA+10]. Studio
[RT14, FH16]. Studio-Based [RT14].
Study
[ZMM+16, BRGG12, CCFB15, CJ17, ECS15,
KBFK+15, MHR+12, NCS10, OMK+10].
PTF\textsuperscript{+15}, SH12, VBDPM16, WXR16, YW13. style [UFM15]. substitute [PPMH15].
substrate [GT\textsuperscript{L}+10]. subtypes [HL13].
Subtyping [LN15]. suite [SMSB11, BB12].
Suites [GGZ\textsuperscript{+}15]. Summaries [BH17].
Superblock [KS13]. Supercharged [Cec11, GBS13]. Superposition [HD17].
supertype [RRB17]. supervenience [Rez12]. Support
[CGST17, KKK\textsuperscript{+}17, RKN\textsuperscript{+}18, BVGVEA13,
DVL13, GMC\textsuperscript{+}13, Hos12, NGB16, SMN\textsuperscript{+}12].
supported [FMM\textsuperscript{+}11]. Supporting [LGV10]. Surgical [RSB\textsuperscript{+}14]. surprises
[FMH15]. survey [BCvC\textsuperscript{+}13].
SurveyMan [TB14]. surveys [TB14]. suspension [TWL12]. sweeping [KBL14].
Sweeten [DFHF15]. Swift [ZYZ\textsuperscript{+}12].
SWIM [Sch10a]. symbol [Tar11].
synchrobench [Gra15]. synchronisation [CHMY15, WBM\textsuperscript{+}10]. synchronisation
[DHM\textsuperscript{+}12, Gra15, Sub11]. Synchronized [BG17].
Synchronized-by-Default [BG17]. Synchronous [BVEAGVA10, SK12].
syntactic [LE16, QLBS17]. Syntax [SS13, KMMV14]. synthesis
[SR14a, STR16, SS16]. synthesizable [ABCR10]. synthesizer [OYU\textsuperscript{+}13].
Synthesizing [GK15, SRJ15, IWH\textsuperscript{+}10].
System [BO13, KCD12, MAHK16, ACS\textsuperscript{+}14,
AYZ10, AGR17, BDB11, ELW15, HA13,
HDK\textsuperscript{+}11, HWLM11, KR12, MS10, STY\textsuperscript{+}14,
TLL11, Nil12a]. systematic [TD15].
Systems [BG17, BSA14, BNE16, CCH11,
DLPT14, Fox17b, HTW14, JMB12, LM15,
RTE\textsuperscript{+}13, SLES15, SLE\textsuperscript{+}17, AT16, DW10,
FH16, Fox17a, Hdl17, HWH\textsuperscript{+}12, HTLC10,
LPKG14, LTK17, MHR\textsuperscript{+}12, MAH12,
OIA\textsuperscript{+}13, PDPM\textsuperscript{+}16, RHT13, SDI\textsuperscript{+}17,
SSMGD10, SH12, TTD12, TWX\textsuperscript{+}10,
THC\textsuperscript{+}14, UIY10, Vit14, YRHBL13, VK12].

Tableau [FFF17]. Tagged [RKN\textsuperscript{+}18]. Take
[Kie10]. Taking [SWU\textsuperscript{+}15]. Tales [Sew12]. talk [Piz17, Sic17]. Taming [TLL11, SC16].
Tardis [BM14]. task [Fee16, TWL12, ZLB\textsuperscript{+}13].
TaskLocalRandom [PPMH15]. tasks
[HAW13, PPMH15, SPF\textsuperscript{+}10]. Taurus
[MAHK16]. Taxonomy [SS14]. Teaching
[HA13, SWF12, CHM13, ZDS14]. teasing
[LBF12]. Techniques [RD15, EV13, KS13].
Technologies [Fox17b, HTW14, VK12,
Fox17a, HTLC10, KFBK\textsuperscript{+}15, NL14, RHT13].
technology [NED\textsuperscript{+}13]. TeJaS [LPGK14].
Template [MME14, HJS\textsuperscript{+}10]. templates
[FOPZ14, AK13]. term [AHK\textsuperscript{+}11].
Terminating [FFF17]. Termination
[BMOG12, RDPC12, BSOG12, SMP10]. Test
[BB12, GGZ\textsuperscript{+}15, PSNS14, SR14a, SKR17].
tested [Mil13]. Testing
[Ame13, BR12, Hin13, M12, CSS\textsuperscript{+}16,
CNS13, Ler10, TD15]. tests
[AO11, NYCS12, SRJ15]. Textbooks
[BNP11]. their [RDP16]. theorem [SSH17].
