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].

/multi [Taf13]. /multi-threaded [Taf13].

'12 [Hol12]. 12th [Fox17a].

2015 [LSBV17]. 27th [KP15].

5 [KHR11].

6 [Jen12].

7 [Ano15, EV13, J+12]. 75 [HWM11].

8 [LYBB14, SAdB+16, UFM15].

9 [LSBV17]. 938 [Gun14]. 978 [Ano15].  
978-1-4493-1103-2 [Bro12].  
978-1-4919-4946-7 [Ano15].

Abbreviated [SRTR17]. ABS [SAdB+16].

absence [AGH+17]. Abstract
Approach [BDT10, CSF+16, DLPT14, KKW14, STST12, ADI13, CHM13, DHM+12, HLO15, Hdm17, J+12, MZC10a, MvH15, PSW11, RVP11, RO12, SNS+14].


Approximation [RvB14].


Architectures [KKK+17, RKN+18, ABCR10, Hos12, MS10, ZP14]. arena [TRE+13]. arithmetic [TGZ17].


Aspects [ABMV12, BH10, VBAM10b, VBMA11, WBA+11].

Aspect-Oriented [ABMV12, BH10, VBAM10b, WBA+11].

Aspectizing [TNTN12]. AspectJ [AC10]. aspects [LVG10]. Assertion [MM12].

Assertion-Based [MM12]. Assertional [LL15]. assertions [VYY10]. Assessing [GTSS11, JACS10]. assignment [KT15].

AST [DRN14, HWW+15, ZLBF14].

asymmetric [CBGM12]. asymptotic [ODL15]. Asynchronous [KW11, SK12, WK12, FZ17, KW10, LML17].

atomic [WAB+11]. Atomicity [GGRSY17, JLP+14, BHBS14, BNS12, GGRSY15, UMP10].

atomics [PPS16]. Attack [BH12]. Attacks [MSK16].

attribute [SHU16]. augmentation [DA13]. authentication [XHH12].

authorship [FMS+11]. auto [SKBL11].

auto-tuning [SKBL11]. automata [TLX17, ZWZ+14].

Automated [BH17, BSOG12, BMOG12, MS14, RGEV11, SDM12, ASdMG14, MRMV12, ZFK+16].

Automatic [GGRSY14, GGRSY15, GGRSY17, KKW11, MDS+17, MM16, Pqd12, Szi11, SD16a, SjPS10, SS16, WM10, XMD+17, ABK+16, FM13, PG12]. automatically [TB14].

Autonomic [DLPT14]. Autonomous [GMPS12].

average [DL14]. avoid [XR10]. Avoiding [FRC+17, ZBB17]. avoids [PPS16]. Aware [JYKS12, LZ12, BBXC13, CL17, EQT10, SSB+14a, SVG12]. awareness [VGS14].

axiomatic [TVD10].


barriers [HHJ10, WBM+10]. Based [AFGG11, DLR16, GM12, GGZ+15, GCC18, LTD+12, MvDL12, MM12, PTML11, PiLCH11, PE11, RBL12, RT14, SGD15, SLS+12, SWF12, AZY10, AST+16, ADI13, BBF+10, BBP13, BB17, CDTM10, CJ17, CPST14, CPST15, EKUR10, GMC+13, HWM14, HW1+12, HOKO14, HWW11, IHWN12, IRJ+12, JEC+12, JMO14, KATS12, KS13, KRCH14, KvRHA14, KS14, MCC17, MB12, MCY+10, PDPM+16, PSW11, SZ11, SBK13, SMP10, SY+16, SV17, SNS+14, UIY10, VSG17, XHH12, YP10, ZYZ+12].

basic [CZ14]. basic-block [CZ14]. basics [Zak12]. basierte [Ric14]. battlefield [WT10].

Bayesian [BSA14]. BeagleBone [Ric14]. before [TD15]. begone [MRMV12].

behavior [LWB+15, RLBV10, TABS12, WXR16].


Between [PVB17, ZLHD15, CMM17, CSF+16, LSBV16, LSBV17, RDP16, SH12].

Big [GTS+15, NWB+15, RVK15, BOF17, BBXC13, SS+14, WR10]. billions [DRN14].

[TD17]. Blame [KT15]. Bloat [MSS10, XMA+14, BRGG12, BBXC13, XR10],
bloat-aware [BBXC13]. block
[CT14, KBL14]. block-level [KBL14].
blocking [DW10]. Blockly [AMWW15].
Blueshell [PWA13]. boilerplate
[ZCdSKovdS15]. Book [ANO15, BRO12].
Boosting [ASV+16, AC16]. Bootstraping
[CBLFD12]. Bottle [DSEE13]. bottlenecks
[DSEE13]. bottom [ZMN14]. bottom-up
[ZMN14]. boundary [RDP16]. Bounded
[NWB+15, GMT14]. Bounds
[SW12, GvRN+11]. boxes [BDGS13].
breaking [VB14a]. Breakpoint [ZW13].
breakpoints [PS12]. Bridging [PVB17].
Bringing [CV14, HRS+17, STS+13].
Broken [dGRdB+15]. Browser [MSS16, PV17].
FIF+15, VB14a, WGW+11, YK14].
Browsers [HLSK13]. Brosex [PVB17].
Budget [GM12]. buffered [DLZ+13].
buffers [Gun14]. bug [LWH+10]. Bugs
[OBPM17, XMD+17, ECS15, MDS+17, ODL15, Ryu16]. Build
[BMDK15, BNE16, ELW15, MAH12].
Building [Sta10, HWW+15]. Business
[CCA+12]. Bytecode
[BDT10, BSG012, FHSR12, NS12, RDCP12, 
Reny13, AdCGGH16, CZ14, DLM10, SP10b, 
SMP10, VB14b].

