

# Luca Laurenti

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7750885/publications.pdf>

Version: 2024-02-01

14  
papers

221  
citations

1478505

6  
h-index

1720034

7  
g-index

14  
all docs

14  
docs citations

14  
times ranked

168  
citing authors

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