

Barbara G Ryder

List of Publications by Year in descending order

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48
papers

2,434
citations

567281

15
h-index

477307

29
g-index

48
all docs

48
docs citations

48
times ranked

754
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying Mobile Inter-App Communication Risks. IEEE Transactions on Mobile Computing, 2020, 19, 90-102.	5.8	24
2	Prioritizing data flows and sinks for app security transformation. Computers and Security, 2020, 92, 101750.	6.0	2
3	ReDroid. , 2017, , .		2
4	Empirical study of the dynamic behavior of JavaScript objects. Software - Practice and Experience, 2016, 46, 867-889.	3.6	10
5	A Sharper Sense of Self: Probabilistic Reasoning of Program Behaviors for Anomaly Detection with Context Sensitivity. , 2016, , .		26
6	Analysis of Code Heterogeneity for High-Precision Classification of Repackaged Malware. , 2016, , .		27
7	Revamping JavaScript static analysis via localization and remediation of root causes of imprecision. , 2016, , .		11
8	Probabilistic Program Modeling for High-Precision Anomaly Classification. , 2015, , .		22
9	Profiling user-trigger dependence for Android malware detection. Computers and Security, 2015, 49, 255-273.	6.0	90
10	State-Sensitive Points-to Analysis for the Dynamic Behavior of JavaScript Objects. Lecture Notes in Computer Science, 2014, , 1-26.	1.3	13
11	Practical blended taint analysis for JavaScript. , 2013, , .		56
12	Language design and analyzability: a retrospective. Software - Practice and Experience, 2012, 42, 3-18.	3.6	0
13	Introduction: The Best Papers of ISSTA. IEEE Transactions on Software Engineering, 2010, 36, 451-452.	5.6	0
14	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
15	The impact of software engineering research on modern programming languages. ACM Transactions on Software Engineering and Methodology, 2005, 14, 431-477.	6.0	29
16	A safe approximate algorithm for interprocedural pointer aliasing. ACM SIGPLAN Notices, 2004, 39, 473-489.	0.2	67
17	Chianti. , 2004, , .		231
18	Precise Call Graphs for C Programs with Function Pointers. Automated Software Engineering, 2004, 11, 7-26.	2.9	42

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19	Chianti. ACM SIGPLAN Notices, 2004, 39, 432-448.	0.2	71
20	Dimensions of Precision in Reference Analysis of Object-Oriented Programming Languages. Lecture Notes in Computer Science, 2003, , 126-137.	1.3	67
21	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
22	Online feedback-directed optimization of Java. ACM SIGPLAN Notices, 2002, 37, 111-129.	0.2	18
23	Points-to analysis for Java using annotated constraints. ACM SIGPLAN Notices, 2001, 36, 43-55.	0.2	17
24	Exploring the Interaction between Java's Implicitly Thrown Exceptions and Instruction Scheduling. International Journal of Parallel Programming, 2001, 29, 111-137.	1.5	1
25	Points-to analysis for Java using annotated constraints. , 2001, , .		105
26	A framework for reducing the cost of instrumented code. , 2001, , .		247
27	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
28	Relevant context inference. , 1999, , .		148
29	Comparing flow and context sensitivity on the modification-side-effects problem. , 1998, , .		27
30	Experiments with combined analysis for pointer aliasing. ACM SIGPLAN Notices, 1998, 33, 11-18.	0.2	3
31	Experiments with combined analysis for pointer aliasing. , 1998, , .		15
32	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
33	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
34	Program decomposition for pointer aliasing. , 1996, , .		65
35	Differences in algorithmic parallelism in control flow and call multigraphs. Lecture Notes in Computer Science, 1995, , 217-233.	1.3	4
36	Effectively exploiting parallelism in data flow analysis. Journal of Supercomputing, 1994, 8, 233-262.	3.6	5

#	ARTICLE	IF	CITATIONS
37	Pointer-induced aliasing. ACM SIGPLAN Notices, 1993, 28, 67-70.	0.2	44
38	Interprocedural modification side effect analysis with pointer aliasing. , 1993, , .		105
39	Interprocedural modification side effect analysis with pointer aliasing. ACM SIGPLAN Notices, 1993, 28, 56-67.	0.2	27
40	Non-concurrency analysis. ACM SIGPLAN Notices, 1993, 28, 129-138.	0.2	9
41	A safe approximate algorithm for interprocedural aliasing. , 1992, , .		217
42	Experiences with a parallel algorithm for data flow analysis. Journal of Supercomputing, 1991, 5, 163-188.	3.6	11
43	Pointer-induced aliasing: a problem taxonomy. , 1991, , .		128
44	A model of Ada programs for static deadlock detection in polynomial times. ACM SIGPLAN Notices, 1991, 26, 97-107.	0.2	8
45	An efficient hybrid algorithm for incremental data flow analysis. , 1990, , .		67
46	Incremental data-flow analysis algorithms. ACM Transactions on Programming Languages and Systems, 1988, 10, 1-50.	2.1	79
47	Elimination algorithms for data flow analysis. ACM Computing Surveys, 1986, 18, 277-316.	23.0	102
48	A "hands-on" approach to computer literacy. SIGCSE Bulletin, 1984, 16, 102-107.	0.1	1