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

\[ \text{3} \]  
\([\text{DiP18b}, \text{FLZ}^{+}18, \text{GBC12}, \text{JEC}^{+}12, \text{ZXL}16]\]. \$39.95 [\text{Ano18}]. 4 + 1 [\text{SRB18}]. \text{\&P} [\text{LTK17}].  
\(C_p [\text{AÖ11}], K [\text{PLL}^{+}18, \text{SD16b}, \text{SGG}^{+}17].\) \(N [\text{ADJG19}, \text{WZK}^{+}19]. Z_p [\text{AÖ11}].\)  
\(-\text{core} [\text{PLL}^{+}18]. -\text{overlap} [\text{ADJG19}].\)  
\(-\text{safety} [\text{SD16b}]. -\text{Tier} [\text{WZK}^{+}19].\)  
\(/\text{multi} [\text{Taf13}]. /\text{multi-threaded} [\text{Taf13}].\)  
'12 [\text{Hol12}]. 12th [\text{Fox17a}].  
2 [\text{HD17}]. 2002 [\text{FLL}^{+}13]. 2003 [\text{BCR13}]. 2008 [\text{HGCA11}]. 2012 [\text{HTW14}, \text{Hol12}]. 2015 [\text{LSBV17}]. 27th [\text{KP15}].  
5 [\text{KHR11}].  
6 [\text{Jen12}].  
7 [\text{Ano15}, \text{EV13}, J^{+}12]. 75 [\text{HWM11}].  
8 [\text{BKP16}, \text{CWGA17}, \text{LYBB14}, \text{SAdB}^{+}16, \text{UFM15}].  
9 [\text{Bla18}, \text{LSBV17}]. 938 [\text{Gun14}]. 978\]
Abbreviated [SRTR17]. ABS [SAdB+16]. absence [AGH+17]. Abstract
[AGR12, BDT10, DLR16, KPP12, XMA+14, DLM10, DLR14, FSC+13, KMMV14, NSDD17, SSK13]. Abstraction
[BW12, Bro12, GY16, SKKR11, PL12, ZMG+14, ZFK+16]. Abstractions
[NYCS12, RFB14, UR15, SPP+10]. accelerated [PQTGS17]. Accelerating
[KMZN16, ZLBF14]. Accelerator
[MAK19, OIA+13]. accelerators [PWA13]. Access
[CSGT17, HBT12, TT11, TNTN12, BB17, KT14, MHHM10, RHN+13, XHH12]. Accessibility
[STST12, VBMDP16]. Acculoclock
[XXZ13]. accuracy [MDHS10]. Accurate
[Jaf13, RRB17, ZBB15, XXZ13]. accurate
[MMDHS10]. ACDC
[AHK+15]. ACDC-JS
[AHK+15]. across
[DD13, DFR13, HLSK13]. action
[KB17, UFM15]. Actor
[RCB17]. actors
[Sub11]. Ada
[Car11, Sch10a, WCB16]. adaptable
[ADI13]. adaptation
[VBAM10a]. Adapter
[SK12]. Adaptive
[AFG+11, IHWN12, NFV15, RXK+17, CL17, PKO+15, PDP+16, VBAM10]. add
[DLM10]. adding
[MZC10a]. addressing
[GD10, VBMDP16]. Adequate
[GGZ+15]. ADiJaC
[SD16a]. Adoption
[PBMH13]. Adriaan
[Ngo12]. Advanced
[Horn11, VBAM10a, DJM18, Jen12]. Advances
[FHP+12]. Adversarial
[FF10]. Aegis
[Nil12a]. æMinium
[SNS+14]. affects
[LO15]. affordable
[BM14]. Agent
[AFGG11, PE11, RVP11, Den18]. Agent-Based
[PE11]. agent-oriented
[RVP11]. aggregates
[BCR11]. Agility
[Bro12]. Ahead
[BLH12, JMB12, PKPM19]. Ahead-of-Time
[JMB12, PKPM19]. Aided
[KP15]. air
[PPS16]. Ajax
[MvDL12]. Ajax-Based
[MvDL12]. algebraic
[Lei17]. algebras
[IvdS16, ZCdSOvdS15]. Algorithm
[YCYC12, ZW13, MT13, MLM17, Por18, Gun14]. Algorithmic
[FHP+12]. Algorithms
[BF18, GT10b, Gra15]. Aliasing
[NS12]. Alignment
[NBB18]. alike
[DA13]. Allocation
[CPST14, WZK+19, CPST15, OOK+10]. allocation-site-based
[CPST15]. Almost
[NWB+15, SC16]. alternatives
[SHU16]. Alting
[WB10]. always
[AJL16]. Analyses
[Kri12, HB13, KMZN16, PMP+16, ZMG+14]. Analysis
[ADJG19, AGM+17, CPV15, Hol12, KCD12, LHR19, MvDL12, NS12, RDCP12, RPP19, SGD15, SW12, SDC+12, SLES15, SLE+17, SR17, VP16, ZKB+16, AM14, Bra14, CFH+13, DHS15, GYB+11, HCN14, HWLM11, KSW+14, KT14, KGSV+14, KPP+18, LSVB16, LSVB17, LT14, MTL15, MKZ+14, MCC17, MB12, NSDD17, NS13, PIR17, PLR18, Puf13, RLBV10, RRB17, SPP10, SMS11, SBK13, SP10b, TLX17, TXW+10, TLMM13, TL17, TPG15, WA19, ZMNY14, ZWSS15, CH17]. Analytics
[BBB+17, KB17, STCG13]. analyzer
[Fei13, GN16, SMP10]. Analyzing
[PLL+18, ZDK+19, BTR+13, PSNS14]. Android
[CNS13, MPP+12, STY+14, THC+14, ZHL+12, ZKB+16, vdMvD12]. AngularJS
[RVT18]. Ann
[CSdL16]. annotated
[TJLL18]. annotation
[CV14, KATS12]. annotation-based
[KATS12]. annotations
[CSdL16, BSL14, MGS19]. announcement
[SPAK10]. anomalies
[FRM+15]. answering
[KM10]. any
[FIF+15]. anytime
[STCG13]. anywhere
[STCG13]. AOP
[WAB+11]. AOT
[WK17]. Apache
[CJ17, FRM+15]. apart
[LB12]. API
[FH16, MPM+15, TWHN12, WA19, YKSL17]. APIs
[HBS16, RDP16, SM12, SRB18, VM10]. app
[Ngo12, Sta10]. Apple
[ANO13].