C
[BB12, CDG+17, GCBC12, LSVB16, LSVB17, 
NED+13, SRTR17, Sta10, ZWSS+15]. C/C
[BB12]. C/C [NED+13]. CA [KP15]. cache
[IN12, ZP14]. caches [NGB16].
calculations [VSG17]. Calculi [FFF17].
calculus [AH10]. Call [FG12, PULL016, 
ZWZ+14, Xue12, SSB+14a]. Call-site
[SSB+14a]. calling
[HB13, SSB+14a, ZWZ+14]. Calls
[SW12, SS16]. cane [Car11]. can [TPG15].
capabilities [Ame13]. capability [RDF15].
cap[SM011]. capturing [BKC+13].
Card [GMPS12, ABFM12, dCMMN12].
Cards [BH12, GMPS12]. care [EKUR10].
Caring [DA13]. carry [Ame13].
Cartesian [SD16b]. Case
[ZMM+16, dGRdB+15, AMWW15, 
HNTL12, SPPF10, Vt14]. Cassandra
[FRM+15]. casts [SH12]. categorising
[CMM17]. Catena [TD17]. Causes
[OBPM17, FRM+15]. CAV [KP15]. CC
[LSBV16, LSVB17]. CCA [ZXL16]. Center
[Hol12]. centric [DHM+12, FOPZ14].
CERT [LMS+12]. chain [KSR14].
Challenges [GM12, Siet17, SR17]. Change
[YQTR15]. Changes [MvDL12]. Changing
[SSG+14]. channels [AGH+17, LS11].
Characterizing [CJ17]. check [GvRN+11].
Checking [BNE16, CSF+16, Chol14, JC10, 
JJYKS12, ABFM12, BHSB14, BNS12, 
CVG+17, DLM10, FLL+13, HMEDE12, 
KATS12, KvRA14, LT11, RR14, RAS16, 
RDF15, TVD10, VVY10]. checkpointing
[SGV12]. checkpointing-enabled [SGV12].
Checks [FMB15]. CHERI [CDG+17].
chip [PS10, Puf13, RS12, SPS17].
chip-multiprocessor [PS10].
chip-multiprocessors [RS12]. choice
[WBM+10]. CICS [R+13]. CIL [BBF+10].
circular [Gun14, S10]. Circus [ZLCW14].
City [Hol12]. Class [BS13, CSF+16, NCS10, 
HC10, MHM10, SC16, TSD+12]. Classes
[And14, SVB+17, WTN11, ZC14, S10, 
TSD+12, VBDPM16]. Classfiles [SD16a].
classification [SS14]. Classifiers [BSA14].
Classifying [MHM10]. Classless
[WZI+S17]. clicker [HA13]. Client
[MS14, OBPM17, KRH16]. Client-Side
[OBPM17, KRH16]. Client-State [MS14].
Clojure [ECG12, FH11, VS10]. Closing
[ZLHD15]. Closures [BO11, BO12, BO13].
Cloud
[VVD17, GGC18, LZYP16, TLMM13].
cloud-based [GG1816]. clustered
[PDP+16]. clusters [TRTD11]. Cocoa
[Sta10]. Code [BH17, BNE16, HC11, MM16, 
RK15, RLMM15, SRTR17, SVB+17].
SV15a, SED14, AGR17, AK13, CCFB15, DRN14, FH16, FMS+11, LVG10, NG13, OJ12, PMP+16, PSW11, RFRS14, RBV16, RO12, UTO13, VSG17, WKJ17, WGF11, WBA+11, WAB+11, WWS13, ZHL+12, ZXL16, ZWSS15]. coding [LMS+12]. coherent [ZP14]. Cold [BZD17, WGF11]. collected [AGGZ10], collecting [AHK+11].

Collection

Collection

Collection

GSD+15, IRJ+12, OA17, SAdB+16, SMSB11, VM10, Xue12. Designing
[Sev12b, KHR11]. Desktop [GS11].

destructive [FF10]. Detecting
[BK12, HLO15, PILCH11, XR10, FF10].

Detection [BH10, BSOG12, KCD12, MS14, RD15, XMA+14, AMT17, CSK17, LMK16, LS11, ODL15, PG12, RDF15, RW17, SR14a, SR14b, SS14, WCG14, XXZ13, XR13].
detectors [LWH+10]. Determinacy
[AM14]. deterministic [DNB+12, MVH15].
developer [EV13, Top11, ZZK13].

Developers
[BRG12, BM14, DJB16, HH13, Wam11].
developing [R+13]. Development
[ABK+16, AYZH10, AGR17, FRGPLF+12, PSW11, SKR17, SH12, WBA+11, ZDS14].
Device
[TTD+11, XHH12]. Devices
[GPT12, JQ+16, MV16, ETR+15, Xue12].

DFC
[BR12]. diagnosis
[RW17]. DiAl
[STCG13].
dialects
[BIvdS17]. difference
[PS11]. differential
[CSS+16].

Differentiation
[FHP+12, PQD12, SD16a].
digital
[MJO+14]. dimensional
[TG17].

Directed
[STR16, CSS+16, EPI14, Lei17, NG13, NED+13, WM10]. directives
[VGS14].

Discovering
[Sev12a]. discovery
[YKSL17]. discrete
[DDF17]. Disease
[PE11].

Dissimilar
[Has12]. Distance
[ZW13]. distributable
[CRAJ10].

Distributed
[BVEAGVA10, LTD+12, LM15, MAHK16, PE11, BVGVEA10, BVGVEA11b, BVVG14b, CRAJ10, EABVGV14, STCG13].
distributing
[TGZ17].

divide
[SBF+10].

Do
[HH13, Han15].

Does
[BRGG12, Rub14].

DOJ
[hNEYJ12]. DOM
[GGC18].

DOM-Based
[GGC18]. Domain
[KSPK12, CSdL16, EEE+13, HWW+15, PIR17].
domain-specific
[CSdL16, EEE+13, HWW+15].
dominance
[CPST14].

Doppio
[VB14a].

DoubleChecker
[BHSB14].
down
[Ker15, ZMN14].

drf
[MSM+16].

DRFX
[MSM+10, SMN+12].

Driven
[CCA+12, CHM13, FWDL15, MTL15, PDDD17, SR14b].
drug
[EKR10].

DSL
[KARO12].

DSLs
[KHR11, RO12, SC16].

DSU
[PVH14].

Dual
[AD16].

Dual-Pivot
[AD16].

