

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
papers

349
citations

933447

10
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

340
citing authors

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