Barbara G Ryder

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11991631/publications.pdf

Version: 2024-02-01

48	2,434	567281 15	477307 29
papers	citations	h-index	g-index

48	48	48	754
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A framework for reducing the cost of instrumented code. , 2001, , .		247
2	Chianti. , 2004, , .		231
3	A safe approximate algorithm for interprocedural aliasing. , 1992, , .		217
4	Relevant context inference. , 1999, , .		148
5	Pointer-induced aliasing: a problem taxonomy. , 1991, , .		128
6	Interprocedural modification side effect analysis with pointer aliasing. , 1993, , .		105
7	Points-to analysis for Java using annotated constraints. , 2001, , .		105
8	Elimination algorithms for data flow analysis. ACM Computing Surveys, 1986, 18, 277-316.	23.0	102
9	Parameterized object sensitivity for points-to and side-effect analyses for Java. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2002, , .	0.7	102
10	Profiling user-trigger dependence for Android malware detection. Computers and Security, 2015, 49, 255-273.	6.0	90
11	Incremental data-flow analysis algorithms. ACM Transactions on Programming Languages and Systems, 1988, 10, 1-50.	2.1	79
12	Chianti. ACM SIGPLAN Notices, 2004, 39, 432-448.	0.2	71
13	An efficient hybrid algorithm for incremental data flow analysis. , 1990, , .		67
14	A safe approximate algorithm for interprocedural pointer aliasing. ACM SIGPLAN Notices, 2004, 39, 473-489.	0.2	67
15	Dimensions of Precision in Reference Analysis of Object-Oriented Programming Languages. Lecture Notes in Computer Science, 2003, , 126-137.	1.3	67
16	Program decomposition for pointer aliasing. , 1996, , .		65
17	A schema for interprocedural modification side-effect analysis with pointer aliasing. ACM Transactions on Programming Languages and Systems, 2001, 23, 105-186.	2.1	64
18	Practical blended taint analysis for JavaScript. , 2013, , .		56

#	Article	IF	Citations
19	Pointer-induced aliasing. ACM SIGPLAN Notices, 1993, 28, 67-70.	0.2	44
20	Precise Call Graphs for C Programs with Function Pointers. Automated Software Engineering, 2004, 11, 7-26.	2.9	42
21	The impact of software engineering research on modern progamming languages. ACM Transactions on Software Engineering and Methodology, 2005, 14, 431-477.	6.0	29
22	Interprocedural modification side effect analysis with pointer aliasing. ACM SIGPLAN Notices, 1993, 28, 56-67.	0.2	27
23	Comparing flow and context sensitivity on the modification-side-effects problem. , 1998, , .		27
24	Analysis of Code Heterogeneity for High-Precision Classification of Repackaged Malware. , 2016, , .		27
25	A Sharper Sense of Self: Probabilistic Reasoning of Program Behaviors for Anomaly Detection with Context Sensitivity. , 2016, , .		26
26	Identifying Mobile Inter-App Communication Risks. IEEE Transactions on Mobile Computing, 2020, 19, 90-102.	5.8	24
27	Probabilistic Program Modeling for High-Precision Anomaly Classification. , 2015, , .		22
28	Online feedback-directed optimization of Java. ACM SIGPLAN Notices, 2002, 37, 111-129.	0.2	18
29	Points-to analysis for Java using annotated constraints. ACM SIGPLAN Notices, 2001, 36, 43-55.	0.2	17
30	Experiments with combined analysis for pointer aliasing. , 1998, , .		15
31	Automatic construction of accurate application call graph with library call abstraction for Java. Journal of Software: Evolution and Process, 2007, 19, 231-252.	1.1	15
32	State-Sensitive Points-to Analysis for the Dynamic Behavior of JavaScript Objects. Lecture Notes in Computer Science, 2014, , 1-26.	1.3	13
33	Experiences with a parallel algorithm for data flow analysis. Journal of Supercomputing, 1991, 5, 163-188.	3.6	11
34	Revamping JavaScript static analysis via localization and remediation of root causes of imprecision. , 2016, , .		11
35	Empirical study of the dynamic behavior of JavaScript objects. Software - Practice and Experience, 2016, 46, 867-889.	3.6	10
36	Non-concurrency analysis. ACM SIGPLAN Notices, 1993, 28, 129-138.	0.2	9

#	Article	IF	Citations
37	A model of Ada programs for static deadlock detection in polynomial times. ACM SIGPLAN Notices, 1991, 26, 97-107.	0.2	8
38	Program decomposition for pointer aliasing. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 1996, 21, 81-92.	0.7	7
39	Effectively exploiting parallelism in data flow analysis. Journal of Supercomputing, 1994, 8, 233-262.	3.6	5
40	Differences in algorithmic parallelism in control flow and call multigraphs. Lecture Notes in Computer Science, 1995, , 217-233.	1.3	4
41	Experiments with combined analysis for pointer aliasing. ACM SIGPLAN Notices, 1998, 33, 11-18.	0.2	3
42	Comparing flow and context sensitivity on the modification-side-effects problem. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 1998, 23, 21-31.	0.7	3
43	ReDroid. , 2017, , .		2
44	Prioritizing data flows and sinks for app security transformation. Computers and Security, 2020, 92, 101750.	6.0	2
45	A â€œhands-onâ€•approach to computer literacy. SIGCSE Bulletin, 1984, 16, 102-107.	0.1	1
46	Exploring the Interaction between Java's Implicitly Thrown Exceptions and Instruction Scheduling. International Journal of Parallel Programming, 2001, 29, 111-137.	1.5	1
47	Introduction: The Best Papers of ISSTA. IEEE Transactions on Software Engineering, 2010, 36, 451-452.	5.6	0
48	Language design and analyzability: a retrospective. Software - Practice and Experience, 2012, 42, 3-18.	3.6	0