Eran Yahav

List of Publications by Year
in descending order

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44 papers	2,378 citations	623734 14 h-index	677142 22 g-index
45 all docs	45 docs citations	45 times ranked	879 citing authors

#	Article	IF	Citations
1	code2vec: learning distributed representations of code. , 2019, 3, 1-29.		606
2	Code completion with statistical language models. , 2014, , .		272
3	Code completion with statistical language models. ACM SIGPLAN Notices, 2014, 49, 419-428.	0.2	139
4	Effective typestate verification in the presence of aliasing. , 2006, , .		106
5	Abstraction-guided synthesis of synchronization. , 2010, , .		95
6	Chameleon. , 2009, , .		82
7	QVM. , 2008, , .		77
8	Experience with Model Checking Linearizability. Lecture Notes in Computer Science, 2009, , 261-278.	1.3	68
9	Typestate-based semantic code search over partial programs. , 2012, , .		66
10	Tracelet-based code search in executables. , 2014, , .		63
11	Adversarial examples for models of code. , 2020, 4, 1-30.		58
12	InterproceduralÂShapeÂAnalysis forÂCutpoint-FreeÂPrograms. Lecture Notes in Computer Science, 2005, , 284-302.	1.3	57
13	A general path-based representation for predicting program properties. ACM SIGPLAN Notices, 2018, 53, 404-419.	0.2	57
14	Partial-coherence abstractions for relaxed memory models. , 2011, , .		47
15	Statistical similarity of binaries. ACM SIGPLAN Notices, 2016, 51, 266-280.	0.2	43
16	Dynamic synthesis for relaxed memory models. , 2012, , .		42
17	Inferring Synchronization under Limited Observability. Lecture Notes in Computer Science, 2009, , 139-154.	1.3	41
18	Verifying safety properties using separation and heterogeneous abstractions. , 2004, , .		40

#	Article	IF	Citations
19	Neural reverse engineering of stripped binaries using augmented control flow graphs. , 2020, 4, 1-28.		33
20	Verifying safety properties of concurrent Java programs using 3-valued logic. ACM SIGPLAN Notices, 2001, 36, 27-40.	0.2	30
21	Predicate Abstraction for Relaxed Memory Models. Lecture Notes in Computer Science, 2013, , 84-104.	1.3	28
22	The CLOSER. , 2008, , .		26
23	Correctness-preserving derivation of concurrent garbage collection algorithms. , 2006, , .		25
24	Abstract semantic differencing via speculative correlation. , 2014, , .		25
25	Chameleon. ACM SIGPLAN Notices, 2009, 44, 408-418.	0.2	24
26	CGCExplorer. , 2007, , .		23
27	Automatic fine-grain locking using shape properties. , 2011, , .		23
28	Programming not only by example. , 2018, , .		23
29	QVM. ACM SIGPLAN Notices, 2008, 43, 143-162.	0.2	18
30	Automatically Verifying Concurrent Queue Algorithms. Electronic Notes in Theoretical Computer Science, 2003, 89, 450-463.	0.9	16
31	Deriving linearizable fine-grained concurrent objects. ACM SIGPLAN Notices, 2008, 43, 125-135.	0.2	16
32	Dynamic synthesis for relaxed memory models. ACM SIGPLAN Notices, 2012, 47, 429-440.	0.2	16
33	Generating precise and concise procedure summaries. ACM SIGPLAN Notices, 2008, 43, 221-234.	0.2	12
34	Programming with â€œBig Codeâ€• Foundations and Trends in Programming Languages, 2016, 3, 231-284.	1.8	12
35	Leveraging a corpus of natural language descriptions for program similarity. , 2016, , .		12
36	Synthesis of Memory Fences via Refinement Propagation. Lecture Notes in Computer Science, 2014, , 237-252.	1.3	12

#	Article	IF	Citations
37	Effective abstractions for verification under relaxed memory models. Computer Languages, Systems and Structures, 2017, 47, 62-76.	1.4	7
38	Abstraction-guided synthesis of synchronization. International Journal on Software Tools for Technology Transfer, 2013, 15, 413-431.	1.9	6
39	Correctness-preserving derivation of concurrent garbage collection algorithms. ACM SIGPLAN Notices, 2006, 41, 341-353.	0.2	5
40	CGCExplorer. ACM SIGPLAN Notices, 2007, 42, 456-467.	0.2	3
41	Estimating types in binaries using predictive modeling. ACM SIGPLAN Notices, 2016, 51, 313-326.	0.2	2
42	Asynchronous assertions. ACM SIGPLAN Notices, 2011, 46, 275-288.	0.2	0
43	PHALANX. ACM SIGPLAN Notices, 2010, 45, 41-50.	0.2	0
44	On the Utility of Canonical Abstraction. , 2005, , 215-253.		0