

Sebastian Junges

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7649831/sebastian-junges-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39
papers

716
citations

14
h-index

25
g-index

39
ext. papers

836
ext. citations

1.4
avg, IF

4.67
L-index

#	Paper	IF	Citations
39	Gradient-Descent for Randomized Controllers Under Partial Observability. <i>Lecture Notes in Computer Science</i> , 2022 , 127-150	0.9	2
38	Formal Analysis of AI-Based Autonomy: From Modeling to Runtime Assurance. <i>Lecture Notes in Computer Science</i> , 2021 , 311-330	0.9	2
37	Counterexample-guided inductive synthesis for probabilistic systems. <i>Formal Aspects of Computing</i> , 2021 , 33, 637-667	1.2	2
36	. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 1040-1054	5.9	4
35	Runtime Monitors for Markov Decision Processes. <i>Lecture Notes in Computer Science</i> , 2021 , 553-576	0.9	5
34	Enforcing Almost-Sure Reachability in POMDPs. <i>Lecture Notes in Computer Science</i> , 2021 , 602-625	0.9	8
33	Inductive Synthesis for Probabilistic Programs Reaches New Horizons. <i>Lecture Notes in Computer Science</i> , 2021 , 191-209	0.9	6
32	Finding Provably Optimal Markov Chains. <i>Lecture Notes in Computer Science</i> , 2021 , 173-190	0.9	5
31	Model Checking Finite-Horizon Markov Chains with Probabilistic Inference. <i>Lecture Notes in Computer Science</i> , 2021 , 577-601	0.9	4
30	PAYNT: A Tool for Inductive Synthesis of Probabilistic Programs. <i>Lecture Notes in Computer Science</i> , 2021 , 856-869	0.9	2
29	The complexity of reachability in parametric Markov decision processes. <i>Journal of Computer and System Sciences</i> , 2021 , 119, 183-210	1	4
28	Scenario-Based Verification of Uncertain MDPs. <i>Lecture Notes in Computer Science</i> , 2020 , 12078, 287-305	0.9	3
27	PrIC3: Property Directed Reachability for MDPs. <i>Lecture Notes in Computer Science</i> , 2020 , 512-538	0.9	6
26	Verification of Indefinite-Horizon POMDPs. <i>Lecture Notes in Computer Science</i> , 2020 , 288-304	0.9	10
25	Parametric Markov chains: PCTL complexity and fraction-free Gaussian elimination. <i>Information and Computation</i> , 2020 , 272, 104504	0.8	11
24	Multi-cost Bounded Tradeoff Analysis in MDP. <i>Journal of Automated Reasoning</i> , 2020 , 64, 1483-1522	1	4
23	Safety analysis for vehicle guidance systems with dynamic fault trees. <i>Reliability Engineering and System Safety</i> , 2019 , 186, 37-50	6.3	21

22	Shepherding Hordes of Markov Chains. <i>Lecture Notes in Computer Science</i> , 2019 , 172-190	0.9	13
21	Counterexample-Driven Synthesis for Probabilistic Program Sketches. <i>Lecture Notes in Computer Science</i> , 2019 , 101-120	0.9	11
20	Are Parametric Markov Chains Monotonic?. <i>Lecture Notes in Computer Science</i> , 2019 , 479-496	0.9	9
19	Fast Dynamic Fault Tree Analysis by Model Checking Techniques. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 370-379	11.9	51
18	One Net Fits All. <i>Lecture Notes in Computer Science</i> , 2018 , 272-293	0.9	5
17	Synthesis in pMDPs: A Tale of 1001 Parameters. <i>Lecture Notes in Computer Science</i> , 2018 , 160-176	0.9	14
16	Multi-cost Bounded Reachability in MDP. <i>Lecture Notes in Computer Science</i> , 2018 , 320-339	0.9	14
15	Sequential Convex Programming for the Efficient Verification of Parametric MDPs. <i>Lecture Notes in Computer Science</i> , 2017 , 133-150	0.9	19
14	Fault trees on a diet: automated reduction by graph rewriting. <i>Formal Aspects of Computing</i> , 2017 , 29, 651-703	1.2	8
13	JANI: Quantitative Model and Tool Interaction. <i>Lecture Notes in Computer Science</i> , 2017 , 151-168	0.9	48
12	2017 ,		10
11	Markov Automata with Multiple Objectives. <i>Lecture Notes in Computer Science</i> , 2017 , 140-159	0.9	14
10	A Storm is Coming: A Modern Probabilistic Model Checker. <i>Lecture Notes in Computer Science</i> , 2017 , 592-600	0.9	170
9	Model-Based Safety Analysis for Vehicle Guidance Systems. <i>Lecture Notes in Computer Science</i> , 2017 , 3-19	0.9	7
8	Parameter Synthesis for Markov Models: Faster Than Ever. <i>Lecture Notes in Computer Science</i> , 2016 , 50-67	0.9	48
7	Safety-Constrained Reinforcement Learning for MDPs. <i>Lecture Notes in Computer Science</i> , 2016 , 130-146	0.9	29
6	Uncovering Dynamic Fault Trees 2016 ,		22
5	SMT-RAT: An Open Source C++ Toolbox for Strategic and Parallel SMT Solving. <i>Lecture Notes in Computer Science</i> , 2015 , 360-368	0.9	28

4	PROPhESY: A PRObabilistic ParamETER SYnthesis Tool. <i>Lecture Notes in Computer Science</i> , 2015 , 214-231	0.9	64
3	Fault Trees on a Diet. <i>Lecture Notes in Computer Science</i> , 2015 , 3-18	0.9	6
2	Markov automata with multiple objectives. <i>Formal Methods in System Design</i> , 1	1.4	1
1	The probabilistic model checker Storm. <i>International Journal on Software Tools for Technology Transfer</i> , 1	1.3	26