

Franck Cassez

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,226
citations

586496

16
h-index

466096

32
g-index

61
all docs

61
docs citations

61
times ranked

644
citing authors

#	ARTICLE	IF	CITATIONS
1	Formal Verification of the Ethereum 2.0 Beacon Chain. Lecture Notes in Computer Science, 2022, , 167-182.	1.0	8
2	Verification of the Incremental Merkle Tree Algorithm with Dafny. Lecture Notes in Computer Science, 2021, , 445-462.	1.0	4
3	Efficient and Scalable Runtime Monitoring for Cyber-Physical System. IEEE Systems Journal, 2018, 12, 1667-1678.	2.9	25
4	Skink: Static Analysis of Programs in LLVM Intermediate Representation. Lecture Notes in Computer Science, 2017, , 380-384.	1.0	13
5	Refinement of Trace Abstraction for Real-Time Programs. Lecture Notes in Computer Science, 2017, , 42-58.	1.0	7
6	WUPPAAL: Computation of Worst-Case Execution-Time for Binary Programs with UPPAAL. Lecture Notes in Computer Science, 2017, , 560-577.	1.0	6
7	Real-Time Simulation Support for Runtime Verification of Cyber-Physical Systems. Transactions on Embedded Computing Systems, 2017, 16, 1-24.	2.1	8
8	ScalaSMT: satisfiability modulo theory in Scala (tool paper). , 2017, , .		5
9	The sbt-rats parser generator plugin for Scala (tool paper). , 2016, , .		3
10	The complexity of synchronous notions of information flow security. Theoretical Computer Science, 2016, 631, 16-42.	0.5	1
11	BraceAssertion: Runtime Verification of Cyber-Physical Systems. , 2015, , .		17
12	Verification of Concurrent Programs Using Trace Abstraction Refinement. Lecture Notes in Computer Science, 2015, , 233-248.	1.0	8
13	Control and synthesis of non-interferent timed systems. International Journal of Control, 2015, 88, 217-236.	1.2	17
14	Energy and mean-payoff timed games. , 2014, , .		7
15	Timing Analysis of Binary Programs with UPPAAL. , 2013, , .		7
16	PtrTracker: Pragmatic pointer analysis. , 2013, , .		3
17	Predictability of Event Occurrences in Timed Systems. Lecture Notes in Computer Science, 2013, , 62-76.	1.0	19
18	The Complexity of Codiagnosability for Discrete Event and Timed Systems. IEEE Transactions on Automatic Control, 2012, 57, 1752-1764.	3.6	36

#	ARTICLE	IF	CITATIONS
19	High Performance Static Analysis for Industry. <i>Electronic Notes in Theoretical Computer Science</i> , 2012, 289, 3-14.	0.9	5
20	Synthesis of opaque systems with static and dynamic masks. <i>Formal Methods in System Design</i> , 2012, 40, 88-115.	0.9	112
21	Controllers with Minimal Observation Power (Application to Timed Systems). <i>Lecture Notes in Computer Science</i> , 2012, , 223-237.	1.0	0
22	Timed Games for Computing WCET for Pipelined Processors with Caches. , 2011, , .		11
23	Timed Modal Logics for Real-Time Systems. <i>Journal of Logic, Language and Information</i> , 2011, 20, 169-203.	0.4	10
24	Dynamic observers for fault diagnosis of timed systems. , 2010, , .		8
25	The Complexity of Synchronous Notions of Information Flow Security. <i>Lecture Notes in Computer Science</i> , 2010, , 282-296.	1.0	4
26	The Complexity of Codiagnosability for Discrete Event and Timed Systems. <i>Lecture Notes in Computer Science</i> , 2010, , 82-96.	1.0	4
27	A note on fault diagnosis algorithms. , 2009, , .		7
28	Automatic Synthesis of Robust and Optimal Controllers “ An Industrial Case Study. <i>Lecture Notes in Computer Science</i> , 2009, , 90-104.	1.0	44
29	The Dark Side of Timed Opacity. <i>Lecture Notes in Computer Science</i> , 2009, , 21-30.	1.0	26
30	Dynamic Observers for the Synthesis of Opaque Systems. <i>Lecture Notes in Computer Science</i> , 2009, , 352-367.	1.0	29
31	Synthesis of Non-Interferent Timed Systems. <i>Lecture Notes in Computer Science</i> , 2009, , 28-42.	1.0	5
32	Fault diagnosis with dynamic observers. , 2008, , .		6
33	Synthesis Of Optimal-Cost Dynamic Observers for Fault Diagnosis of Discrete-Event Systems. , 2007, , .		7
34	Sensor Minimization Problems with Static or Dynamic Observers for Fault Diagnosis. , 2007, , .		24
35	Semantics of Biological Regulatory Networks. <i>Electronic Notes in Theoretical Computer Science</i> , 2007, 180, 3-14.	0.9	34
36	Synthesis of Non-interferent Distributed Systems. , 2007, , 159-170.		4

