Carlos E Budde

List of Publications by Year
in descending order

32	310	1039880 9	940416 16
papers	citations	h-index	g-index

34	34	34	138
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	JANI: Quantitative Model and Tool Interaction. Lecture Notes in Computer Science, 2017, , 151-168.	1.0	59
2	A Statistical Model Checker for Nondeterminism and Rare Events. Lecture Notes in Computer Science, 2018, , 340-358.	1.0	26
3	Enhanced diffusion through surface excursion: A master-equation approach to the narrow-escape-time problem. Physical Review E, 2011, 84, 021117.	0.8	21
4	Bulk-mediated surface diffusion: non-Markovian desorption dynamics. New Journal of Physics, 2005, 7, 16-16.	1.2	17
5	Diffusion-mediated reactions with a time-dependent absorption rate. Physical Review E, 2000, 61, 1110-1120.	0.8	16
6	An efficient statistical model checker for nondeterminism and rare events. International Journal on Software Tools for Technology Transfer, 2020, 22, 759-780.	1.7	16
7	Narrow-escape-time problem: The imperfect trapping case. Physical Review E, 2012, 86, 031105.	0.8	15
8	On Correctness, Precision, and Performance in Quantitative Verification. Lecture Notes in Computer Science, 2021, , 216-241.	1.0	14
9	Enhanced transport through desorption-mediated diffusion. Physical Review E, 2013, 87, 012115.	0.8	13
10	Compositional Construction of Importance Functions in Fully Automated Importance Splitting. , 2017, , .		12
11	Automated compositional importance splitting. Science of Computer Programming, 2019, 174, 90-108.	1.5	10
12	Better Automated Importance Splitting for Transient Rare Events. Lecture Notes in Computer Science, 2017, , 42-58.	1.0	9
13	Rare Event Simulation with Fully Automated Importance Splitting. Lecture Notes in Computer Science, 2015, , 275-290.	1.0	9
14	Efficient Algorithms for Quantitative Attack Tree Analysis. , 2021, , .		8
15	Rare Event Simulation for Non-Markovian Repairable Fault Trees. Lecture Notes in Computer Science, 2020, , 463-482.	1.0	8
16	Ffort: A Benchmark Suite for Fault Tree Analysis. , 2019, , .		8
17	Lifetime of a target in the presence of independent walkers. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 3399-3408.	1.2	7
18	Attack Trees vs. Fault Trees: Two Sides ofÂthe Same Coin from Different Currencies. Lecture Notes in Computer Science, 2021, , 457-467.	1.0	6

#	Article	IF	Citations
19	The Marriage Between Safety and Cybersecurity: Still Practicing. Lecture Notes in Computer Science, 2021, , 3-21.	1.0	5
20	Bulk-mediated surface diffusion: non-Markovian desorption and biased behaviour in an infinite system. Journal of Physics Condensed Matter, 2005, 17, S4175-S4187.	0.7	4
21	Bulk-mediated surface diffusion: return probability in an infinite system. Journal of Physics Condensed Matter, 2007, 19, 065127.	0.7	4
22	FIG: The Finite Improbability Generator. Lecture Notes in Computer Science, 2020, , 483-491.	1.0	4
23	Automated Rare Event Simulation for Fault Tree Analysis via Minimal Cut Sets. Lecture Notes in Computer Science, 2020, , 259-277.	1.0	3
24	The Dynamic Fault Tree Rare Event Simulator. Lecture Notes in Computer Science, 2020, , 233-238.	1.0	3
25	A Maturity Assessment Model forÂCyber Security Education inÂEurope. IFIP Advances in Information and Communication Technology, 2022, , 60-74.	0.5	3
26	Replicating $$extsc {Restart}$$ with Prolonged Retrials: An Experimental Report. Lecture Notes in Computer Science, 2021, , 373-380.	1.0	2
27	A compositional semantics for Repairable Fault Trees with general distributions. , 0, , .		2
28	A Theory for the Semantics of Stochastic and Non-deterministic Continuous Systems. Lecture Notes in Computer Science, 2014, , 67-86.	1.0	1
29	FIG. Performance Evaluation Review, 2022, 49, 59-64.	0.4	1
30	The Road from Stochastic Automata to the Simulation of Rare Events. Lecture Notes in Computer Science, 2017, , 276-294.	1.0	0
31	Modelling Smart Buildings Using Fault Maintenance Trees. Lecture Notes in Computer Science, 2018, , 110-125.	1.0	0
32	Correction to: The Dynamic Fault Tree Rare Event Simulator. Lecture Notes in Computer Science, 2020, , C1-C1.	1.0	0