Pierluigi San Pietro

List of Publications by Year
in descending order

57	518	933447 10	839539 18
papers	citations	h-index	g-index

61	61	61	182
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Object-oriented logical specification of time-critical systems. ACM Transactions on Software Engineering and Methodology, 1994, 3, 56-98.	6.0	59
2	Bounded satisfiability checking of metric temporal logic specifications. ACM Transactions on Software Engineering and Methodology, 2013, 22, 1-54.	6.0	38
3	The symmetry of the past and of the future. , 2007, , .		29
4	Embedding time granularity in a logical specification language for synchronous real-time systems. Science of Computer Programming, 1993, 20, 141-171.	1.9	28
5	A scalable formal method for design and automatic checking of user interfaces. ACM Transactions on Software Engineering and Methodology, 2005, 14, 124-167.	6.0	23
6	A tool for deciding the satisfiability of continuous-time metric temporal logic. Acta Informatica, 2016, 53, 171-206.	0.5	22
7	Picture languages: Tiling systems versus tile rewriting grammars. Theoretical Computer Science, 2006, 356, 90-103.	0.9	20
8	The Tale of SOLOIST: A Specification Language for Service Compositions Interactions. Lecture Notes in Computer Science, 2013, , 55-72.	1.3	20
9	Bounded Reachability for Temporal Logic over Constraint Systems. , 2010, , .		16
10	Model-Checking TRIO Specifications in SPIN. Lecture Notes in Computer Science, 2003, , 542-561.	1.3	16
11	Refining Real-Time System Specifications through Bounded Model- and Satisfiability-Checking. , 2008, , .		15
12	Presburger liveness verification of discrete timed automata. Theoretical Computer Science, 2003, 299, 413-438.	0.9	13
13	An SMT-based approach to satisfiability checking of MITL. Information and Computation, 2015, 245, 72-97.	0.7	13
14	Efficient large-scale trace checking using mapreduce. , 2016, , .		12
15	FROM REGULAR TO STRICTLY LOCALLY TESTABLE LANGUAGES. International Journal of Foundations of Computer Science, 2012, 23, 1711-1727.	1.1	11
16	SMT-Based Checking of SOLOIST over Sparse Traces. Lecture Notes in Computer Science, 2014, , 276-290.	1.3	11
17	Constraint LTL satisfiability checking without automata. Journal of Applied Logic, 2014, 12, 522-557.	1.1	10
18	A Tool for Deciding the Satisfiability of Continuous-Time Metric Temporal Logic. , 2013, , .		9

#	Article	IF	Citations
19	A Metric Encoding for Bounded Model Checking. Lecture Notes in Computer Science, 2009, , 741-756.	1.3	9
20	Deciding the Satisfiability of MITL Specifications. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 119, 64-78.	0.8	9
21	Generation of execution sequences for modular time critical systems. IEEE Transactions on Software Engineering, 2000, 26, 128-149.	5.6	8
22	An object-oriented logic language for modular system specification. , 1991, , 39-58.		7
23	Trio2Promela: A Model Checker for Temporal Metric Specifications. , 2007, , .		7
24	A Logical Characterization of Timed (non-)Regular Languages. Lecture Notes in Computer Science, 2014, , 75-86.	1.3	7
25	A Polynomial-Time Parsing Algorithm forK-Depth Languages. Journal of Computer and System Sciences, 1996, 52, 61-79.	1.2	6
26	Verification in loosely synchronous queue-connected discrete timed automata. Theoretical Computer Science, 2003, 290, 1713-1735.	0.9	6
27	Consensual languages and matching finite-state computations. RAIRO - Theoretical Informatics and Applications, 2011, 45, 77-97.	0.5	6
28	Extracting Coarse-Grained Parallelism in Program Loops with the Slicing Framework. , 2007, , .		5
29	Model Checking Temporal Metric Specifications with Trio2Promela. , 2007, , 388-395.		5
30	Finding Synchronization-Free Parallelism Represented with Trees of Dependent Operations. , 2008, , 185-195.		5
31	Associative definition of programming languages. Computer Languages, Systems and Structures, 2000, 26, 105-123.	0.3	4
32	Associative language descriptions. Theoretical Computer Science, 2002, 270, 463-491.	0.9	4
33	Offline Trace Checking of Quantitative Properties of Service-Based Applications. , 2014, , .		4
34	A logical characterization of timed regular languages. Theoretical Computer Science, 2017, 658, 46-59.	0.9	4
35	Alias Analysis by Means of a Model Checker. Lecture Notes in Computer Science, 2001, , 3-19.	1.3	4
36	Finding Synchronization-Free Slices of Operations in Arbitrarily Nested Loops. Lecture Notes in Computer Science, 2008, , 871-886.	1.3	4

#	Article	IF	Citations
37	Deciding Continuous-Time Metric Temporal Logic with Counting Modalities. Lecture Notes in Computer Science, 2013, , 70-82.	1.3	4
38	Title is missing!. Automated Software Engineering, 2000, 7, 125-155.	2.9	3
39	Real-Counter Automata and Their Decision Problems. Lecture Notes in Computer Science, 2004, , 198-210.	1.3	3
40	From Regular to Strictly Locally Testable Languages. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 63, 103-111.	0.8	3
41	Model Checking MITL Formulae on Timed Automata. ACM Transactions on Computational Logic, 2020, 21, 1-44.	0.9	3
42	A finite-domain semantics for testing temporal logic specifications. Lecture Notes in Computer Science, 1998, , 41-54.	1.3	2
43	STRICT LOCAL TESTABILITY WITH CONSENSUS EQUALS REGULARITY, AND OTHER PROPERTIES. International Journal of Foundations of Computer Science, 2013, 24, 747-763.	1.1	2
44	The Missing Case in Chomsky-SchÃ¼tzenberger Theorem. Lecture Notes in Computer Science, 2016, , 345-358.	1.3	2
45	Improved Bounded Model Checking of Timed Automata. , 2021, , .		2
46	Homomorphic Characterization of Tree Languages Based on Comma-Free Encoding. Lecture Notes in Computer Science, 2021, , 241-254.	1.3	2
47	Benchmarking Model- and Satisfiability-Checking on Bi-infinite Time. Lecture Notes in Computer Science, 2008, , 290-304.	1.3	2
48	Dense-choice Counter Machines revisited. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 10, 3-22.	0.8	2
49	Deterministic Counter Machines and Parallel Matching Computations. Lecture Notes in Computer Science, 2013, , 280-291.	1.3	2
50	Tree Adjoining Languages and Multipushdown Languages. Theory of Computing Systems, 2000, 33, 257-293.	1.1	1
51	Non-erasing Chomsky-SchÃ¼tzenberger theorem with grammar-independent alphabet. Information and Computation, 2019, 269, 104442.	0.7	1
52	Commutative Languages and their Composition by Consensual Methods. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 151, 216-230.	0.8	1
53	Regular Languages as Local Functions with Small Alphabets. Lecture Notes in Computer Science, 2019, , 124-137.	1.3	1
54	Dense-choice Counter Machines revisited. Theoretical Computer Science, 2014, 542, 17-31.	0.9	0

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55	Counter machines, Petri Nets, and consensual computation. Theoretical Computer Science, 2017, 664, 91-116.	0.9	0
56	On the initialization of clocks in timed formalisms. Theoretical Computer Science, 2020, 813, 175-198.	0.9	0
57	Deque Languages, Automata and Planar Graphs. Lecture Notes in Computer Science, 2018, , 243-255.	1.3	0