Application [BH12, CCA+12,KF11,KB11,LZ12,RDCP12,RLMM15,SWF12,WZK+19,AYZI10,AAB+10,AÖ11,Del13,FRGPLF+12,HWLM11,LBF12,OUY+13,SE12,WA19,WAB+11,XH12,HD17].

Application-Aware [LZ12].

Application-Replay [BH12].

Applications [GMPS12, GD12, MAHK16,MGI14,MvDL12,MPM15,NKH16,NWB+15, OwKPM15,RPP19, SLES15,VP16,WBA+11,AMT17,AST+16,AC16,AMWW15,ADI13,ABFM12,DSEE13,BOF17,BBXC13,EABVGV14,GMC+13,HLO15,JH11,MTL15,MZC10a,MZC10b,PLR14,PKC+13,RHSD15,R+13,RVP11,RW17,Ryu16,Sc10b,SAdB+16,SGV12,SP+10,TWX+10,WHIN11,XGD+19, vdMvdMV12]. applying [CMM17].

Approach [BDT10,CSF+16,DLPT14,KKW14,LYM+18,STST12,ADI13, FGB+19,CHM13,CSKB12,DMH+12,HLO15,HD17, J+12,MZC10a,MvH15,PSW11,RVP11,RO12,SNS+14].

approachable [WHV+13]. approaches [GD10,MD15,SS14]. approximate [CNS13]. Approximation [RvB14].

Approximations [SS12]. apps [BM18,CNS13,MMP+12, Ngo12,Sta10].

Architectural [CSGT17,KKK+17].

Architecture [GMPS12,Wan11, AMWW15,Del13,Gon11].


Aspect [ABMV12,BH10,VBAM10b, VBMAM11, WBA+11]. Aspect-Oriented [ABMV12, BH10,VBAM10b,WBA+11].

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

Assertion-Based [MM12]. Assertion-Based [LL15]. assertions [VYY10].


Asynchronous [KW11,SK12,WK12,FZ17,KW10,LML17]. atomic [WAB+11]. Atomicity [GGRSY17,JLP+14,BHSB14,BNS12,GGRSY15,UMP10]. atomics [PPS16].


automata [TLX17,WZ+14]. Automated [BH17,BSOG12,BMOG12,MS14, RGEV11,SDM12,TJL18,UPR+18,AsdMGM14,MRMV12,ZKF+16]. Automatic [GGRSY14,GGRSY15,GGRSY17,IS18,KKW11, LXP18,MM16,PQD12,PBM+19,SZ11,SD16a,SJPS10,SS16, WM10,XMD+17,ABK+16,FM13,PG12].


Avoiding [FRC+17,ZBB+17]. avoids [PPS16]. Aware [JYKS12,LZ12,BBXC13, CL17,EQT10,SSB+14a,SGV12]. awareness [VGS14]. axiomatic [TVD10].

Big [BF18, GTS+15, NBW+15, RKV15, BOF17, BBXC13, RKV19, SS+14, WR10, XGD+19]. billions [DRN14]. bindings [VGRS16].
Blockly [AMWW15]. Blueshell [PWA13].
boilerplate [ZCDS0vdS15]. Book [Ano15, Ano18, Bro12, Del13, Gve13, Kie13, Nge10, Teo12, Teo13]. Bookshelf [Ano18].


C [BB12, CDG+17, GBC12, KB11, LSVB16, LSVB17, NED+13, SRTR17, Sta10, Zak18, ZWSS15]. C# [SSK13]. C/C [BB12, NED+13]. CA [KP15]. cache [IN12, ZP14]. caches [NGB16]. calculations [VSG17]. Calculi [FFF17]. calculus [AH10, PS01a]. Call [FGR12, PULO16, Xue12, SS+14a].
Call-site [SS+14a]. calling [HB13, SS+14a, ZW+14]. Calls [SW12, SS16]. cane [Car11]. can [TPG15]. can't [WA19]. capabilities [Ame13]. capability [RDF15]. capo [SMBS11].
[FLZ+18, ZXL16]. Center [Hol12]. centric [DHM+12, FOPZ14]. CERT [LMS+12].
Changing [SSG+14]. channels [AGH+17, LS11]. characteristics [ABC18].
Characterizing [CJ17]. check [CS12, GyRN+11]. Checking [BNE16, CSF+16, Cho14, FSK12, JC10, JYKS12, ABFM12, BHSB14, BNS12, CVG+17, DLM10, FLL+13, HMDE12, KATS12, KvRHA14, LT11, RR14, RAS16, RDF15, TVD10, VYY10]. checkpointing [SGV12]. checkpointing-enabled [SGV12].
Checks [FMBH15]. CHERI [CDG+17]. chip [PS10b, Puf13, RS12, SPS17].
chip-multiprocessor [PS10b].
Classification [PBM+19, SS14]. Classifiers [BSA14]. Classifying [MMH10]. Classless [WZdSOS17], clicker [HA13]. Client [MS14, OBPM17, CH17, KRH16].
Client-State [MS14]. clients [SRB18].
Clojure [ECG12, FH11, VS10]. Cloned [SSL18]. Closing [ZLHD15]. Closures [BO11, BO12, BO13]. Cloud [VDV17, WZK+19, GGC18, LZYP16, TLM13].
Cocoa [Sta10]. Code [ADGJ19, BH17, BNE16, HC11, MSS19, MM16, PKPM19, RVK15, RLMM15, SRTR17, SVB+17, SV15a, SED14, AGR17, AK13, CCFB15, DRN14, FLZ+18, FH16, FMS+11, IS18, LGV10, MKK+12, MKK+13, NG13, OJ12, PMP+16, PSW11, RFRS14, RBV16, RVK19, RO12, SSK13, Tai13, UTO13, VSG17, WKJ17, WGF11, WBA+11, WAB+11, WWS13, ZHL+12, ZX16, ZWS15].
commodity [BK14]. Common [PiLCH11].
Communication [JQJ+16, RTE+13, SK12, BJJK12, ETR+15, TTD+11].
communications [ETTD12, RTET15, TTD12]. Communities [ZMM+16].
Compact [HWM10, HWM11, JLL17]. Comparative [KB11, KFBK+15, SSL18].
comparing [MD15]. Comparison [BK16, ADI13, BJJK12, HH13, KvRHA14, SMS+12].
Comparisons [GGZ+15]. Compartmental [WG+11]. compatibility [DJB16, OIA+13]. compatible [ABCR10, Hor12].
Compilation [DLR16, PKPM19, CGJ+16, CMS+12, DLR14, FSC+13, IHWN12, JLP+14, JK13, JMO14, KS13, KHL+13, Lei17, MD15, MG17, ZBB15]. compiled
[NED+13, RO12, TMVB13]. Compiler
[JMB12, Loc18, NKH16, NWB+15, BFB+10, BRWA14, CIAD13, Cle16, HWN14, IHWN12, KMLS15, KS14, KC12, LSWM16, MDM17, Rub14, TTS+10, TWSCl0, VB14b, ZYZ+12].

