Didier Lime

List of Publications by Year
in descending order

63 papers	1,240 citations	516710 16 h-index	395702 33 g-index
68 all docs	68 docs citations	68 times ranked	487 citing authors

#	Article	IF	Citations
1	Efficient On-the-Fly Algorithms for the Analysis of Timed Games. Lecture Notes in Computer Science, 2005, , 66-80.	1.3	191
2	UPPAAL-Tiga: Time for Playing Games!. Lecture Notes in Computer Science, 2007, , 121-125.	1.3	180
3	Romeo: A Tool for Analyzing Time Petri Nets. Lecture Notes in Computer Science, 2005, , 418-423.	1.3	86
4	Romeo: A Parametric Model-Checker for Petri Nets with Stopwatches. Lecture Notes in Computer Science, 2009, , 54-57.	1.3	76
5	Integer Parameter Synthesis for Real-Time Systems. IEEE Transactions on Software Engineering, 2015, 41, 445-461.	5.6	60
6	Model Checking of Time Petri Nets Using the State Class Timed Automaton. Discrete Event Dynamic Systems: Theory and Applications, 2006, 16, 179-205.	1.5	59
7	Comparison of the Expressiveness of Timed Automata and Time Petri Nets. Lecture Notes in Computer Science, 2005, , 211-225.	1.3	58
8	Reachability Problems and Abstract State Spaces for Time Petri Nets with Stopwatches. Discrete Event Dynamic Systems: Theory and Applications, 2007, 17, 133-158.	1.5	53
9	Hybrid Modelling and Dynamical Analysis of Gene Regulatory Networks with Delays. Complexus, 2006, 3, 231-251.	0.6	50
10	Time Petri Nets with Inhibitor Hyperarcs. Formal Semantics and State Space Computation. Lecture Notes in Computer Science, 2004, , 371-390.	1.3	42
11	Formal verification of real-time systems withÂpreemptive scheduling. Real-Time Systems, 2009, 41, 118-151.	1.3	33
12	Timed Control with Observation Based and Stuttering Invariant Strategies. Lecture Notes in Computer Science, 2007, , 192-206.	1.3	27
13	Integer Parameter Synthesis for Timed Automata. Lecture Notes in Computer Science, 2013, , 401-415.	1.3	23
14	On Multi-enabledness in Time Petri Nets. Lecture Notes in Computer Science, 2013, , 130-149.	1.3	18
15	Control and synthesis of non-interferent timed systems. International Journal of Control, 2015, 88, 217-236.	1.9	17
16	Liveness in L/U-Parametric Timed Automata. , 2017, , .		15
17	Decision Problems for Parametric Timed Automata. Lecture Notes in Computer Science, 2016, , 400-416.	1.3	15
18	Expressiveness and analysis of scheduling extended time Petri nets. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 189-197.	0.4	13

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19	Parametric Model-Checking of Time Petri Nets with Stopwatches Using the State-Class Graph. Lecture Notes in Computer Science, 2008, , 280-294.	1.3	13
20	Towards energy-proportional clouds partially powered by renewable energy. Computing (Vienna/New) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.8	10
21	Parameter Synthesis for Parametric Interval Markov Chains. Lecture Notes in Computer Science, 2016, , 372-390.	1.3	10
22	TCTL Model Checking Lower/Upper-Bound Parametric Timed Automata Without Invariants. Lecture Notes in Computer Science, 2018, , 37-52.	1.3	9
23	Reachability in parametric Interval Markov Chains using constraints. Theoretical Computer Science, 2018, 747, 48-74.	0.9	8
24	Integer-Complete Synthesis for Bounded Parametric Timed Automata. Lecture Notes in Computer Science, 2015, , 7-19.	1.3	8
25	The EPOC Project - Energy Proportional and Opportunistic Computing System. , 2015, , .		8
26	New Results on Timed Specifications. Lecture Notes in Computer Science, 2012, , 175-192.	1.3	7
27	On the Expressiveness of Parametric Timed Automata. Lecture Notes in Computer Science, 2016, , 19-34.	1.3	6
28	Parametric Interrupt Timed Automata. Lecture Notes in Computer Science, 2013, , 59-69.	1.3	6
29	Optimal Reachability in Cost Time Petri Nets. Lecture Notes in Computer Science, 2017, , 58-73.	1.3	6
30	Parametric Statistical Model Checking of UAV Flight Plan. Lecture Notes in Computer Science, 2019, , 57-74.	1.3	6
31	Guaranteeing Timed Opacity using Parametric Timed Model Checking. ACM Transactions on Software Engineering and Methodology, 2022, 31, 1-36.	6.0	6
32	Probabilistic Time Petri Nets. Lecture Notes in Computer Science, 2016, , 261-280.	1.3	5
33	An Efficient Method for Computing Exact State Space of Petri Nets With Stopwatches. Electronic Notes in Theoretical Computer Science, 2006, 144, 59-77.	0.9	4
34	Symbolic Unfolding of Parametric Stopwatch Petri Nets. Lecture Notes in Computer Science, 2010, , 291-305.	1.3	4
35	Parametric Verification: An Introduction. Lecture Notes in Computer Science, 2019, , 64-100.	1.3	4
36	Integrated Model-Checking for the Design of Safe and Efficient Distributed Software Commissioning. Lecture Notes in Computer Science, 2019, , 120-137.	1.3	4

