

Luca Laurenti

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

221
citations

1478505

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1720034

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g-index

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14
docs citations

14
times ranked

168
citing authors

#	ARTICLE	IF	CITATIONS
1	Stochastic analysis of Chemical Reaction Networks using Linear Noise Approximation. <i>BioSystems</i> , 2016, 149, 26-33.	2.0	44
2	PID Control of Biochemical Reaction Networks. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 1023-1030.	5.7	30
3	Efficiency through uncertainty. , 2019, , .		24
4	Molecular Filters for Noise Reduction. <i>Biophysical Journal</i> , 2018, 114, 3000-3011.	0.5	22
5	Uncertainty Quantification with Statistical Guarantees in End-to-End Autonomous Driving Control. , 2020, , .		22
6	Syntax-Guided Optimal Synthesis for Chemical Reaction Networks. <i>Lecture Notes in Computer Science</i> , 2017, , 375-395.	1.3	16
7	Formal and Efficient Synthesis for Continuous-Time Linear Stochastic Hybrid Processes. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 17-32.	5.7	16
8	A Stochastic Hybrid Approximation for Chemical Kinetics Based on the Linear Noise Approximation. <i>Lecture Notes in Computer Science</i> , 2016, , 147-167.	1.3	14
9	Strategy synthesis for partially-known switched stochastic systems. , 2021, , .		10
10	Reachability Computation for Switching Diffusions. , 2017, , .		9
11	Formal Control Synthesis for Stochastic Neural Network Dynamic Models. , 2022, 6, 2858-2863.		6
12	PID Control of Biochemical Reaction Networks. , 2019, , .		4
13	Abstracting the Sampling Behaviour of Stochastic Linear Periodic Event-Triggered Control Systems. , 2021, , .		3
14	Coupled membrane transporters reduce noise. <i>Physical Review E</i> , 2020, 101, 012414.	2.1	1