Dynamic
[AGM+17, ABMV12, ASF17, CHMY15, MvDL12, PTHH14, RDF15, XMA+14, ZKB+16, AF12, BDB11, BK14, BCD13, BOF17, CSV15, CPST15, ELW15, GYB+11, HB13, KRCH14, KRR+14, KT14, LWH+10, LVG10, MKZ+14, Nil12b, NG12, NED+13, RLBV10, RCR+14, RR17, SR14b, SIPS10, SH12, TPG15, VBAM10b, WXR16, WBA+11, WAB+11, WWS13, WWH+17, ZBB15].
dynamic-memory
[GYB+11].
dynamically
[CG14, CMS+12, hEYJD12].

Dynamo
[BD11].

e-Science
[SGV12].
ease
[DRN14].

Easy
[Jafl3, CRP+10].
economic
[CSV15].
economics
[SJBL10].

Edition
[Ano15, LYBB14].
editor
[EKR+12].

Editorial
[Fox17a].

Editorials
[Fox17b, HTW14, RHT13].

EDSLs
[RDP16].

Educator
[BA17].

EE
[Jafl2, MCC17].
effect
[CCFB15].

Effective
[BM14, PTML11, RD15, CSdL16].
effectively
[UR15].
effects
[FH16, HAW13, Lei17].

Efficient
[DVL13, GPT12, HW11, HB13, KT14, KW10, OOK+10, RSF+15, RB14, SMN+12, TLX17, TD17, AK13, BHSB14, CRP+10, ETR12, HW10, KKW11, MRA+17, MSM+10, SIE17, SGV12, SWB+15, SV15a, TRTD11, UMP10, VVJB10, XXZ13].

efficiently
[FBH17, KBC+13, FOPZ14].

Einsatzszenarien
[Sch13].

Einstieger
[Ri14].

Elektronik
[Ri14].

Elektronik-Projekte
[Ri14].

Elephant
[RG13].

Elimination
[RKN+18, GvRN+11].

elision
[NM10].

Elliptic
[GPT12].

Eloquent
[Hav11].

Embedded
Finding [ES14, MSM], fragmentation [SC16, TSD].

Finite-State [CRP]. Flow-sensitive [PKO].

Feedback [BMDK15, JC10, AJL16], fault [RBL12]. Faults [SRTR17, ZKZ13].

Featherweight [RvB14], feature [AH10, KvRHA14, OJ12], feature-based [KvRHA14].

Feedback-directed [NED+13, NG13, WM10].

fields [PQTGS17].

FIFO [QSaS+16], filtering [HWI+12]. find [Ryu16]. Finding [XMA+10]. Fine [BVGVEAFG11, DRN14].

fine-grained [DRN14]. Fingerprints [MSSK16]. Finite [BLH12, MB12]. Finite-State [BLH12].

first [SC16, TSD+12]. first-class [SC16, TSD+12]. fix [TPG15]. Fixing [SRTR17, LTZ14].

flexibility [SBF+10].

Flexible [ES14, MSM+16, PKC+13, RHN+13, BCD13, KHR11, ZW10]. Flint [LTZ14].

Floating [Jaf13, AJL16].

Floating-Point [Jaf13, AJL16]. Flow [ASF17, FHSR12, LMK16, SS12, AdCGGH16, AF12, ABFM12, BK14, FWDL15, HBS16, KHL+13, LSWM16].

Flow-sensitive [LMK16]. FlumeJava [CRP+10]. fly [UJR14]. folding [CPST14].

Footprint [GS12, WHN11]. Forecasting [CC15]. foreign [LWH+10]. forge [Ler10].

fork [MNC10a], fork/join [MNC10a], form [GK15].


Forward [FOPZ14]. Foundation [CJ17]. Four [MSS10]. FPGA [OUE+13].

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fragmentation-tolerant [PZM+10].

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Framework [CCA+12, FFF17, LM15, PWSG17, RBL12, Ame13, AC16, DDDF17, ER14, FRGPF12, JEC+12, KMLS15, PKO+15, RR14, STY+14, ZW10, ZDS14]. frameworks [PPMH15].

Francisco [KP15]. free [DTLM14, FC11, GK15, HHH+14, NF15].

free-form [GK15]. free-lunch [DTLM14].

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fringe [MB12, MB12]. Full [SRTR17, DRN14]. Full-Word [SRTR17].

Fully [FSC+13, PG12, ZFK+16].

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future [SS16]. fuzzier [Guo17].

Game [MT14, Wan11]. Gap [PVB17, ZLHD15].

Garbage [AVS+16, BH12, GTS+15, QSaS+16, Sch13, SKBL11, AGGZ10, BCR13, BP10, BVGVE14b, BOF17, GTSS11, KPHV11, KBL14, NG16, PZM+10, PDP+16, Puf13, SP10a, SMB14, SIE10, SJBL10, UIY10, UJR14].

garbage-collection [SIE10].

GC [NGB16, RGM13]. GEMS [BSM16].


Generation [AGM+17, BH17, CRJ+10, PPMH15, PSNS14, RO12, UMP10].

generations [BOF17]. generators [SLF14].

generic [DDM11, Fer13, HH13, ZPL+10, eBH11].

generics [AS14, Grl17, PBHM13]. Genetic [YCYC12].

Genotyping [YCYC12].

GeoGebra [ABK+16]. geosciences [MCY+10].

German [Sch13]. get [Ame13].

Getaway [SLES15, SLE+17]. Gets [BH12].

getters [Mill3].

Getting [GMT14].

Giga [DHS15].

Giga-scale [DHS15].

glimpse [SP16].

Global [PE11].

Global-Scale [PE11].

Glotaran [SLS+12].

Goldilocks [EQT10].

Good [dGRdB+15].

Google [MG17, Sml12].

GPGPU [PQTGS17].

GPGPU-accelerated [PQTGS17].

GPU [PKO+15].