compiler-compiler [KS14].

compiler-runtime [TWSC10].

Compilers [Hos12, LMK16, RSB+14].

Compiling [Fee16, Hos12].

Complementation [BS13].

Complete [BO13, BR15, JC10, Sch14, Gri17, PSR15, RGM13, RRB17].

completeness [KBPS17].

completing [BS13].

completion [FH16].

Complexity [SSH17].

Compliance [GD12].

compliant [MZC10a].

component [AST+16, CSKB12, GT10a].

component-based [AST+16, GT10a].

components [BMSZ17, FOPZ14, KS14].

Composable [SS10]. Composing [EABVG14].

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

Comprehension [BGK17].

Comprehensive [STST12, VBMA11, ZKB+16, MKZ+14].

Compressing [Gun14]. Computation [BW12, LYM+18, ZHL+12].

Computation-Intensive [LYM+18].

computational [Bra14, SSG+14, VF10].

computations [KF BK+15, TLMM13].

Computer [HWM11, OAC18, DNB+12, KP15].

Computing [Hol12, MPR12, NBB18, PWSG17, PWSG19, SHU16, TWHN12, WN10, AdSCdR+19, LZYP16, Rub14, TTD+11, VF10, TRE+13].

con [SMSB11]. conceptual [Tai13].

Concurrency [BG17, Bro12, SWF12, BVGVEA11a, CHMI3, DMS11, HAW13, KHL+17, PPS16, Sub11, TD15, UR15].

Concurrent [MSM+16, PS12, Sie10, BMSZ17, EP14, Gra15, HJH10, KBL14, MSM+10, OW16, PTF+15, RVP11, STR16, SNS+14, WLL19, YS10].

concurrent-by-default [SNS+14].

Conditional [XMD+17, SS16]. Conference [DDDF17, Hol12, KP15, LMK16, PDP+16].

conflict [ABC18]. Conformance [AGR12, SKR17]. Confused [BH12].

conquer [SBF+10]. Consequences [OBPM17].

Consistency [CSF+16, CS12, DNB+12, FRM+15, ZBB17].

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constructors [MME14]. constructs [PCL14, PTF+15]. consumers [DAA13].

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containers [XR10]. Context [HWM13, MM16, TL17, HB13, IvdS16, SSB+14a].

Context-sensitive [HWM13]. Contextual [MSK16]. Continuous [Teo12].

Continuously [DTLM14]. Contracts [YQTR15, HBT12, KT15, KKW11].

Control [FGR12, FHSR12, TT11, TNTN12, AdCGGH16, BL15, FWDL15, LSWM16, RHN+13, STS+13, TABS12, WLL19, XHH12]. controlling [BKC+13, YDF+15].

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Cooperative [YDF+15, HDM17].

Coordinating [MAHK16].

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Cornell [Gve13].

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D

[DiP18b, FLZ+18, GBC12, JEC+12, ZXL16].

DAA [DR10]. Data [Bra14, BMOG12, BA17, BF18, GM12, GTS+15, GT10b, NKH16, NBW+15, NBW+18, TAF+18, YWW+18, dMRH12, BK14, BB17, BOF17, BBXC13, JBJK12, CDM10, CRP+10, DFR13, DHM+12, EKUR10, FOPZ14, KB17, LDL14, MRA+17, NL14, SADB+16, SSG+14, SGG+17, UMP10, WKJ17, WCG14, XXZ13, XMA+10, XGD+19, ZVDS17]. data-centric [DHM+12, FOPZ14]. Data-Intensive [NBW+18]. Data-Parallel [NKH16, CRP+10]. database [Dei10, EKUR10, TABS12]. databases [EKUR10, MLGA11]. Dataflow [BR12].

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December [LSB17]. Deciding [SGD15]. decision [RBV16]. Declarative [DRN14, RSI12, FOPZ14, WCST19, MME+10].

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decoupled [LPA13]. deduplication [HOKO14].

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Detection [BH10, BSOG12, KCD12, MS14, RD15, XMA+14, AMT17, CSK17, LMK16, LS11, OL15, PG12, RDF15, RW17, SR14a, SR14b, SS14, WCG14, XXZ13, XR13].

detectors [LWH+10]. Determinacy [AM14]. deterministic [DN+12, MvH15].


Developing [FG+19, R+13].

Development [ABK+16, AYZI10, MT13, PB+19, AGR17, BM18, FRGPLF+12, GT10a, PWW11, SKR17, SH12, WBA+11, ZDS14].

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

Directed [STR16, CSS⁺16, EP14, Le17, NG13, NED⁺13, WM10]. directives [VGS14].


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Doppio [GPT12]. dynamic-memory [GYB⁺11].

dynamically [CZ14, CMS⁺12, hEYJD12].

Dynamo [BDB11].

e-Science [SGV12]. ease [DR10]. Easy [Jaf13, CRP⁺10]. economic [CSV15]. economics [SJBL10].


