

Irene Finocchi

List of Publications by Year in descending order

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64
papers

1,033
citations

623699

14
h-index

501174

28
g-index

66
all docs

66
docs citations

66
times ranked

572
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey of Symbolic Execution Techniques. ACM Computing Surveys, 2019, 51, 1-39.	23.0	314
2	Counting cliques in parallel without a cluster: Engineering a fork/join algorithm for shared-memory platforms. Information Sciences, 2019, 496, 553-571.	6.9	6
3	CrumbTrail: An efficient methodology to reduce multiple inheritance in knowledge graphs. Knowledge-Based Systems, 2018, 151, 180-197.	7.1	2
4	Resilient Dynamic Programming. Algorithmica, 2017, 77, 389-425.	1.3	1
5	Guest Editorsâ€™ Foreword. Algorithmica, 2017, 78, 1107-1108.	1.3	0
6	Mining hot calling contexts in small space. Software - Practice and Experience, 2016, 46, 1131-1152.	3.6	8
7	On data skewness, stragglers, and MapReduce progress indicators. , 2015, , .		20
8	Reactive Imperative Programming with Dataflow Constraints. ACM Transactions on Programming Languages and Systems, 2015, 37, 1-53.	2.1	0
9	Clique Counting in MapReduce. Journal of Experimental Algorithmics, 2015, 20, 1-20.	1.0	26
10	Input-Sensitive Profiling. IEEE Transactions on Software Engineering, 2014, 40, 1185-1205.	5.6	8
11	Estimating the Empirical Cost Function of Routines with Dynamic Workloads. , 2014, , .		8
12	Estimating the Empirical Cost Function of Routines with Dynamic Workloads. , 2014, , .		8
13	Software Streams: Big Data Challenges in Dynamic Program Analysis. Lecture Notes in Computer Science, 2013, , 124-134.	1.3	0
14	k-Calling context profiling. , 2012, , .		8
15	Input-sensitive profiling. , 2012, , .		57
16	Input-sensitive profiling. ACM SIGPLAN Notices, 2012, 47, 89-98.	0.2	14
17	k-Calling context profiling. ACM SIGPLAN Notices, 2012, 47, 867-878.	0.2	2
18	Editorial: Preface to the special issue. Networks, 2012, 59, 265-266.	2.7	1

#	ARTICLE	IF	CITATIONS
19	Guest editors' foreword. Journal of Experimental Algorithmics, 2011, 16, .	1.0	0
20	Reactive imperative programming with dataflow constraints. , 2011, , .		19
21	Mining hot calling contexts in small space. , 2011, , .		25
22	Reactive imperative programming with dataflow constraints. ACM SIGPLAN Notices, 2011, 46, 407-426.	0.2	3
23	Experimental Study of Resilient Algorithms and Data Structures. Lecture Notes in Computer Science, 2010, , 1-12.	1.3	5
24	Resilient dictionaries. ACM Transactions on Algorithms, 2009, 6, 1-19.	1.0	12
25	Trading off space for passes in graph streaming problems. ACM Transactions on Algorithms, 2009, 6, 1-17.	1.0	21
26	The Price of Resiliency: a Case Study on Sorting with Memory Faults. Algorithmica, 2009, 53, 597-620.	1.3	11
27	Optimal resilient sorting and searching in the presence of memory faults. Theoretical Computer Science, 2009, 410, 4457-4470.	0.9	24
28	Sorting and Searching in Faulty Memories. Algorithmica, 2008, 52, 309-332.	1.3	30
29	A Note on Algebraic Hypercube Colorings. , 2008, , .		0
30	Engineering Tree Labeling Schemes: A Case Study on Least Common Ancestors. Lecture Notes in Computer Science, 2008, , 234-245.	1.3	8
31	On coding labeled trees. Theoretical Computer Science, 2007, 382, 97-108.	0.9	17
32	Designing reliable algorithms in unreliable memories. Computer Science Review, 2007, 1, 77-87.	15.3	18
33	Optimal Resilient Dynamic Dictionaries. Lecture Notes in Computer Science, 2007, , 347-358.	1.3	23
34	A data-driven graphical toolkit for software visualization. , 2006, , .		3
35	Conflict-free star-access in parallel memory systems. Journal of Parallel and Distributed Computing, 2006, 66, 1431-1441.	4.1	24
36	Crossing-constrained hierarchical drawings. Journal of Discrete Algorithms, 2006, 4, 299-312.	0.7	3

