

Adaoha E C Ihekweba

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,553
citations

1163117

8
h-index

996975

15
g-index

18
all docs

18
docs citations

18
times ranked

2255
citing authors

#	ARTICLE	IF	CITATIONS
1	Oscillations in NF- κ B Signaling Control the Dynamics of Gene Expression. <i>Science</i> , 2004, 306, 704-708.	12.6	1,109
2	Reactive astrocytes and Wnt/ β -catenin signaling link nigrostriatal injury to repair in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine model of Parkinson's disease. <i>Neurobiology of Disease</i> , 2011, 41, 508-527.	4.4	177
3	Sensitivity analysis of parameters controlling oscillatory signalling in the NF- κ B pathway: the roles of IKK and I κ B α . <i>IET Systems Biology</i> , 2004, 1, 93-103.	2.0	121
4	Synergistic control of oscillations in the NF-B signalling pathway. <i>IET Systems Biology</i> , 2005, 152, 153.	2.0	46
5	Bridging the gap between <i>in silico</i> and cell-based analysis of the nuclear factor- κ B signaling pathway by <i>in vitro</i> studies of IKK2. <i>FEBS Journal</i> , 2007, 274, 1678-1690.	4.7	20
6	Calibration of dynamic models of biological systems with KInfer. <i>European Biophysics Journal</i> , 2010, 39, 1019-1039.	2.2	20
7	An Integrative Approach to Computational Modelling of the Gene Regulatory Network Controlling <i>Clostridium botulinum</i> Type A1 Toxin Production. <i>PLoS Computational Biology</i> , 2016, 12, e1005205.	3.2	9
8	The pattern of growth observed for <i>Clostridium botulinum</i> type A1 strain ATCC 19397 is influenced by nutritional status and quorum sensing: a modelling perspective. <i>Pathogens and Disease</i> , 2015, 73, ftv084.	2.0	8
9	Stochastic simulation of the spatio-temporal dynamics of reaction-diffusion systems: the case for the bicoid gradient. <i>Journal of Integrative Bioinformatics</i> , 2010, 7, .	1.5	7
10	Computational modelling and analysis of the molecular network regulating sporulation initiation in <i>Bacillus subtilis</i> . <i>BMC Systems Biology</i> , 2014, 8, 119.	3.0	7
11	Time Series Analysis of the <i>Bacillus subtilis</i> Sporulation Network Reveals Low Dimensional Chaotic Dynamics. <i>Frontiers in Microbiology</i> , 2016, 7, 1760.	3.5	6
12	Elucidation of functional consequences of signalling pathway interactions. <i>BMC Bioinformatics</i> , 2009, 10, 370.	2.6	5
13	Communicating oscillatory networks: frequency domain analysis. <i>BMC Systems Biology</i> , 2011, 5, 203.	3.0	5
14	New Elements To Consider When Modeling the Hazards Associated with Botulinum Neurotoxin in Food. <i>Journal of Bacteriology</i> , 2016, 198, 204-211.	2.2	4
15	Stochastic simulation of the spatio-temporal dynamics of reaction-diffusion systems: the case for the bicoid gradient. <i>Journal of Integrative Bioinformatics</i> , 2010, 7, 150.	1.5	4
16	Correlation-Based Network Inference and Modelling in Systems Biology: The NF-kappa B Signalling Network Case Study. , 2010, , .		3
17	Redi: A Simulator of Stochastic Biochemical Reaction-Diffusion Systems. , 2010, , .		2
18	Network Inference From Time-Course Data. , 2016, , 21-45.		0