GPUs
[Hos12]. grade [CRJ+10]. Gradual
[RSF+15, SFR+14, TSD+12, Sie17]. grained
[DRN14]. grammars [GN16, SHU16].
granularity [CZ14]. Graph
[dAMRH12, BS13]. Graphical [SLS+12].
Graphics [Cec11, LLL13]. graphs
[AdCCGH16, DSEE13, JWM15, PUL16].
green [BRGG12]. Greenfoot [Köl10]. grid
[SGV12, VWJB10, MZC10b]. Gridifying
MZC10b]. grounded [EV13]. Growing
[EKR+12]. growth [LDL14], guarantees
[JWMC15, ZHCB15]. GUI
[CNS13, VGS14, WBA+11].
GUID-awareness [VGS14]. Guide
[Ame13, Oak14, Rau14, Top11]. Guided
[CNS13, MMP15, GY16, PNS14, SSH17].
Guidelines [GGZ+15, HLSK13].

Handling
[KW11, ECS15, HWM14, KW10, WK12].
happened [Han15]. happens [TD15],
happens-before [TD15]. hard
[LTK17, Puf13]. Hardware
[SKKR11, SPS17, CBGM12, IN12, SE12].
hardwired [OUI+13]. hash
[SV15a, SV15b]. hash-array [SV15b].
hashing [GRF11]. HDFS [IRJ+12]. HDL
[OUI+13]. health [EKUR10]. heap
[CSV15, LDL14, TLX17, Tar11, VYY10, YS10, BVGVE10]. heap-manipulating
[YS10]. Helping [RT14]. Hera [MS10].
Hera-JVM [MS10]. Heterogeneous
[ASV+16, HHH+14, Rub14, AYZ10, ABCR10, DFR13, MS10].
Heterogeneous-race-free [HHB+14].
heuristics [LMK16]. Hidding [RBL12].
hierarchy [BS13]. High [GSS+16, Hol12, IRJ+12. MSM+16, SWU+15, WN10, Zak10,
BRWA14, Hos12, RFB14, TTD+11, TGZ17, VVJB10, WHH+17, TREP+13].
high-dimensional [TGZ17]. high-level
[Hos12, RFB14, VVJB10].
High-Performance [WN10, GSS+16, BRWA14, TTD+11, WHH+17]. higher
[KT15]. higher-order [KT15]. highly
[BP10, SPP+10]. history [DRN14]. hit
[Ano13]. Hoare [SD16b]. hole [Ano13].
Holistic [MAHK16]. HOP [D’H12]. Hopjs
[SP16]. hosted [CBLF12]. hot [LMK16].
HotSpot [Sch13, BOF17]. HotWave
[ABMV12, VBAM10b]. HPC [JJQ+16].
HTML [Sta10]. HTML5
[HLO15, NKK16, Ano15]. Hunting
[GGC18]. HVM [LTK17]. Hybrid [CHM16, JQJ+16, JMO14, KCD12, VDV17, ZMNY14, ZMM+16, ADI13, HyG12, SWB+15].
Hybris [VDV17]. hygienic [DFHF15].
hypervisor [GMC+13].

IaaS [ZLHD15]. identification
[BZD17, FMS+11]. Identifier [SRTR17].
identifiers [FMS+11]. Identifying
[IN12, SVB+17]. if [Han15], illuminating
[BK14]. Image [WN10]. immutability
[HMDE12, ZPL+10]. immutable [SV15b].
impact
[CMS+12, Gra15, HWLM11, WKJ17].
imperative [RFRS14]. implement
[HdM17]. Implementation [CSF+16, GPT12, HM12, OA17, VGRS16, YP10].
implementations [CSS+16, OJ12].
Implementing [FFF17, GM12, WCB16, EEEK+13, FBH17, PMP+16]. implications
[BRGG12]. implicit [LvdS16, SPAK10].
imply [BRGG12]. Improve [QSaS+16].
Improved [KRR+14, UIY10, OJ12, XHH12].
Improving [ACS+14, HWT+12, TWS10, eBH11, UTO13]. in-depth [Rau14].
in-place [DVL13]. incremental
[DS16, ELW15, UIY10]. independent
[IF16]. industrial [CRJ+10]. insufficient
[XR10]. insufficiently-used [XR10].
Inference [BO13, YHY13, AGG10, CGJ+16, HyG12, HMDE12, Zha12].
infering [AS14, BENS12]. InfiniBand
[ETTD12, IRJ+12]. infinite [ASdMG14].
Inflow [ZMM+16]. influence [MHR+12].
Informa [HA13]. Information [ASF17,
HBS16, KHL+13, RKN+18, SS12, AF12, ABFM12, BVGVEA11b, CMS+12, RRB17.  
Information-flow [HBS16]. infrastructure [NG12].  
Inheritance [LN15, WT11, AST+16, GBS13, NCS10].  
Initial [LTD+12]. initialization [AMT17, MME14]. Initiation [FGR12].  
GPT12, GK15, HL13, HD17, Hdm17, Has12, HWM10, HWM13, HWM14, HA13, HM12, HTLC10, HKVG14, HI13, HOKO14, HGGCA11, Hor11, Hor12, HC13, HC10, HWLM11, HJ12, IHWN12, IN12, IF16, JC10, JEC+12, JQJ+16, JLL17, Jen12, JB12, JYKS12, JTO12, JHI11, J+12, JMB12, JMO14, KHR11, KHM+11, KMLS15, KS13, KW10, KW11, KM10, KSR14, KSPK12, KS14, KF11, LSBV16, LSBV17, LTD+12, LMK16, LSWM16, LLL13, LT11, LT14, LZYP16, LYBB13a, LYBB13b, LYBB14, LZ12, Loc13, LMS+12, LO15]. Java

[301x691]Java

[LPA13, LWC17, LTK17, LS11, Lyo12, MKZ+14, MS13, MME+10, MLGA11, MDS+17, MCC17, MPM+15, MZC10b, MKTD17, MM16, MHI10, MAH12, MB12, MCY+10, MSS10, MvH15, MT14, MDHS10, NM10, NCS10, NS12, Nil12a, Nil12b, NG13, Oak14, OOK+10, OMK+10, OIA+13, OUY+13, OW16, OJ12, OCF114, PS11, PTML11, PPT14, PTLL14, PL12, PILCH11, PBMH13, PPMH15, PMP+16, PQD12, PVH14, PTF+15, PS10, PDPM+16, PSW11, PuH13, PKC+13, QLBS17, RD15, RDC12, RTE+13, RTET15, RR14, RS12, RHT+13, RBL12, RAS16, RS12, Rey13, Rez12, RV11, RLM15, RB15, RV14, SSB+14a, SE12, SRTR17, STST12, SS12, Sch14, Sch13, Sch10a, SPPH10, SKKR11, SDH+17, Sch10b, SSMDG10, SZ10, Set13, SMSB11, SMS+12, SDM12, SW12, SVG12, SKBL11, SD16a, SJPS10]. Java