#	ARTICLE	IF	CITATIONS
37	Efficient On-the-Fly Algorithms for Partially Observable Timed Games. Lecture Notes in Computer Science, 2007, , 5-24.	1.0	14
38	Timed Control with Observation Based and Stuttering Invariant Strategies. Lecture Notes in Computer Science, 2007, , 192-206.	1.0	27
39	Structural translation from Time Petri Nets to Timed Automata. Journal of Systems and Software, 2006, 79, 1456-1468.	3.3	88
40	Symbolic Unfoldings for Networks of Timed Automata. Lecture Notes in Computer Science, 2006, , 307-321.	1.0	14
41	Structural Translation from Time Petri Nets to Timed Automata. Electronic Notes in Theoretical Computer Science, 2005, 128, 145-160.	0.9	23
42	Synthesis of Optimal Strategies Using HyTech. Electronic Notes in Theoretical Computer Science, 2005, 119, 11-31.	0.9	11
43	Efficient On-the-Fly Algorithms for the Analysis of Timed Games. Lecture Notes in Computer Science, 2005, , 66-80.	1.0	191
44	Comparison of the Expressiveness of Timed Automata and Time Petri Nets. Lecture Notes in Computer Science, 2005, , 211-225.	1.0	58
45	Introduction au contrÃ´le des systÃªmes temps-rÃ©el. Journal Europeen Des Systemes Automatisees, 2005, 39, 367-380.	0.3	7
46	Modal Logics for Timed Control. Lecture Notes in Computer Science, 2005, , 81-94.	1.0	4
47	Optimal Strategies in Priced Timed Game Automata. Lecture Notes in Computer Science, 2004, , 148-160.	1.0	52
48	Optimal Strategies in Priced Timed Game Automata. BRICS Report Series, 2004, 11, .	0.2	6
49	A Comparison of Control Problems for Timed and Hybrid Systems. Lecture Notes in Computer Science, 2002, , 134-148.	1.0	51
50	Extending the Translation from SDL to Promela. Lecture Notes in Computer Science, 2002, , 79-94.	1.0	7
51	Verification of Embedded Reactive Fiffo Systems. Lecture Notes in Computer Science, 2002, , 400-414.	1.0	0
52	Application of Partial-Order Methods to Reactive Programs with Event Memorization. Real-Time Systems, 2001, 20, 287-316.	1.1	0
53	The Impressive Power of Stopwatches. Lecture Notes in Computer Science, 2000, , 138-152.	1.0	114
54	Hybrid Verifications of Reactive Programs. Formal Aspects of Computing, 1999, 11, 448-471.	1.4	1

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55	Effective Recognizability and Model Checking of Reactive Fiffo Automata. Lecture Notes in Computer Science, 1998, , 106-123.	1.0	1
56	Compilation of the ELECTRE reactive language into finite transition systems. Theoretical Computer Science, 1995, 146, 109-143.	0.5	17
57	Comparison of Expressiveness for Timed Automata and Time Petri Nets. , 0, , 93-144.		0
58	Timed Automata for Modelling Caches and Pipelines. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 196, 37-45.	0.8	2
59	Fault Diagnosis of Timed Systems. , 0, , 107-138.		1