#	ARTICLE	IF	CITATIONS
37	Visual editing of animated algorithms. , 2006, , .		1
38	Optimal Resilient Sorting and Searching in the Presence of Memory Faults. Lecture Notes in Computer Science, 2006, , 286-298.	1.3	22
39	Trading off space for passes in graph streaming problems. , 2006, , .		28
40	Structure-Preserving Hierarchical Decompositions. Theory of Computing Systems, 2005, 38, 687-700.	1.1	1
41	An Experimental Analysis of Simple, Distributed Vertex Coloring Algorithms. Algorithmica, 2005, 41, 1-23.	1.3	30
42	Portraying Algorithms with Leonardo Web. Lecture Notes in Computer Science, 2005, , 73-83.	1.3	4
43	Sorting and searching in the presence of memory faults (without redundancy). , 2004, , .		21
44	A portable virtual machine for program debugging and directing. , 2004, , .		7
45	A Java-based system for building animated presentations over the Web. Science of Computer Programming, 2004, 53, 37-49.	1.9	3
46	Divider-based algorithms for hierarchical tree partitioning. Discrete Applied Mathematics, 2004, 136, 227-247.	0.9	1
47	Dynamic Graphs. Chapman & Hall/CRC Computer and Information Science Series, 2004, , 36-1-36-20.	0.4	8
48	Engineering and Visualizing Algorithms. Lecture Notes in Computer Science, 2004, , 509-513.	1.3	0
49	ALGORITHM ENGINEERING. , 2004, , 83-104.		2
50	Combinatorial algorithms for feedback problems in directed graphs. Information Processing Letters, 2003, 86, 129-136.	0.6	35
51	ON MAX CUT IN CUBIC GRAPHS. International Journal of Parallel, Emergent and Distributed Systems, 2002, 17, 165-183.	0.4	0
52	Specifying Algorithm Visualizations: Interesting Events or State Mapping?. Lecture Notes in Computer Science, 2002, , 16-30.	1.3	19
53	Visualization in Algorithm Engineering: Tools and Techniques. Lecture Notes in Computer Science, 2002, , 24-50.	1.3	7
54	Tree partitioning via vertex deletion. Electronic Notes in Discrete Mathematics, 2001, 8, 38-41.	0.4	0

#	ARTICLE	IF	CITATIONS
55	Smooth Animation of Algorithms in a Declarative Framework. Journal of Visual Languages and Computing, 2001, 12, 253-281.	1.8	7
56	Breaking cycles for minimizing crossings. Journal of Experimental Algorithmics, 2001, 6, 2.	1.0	8
57	On the Validity of Hierarchical Decompositions. Lecture Notes in Computer Science, 2001, , 368-374.	1.3	3
58	Hierarchical Clustering of Trees: Algorithms and Experiments. Lecture Notes in Computer Science, 2001, , 117-131.	1.3	3
59	Visualizing Algorithms Over the Web with the Publication-Driven Approach. Lecture Notes in Computer Science, 2001, , 147-158.	1.3	7
60	Reversible Execution and Visualization of Programs with LEONARDO. Journal of Visual Languages and Computing, 2000, 11, 125-150.	1.8	50
61	Infinite Trees and the Future. Lecture Notes in Computer Science, 1999, , 379-391.	1.3	6
62	A Technique for Generating Graphical Abstractions of Program Data Structures. Lecture Notes in Computer Science, 1999, , 790-797.	1.3	2
63	Algorithms for Data Streams. , 0, , 241-269.		1
64	Which conference is that? A case study in computer science. Journal of Data and Information Quality, 0, , .	2.1	1