[SLS+12, SKR17, SS14, SP10b, SMP10, SP+10, SWB+15, SSB01, SSB14b, SPS17, SSG+14, STS+13, Sve14, SWF12, TRTD1, TTD+11, TTD12, TRE+13, TL11, TWX+10, TFPB14, TWH12, TTN12, TG17, TKL+15, UR15, UFM15, VSG17, VGRS16, VBTPM16, VBMD16, VGS14, VBAM10a, VBAM10b, VBMA11, WGF11, Wam11, WZdSOS17, WBM+10, WK12, WCB16, WN10, WR+10, WHY+13, WHIN11, WBA+11, WAB+11, WWS13, XHH12, XR13, XMD+17, Xue12, YP10, YKM17, YDF15, ZldvS17, Zak12, ZP14, ZLCW14, ZHL+12, ZXL16, ZKB+16, ZWS15, ZPL+10, ZDS14, dCMMN12, dMRH12, eBH11, hED12, Java-Based

[AFFG11, SLS+12, SWF12, CJ17, HOKO14, JMO12, KS13, KS14, MB12, MCY+10].

Java-compatible

[ABCR10].

Java-like

[BDGS13, BCD13, DJLP10, SZ10].

Java-to-HDL

[OUY+13].

Java-to-JavaScript

[LSWM16].

Java.utils.Collection.sort

[dGRdB+15].

Java/JSP

[Sch10b].

JavaBean

[MZC10a].

JavaBIP

[BMSZ17].

JavaCC

[GN16].

JavaCOP

[MME+10].

JavaAdaptor

[PKC+13].

JavaFX

[Top11].

JavaGI

[WT10, WT11].

JavaScript

[Ano15, Ric14, AMT17, ACS+14, AHK+15, AGM+17, AMWW15, BCF+14, BBP13, Cec11, CGJ+16, CVG+17, CBLFD12, Chol14, CJ12, Dei10, Dei11, DcSG12, DFHF15, FMM+11, FM13, FH16, FBH17, FSC+13, FZ17, FOPZ14, GMS12, Guo17, HyG12, Hav11, HBS16, HLSK13, HHSS13, HC11, KR12, KSW+14, KRI16, KT14, Ker15, KFBK+15, Kie10, KBL14, KARO12, Kri12, LSWM16, Ler10, LVG10, LPKG14, Liu14, LML15, MLT17, MPS12, MGI17, MH15, MRMV12, Mil13, MM12, MMP15, NKH16, NSD17, OBPM17, PWG17, PL14, PSR15, PDD17, PKO+15, Rau14, RLBV10, RGEV11, RHN+13, RW17, Ryu16, SMN+18, Sev12a, Sev12b, SVB+17, SDC+12, Sta10, Ste10, SR17, SFR+14, TTT1, VM15, VB14b, Wal12, WXR16, YW13, Zak10, KCD12, Mei14].

JavaScriptCore

[Piz17].

JaVerT

[SMN+18].

JAWS

[PKO+15].

JBInsTrace

[CZ14].

JCloudScale

[ZLHD15].

JCMS

[dCMMN12].

JCSi

[ABFM12].

JCSP

[WBM+10].

JDiffraction

[PQTGS17].

JDMM

[ZP14].

JEqualityGen

[GRF11].

JET

[LT11].

JGRIM

[MZC10b].

Jinn

[LWH+10].