Editorial [Fox17a]. Editorials [Fox17b, HTW14, RHT13]. EDSLs [RDP16].

Educator [BA17]. EE [Jen12, MCC17].

Effect [JK11, CCFB15]. Effective [BM14, PTML11, RD15, CSdL16, KPP⁺18, Kie13].

Effectively [UR15]. effects [FH16, HAW13, Le17]. Efficiency [OTR⁺18].

Efficient [DV13, GPT12, HWW11, HB13, KT14, KW10, OOK⁺10].

Efficiently [FB17, BKC⁺13, FOPZ14].

Einsatzszenarien [Sch13]. Einsteiger [Ric14].

Elektronik [Ric14].

Elektronik-Projekte [Ric14].

Elephant [RGM13].

Elimination [RKN⁺18, GvRN⁺11].

Elliptic [GPT12].

Eloquent [Hav11].

emass [Por18].

Embedded [Fox17b, HTW14, JMB12, KARO12, RMR14, SLES15, SLE⁺17, TLK⁺15, VK12, Dei10, Fox17a, GRO⁺13, HTLC10, KHR11, LMK16, LTK17, OIA⁺13, RHT13, SC16, SDH⁺17, SFR⁺14, UIY10, Xue12, ZKY⁺12].

embedding [KMLS15, SC16].

Empirical [LSB16, LSB17, SS13, WXR16, BBK12, FH16, HH13, KPP⁺18, MHR⁺12, NCS10, SH12, Tai13, VBDPM16, VBMP16].

Employing [CC15].

Emscripten [Zak18]. emulated [THC⁺14]. emulator [KS13].

Enabled [GPT12, DR10, ETR⁺15, RBL12, SG12]. encapsulation [DD11]. End [GM12].

End-to-End [GM12].
end-user [DAA13]. Energy [OTR+18, CL17, PCL14]. energy-aware [CL17]. enforcement [IF16]. enforcing [JWM15]. engine [MGI17, Ngo12, OUY+13, Tar11, Ngo12].


Essential [Ngo12]. estimation [LMK16]. etched [VSG17]. Ethereum [Dan17]. eval [Mil13, MRMV12]. Evaluating [BGK17, BLH12, MDHS10]. Evaluation [CSZ17, GBC12, JMB12, OCFL14, TTS+10, Wan11, CSK17, MRA+17, MD15, WWH+17, XGD+19].


Exceptionization [YKM17]. Exceptions [ASF17, AdCGGH16, HdvM17, SMN+12, ZBB17]. Execution [MSS19, NNTK17, OwKPM15, SWMV17, JKL17, JhED11, LLL13, MMP+12, RCB17, SPPH10]. executions [ASdMGM14, PPS16, STR16].

executives [RS12]. Exemplar [ZW13]. exhaustive [DHS15]. exhibitionism [VBMDP16]. existential [AT16].


Exploiting [NKH16, QSaS+16]. exploration [FWDL15]. explorative [AHK+15]. Exploratory [BP16, ECS15].

EXPLORER [FWDL15]. Exploring [JK13, JWM15, SE12]. exposed [VBDPM16]. Express [JQJ+16].

Expression [NS12, PIR17]. expressions [GK15, MKTD17]. expressive [VYY10].

Extended [DDEF17, FGR12, FLL+13, JC10, LMK16, PDP+16]. Extending [AC10, BGVGEA11a, LPA13, PTHH14].

Extensible [ZIvdS17, ER14, KMLS15, MHBO13].

Extension [RSI12, WA19, LE16, MLGA11, PdMG12].

extensions [MPS12, Zha12].

Extending [VBDPM16]. Extracting [CCA+12, KM10].

Extremal [LTD+12]. Eye [OAC18, RLMM15, Guy14].

Eye-Tracking [OAC18, RLMM15].

F [GMT14, TTD12]. F-bounded [GMT14].

F-MPJ [TTD12]. FAA [Sch10a].

FACADE [NWB+15]. face [XHH12].

Facebook [Ano13]. Facets [ASF17, AF12].

facilities [BVGVEAFG11]. FAD.js [BB17].

failing [STR16]. failures [CRAJ10].

false [HW1+12]. familiarized [Ame13].

family [KH+11, KvRHA14]. family-based [KvRHA14].

Fast [CVG+17, CSGT17, HyG12, SBM14, SLF14].
Zak18, BB17, KMMV14, KCP+17, MDM17, MHBO13, SV15b. Faster
[BMDK15, JC10, AJL16]. Fault [RBL12].
Faults [SRTR17, KPP+18, ZZK13]. FC
[YWW+18]. Featherweight [RvB14].
feature [AH10, KvRHAI4, OJ12].
feature-based [KvRHAI4]. features
[MfK+12, MKK+13]. Feedback
[NED+13, NG13, WM10]. Feedback-directed
[NED+13, NG13, WM10]. fields [PQTGS17].
FIFO [QSaS+16]. filtering [HWI+12]. find
[Ryu16]. Finding [RPP19, XMA+10]. Fine
[BVGVEAF11, 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, PCK+13].
RHN+13, BCD13, KHR11, Por13, ZW10].
Flint [LTZ14]. Floating-Point [Jaf13, AJL16].
Flow [ASF17, FHSR12, LMK16, SS12].
AdCGGH16, AF12, ABFM12, BK14, BL15.
FWDL15, HBS16, KHL+13, LSWM16.
PMTP12, STA18]. Flow-sensitive
[LMK16, STA18]. FlumeJava [CRP+10].
fly [UJR14, URJ14]. folding [CPST14].
Footprint [GS12, WHIN11]. Forecasting
[CC15]. foreign [LWH+10]. forge [Ler10].
fork [MZC10a]. fork/join [MZC10a]. form
[KK15]. Formal [DLPT14, KR12, SW12].
Hdm17, PRR15, SZ11]. formalised
[CWW13]. Format [YWW+18]. Forsaking
[GBS13]. FORSETI [CSV15]. Forward
[FOPZ14]. Foundation [CJ17]. Four
[MSS10]. FPGA [OUY+13].
fragmentation [PZM+10].
fragmentation-tolerant [PZM+10].
Fragments [PB+19, OA17]. frames
[SJP10]. Framework
[CCA+12, Den18, FFF17, LM15, PWSG17.
PWSG19, RBL12, SEK+19, Ame13, AC16.
DDDF17, ER14, FRGPLF+12, JEC+12. 
KMLS15, Lon10a, Lon10b, MT13, PKO+15.
RR14, STY+14, ZW10, ZDS14].
frameworks [PPMH15]. Francisco [KP15].
free
[DTLM14, FC11, GKP+15, NDV+15].
free-form [GK15]. free-lunch [DTLM14].
frequency [ZWSS15]. Frequent [RC17].
Friendly [RBL12]. fringe [MB12, MB12].
Full [SRTR17, DRN14]. Full-Word
[SRTR17]. Fully [FSC+13, PG12, ZFK+16].
Functional [Wan11, Ame13, BVGVEA11b.
NFV15, UFM15, Bro12]. functional-style
[UFM15]. functions [LSBV16, LSBV17].
Fundamentals [HC13, Teo13, Gve13].
Fusing [MS13, ETR12, WM10]. fusion
[KBPS17]. future [SS16]. fuzzer [Guo17].

