John Wagner

List of Publications by Year in descending order

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	<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
2	TGF-Î² and IL-6 family signalling crosstalk: an integrated model. Growth Factors, 2017, 35, 100-124.	1.7	7
3	Mathematical model of TGF-Î²signalling: feedback coupling is consistent with signal switching. BMC Systems Biology, 2017, 11, 48.	3.0	18
4	Dynamic Modelling Reveals â€˜Hotspotsâ€™ on the Pathway to Enzyme-Substrate Complex Formation. PLoS Computational Biology, 2016, 12, e1004811.	3.2	9
5	Quaternary Structure Analyses of an Essential Oligomeric Enzyme. Methods in Enzymology, 2015, 562, 205-223.	1.0	24
6	Gaining insight into cell wall cellulose macrofibril organisation by simulating microfibril adsorption. Cellulose, 2015, 22, 3501-3520.	4.9	48
7	Characterization of the Lipid-Binding Site of Equinatoxin II by NMR and Molecular Dynamics Simulation. Biophysical Journal, 2015, 108, 1987-1996.	0.5	42
8	Unique Aspects of the Structure and Dynamics of Elementary IÎ² Cellulose Microfibrils Revealed by Computational Simulations Â. Plant Physiology, 2015, 168, 3-17.	4.8	77
9	Structural, kinetic and computational investigation of Vitis vinifera DHDPS reveals new insight into the mechanism of lysine-mediated allosteric inhibition. Plant Molecular Biology, 2013, 81, 431-446.	3.9	30
10	Dimerization of Bacterial Diaminopimelate Epimerase Is Essential for Catalysis. Journal of Biological Chemistry, 2013, 288, 9238-9248.	3.4	41
11	Crystal, Solution and In silico Structural Studies of Dihydrodipicolinate Synthase from the Common Grapevine. PLoS ONE, 2012, 7, e38318.	2.5	32
12	Stability and Time-Delay Modeling of Negative Feedback Loops. Proceedings of the IEEE, 2008, 96, 1398-1410.	21.3	20
13	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
14	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
15	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
16	A wave of IP3 production accompanies the fertilization Ca2+ wave in the egg of the frog, Xenopus laevis: theoretical and experimental support. Cell Calcium, 2004, 35, 433-447.	2.4	71
17	Analysis of nonlinear dynamics on arbitrary geometries with the Virtual Cell. Chaos, 2001, 11, 115.	2.5	41
18	Simulation of the Fertilization Ca2+ Wave in Xenopus laevis Eggs. Biophysical Journal, 1998, 75, 2088-2097.	0.5	74

#	Article	IF	Citations
19	Enzymology of Bacterial Lysine Biosynthesis. , 0, , .		22