JIT

[BBF+10, BB17, CMS+12,
HWM14, IHWN12, JK13, NED+13, RSB+14, WKN17, ZYZ+12. JIT-based [BB17]. JITs [KRC14], jMarkov [CRAT+12], JML [CRI+10], JDI [CDG+17], Journey [Ryu16], joy [FH11], JP2 [SSB+14a], JPC [CMM17], jQuery [AM14, PIR17], JR [OW16], JR-like [OW16], JRE [CZ14], JS [AHK+15], Js_of_ocaml [VB14b], JSART [MM12], JSetL [RB15], JSON [BB17], JSorndb [Dei10], JTabWb [FFF17], JTRES [HTW14], JTRES2011 [RHT13], JTRES2013 [Fox17b]. JTRES2014 [Fox17a], judgment [CSV15], Juliet [BB12], July [Bro12, KP15], jungle [Sew12], Just [DLR16, KHL+13, LMK16, MGI17, TTS+10], Just-in-Time [DLR16, KHL+13, LMK16, MGI17, TTS+10], JVM [AC16, AFG+11, CSS+16, Guy14, MS10, PVH14, R+13, RRB17, SV15b, Sub11], JVMs [BK14, ZYZ+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 [DBJ16, Gra15, Han15], Knowledge [KSPK12, UMP10], known [Han15], Kraken [Ano14], Lake [Hol12], lambda [MKT17], lambdas [UFM15], landscape [Sve14], Language [DLPT+14, GJS+13, GJS+14, JC10, KSPK12, MAHK16, Sev12b, SS13, ABCR10, CMM17, CsdL16, DAA13, EKR+12, Fee16, GSS+16, Hos12, HWW+15, KRCH14, LWH+10, LE16, MDM17, SC16, SZ10, SKR17, SNS+14, VB14a, WCG14, WWH+17, ZWSS15, dCMMN12], language-level [WC14], Languages [CSGT17, MSM+16, PTHH14, YKM17, AGGZ10, BCD13, CMS+12, EEE+13, ER14, FMBH15, Han15, HBT12, HJS+10, KRR+14, MSM+10, NED+13, PULO16, SPY+16, Zha12], LARD [WC14], Large [BA17, AST+16, CCFB15, LSBV16, LSBV17, MDS+17, MCY+10, PTF+15, WHIN11], Large-Scale [BA17, MDS+17, MCY+10, PTF+15, WHIN11], Larus [DD13], Latency [MV16, ETR+15, JH11], laws [DMS11], Layer [SKK+11], layered [CR+14], lazy [TD15], Leading [MS10], leak [SS14, XR13], Leaks [And14, RW17], LeakSpot [RW17], lean [BGRG12, SV15b], Learn [RT14], Learning [Pau14, RT14, CNS13, KC12, Ano15], learnt [GY16], Legacy [SVB+17, CDT10], Legally [Sam12], length [SMP10], Less [BNE16], Level [AC16, SWU+15, EKUR10, Hos12, IHWN12, KBL14, LWC17, MGI17, RFBJ14, TDD+11, VWJB10, WCG14], Lexical [GN16], Libraries [BK12, RDCP12, BlvdS17, Cho14, EKR+12, PMTL14, TDD+11], Library [OCFL14, WN10, CMM17, PMP+16, PQTGS17, TFPB14, TGZ17], License [GD12], Life [Esq11], LIFT [BTR+13], Light [MvH15], Light-weight [MvH15], Lightweight [BW12, KBL14, KKK+17, RO12], like [BDGS13, BCD13, DJLP10, PMTL14, SV10, VGS14, OW16], Lime [ACBR10], line [SV17], linearizability [LTZ14], lines [BTR+13, KATS12], linguistic [UR15], Linux [Ric14], Linux-basierte [Ric14], Listener [JH11], little [Han15], liveliness [LDL14], load [PDPM+16], loading [WGF11], local [DDDF17], localised [SP16], locality [HJH10, OJ12], localize [ZZK13], location [NCS10], Locators [SDM12], Lock [FC11, NM10, NFV15, UMP10], Lock-free [FC11, NFV15], Locking [GGRSY17, JTO12, GGRSY14, GGRSY15], locks [SPS17], logging [CJ17], logic [GMS12, SD16b], loop [DD13, HW1+12], Loops [RD15, LLL13], loss [WHIN11], Low
m \text{ [MZC10b]. \ m-JGRIM [MZC10b]. \ M2M [Pau14]. \ Machine [LYBB14, Ame13, CBLFD12, KS13, KC12, Piz17, SSMGD10, WGF11, WHV+13, BDZ17, LYBB13a, LYBB13b, LTK17, PTHH14, SSB+14a, Sch13, Set13, SMB11, SGV12, SSB01, SSB14b, UR15]. \ Machines [AGR12, GTS+15, JK13, KRCH14, NK10]. \ macros [DFHF15]. \ Magic [SP10b]. \ Magic-sets [SP10b]. \ Magnitude [BNE16]. \ major [Ano12]. \ Making [Loc13, Sta10, PS11]. \ malformed [SHU16]. \ Malicious [KCD12]. \ malleable [MZC10a]. \ malware [CSK17]. \ Managed [MAHK16, BM14, CBGM12, GTL+10, ZIvdS17]. \ Managed-Language [MAHK16]. \ Management [Pau14, AHK+15, BVGV14a, EKUR10, HB13, KCP+17, KB17, Nil12b, PCL14, SWB+15, Tar11, WGW+11]. \ manipulating [YS10]. \ Manipulation [MS14]. \ manual [KCP+17]. \ many [GTSS11]. \ Map [BBB+17]. \ mapped [SV15b]. \ Mapping [LTD+12, UR15]. \ MapReduce [LZYP16, RFRS14, SKBL11]. \ maps [NFV15]. \ mashup [ETR12]. \ masses [Ivd16]. \ mastering [Sub11]. \ Mathematical [BW12]. \ MATLAB [Alt12, FBH17, PMLTL14, VF10, Has12]. \ MATLAB-like [PMLTL14]. \ matrix [HD17, TGZ17]. \ matters [DJB16]. \ Maxine [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]. \ memoization [TPG15]. \ Memory [BG17, JYKS12, 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, OKM+10, RW17, SMS+12, SMN+12, SWB+15, SV15a, Tar11, TVD10, WGW+11, XR13, ZP14, ZHCB15, ZBB17]. MemSAT [TVD10]. \ Merge-sort [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]. \ metaheuristics [DDDF17]. metaprogramming [PS11]. \ Method [AC16, BVGV1AFG11, GD12, AST12, AJL16, HMDE12, SS16, VBM16]. \ Method-Level [AC16]. Methods [MM16, Pau14, Bra14, GFR11, LSBV16, LSBV17]. \ Metrics [Sch13]. \ Metriken [Sch13]. \ Microscopic [RXX+17]. \ Microsoft [Ano13]. \ Middleware [RTE+13, HOKO14, HWLM11, MZC10b]. middleware [IF16, MT14]. \ midstream [GGC+18]. \ Migrating [AST+16, CDTM10]. \ Migration [OwKPM15, Fee16]. migrations [TFPB14]. Miniboxing [UTO13]. \ minimal [CNS13]. \ mining [DRN14]. Mint [WRI+10]. \ minute [DHS15]. minutes [BTR+13]. \ misconfigurations [MCC17]. Mismatch [YC12]. \ misses [IN12]. Missions [WCB16]. \ Mistakes [BA17]. \ Mitigating [KC12]. \ mixed [CL17]. \ Mobile [GM12, GPT12, MV16, XHH12, GGC18, KF11, MZC10b]. \ Model [CSF+16, CDG+17, CCA+12, DLR16, JYKS12, MSM+16, MCC17, MV16, BVGV1A1a, CHM13, CWW13, CV14, DLZ+13, GY16, HAW13, Loc13, LSSD14, MLT17, SMN+10, PSW11, RR14, RBV16, RAS16, RFD15, SMN+12, SSG+14, WVJB10, ZP14, ZXL16].
Modeling [GBC12, JC10, KSPK12, LDL14, Rey13, CRAT+12, SKR17, TLX17, ZlvdS17].
Models [CC15, PE11, ZLCW14, AGR17, HHH+14, TVD10, ZBB17]. modern [FIF+15, Hav11, JK13, KB17, WGW+11].
modernization [Nil12a]. Modular [IvdS16, LN15, RDCP12, MRA+17, RO12].
Modularisation [SDM12]. modularity [SPAK10]. module [KR12].
Monitoring [AGR12, DJLP10, ES14, KF11]. Monitors [BLH12, HM12]. mori [CPST15].
Multi [JTO12, RTE+13, DSEE13, Fee16, FC11, GSS+16, IHHW12, MS10, Puf13, SE12, SKBL11, TRTD11, Tar11, WRI+10].
multiplexing [BVGVEAFG11]. Multiprocessing [VGS14]. multiprocessor [PS10, PWA13, SPS17].
Multiprocessors [KW11, RS12].
Multithreaded [KKW14, SR14a, BNS12, DJLP10, Fer13].
MySQL [Ano15].
Names [SRTR17]. Naming [STST12].
Native [JQJ+16, LT11, LT14, KFBK+15, STS+13].
Natural [LL15]. naturalness [HBG+16].
NDetermin [BENS12]. nested [CHM16, ZLB+13]. Netflix [Liu14].
Network [CC15, GGC18, RR14]. Networking [Hol12]. Networks [AFGG11, ETR+15]. neuromorphic [HNTL12]. next [CRJ+10]. NG2C
[BOF17]. Nixon [Ano15]. No [BVGVEA10].
No-Heap [BVGVEA10]. NoCs [PWA13].
Node [HC11, BJBK12]. Node.js [BSMB16, MTL15, Ano14]. nodes [DRN14].
Nominal [BO13]. Non [BVGVEA11b, BSOG12, GGZ+15, TD17, YKM17, MZC10a, OKM+10, ZP14].
Non-Adequate [GGZ+15]. non-cache-coherent [ZP14].
Non-equivocation [TD17].
Non-functional [BVGVEA11b]. non-intrusively [MZC10a]. Non-Java [YKM17, OKM+10]. Non-termination [BSOG12].
Nonblocking [RTET15, SP10a]. Nondeterministic [RB15, BENS12].
noninterference [IF16]. Nopol [XMD+17].
NoSQL [DFR13]. Notation [Sev12a].
Novel [NK10, MZC10b]. November [Hol12]. Novice [BA17]. Novices [RT14].
nul null [AT16]. NullPointerExceptions [BSOG12]. NUMA [GTS+15]. NumaGiC [GTS+15]. number [PPMH15, SLF14].
Numbers [Jaf13, AJL16, Wal12].
Numerical [KS15, KFBK+15, PQTGS17]. NXT [SWF12].