Game [MT14, Wan11]. Gap
[PVB17, ZLH15]. Garbage
[ASV+16, BH12, BF18, GTS+15, JCMM19.
MAK19, QSaS+16, Sch13, SKBL11, URJ18.
AGGZ10, BCR13, BP10, BVGVEA14b.
BOF17, GTS11, KPFL11, KBL14, NGB16.
PMZ+10, PADM+16, Pru13, SP10a.
SBM14, Sie10, SJBL10, URI14, XGD+19].
garbage-collection [Sie10]. Gary [Gve13].
GC [NGB16, RGM13]. GEMs [BSMB16].
General [CHMY19, AdSCdR+19, CHMY15.
EKUR10]. general-purpose [AdSCdR+19].
generalized [WT10]. generate [CS12].
generated [BM18]. Generating [HJS+10.
RDP16, GF11, KS14, MHBO13, SS13].
Generation [AGM+17, BH17, YWW+18.
CRJ+10, CMM+10, PPMH15, PNS14,
Rimi2, RC10, UMP10]. generations
[BOF17]. generators [SLF14]. generic
[DDM11, Fre13, HH13, ZPL+10, eBH11].
generics [AS14, Gri17, PBMH13]. Genetic
[TCY12, MT13]. Genotyping [TCY12].
GeoGebra [ABK+16]. geosciences
[MCY+10]. Geospatial [CH17]. German
[Sch13]. get [Ame13]. Getaway
[SLES15, SLE+17]. gets [BH12]. getters
Giga-scale [DHS15].

Giga-scale [DHS15]. glimpse [SP16].


Glotaran [SLS+12]. go [LWB+15].

Goldilocks [EQT10]. Good [dGRdB12].

Google [Ngo12, MGI17, Sam12]. GPGPU-accelerated [PQTGS17].

GPU [PKO+15]. GPUs [Hos12].

grade [CRJ13]. Gradual

Hera [EKUR10]. heap [CG15, SPS17, CBGM12, IN12].

heap-manipulating [CSV15, LDL14, TLX17].

harness [Kie13]. hash [SV15a, SV15b].

hash-array [SV15b]. hashing [GRF11].

HDFS [IRJ+12]. HDL [OUY+13]. health [EKUR10].

heap [CSV15, LDL14, TLX17]. Tar11, VYY10, YS10, BVGVEA10].

heap-manipulating [YS10]. Helping [RT14].

Hera [MS10]. Hera-JVM [MS10].

Heterogeneous [ASV+16, HHB+14, Rub14, AYZI10,

ABCR10, DFR13, MS10].

Heterogeneous-race-free [H淮+14].

Heuristics [MGI14, LMK16]. Hidding

[ERJ12]. hierarchy [BS13]. High

[GS+16, Hol12, IRJ+12, MSM+16].

SWU+15, URJ18, WN10, Zak10, BRWA14,

Hos12, Ngo12, RBFJ14, TTD+11, TGZ17,

VVJB10, WW+17, TRE+13].

high-dimensional [TGZ17]. high-level

[Hos12, RBFJ14, VVJB10].

High-Performance

[URJ18, WN10, GSS+16, BRWA14, Ngo12,

TTD+11, WW+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]. Horstmann [Gve13]. hosted

[CBLFD12]. hot [LMK16]. HotSpot

[Sch13, BOF17]. HotWave

[ABMV12, VBAH10b]. HPC [JQJ+16].

HTM [CHM16]. HTML [Sta10]. HTML5

[Hlo15, NKh16, Ano15]. Hunting

[GGC18]. HVM [LTK17]. Hybrid

[CHM16, JQJ+16, JMO14, KCD12, VD17,

ZMNY14, ZMM+16, AD13, HYG12,

PdMG12, STA18, SWB+15]. Hbris

[VD17]. hygienic [DFHF15]. hypervisor

[GM+13].
[FFF17, GM12, WCB16, EKK+13, FBH17, PMP+16]. implications [BRGG12].
implied [IvdS16, SPAK10]. imply [BRGG12]. Improve [OTR+18, QSaS+16].

KvGS$^{+14}$, PQTGS$^{17}$, SAdB$^{+16}$, ABC18, ASdMGM14, AST12, AFGG11, AYZI10, AdScDr$^{+19}$, AS14, AAB$^{+10}$, Alt12, Ame13, AdCGGH16, AT16, And14, Ano12, Ano13, ABMV12, AGR12, AGR17, ABCR10, AD113, ABFM12, AK13, BK12, BH17, BMR14, BH12, BDT10, BVGVE10, BVEGA10, BVGVEA11a, BVGVEAFG11, BVGVEA11b, BVGVEA13, BVGV14a, BVGV14b, BS12, BMDK15, BO11, BO12, BO13, BCR11, BDGS13, BCD13, BD17, BRGG12, BlvdS17, Bla18, BR12, BH10, BR15, BB12, BNP11, BL15, BW12, BA12, BZD17, BSOG12, BMOC12, BKP16, BA17, BJBJK12, CIAD13, FGB$^{+19}$, CSZ17, CZ14, CMM17, CWW13, CV14, CS12, CDTM10, CCBF15, CC15, CRJ$^{+10}$, CWGA17, CSF$^{+16}$, CSK17, CCH11, CJ17, CDG$^{+17}$, Cle16, CSdL16.

