Laure Petrucci

List of Publications by Year
in descending order

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50	868	933447	677142
papers	citations	10 h-index	22 g-index

60	60	60	451
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Minimal Schedule with Minimal Number of Agents in Attack-Defence Trees. , 2022, , .		1
2	On Completeness of Liveness Synthesis for Parametric Timed Automata (Extended Abstract). Lecture Notes in Computer Science, 2021, , 3-10.	1.3	1
3	Iterative Bounded Synthesis for Efficient Cycle Detection in Parametric Timed Automata. Lecture Notes in Computer Science, 2021, , 311-329.	1.3	7
4	Quasi-optimal partial order reduction. Formal Methods in System Design, 2020, 57, 3.	0.8	1
5	Parametric Verification: An Introduction. Lecture Notes in Computer Science, 2019, , 64-100.	1.3	4
6	Parallel Model Checking Algorithms for Linear-Time Temporal Logic. , 2018, , 457-507.		20
7	Layered and Collecting NDFS with Subsumption for Parametric Timed Automata. , 2018, , .		12
8	Parameter Synthesis Algorithms for Parametric Interval Markov Chains. Lecture Notes in Computer Science, 2018, , 121-140.	1.3	5
9	Quasi-Optimal Partial Order Reduction. Lecture Notes in Computer Science, 2018, , 354-371.	1.3	12
10	Parametric Model Checking Timed Automata Under Non-Zenoness Assumption. Lecture Notes in Computer Science, 2017, , 35-51.	1.3	5
11	Controlling Actions and Time in Parametric Timed Automata. , 2016, , .		1
12	COCA: Congestion-oriented clustering algorithm for wireless sensor networks. , 2016, , .		0
13	Parameter Synthesis for Parametric Interval Markov Chains. Lecture Notes in Computer Science, 2016, , 372-390.	1.3	10
14	Component-Based Abstraction of Petri Net Models. , 2015, , .		2
15	Decrypting cryptography. , 2015, , .		0
16	Monitoring students performances in French Institutes of Technology using the ScoDoc software. , 2014, , .		1
17	Teaching formal methods: Experience at UPMC and UP13 with CosyVerif. , 2014, , .		0
18	Nationwide industrial cooperation for long-life learning and apprenticeships. , 2014, , .		0

#	Article	IF	Citations
19	PeCAn: Compositional Verification of Petri Nets Made Easy. Lecture Notes in Computer Science, 2014, , 242-247.	1.3	2
20	A New Approach to Abstract Reachability State Space of Time Petri Nets. , 2013, , .		9
21	CosyVerif: An Open Source Extensible Verification Environment. , 2013, , .		8
22	Professional experience validation process at a national level. , 2013, , .		1
23	Verification of Reachability Properties for Time Petri Nets. Lecture Notes in Computer Science, 2013, , 159-170.	1.3	1
24	Precise Robustness Analysis of Time Petri Nets with Inhibitor Arcs. Lecture Notes in Computer Science, 2013, , 1-15.	1.3	4
25	Multi-threaded Explicit State Space Exploration with State Reconstruction. Lecture Notes in Computer Science, 2013, , 208-223.	1.3	8
26	From Code to Coloured Petri Nets: Modelling Guidelines. Lecture Notes in Computer Science, 2013, , 71-88.	1.3	0
27	A Modular Approach for Reusing Formalisms in Verification Tools of Concurrent Systems. Lecture Notes in Computer Science, 2013, , 199-214.	1.3	4
28	Distributed model-checking and counterexample search for CTL logic. International Journal of Critical Computer-Based Systems, 2012, 3, 44.	0.1	13
29	Improved Multi-Core Nested Depth-First Search. Lecture Notes in Computer Science, 2012, , 269-283.	1.3	39
30	Extending pnml Scope: A Framework to Combine Petri Nets Types. Lecture Notes in Computer Science, 2012, , 46-70.	1.3	3
31	Modelling and Formal Verification of the NEO Protocol. Lecture Notes in Computer Science, 2012, , 197-225.	1.3	1
32	A Counterexample-Based Incremental and Modular Verification Approach. Lecture Notes in Computer Science, 2012, , 283-302.	1.3	2
33	Parallel Nested Depth-First Searches for LTL Model Checking. Lecture Notes in Computer Science, 2011, , 381-396.	1.3	15
34	Coloured Petri net refinement specification and correctness proof with Coq. Innovations in Systems and Software Engineering, 2010, 6, 195-202.	2.1	2
35	The NEO Protocol for Large-Scale Distributed Database Systems: Modelling and Initial Verification. Lecture Notes in Computer Science, 2010, , 145-164.	1.3	7
36	Efficient state-based analysis by introducing bags in Petri nets color domains. , 2009, , .		13

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37	Towards a Standard for Modular Petri Nets: A Formalisation. Lecture Notes in Computer Science, 2009, , 43-62.	1.3	11
38	Experimenting Formal Proofs of Petri Nets Refinements. Electronic Notes in Theoretical Computer Science, 2008, 214, 231-254.	0.9	9
39	FAST: acceleration from theory to practice. International Journal on Software Tools for Technology Transfer, 2008, 10, 401-424.	1.9	64
40	Modular construction of the symbolic observation graph. , 2008, , .		23
41	Application des mÃ©thodes formelles Ã la robotique modulaire. MÃ©thodes formelles pour l'analyse des robots autonomes et modulaires. Journal Europeen Des Systemes Automatises, 2008, 42, 459-478.	0.4	0
42	A Modelling Approach with Coloured Petri Nets. , 2008, , 73-86.		7
43	Cooperative CBR System for Peer Agent Committee Formation. Lecture Notes in Computer Science, 2008, , 51-62.	1.3	1
44	Modular state space exploration for timed petri nets. International Journal on Software Tools for Technology Transfer, 2007, 9, 393-411.	1.9	18
45	An Incremental and Modular Technique for Checking LTLâˆ–X Properties of Petri Nets. Lecture Notes in Computer Science, 2007, , 280-295.	1.3	5
46	The Petri Net Markup Language: Concepts, Technology, and Tools. Lecture Notes in Computer Science, 2003, , 483-505.	1.3	188
47	FAST: Fast Acceleration of Symbolic Transition Systems. Lecture Notes in Computer Science, 2003, , 118-121.	1.3	67
48	Specification and validation of a concurrent system: an educational project. International Journal on Software Tools for Technology Transfer, 2001, 3, 372-381.	1.9	7
49	Systems and Software Verification. , 2001, , .		235
50	Timed ATL: Forget Memory, Just Count. Journal of Artificial Intelligence Research, 0, 66, 197-223.	7.0	2