Obfuscated [KCD12]. obfuscation [CCFB15]. obfuscations [CSK17]. Object [CSGT17, GS11, LZ12, NWB+15, PTHH14, PiLCH11, Sev12a, SW12, AST+16, BZD17, DDDF17, FMBH15, IvdS16, MME14, MHBO13, RDF15, UJR14, VM10, WM10,
AAB\textsuperscript{+}10, BRGG12, BRWA14, CBGM12, Dei11, GSS\textsuperscript{+}16, HWI\textsuperscript{+}12, IRJ\textsuperscript{+}12, JH11, ODL15, PNSN14, SE12, TTD\textsuperscript{+}11, TXW\textsuperscript{+}10, WHIN11, WWH\textsuperscript{+}17, Zak10, 

performance-guided [PSNS14]. 

permission [HBT12, SNS\textsuperscript{+}14], permits [FPS16]. Persistence [LZ12]. Perspective [YHY13]. Pert [LZ12]. pervasive [MHM10]. 

PHALANX [VYY10]. phase [KC12]. 

phase-ordering [KC12]. phoneME [RDCP12]. Phosphor [BK14]. PHP [Ano15, TTS\textsuperscript{+}10]. Phynx [EKUR10]. 

physics [JEC\textsuperscript{+}12]. pickler [MHBO13]. 

pickles [MHBO13], pipeline [LPA13]. pipelines [CRP\textsuperscript{+}10]. Pivot [AD16]. place [DVL13]. Plan [DLZ\textsuperscript{+}13]. Platform [AFGG11, PE11, BD17, CRJ\textsuperscript{+}10, GMC\textsuperscript{+}13, MKZ\textsuperscript{+}14, PWA13, YP10]. Platforms [DR10, Has12, BPO14, JMO14, KSR14]. 

PLDI [FLL\textsuperscript{+}13]. pluggable [MME\textsuperscript{+}10]. 

Point [Jaf13, AJL16], pointer [TL17]. Pointers [BK12, SDC\textsuperscript{+}12, DHS15, SBK13, TLX17]. 

Points-To [SDC\textsuperscript{+}12, DHS15, SBK13, TLX17]. Policies [FHSR12, MPS12, BVGV14a]. policing [DW10]. policy [JK13]. polyglot [EV13]. 


Popular-but-Seemingly-Dissimilar [Has12]. portable [LTK17, RGM13], portal [MCY\textsuperscript{+}10]. Power [MV16, Pau14, BRGG12, CBGM12, THC\textsuperscript{+}14]. pp. [Bro12]. PQL [RS12]. 

Practical [AMT17, JACS10, SLES15, VS10, WWH\textsuperscript{+}17, FIF\textsuperscript{+}15, WT10]. 

Practice [HGCA11, AS14, EKUR10, LW17C, TRE\textsuperscript{+}13]. practices [CJ17, YW13]. 

pragmatic [RO12], pre [SBK13]. 

pre-processing [SBK13]. Precise [PIR17, XR13, BHSB14, CVG\textsuperscript{+}17, HyG12, PG12, RGM13, TLX17]. precision [RSB\textsuperscript{+}14]. Predicate [PL12]. predictable [LTK17]. Predicting [BSA14, RVK15]. 

prediction [ZWZ\textsuperscript{+}14]. presence [ZBB15]. 

preserving [AK13]. pressure [DTLM14]. 


Proactive [CL17], PROB [YP10]. 

Probabilistic [RBV16, GY16, ZWZ\textsuperscript{+}14]. 

Problem [YHY13, ZW13, J\textsuperscript{+}12, KC12]. 


Processor [TKL\textsuperscript{+}15, Pufl13, SPPH10, SMN\textsuperscript{+}12]. 