**Java** [CCA$^{+12}$, CMM$^{+10}$, CRAJ10, DJLP10, DDF17, DLM10, DLZ$^{+13}$, DVL13, DR10, DHS15, DJB16, DMS11, ECS15, EKE$^{+13}$, ES14, EQT10, Esq11, EABGVE14, Eug13, EV13, ETT12, ETR$^{+15}$, FLZ$^{+18}$, FRGPLF$^{+12}$, FGR12, Fer13, FFF17, FLL$^{+13}$, FFSH12, Fox17b, FMS$^{+11}$, GMPS12, Grv$^{+11}$, GYB$^{+11}$, GM12, GBS14, GD12, GBC12, GS11, GS12, Gon11, GMC$^{+13}$, GT10b, GJS$^{+13}$, GJS$^{+14}$, Gri17, GPT2, GK15, HL13, HD17, Hm17, Has12, HW10, HW13, HW14, HA13, HM12, HTLC10, HKVG14, HI13, HOKO14, HGCA11, Hor11, Hor12, HC13, HC10, HWLW11, HJ12, IHW12, IN12, IS18, IF16, JC10, JEC$^{+12}$, JQJ$^{+16}$, JJ17, Jen12, JB12, JYKS12, JTO12, JH11, J$^{*}$12, JMB12, JMO14, KHR11, KHM$^{+11}$, KMLS15, KS13, KW10, KW11, KPP$^{+18}$, KM10, KSR14, KSPK12, KDPG18, KS14, KF11].

**Java** [KB11, LSVB16, LSVB17, LT$^{+12}$, LM16, LSWM16, LLLL13, LT11, LT14, LZYP16, LP18, LYBB13a, LYBB13b, LYBB14, L$^{Z}$12, Loc13, Loc18, Lon10a, Lon10b, LMS$^{+12}$, LO15, LPA13, LWC17, LTK17, LS11, Lyo12, MKZ$^{+14}$, MS13, MME$^{+10}$, MLGA11, MDS$^{+17}$, MCC17, MPM$^{+15}$, MZC10b, MKTD17, MM16, MH10, MAH12, MB12, MCM$^{+10}$, MS19, MPR12, MLM17, MLM19, MKK$^{+12}$, MKK$^{+13}$, MSSI0, MCW19, MVH15, MT14, MDS10, NM10, NCS10, NS12, Nill2a, Nill2b, NG13, NNTK17, NBB18, Oak14, OOK$^{+10}$, OMK$^{+10}$, OIA$^{+13}$, OUY$^{+13}$, OW16, OJ12, OFLC14, PS11, PLL$^{+18}$, PdMG12, PTML11, PTLML14, PTHH14, PL12, PiLC11, PBHM13, PPMH15, PMP$^{+16}$, PQ12, PVH14, PTF$^{+15}$, PS10a, PS10b, PDPM$^{+16}$, Pos19, PWS11, Pu13, PKC$^{+13}$, QLSB17, RD15, RDCP12, RFE$^{+13}$, RTET15, RR14, RS12, RHT13, R$^{+13}$].

**Java** [RBL12, RAS16, RS12, Rey13, Rez12, RVP11, RLM15, RB15, RvB14, SSL18, SSB$^{+14}$a, SE12, SRB18, SRT17, STST12, SS12, Sch14, Sch13, Sch10a, SPPH10, SKKR11, SDH$^{+17}$, Sch10b, SSMD10, SZ10, Set13, SMBS11, SMS$^{+12}$, SM12, SDM12, SWMV17, SW12, SGGV12, SKBL11, SD16a, SJPS10, SLS$^{+12}$, SKR17, SS14, SP10b, SMP10, SPP$^{+10}$, SWB$^{+15}$, SSS10, SS14b, ST15, SSP17, SS$^{+14}$, STS$^{+13}$, Sve14, SWF12, TRTD11, TTD$^{+11}$, TTD12, TRES$^{+13}$, PLL11, TXW$^{+10}$, TFDB14, TWHN12, TTN12, TGZ17, TJLL18, TKL$^{+15}$, UR15, UFM15, UPR$^{+18}$, VSG17, VGRS16, VBPD16, VBM16, VGS14, VBAM10a, VBAM10b, VBMA11, WGF11, Wam11, WzdSOS17, WCST19, WLL19, WBM$^{+10}$, WK12, WCB16, WN10, WRI$^{+10}$, WA19, WHV$^{+13}$, WHIN11, WBA$^{+11}$, WABA$^{+11}$, WWS13, XHH12, XR13, XMD$^{+17}$, Xue12, YP10, YKM17, YDF15, Zldv17].

**Java** [Zak12, ZP14, ZLWC14, ZHL$^{+12}$, ZXL16, ZKB$^{+16}$, ZWS15, ZPL$^{+10}$, ZSD14, dCCMN12, dMRH12, eBH11, eED12, vdMvdMV12, Del13].

