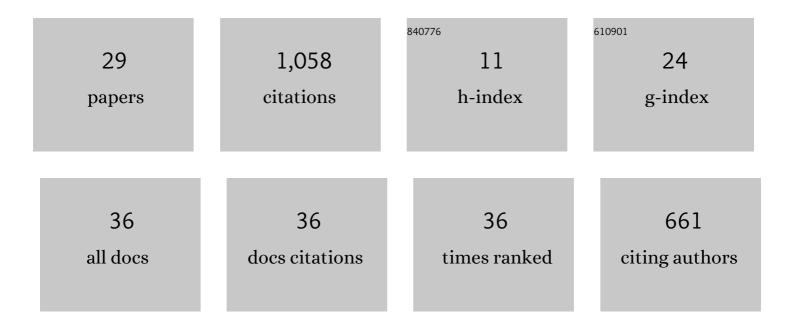
Ankit Gupta

List of Publications by Year in descending order

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ΔΝΙΚΙΤ ΟΠΟΤΛ

#	Article	IF	CITATIONS
1	The Occurrence Birth–Death Process for Combined-Evidence Analysis in Macroevolution and Epidemiology. Systematic Biology, 2022, 71, 1440-1452.	5.6	10
2	Stochastic filtering for multiscale stochastic reaction networks based on hybrid approximations. Journal of Computational Physics, 2022, 467, 111441.	3.8	6
3	The probability distribution of the ancestral population size conditioned on the reconstructed phylogenetic tree with occurrence data. Journal of Theoretical Biology, 2021, 509, 110400.	1.7	12
4	DeepCME: A deep learning framework for computing solution statistics of the chemical master equation. PLoS Computational Biology, 2021, 17, e1009623.	3.2	17
5	The probability distribution of the reconstructed phylogenetic tree with occurrence data. Journal of Theoretical Biology, 2020, 488, 110115.	1.7	13
6	A hidden integral structure endows absolute concentration robust systems with resilience to dynamical concentration disturbances. Journal of the Royal Society Interface, 2020, 17, 20200437.	3.4	15
7	Quantification of loading effects in interconnections of stochastic reaction networks. , 2019, , .		0
8	A universal biomolecular integral feedback controller for robust perfect adaptation. Nature, 2019, 570, 533-537.	27.8	249
9	A finite state projection method for steady-state sensitivity analysis of stochastic reaction networks. Journal of Chemical Physics, 2019, 150, 134101.	3.0	4
10	A linear constrained integral feedback for a class of reaction systems with absolute concentration robustness. , 2019, , .		0
11	An antithetic integral rein controller for bio-molecular networks. , 2019, , .		17
12	Sensitivity Analysis for Multiscale Stochastic Reaction Networks Using Hybrid Approximations. Bulletin of Mathematical Biology, 2019, 81, 3121-3158.	1.9	7
13	Bayesian Parameter Estimation for Stochastic Reaction Networks from Steady-State Observations. Lecture Notes in Computer Science, 2019, , 342-346.	1.3	2
14	Estimation of Parameter Sensitivities for Stochastic Reaction Networks Using Tau-Leap Simulations. SIAM Journal on Numerical Analysis, 2018, 56, 1134-1167.	2.3	7
15	Computational Identification of Irreducible State-Spaces for Stochastic Reaction Networks. SIAM Journal on Applied Dynamical Systems, 2018, 17, 1213-1266.	1.6	17
16	Variance reduction in stochastic gene expression under integral feedback control. , 2018, , .		0
17	Antithetic proportional-integral feedback for reduced variance and improved control performance of stochastic reaction networks. Journal of the Royal Society Interface, 2018, 15, 20180079.	3.4	71
18	A finite state projection algorithm for the stationary solution of the chemical master equation. Journal of Chemical Physics, 2017, 147, 154101.	3.0	49

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#	Article	lF	CITATIONS
19	Dynamic disorder in simple enzymatic reactions induces stochastic amplification of substrate. Journal of the Royal Society Interface, 2017, 14, 20170311.	3.4	12
20	Noise Induces the Population-Level Entrainment of Incoherent, Uncoupled Intracellular Oscillators. Cell Systems, 2016, 3, 521-531.e13.	6.2	27
21	Antithetic Integral Feedback Ensures Robust Perfect Adaptation in Noisy Biomolecular Networks. Cell Systems, 2016, 2, 15-26.	6.2	320
22	Adaptive hybrid simulations for multiscale stochastic reaction networks. Journal of Chemical Physics, 2015, 142, 034118.	3.0	43
23	A Scalable Computational Framework for Establishing Long-Term Behavior of Stochastic Reaction Networks. PLoS Computational Biology, 2014, 10, e1003669.	3.2	77
24	An efficient and unbiased method for sensitivity analysis of stochastic reaction networks. Journal of the Royal Society Interface, 2014, 11, 20140979.	3.4	19
25	Sensitivity analysis for stochastic chemical reaction networks with multiple time-scales. Electronic Journal of Probability, 2014, 19, .	1.0	16
26	Determining the long-term behavior of cell populations: A new procedure for detecting ergodicity in large stochastic reaction networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 1711-1716.	0.4	8
27	Unbiased Estimation of Parameter Sensitivities for Stochastic Chemical Reaction Networks. SIAM Journal of Scientific Computing, 2013, 35, A2598-A2620.	2.8	20
28	Stochastic model for cell polarity. Annals of Applied Probability, 2012, 22, .	1.3	6
29	The Fleming-Viot limit of an interacting spatial population with fast density regulation. Electronic	1.0	0