

Martin Hirzel

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,347
citations

759233

12
h-index

752698

20
g-index

42
all docs

42
docs citations

42
times ranked

981
citing authors

#	ARTICLE	IF	CITATIONS
1	The DaCapo benchmarks. , 2006, , .		1,119
2	A catalog of stream processing optimizations. ACM Computing Surveys, 2014, 46, 1-34.	23.0	209
3	The DaCapo benchmarks. ACM SIGPLAN Notices, 2006, 41, 169-190.	0.2	189
4	Elastic Scaling for Data Stream Processing. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1447-1463.	5.6	172
5	General incremental sliding-window aggregation. Proceedings of the VLDB Endowment, 2015, 8, 702-713.	3.8	77
6	Partition and compose. , 2012, , .		65
7	Auto-parallelizing stateful distributed streaming applications. , 2012, , .		56
8	Understanding the connectivity of heap objects. , 2002, , .		48
9	Fast online pointer analysis. ACM Transactions on Programming Languages and Systems, 2007, 29, 11.	2.1	40
10	Low-Latency Sliding-Window Aggregation in Worst-Case Constant Time. , 2017, , .		35
11	Safe Data Parallelism for General Streaming. IEEE Transactions on Computers, 2015, 64, 504-517.	3.4	34
12	A Universal Calculus for Stream Processing Languages. Lecture Notes in Computer Science, 2010, , 507-528.	1.3	31
13	Dynamic expressivity with static optimization for streaming languages. , 2013, , .		23
14	Stream Processing with a Spreadsheet. Lecture Notes in Computer Science, 2014, , 360-384.	1.3	22
15	Stream Processing Languages in the Big Data Era. SIGMOD Record, 2018, 47, 29-40.	1.2	21
16	No bit left behind. , 2008, , .		18
17	From a stream of relational queries to distributed stream processing. Proceedings of the VLDB Endowment, 2010, 3, 1394-1405.	3.8	18
18	SPL. ACM Transactions on Programming Languages and Systems, 2017, 39, 1-39.	2.1	17

#	ARTICLE	IF	CITATIONS
19	Sliding-Window Aggregation Algorithms. , 2017, , .		17
20	Optimal and general out-of-order sliding-window aggregation. Proceedings of the VLDB Endowment, 2019, 12, 1167-1180.	3.8	16
21	Testing properties of dataflow program operators. , 2013, , .		12
22	Jeannie. ACM SIGPLAN Notices, 2007, 42, 19-38.	0.2	11
23	Spreadsheets for stream processing with unbounded windows and partitions. , 2016, , .		11
24	Extending a general-purpose streaming system for XML. , 2012, , .		10
25	Jinn. ACM SIGPLAN Notices, 2010, 45, 36-49.	0.2	9
26	Semantic characterization of MapReduce workloads. , 2013, , .		9
27	River: an intermediate language for stream processing. Software - Practice and Experience, 2016, 46, 891-929.	3.6	9
28	Connectivity-based garbage collection. ACM SIGPLAN Notices, 2003, 38, 359-373.	0.2	7
29	Debug all your code. ACM SIGPLAN Notices, 2009, 44, 207-226.	0.2	7
30	Z-rays. ACM SIGPLAN Notices, 2010, 45, 471-482.	0.2	4
31	From a calculus to an execution environment for stream processing. , 2012, , .		4
32	AQuA. , 2016, , .		2
33	In-order sliding-window aggregation in worst-case constant time. VLDB Journal, 2021, 30, 933-957.	4.1	2
34	Stream Processing Languages and Abstractions. , 2018, , 1-8.		2
35	Sliding-Window Aggregation Algorithms. , 2019, , 1516-1521.		2
36	Debugging mixed-environment programs with Blink. Software - Practice and Experience, 2015, 45, 1277-1306.	3.6	1

#	ARTICLE	IF	CITATIONS
37	Continuous Queries. , 2018, , 1-6.		0
38	Stream Processing Languages and Abstractions. , 2019, , 1600-1607.		0
39	Continuous Queries. , 2019, , 513-518.		0
40	Dagstuhl Seminar on Big Stream Processing. SIGMOD Record, 2019, 47, 36-39.	1.2	0