**Java-Based** [AFGG11, SLS$^{+12}$, ST15, SWF12, CJ17, HOKO14, JMO14, 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]. Java/Linux [Pos19].
JavaBean [MZC10a]. JavaBIP [BMSZ17].
JavaCC [GN16]. JavaCOP [MME+10].
javap [PKC+13]. JavaFX [Top11].
JavaGI [WT10, WT11]. JavaScript
[Ano15, Kie13, Ric14, Teo13, CH17, AMT17,
ACS+14, AKH+15, AGM+17, AMWW15,
BCF+14, BBP13, Cec11, CGJ+16, CVG+17,
CBLFD12, Cho14, CHJ12, Dei10, Dei11,
DcSG12, DiP18a, DiP18b, DFHF15,
FMM+11, FM13, FH16, FBH17, FSC+13,
FZ17, FOPZ14, GMS12, Guo17, HyG12,
Hav11, HBS16, HLSK13, HHSS13, HC11,
KR12, KSW+14, KRH16, KT14, Ker15,
KFBK+15, Kie10, KBL14, KARO12, Kri12,
LSWM16, Ler10, LGV10, LPGK14, Liu14,
LML17, MTL15, MLT17, MPS12, MG17,
MHL15, MRMV12, Mii13, MM12, MMP15,
Mrl18, NKH16, NSD17, OBPM17,
PWSG17, PWSG19, PLR14, PS15, PLR18,
PKPM19, PDDD17, PKO+15, Por18, Ran14,
RLBV10, RGEV11, RHN+13, RW17, Ryu16,
RPP19, SMN+18, STA18, Sev12a, Sev12b,
SVB+17, SDC+12, Sta10, Ste10, SR17,
SFR+14, TAF+18, TT11].
JavaScript
[VM15, VP16, VB14b, Wal12, WSTC19,
XR16, YW13, Zak18, Zak10, DJM18, BM18,
KCD12, Mei14, Ano18, Kie13, Teo12, Teo13].
JavaScriptCore [Piz17].
JavaVerT
[SMM+18].
JavaFX [PKO+15].
JBlasTrace [CZ14].
JCloudScale [LHD15].
JCMC
[dCMMN12].
JCSJ
[ABFM12].
JCSJ
[WB10].
JDiffraction
[PQTGS17].
JDK
[SRB18].
JDMoTo
[ZP14].
JEqualityGen
[GRF11].
JET
[LT11].
JGrim
[MZC10b].
Jinn
[LWH+10].
JIT
[BBF+10, BB17, CMS+12, HW14,
IHWN12, JK13, NED+13, RGB+14, WKJ17,
ZYR+12].
JIT-based
[BB17].
JITs
[KRCH14].
JMarkov
[CRAT+12].
JML
[CRJ+10, TJLL18].
JML-annotated
[TJLL18].
JNI
[CDG+17].
Joe
[Ano18].
Johnny
[WA19].
Join
[MZC10a].
Journey
[Ryu16].
Joy
[FH11].
JPR
[FWG17].
JQuery
[AM14, PR17].
JR
[OW16].
JR-like
[OW16].
JRE
[CZ14].
JS
[AHK+15, Por18].
js-emass
[Por18].
Js_of_ocaml
[VB14b].
JSART
[MM12].
JS-Set
[RB15].
JSON
[BB17].
JSormdb
[Dei10].
JSP
[Sch10b].
JTabWb
[FF17].
JTRSES
[HTW14].
JTRSES2011
[RHT13].
JTRSES2013
[Fox17b].
JTRSES2014
[Fox17a].
Just
[BB12].
July
[Bro12, KP15].
just
[Sew12].
K-Java
[BR15].
kernel
[HKD+11].
Key
[BBB+17, DFR13, JB12].
key-value
[DFR13].
keynote
[McK16].
Kirk
[Del13].
KiWi
[BBB+17].
KJS
[PSR15].
Knoernschild
[Del13].
not
[BB17].
know
[DBJ16, Gra15, Han15].
Knowledge
[KSPK12, UMP10].
known
[Han15].
Kraken
[Ano14].
Lake
[Hol12].
lambda
[MKTD17].
lambdas
[UFM15].
landscape
[Sve14].
Language
[DLPT14, GJS+13, GJS+14,
GSS+18, JC10, KSPK12, MAHK16, Sev12b,
SS13, ABCR10, CMM17, CsDL16, DAA13,
EKR+12, Fee16, GSS+16, Hos12, HWW+15,
KRCH14, LWH+10, LE16, MDMA17, SC16,
SZ10, SKR17, SNS+14, VB14a, WCG14,
WWH+17, ZWSS15, dCMMN12].
language-level
[WCG14].
Languages
[CSGT17, LSM+16, PTHH14, YKM17,
AGGZ10, BCD13, CMS+12, EEK+13, ER14,
FMBH15, Han15, HBT12, HJS+10,
Multi-Core [RTE+13, MS10, TRTD11].
[GSS+18, Fec16, GSS+16], multi-level [IHWN12]. multi-processor [Puf13].
multi-stage [WRI+10]. Multi-threaded [JTO12, DSEE13, SE12, Taf13].
multi-engine [Tar11]. Multi-Language
multi-stage [WRI+10]. Multi-threaded [JTO12, DSEE13, SE12, Taf13].
multi-engine [Tar11]. Multi-Language
multi-stage [WRI+10]. Multi-threaded [JTO12, DSEE13, SE12, Taf13].
multi-engine [Tar11]. Multi-Language
multi-stage [WRI+10]. Multi-threaded [JTO12, DSEE13, SE12, Taf13].
multi-engine [Tar11]. Multi-Language
multi-stage [WRI+10]. Multi-threaded [JTO12, DSEE13, SE12, Taf13].
multi-engine [Tar11]. Multi-Language
multi-stage [WRI+10]. Multi-threaded [JTO12, DSEE13, SE12, Taf13].
Open [BSA14, GD12, ABC18, CJ17, EKUR10, JK11, Tai13, VGRS16].
Open-Source [BSA14, ABC18, Tai13].
OpenJDK [CHM16, dGrdB+15].
Operator [PQD12]. opportunities [TPG15].
Optimal [AD16, JCMM19, KS13, ELW15]. optimale [Sch13]. optimisation [PPS16].
optimistic [WGF11]. Optimization [LTD+12, YKM17, AFG+11, BDB11, DDDF17, JMO14, KS13, KC12, NG12].
Optimizations [DR10, BB17, CPST15, DS16, NG13, SAdB+16]. Optimized [PKPM19]. Optimizing [LYM+18, SV15b, WZK+19, YRHBL13, HWW+15, KRH16, MD15, ZLB14].
Oriented [ABMV12, BH10, GS11, KB11, LYM+18, RC17, AST+16, DDDF17, EABVG14, MBB03, PTHH14, RVP11, VMI10, VBAM10b, WBA+11, ZDer14, hEYJD12].
Over-exposed [VBDPM16]. overhead [BCR13, ZHCB15, ZFK+16]. overlap [ADJG19]. overlay [CDTM10].