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37	Shrinking of Time Petri nets. Discrete Event Dynamic Systems: Theory and Applications, 2013, 23, 419-438.	1.5	3
38	Interrupt Timed Automata with Auxiliary Clocks and Parameters*. Fundamenta Informaticae, 2016, 143, 235-259.	0.4	3
39	A game approach to the parametric control of real-time systems. International Journal of Control, 2019, 92, 2025-2036.	1.9	3
40	Parametric Updates in Parametric Timed Automata. Lecture Notes in Computer Science, 2019, , 39-56.	1.3	3
41	Discrete Parameters in Petri Nets. Lecture Notes in Computer Science, 2015, , 137-156.	1.3	3
42	Symbolic State Space of Stopwatch Petri Nets with Discrete-Time Semantics (Theory Paper). Lecture Notes in Computer Science, 2008, , 307-326.	1.3	3
43	Synthesis of Bounded Integer Parameters for Parametric Timed Reachability Games. Lecture Notes in Computer Science, 2013, , 87-101.	1.3	3
44	CHANNEL SYNTHESIS FOR FINITE TRANSDUCERS. International Journal of Foundations of Computer Science, 2012, 23, 1241-1260.	1.1	2
45	Symbolic unfolding of parametric stopwatch Petri nets. Formal Methods in System Design, 2013, 43, 493-519.	0.8	2
46	Blending Timed Formal Models with Clock Transition Systems. Fundamenta Informaticae, 2014, 129, 85-100.	0.4	2
47	Optimal-Cost Reachability Analysis Based on Time Petri Nets. , 2018, , .		2
48	Timed Automata with Parametric Updates. , 2018, , .		2
49	Parametric Timed Broadcast Protocols. Lecture Notes in Computer Science, 2019, , 491-512.	1.3	2
50	Reachability in Parametric Interval Markov Chains Using Constraints. Lecture Notes in Computer Science, 2017, , 173-189.	1.3	2
51	Robustness of Time Petri Nets under Architectural Constraints. Lecture Notes in Computer Science, 2012, , 11-26.	1.3	2
52	Applying Parametric Model-Checking Techniques for Reusing Real-Time Critical Systems. Communications in Computer and Information Science, 2017, , 129-144.	0.5	2
53	Control of Real-Time Systems With Integer Parameters. IEEE Transactions on Automatic Control, 2022, 67, 75-88.	5.7	2
54	Letâ€™s Be Lazy, We Have Time. Lecture Notes in Computer Science, 2017, , 247-263.	1.3	1

#	Article	IF	Citations
55	Logical time control of concurrent DES. Discrete Event Dynamic Systems: Theory and Applications, 2021, 31, 185-217.	1.5	1
56	Parameter Synthesis for Bounded Cost Reachability in Time Petri Nets. Lecture Notes in Computer Science, 2019, , 406-425.	1.3	1
57	Comparison of Expressiveness for Timed Automata and Time Petri Nets. , 0, , 93-144.		0
58	On the Expressive Power of Invariants in Parametric Timed Automata. , 2019, , .		0
59	An Algorithm for Single-Source Shortest Paths Enumeration in Parameterized Weighted Graphs. Lecture Notes in Computer Science, 2021, , 279-290.	1.3	0
60	A Lazy Query Scheme for Reachability Analysis in Petri Nets. Lecture Notes in Computer Science, 2021, , 360-378.	1.3	0
61	A Turn-Based Approach for Qualitative Time Concurrent Games. Lecture Notes in Computer Science, 2021, , 76-92.	1.3	0
62	Coercition temporelle de réseaux de Petri. Journal Europeen Des Systemes Automatises, 2011, 45, 13-28.	0.4	0
63	Backward Symbolic Optimal Reachability in Weighted Timed Automata. Lecture Notes in Computer Science, 2020, , 41-57.	1.3	0