Ben Liblit

List of Publications by Year
in descending order

58 papers	2,599 citations	840776 11 h-index	794594 19 g-index
61 all docs	61 docs citations	61 times ranked	953 citing authors

#	Article	IF	Citations
1	Lightweight control-flow instrumentation and postmortem analysis in support of debugging. Automated Software Engineering, 2017, 24, 865-904.	2.9	4
2	Evolvix BEST Names for semantic reproducibility across code2brain interfaces. Annals of the New York Academy of Sciences, 2017, 1387, 124-144.	3.8	1
3	Control-flow recovery from partial failure reports. , 2017, , .		4
4	Control-flow recovery from partial failure reports. ACM SIGPLAN Notices, 2017, 52, 390-405.	0.2	0
5	Array length inference for C library bindings. , 2016, , .		3
6	Optimizing customized program coverage. , 2016, , .		13
7	Recovering execution data from incomplete observations. , 2015, , .		5
8	CSIclipse: presenting crash analysis data to developers. , 2015, , .		3
9	Database-Backed Program Analysis for Scalable Error Propagation. , 2015, , .		14
10	Fixing, preventing, and recovering from concurrency bugs. Science China Information Sciences, 2015, 58, 1-18.	4.3	8
11	Lightweight control-flow instrumentation and postmortem analysis in support of debugging. , 2013, , .		19
12	Analyzing memory ownership patterns in C libraries. ACM SIGPLAN Notices, 2013, 48, 97-108.	0.2	0
13	Analyzing memory ownership patterns in C libraries. , 2013, , .		3
14	Automated Detection and Repair of Concurrency Bugs. Lecture Notes in Computer Science, 2012, , 3-3.	1.3	0
15	A router primitive approach for building diverse network services. , 2012, , .		0
16	Automated atomicity-violation fixing. ACM SIGPLAN Notices, 2012, 47, 389.	0.2	2
17	Automated atomicity-violation fixing. ACM SIGPLAN Notices, 2011, 46, 389-400.	0.2	45
18	Defective error/pointer interactions in the Linux kernel. , 2011, , .		23

#	Article	IF	Citations
19	Automated atomicity-violation fixing. , 2011, , .		135
20	Instrumentation and sampling strategies for cooperative concurrency bug isolation. ACM SIGPLAN Notices, 2010, 45, 241-255.	0.2	17
21	Better Debugging via Output Tracing and Callstack-Sensitive Slicing. IEEE Transactions on Software Engineering, 2010, 36, 7-19.	5.6	25
22	Expect the unexpected. , 2010, , .		23
23	Adaptive bug isolation. , 2010, , .		37
24	Instrumentation and sampling strategies for cooperative concurrency bug isolation. , 2010, , .		91
25	Cooperative crug isolation. , 2009, , .		10
26	Scalable temporal order analysis for large scale debugging. , 2009, , .		38
27	Error propagation analysis for file systems. , 2009, , .		54
28	Automatic generation of library bindings using static analysis. , 2009, , .		11
29	Error propagation analysis for file systems. ACM SIGPLAN Notices, 2009, 44, 270-280.	0.2	5
30	HOLMES: Effective statistical debugging via efficient path profiling. , 2009, , .		179
31	Automatic generation of library bindings using static analysis. ACM SIGPLAN Notices, 2009, 44, 352-362.	0.2	4
32	Lessons learned at 208K: Towards debugging millions of cores. , 2008, , .		14
33	Cooperative debugging with five hundred million test cases. , 2008, , .		12
34	WODA 2008. , 2008, , .		0
35	Reflections on the Role of Static Analysis in Cooperative Bug Isolation. Lecture Notes in Computer Science, 2008, , 18-31.	1.3	2
36	Statistical debugging using compound boolean predicates. , 2007, , .		54

#	Article	IF	Citations
37	Dynamic heap type inference for program understanding and debugging. , 2007, , .		12
38	Dynamic heap type inference for program understanding and debugging. ACM SIGPLAN Notices, 2007, 42, 39-46.	0.2	4
39	Tool Support for Proof Engineering. Electronic Notes in Theoretical Computer Science, 2007, 174, 75-86.	0.9	0
40	Statistical Debugging Using Latent Topic Models. Lecture Notes in Computer Science, 2007, , 6-17.	1.3	47
41	Instrumentation Framework. , 2007, , 7-38.		0
42	Practical Considerations. , 2007, , 39-54.		0
43	Techniques for Statistical Debugging. , 2007, , 55-88.		0
44	Extracting Output Formats from Executables. , 2006, , .		37
45	Supporting nested transactional memory in logTM. Computer Architecture News, 2006, 34, 359-370.	2.5	0
46	Supporting nested transactional memory in logTM. , 2006, , .		111
47	Statistical debugging. , 2006, , .		103
48	Supporting nested transactional memory in logTM. ACM SIGPLAN Notices, 2006, 41, 359-370.	0.2	12
49	Path Optimization in Programs and Its Application to Debugging. Lecture Notes in Computer Science, 2006, , 246-263.	1.3	12
50	Supporting nested transactional memory in logTM. Operating Systems Review (ACM), 2006, 40, 359-370.	1.9	16
51	Scalable statistical bug isolation. , 2005, , .		450
52	Scalable statistical bug isolation. ACM SIGPLAN Notices, 2005, 40, 15-26.	0.2	234
53	Bug isolation via remote program sampling. ACM SIGPLAN Notices, 2003, 38, 141-154.	0.2	138
54	Type Systems for Distributed Data Sharing. Lecture Notes in Computer Science, 2003, , 273-294.	1.3	9

#	Article	IF	Citations
55	Bug isolation via remote program sampling. , 2003, , .		220
56	Estimating the Impact of Scalable Pointer Analysis on Optimization. Lecture Notes in Computer Science, 2001, , 260-278.	1.3	25
57	Type systems for distributed data structures. , 2000, , .		20
58	Titanium: a high-performance Java dialect. Concurrency and Computation: Practice and Experience, 1998, 10, 825-836.	0.5	291