Paper [DDDF17, PDPM+16, SV15a].
paperback [Ano18]. Papers [DVL13, HL13, LMK16, Puf13]. Parallel [DS16, Eso11, LLL13, LHR19, MKG+17, NKH16, NBB18, QSaS+16, RD15, RS12, BP10, BBP13, BSBM16, CRP+10, MGS19, NG12, NG13, PPMH15, Sie10, SZ11, TTD12, Ta13, VYY10, BKP16, WN10].
Parallelisation [GS11]. Parallelism [NKH16, BENS12, HHSS13, MZC10a, RHSD15, TWL12, ZLB+13].
parallelization [SS16, YRHBL13]. parallelize [LPA13].
Parallelizing [NKH16, hEYJD12]. parameters [GBS14]. Parametric [AGGZ10, PULO16, UTC13].
Partial-Order [SGD15, TD15]. Partially [BLH12, BCR11]. Partitioning [AD16, BS12]. party [FOPZ14, LVG10].
passing [ETTD12, TRTD11, TTD12, UR15]. Path [SGD15, DD13, HHSS13, SMP10].
path-length [SDF10]. Path-Sensitive [SGD15]. pathfinder [KPP12, CS12, MPR12, NNTK17, PdMG12, SM12, vdMvdMV12, Den18, RR14]. patient [EKUR10]. patient-level [EKUR10].
Performance [CSZ17, CCH11, DR10, GBC12, Hol12, HJ12, MSM+16, Oak14, OCF114, QSaS+16, RVT18, TRE+13, TPG15, THC+14, URJ18, VP16, WN10, ACS+14, AAB+10, BRGG12, BRWA14, CBBM12, Del11, GSS+16, HW1+12, IRJ+12, JH11, Ngo12, ODL15, PSNS14, SE12, TTD+11, TXW+10, WHIN11, WWH+17, Zak10].
performance-guided [PSNS14].
permission [HBT12, SNS+14]. permits
Han15, HA13, Hav11, Lew13, MSM+10, MGS19, MvH15, OW16, PTF+15, RVP11, RFBJ14, SNS+14, SGG+17, TB14, UFM15, VVJB10, VBAM10b, Wan11, WRI+10, WBA+11, ZWSS15. **Programs**

AGR12, BH17, BR12, BMOG12, GS11, JB12, LTD+12, STST12, SS12, SDM12, SR17, XMD+17, ZLCW14, ASdMG14, AdCGGH16, BA12, BNS12, DJLP10, ECS15, ES14, EP14, Fer13, HL13, IN12, LO15, LPA13, MRMV12, MCV19, NG12, OJ12, PL12, RR14, RAS16, RLBV10, SMS+12, SZ11, SIPS10, SHU16, Taf13, WCST19, YS10, dCMMN12, hEYJD12. **Program**

Sie17, ZHCB15. **Project**

Wan11. **Projects**

ZMM+16, ABC18, CJ17. **Projects**

LL15. **Proof**

BMOG12. **Proofs**

MPS12. **Properties**

MPS19. **Properties**

GM12, FGR12. **protocols**

KDPG18, PS10a. **prototyping**

OW16. **proving**

AGH+17, Taf13. **Proxies**

VM10, Eug13, KT14. **PSE**

KS15. **pseudorandom**

PPMH15, SLF14. **PT**

MGS19. **Published**

Aho18, LSVB17. **pure**

SS16. **Purely**

RS12. **Purely-Declarative**

SV15. **purely-functional**

NFV15. **Purity**

NSDD17, HMDE12. **purpose**

ADScDr+19. **Python**

Rio14. **Qualitas**

TMVB13. **Qualitas.class**

TMVB13. **Quality**

BNP11, CCFB15, WKJ17. **Quantitative**

CPV15, GYB+11, MRA+17, PMTP12. **queries**

DK15, MRA+17, SGG+17. **query**

FWDL15. **query-**

FWDL15. **questions**

KM10. **Quicksort**

AD16. **R**

CH17, KMMV14, NL14, SLS+12, Vit14. **Race**

BH10, EP14, RD15, AMT17, EQT10, HHB+14. **race-aware**

FF10, WCG14, XZ13. **Racket**

YK14. **racy**

SRJ15. **Rady**

Teo12. **Rails**

Teo12. **Range**

BS12. **Ranged**

FF10, WCG14, XXZ13. **Racket**

YK14. **racy**

SRJ15. **Rady**

Teo12. **Rails**

Teo12. **Reachability**

NS13. **reaction**

SRB18. **reactive**

BCvC+13, MvH15. **read**

NM10. **read-only**

NM10. **Reading**

Jaf13. **ready**

RHSD15. **Real**

BVEAGVA10, BBB+17, Fox17b, HTW14, KW11, Nil12a, Pau14, SLES15, SL+17, VK12, BCR13, BVGVEA10, BVGVEA11a, BVGVEA11b, BVGVEA13, BVGV14a, BVGV14b, CRAJ10, DW10, EABGV14, Fox17a, GVC+13, HTLC10, KHM+11, KPH11, KvGS+14, KW10, KPP+18, KSR14, LTK17, MDS+17, PS10b, PZM+10, PSW11, Puf13, RHT13, SP10a, Sie10, SPS17. **Real-Time**

BVEAGVA10, BBB+17, Fox17b, HTW14, KW11, Nil12a, Pau14, SLES15, SL+17, VK12, Nil12a, BCR13, BVGVEA10, BVGVEA11a, BVGVEA11b, BVGVEA13, BVGV14a, BVGV14b, CRAJ10, DW10, EABGV14, Fox17a, GVC+13, HTLC10, KHM+11, KPH11, KvGS+14, KW10, KPP+18, KSR14, LTK17, MDS+17, PS10b, PZM+10, PSW11, Puf13, RHT13, SP10a, Sie10, SPS17. **Reasoning**

LN15, ABK+16, MLT17. **Recap**

BlvdS17. **recipes**

J+12. **recompilation**

NED+13. **Reconfigurable**

OUY+13, STY+14, OIA+13. **reconstruction**

LSWM16. **Recovering**

CRAJ10. **Reducing**

MV16, WHIN11. **Reduction**

BO12, MSS19, TD15. **redundant**

HL015. **reengineering**

FGB+19. **Refactoring**

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