There [Esq11]. thin [PPS16]. thin-air
[PPS16]. things [McK16]. Think [WR10].
Third [A015, FOPZ14, LVG10].
third-party [FOPZ14, LVG10]. THOR
[TWX\textsuperscript{+}10]. Thoth [KB17]. thread
[BKC\textsuperscript{+}13, CRAJ10, MGI17, PCL14, PG12,
SS10, YDFF15]. thread-level [MGI17].
threaded [DSEE13, JTO12, SE12, Taf13].
threads [UR15]. Three [ZMM\textsuperscript{+}16, Vit14]. TigerQuoll
[BBP13]. Time [BVEAGVA10, BBB\textsuperscript{+}17, BLH12, DLR16, Fox17b, HTW14,
JMB12, Kie10, KW11, Pau14, SLES15,
SLE\textsuperscript{+}17, VK12, BCR13, BM14, BVGVEA10,
BVGVEA11a, BVGVEA11b, BVGVEA13,
BVGV14a, BVGV14b, CRAJ10, DW10,
EABVG14, Fox17a, GMC\textsuperscript{+}13, HTLC10,
KH\textsuperscript{+}11, KPH11, KHL\textsuperscript{+}13, KVG\textsuperscript{+}14,
KW10, KSR14, LMK16, LTK17, MGI17,
Nil12a, PS10, PZF\textsuperscript{+}10, PSW11, Puf13,
RHT13, SP10a, SPPH10, SIE10, SP17,
SH12, TTS\textsuperscript{+}10, WAB\textsuperscript{+}11]. time-travel
[BM14]. time-triggered [EABVG14].
times [DW10]. timing [AGH+17, LS11].
TIMP [SLS+12]. tiny [Xue12]. tolerant [PZM+10]. Tool
[FMM+11, PQD12, SW12, ABFM12, CRAT+12, ETR12, KSR14, LS11, TWX+10].
Tool-supported [FMM+11]. Tools
[Bro12, ABK+16, VBAM10b]. toolset
[KvGS+14]. top
[RVP11, SGG+17, ZMY14]. top-
[SGG+17]. top-down [ZMY14]. Topics
[Hor11, Jen12]. topology [DDM11]. Trace
[HWM14, PiLCH11, SR14b, BBF+10, HWM13, HWI+12, IHWN12, WHIN11].
trace-based
[BBF+10, HWM14, HWI+12, IHWN12]. tracer
[CZ14]. traces [BA12, RGM13].
Tracing
[BP10, DLR14, DLR16, MD15]. track
[VSG17]. TrackEtching [VSG17].
Tracking
[SDC+12, KHL+13, OOK+10]. Tracks
[RGM13]. tradeoff [UTO13].
Traffic
[RRX+17]. Trail
[HHS+13]. Train
[MSK+16]. training
[KMN16]. trait
[BCD13, VM15]. traits
[BDGS13, BD17]. transactional
[DVL13, FC11, ZHCB15]. Transactions
[DeSG12, CHM16, DFR13].
transformation
[AST+16, PDDD17]. transformations
[AK13, MHH10, PMP+16, TL17].
Transforming
[dMRH12]. transitioning
[HWM14]. Translating
[RFRS14].
Translation
[BO12, LSWM16].
translations
[UTO13]. translator
[LSY16]. Transmission
[PE11, BVGVEA11b, BJBK12].
transparent
[BDG11]. travel
[BM14]. traversals
[ODL15]. Tree
[Lyw12, HLO15, KMMV14]. trees
[RBV16]. Trends
[MSS10]. trie
[SV17]. trie-based
[SV17]. tries
[SV15a, SV15b]. triggered
[EABVG14]. TRINI
[PDDP+16].
Trusted
[TWNH12, BCF+14]. tuning
[AAB+10, BVGVEAFG11, SKBL11].
Turing
[Gri17]. Tutorial
[Jen12, Nil12b, Taf13, Zak12]. TV
[JMO14].
twitter
[Guy14]. Two
[Has12]. Type
[BO13, CGJ+16, KSW+14, KATS12, Lei17, RKN+18, SGD15, WT11, ACS+14, AT16, BS13, CMS+12, DLM10, FH16, GBS14, HyG12, KMLS15, KRR+14, KRH16, Kvr1A14, LPGK14, LE16, MHR+12, SH12, TLL11, Zha12, eBH11]. Type-Based
[SGD15]. type-dependent
[LE16].
type-safe
[KML15]. typechecking
[CL17].
Typed
[BO13, KKK+17, MHL15, CMS+12, KRCH14, Lei17, RDP16]. Types
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