Hye-Won Kang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5913197/publications.pdf

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14	349	933447 10	1058476 14
papers	citations	h-index	g-index

15	15	15	340
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Separation of time-scales and model reduction for stochastic reaction networks. Annals of Applied Probability, 2013, 23, .	1.3	112
2	Central limit theorems and diffusion approximations for multiscale Markov chain models. Annals of Applied Probability, 2014, 24, .	1.3	45
3	A Mathematical Model for MicroRNA in Lung Cancer. PLoS ONE, 2013, 8, e53663.	2.5	41
4	Quasi-Steady-State Approximations Derived from the Stochastic Model of Enzyme Kinetics. Bulletin of Mathematical Biology, 2019, 81, 1303-1336.	1.9	24
5	A new method for choosing the computational cell in stochastic reactionâ€“diffusion systems. Journal of Mathematical Biology, 2012, 65, 1017-1099.	1.9	23
6	A Mathematical Model for Enzyme Clustering in Glucose Metabolism. Scientific Reports, 2018, 8, 2696.	3.3	17
7	Reduction for Stochastic Biochemical Reaction Networks with Multiscale Conservations. Multiscale Modeling and Simulation, 2017, 15, 1376-1403.	1.6	16
8	Stochastic Analysis of Reactionâ€“Diffusion Processes. Bulletin of Mathematical Biology, 2014, 76, 854-894.	1.9	15
9	The effect of the signalling scheme on the robustness of pattern formation in development. Interface Focus, 2012, 2, 465-486.	3.0	14
10	A multiscale approximation in a heat shock response model of E. coli. BMC Systems Biology, 2012, 6, 143.	3.0	12
11	Robustness and period sensitivity analysis of minimal models for biochemical oscillators. Scientific Reports, 2015, 5, 13161.	3.3	11
12	Comparison of Deterministic and Stochastic Regime in a Model for Cdc42 Oscillations in Fission Yeast. Bulletin of Mathematical Biology, 2019, 81, 1268-1302.	1.9	8
13	Multiscale Stochastic Reactionâ€“Diffusion Algorithms Combining Markov Chain Models with Stochastic Partial Differential Equations. Bulletin of Mathematical Biology, 2019, 81, 3185-3213.	1.9	7
14	Incorporating age and delay into models for biophysical systems. Physical Biology, 2021, 18, 015002.	1.8	4