Processors [ASV\textsuperscript{+}16, MKG\textsuperscript{+}17]. producers [DAA13]. product [BTR\textsuperscript{+}13, KATS12, KvRHA14, SV17]. 

product-based [KvRHA14]. production [RGM13]. professionals [JACS10]. profile [VSG17, WKJ17]. profiler [DTLM14]. profilers [MDHS10]. profiling [DD13, JH11, KRK16, NIK10, RCB17, SSB\textsuperscript{+}14a, STY\textsuperscript{+}14, THC\textsuperscript{+}14, XR13, ZBB15]. 

Program [BGK17, KKW14, RVK15, RT14, ZKB\textsuperscript{+}16, AO11, DS16, GMS12, HC14, JJL17, JWMC15, KM10, KZM16, MKZ\textsuperscript{+}14, NS13, Sch10a, SPY\textsuperscript{+}16, TABS12, WGF11, ZMB\textsuperscript{+}14]. Programmable [OA17, AYZI10]. Programmers [Esq11, RLMM15, Rau14]. Programming [AFGG11, ABMV12, BCR11, Bro12, BA17, DLPT14, HWM11, HGCA11, Kö10, KSPK12, LM15, McK16, PTML11, RSI12, RB15, SS13, Sub11, Alt12, AMWW15, BcvC\textsuperscript{+}13, BMR14, BSMB16, BRWA14, CL17, ECG12, EV13, FMHB15, Han15, HA13, Hav11, Lew13, MSM\textsuperscript{+}10, MvH15, OW16, PTF\textsuperscript{+}15, RVP11, RFB14, SNS\textsuperscript{+}14, SGG\textsuperscript{+}17, TB14, UFM15, VWJB10, VBAM10b, Wam11, WRI\textsuperscript{+}10, WBA\textsuperscript{+}11,}
Programs
AGR12, BH17, BR12, BMOG12, GS11, JB12, LTD+12, STST12, SS12, SDM12, SR17, XMD+17, ZLCW14, ASMGM14, AdCGGH16, BA12, BNS12, DJLP10, ECS15, ES14, EP14, Fer13, HL13, IN12, LO15, LPA13, MRMV12, NG12, OJ12, PL12, RR14, RAS16, RLBV10, SMS+12, SZ11, SJS10, SHU16, Taf13, YS10, dCMNN12, hEYJD12.

progress [Sie17, ZHCB15].

Project [Wan11].

Projects [ZMM+16, CJ17].

Projekte [Ric14].

Proof [LL15].

Proofs [BMOG12].

propagation [IvdS16, PQTGS17].

Properties [BO11, RVK15, SS12, FWDL15, SD16b, YS10].

Protecting [MPS12].

Proof [CMM17, Tar11].

promises [MLT17], promising [KHL+17].

provably [AdCGGH16, DJLP10].

providing [OW16], proving [AGH+17, Taf13].

Proxies [VM10, Eng13, KT14].

PSE [KS15].

pseudorandom [FPMH15, SLF14].

published [LSBV17], pure [SS16].

Purely-Declarative [RS12, NFV15].

purely-functional [NFV15].

Purity [NSDD17, HMDE12].

Python [Ric14].

Quality [BNP11, CCFB15, WKJ17].

Quantitative [CPV15, GYB+11, MRA+17].

queries [KP15, MRA+17, SGG+17].

query [FWDL15].

query- [FWDL15], questions [KM10].

Quicksort [AD16].

R [KMMV14, NL14, SLS+12, Vit14].

Race [BH10, EP14, RD15, AMT17, EQT10, HHH+14].

race-aware [EQT10].

races [FF10, WCG14, XZX13].

Racket [YK14].

racy [SRJ16].

Range [BS12].

rapid [PWA13], raw [HH13].

rays [SBF+10].

RCDC [DNB+12].

RDMA [ETR+15, IRJ+12].

RDMA-based [IRJ+12].

RDMA-enabled [ETR+15].

re [NCS10].

re-location [NCS10].

Reachability [NS13].

reactive [BCvC+13, MvH15].

read [NM10].

read-only [NM10].

Reading [Jaf13].

ready [RHSD15].

Real-Time [BVEAGVA10, BBB+17, Fox17b, HTW14, KW11, Nil12a, Pau14, SLES15, SLE+17, VK12, BCR13, BVGVEA10, BVGVEA11a, BVGVEA11b, BVGVEA13, BVGV14a, BVGV14b, CRAJ10, DW10, EABVG14, Fox17a, GMC+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, EABVG14, Fox17a, GMC+13, HTLC10, KHM+11, KPHV11, KvGS+14, KW10, KSR14, LTK17, PS10, PZM+10, PSW11, Puf13, RHT13, SP10a, Sie10, SPS17].

Reasoning [LN15, ABK+16, MLT17].

Recaf [BlvdS17].

recipies [J+12].

recompilation [NED+13].

Reconfigurable [OUY+13].

realtime [OUY+13].

Reasoning [LN15, ABK+16, MLT17].

Reducing [MV16, WHIN11].

Reduction [BO12, TD15].

redundant [HLO15].

Refactoring [AS14, STST12, ZHL+12, FMM+11, FM13].

Reference [Sch14, UJR14, HMDE12].

refinement [GY16, JLP+14, KSW+14, ZMG+14, ZFK+16].

Reflexes [SPP+10].

regions [AC10].

register [ZYD+12].

register-based [ZYD+12].

Regression [MM12].

regular [PIR17].

reification [RBB17].

Refied [GBS14].

Reim [HMDE12].

Relminder [HMDE12].

relation [TD15].

relational [MLGA11].

relationship [LSBV16, LSBV17, SH12].

relaxed [DNB+12, KHL+17, PPS16].
relaxed-memory [KHL+17]. Release
[Ano14]. reliability [HWLM11]. relying
[IN12]. Remodularizing [OJ12]. Remote
[BVGV14a]. removal [PLR14]. removing
[MRMV12, WGF11].
rename [FM13]. Repair
[XMD+17, MDS+17, SHU16]. repeatability
[Vit14]. replacement [BCD13]. Replay
[BH12]. replication [CJI17, UIY10].
replication-based [UIY10]. report
[CBLFD12, Sch10a]. Reports [OW16].
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