

John Wagner

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,203
citations

567281

15
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

1853
citing authors

#	ARTICLE	IF	CITATIONS
1	A plausible model for the digital response of p53 to DNA damage. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14266-14271.	7.1	319
2	<scp>SBML</scp> Level 3: an extensible format for the exchange and reuse of biological models. Molecular Systems Biology, 2020, 16, e9110.	7.2	178
3	A Single Nucleotide Polymorphism in the MDM2 Gene Disrupts the Oscillation of p53 and MDM2 Levels in Cells. Cancer Research, 2007, 67, 2757-2765.	0.9	104
4	Unique Aspects of the Structure and Dynamics of Elementary Ca^{2+} Cellulose Microfibrils Revealed by Computational Simulations. Plant Physiology, 2015, 168, 3-17.	4.8	77
5	Simulation of the Fertilization Ca^{2+} Wave in <i>Xenopus laevis</i> Eggs. Biophysical Journal, 1998, 75, 2088-2097.	0.5	74
6	A wave of IP3 production accompanies the fertilization Ca^{2+} wave in the egg of the frog, <i>Xenopus laevis</i> : theoretical and experimental support. Cell Calcium, 2004, 35, 433-447.	2.4	71
7	Gaining insight into cell wall cellulose microfibril organisation by simulating microfibril adsorption. Cellulose, 2015, 22, 3501-3520.	4.9	48
8	Ordered cyclic motifs contribute to dynamic stability in biological and engineered networks. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19235-19240.	7.1	46
9	Characterization of the Lipid-Binding Site of Equinatoxin II by NMR and Molecular Dynamics Simulation. Biophysical Journal, 2015, 108, 1987-1996.	0.5	42
10	Analysis of nonlinear dynamics on arbitrary geometries with the Virtual Cell. Chaos, 2001, 11, 115.	2.5	41
11	Dimerization of Bacterial Diaminopimelate Epimerase Is Essential for Catalysis. Journal of Biological Chemistry, 2013, 288, 9238-9248.	3.4	41
12	Crystal, Solution and In silico Structural Studies of Dihydrodipicolinate Synthase from the Common Grapevine. PLoS ONE, 2012, 7, e38318.	2.5	32
13	Structural, kinetic and computational investigation of <i>Vitis vinifera</i> DHDPS reveals new insight into the mechanism of lysine-mediated allosteric inhibition. Plant Molecular Biology, 2013, 81, 431-446.	3.9	30
14	Quaternary Structure Analyses of an Essential Oligomeric Enzyme. Methods in Enzymology, 2015, 562, 205-223.	1.0	24
15	Enzymology of Bacterial Lysine Biosynthesis. , 0, , .		22
16	Stability and Time-Delay Modeling of Negative Feedback Loops. Proceedings of the IEEE, 2008, 96, 1398-1410.	21.3	20
17	Mathematical model of TGF- β signalling: feedback coupling is consistent with signal switching. BMC Systems Biology, 2017, 11, 48.	3.0	18
18	Dynamic Modelling Reveals "Hotspots" on the Pathway to Enzyme-Substrate Complex Formation. PLoS Computational Biology, 2016, 12, e1004811.	3.2	9

#	ARTICLE	IF	CITATIONS
19	TGF- β 2 and IL-6 family signalling crosstalk: an integrated model. Growth Factors, 2017, 35, 100-124.	1.7	7