Jürgen Pahle

List of Publications by Year
in descending order

19 papers	2,903 citations	933447 10 h-index	940533 16 g-index
19 all docs	19 docs citations	19 times ranked	4555 citing authors

#	Article	IF	Citations
1	COPASI--a COmplex PAthway SImulator. Bioinformatics, 2006, 22, 3067-3074.	4.1	2,265
2	Biochemical simulations: stochastic, approximate stochastic and hybrid approaches. Briefings in Bioinformatics, 2008, 10, 53-64.	6.5	131
3	An *in vivo* control map for the eukaryotic mRNA translation machinery. Molecular Systems Biology, 2013, 9, 635.	7.2	89
4	Transition from Stochastic to Deterministic Behavior in Calcium Oscillations. Biophysical Journal, 2005, 89, 1603-1611.	0.5	80
5	Zinc depletion regulates the processing and secretion of IL-1β. Cell Death and Disease, 2014, 5, e1040-e1040.	6.3	78
6	COPASI and its applications in biotechnology. Journal of Biotechnology, 2017, 261, 215-220.	3.8	78
7	Efficient discovery of anti-inflammatory small-molecule combinations using evolutionary computing. Nature Chemical Biology, 2011, 7, 902-908.	8.0	61
8	Information transfer in signaling pathways: A study using coupled simulated and experimental data. BMC Bioinformatics, 2008, 9, 139.	2.6	37
9	Biochemical fluctuations, optimisation and the linear noise approximation. BMC Systems Biology, 2012, 6, 86.	3.0	25
10	Mechanistic Modeling and Multiscale Applications for Precision Medicine: Theory and Practice. Network and Systems Medicine, 2020, 3, 36-56.	2.5	11
11	Simulation of Biochemical Networks using Copasi - A Complex Pathway Simulator. , 2006, , .		9
12	Exploiting intrinsic fluctuations to identify model parameters. IET Systems Biology, 2015, 9, 64-73.	1.5	9
13	Multi-compartment linear noise approximation. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P11010.	2.3	8
14	CoRC: the COPASI R Connector. Bioinformatics, 2021, 37, 2778-2779.	4.1	6
15	Approaches to Complexity Reduction in a Systems Biology Research Environment (SYCAMORE). , 2006, , .		5
16	PKC‑mediated inhibitory feedback of the cholecystokinin 1 receptor controls the shape of oscillatory Ca^{2+} signals. FEBS Journal, 2015, 282, 2187-2201.	4.7	5
17	Requirements for band-pass activation of Ca2+-sensitive proteins such as NFAT. Biophysical Chemistry, 2019, 245, 41-52.	2.8	3
18	Data Management in Computational Systems Biology: Exploring Standards, Tools, Databases, and Packaging Best Practices. Methods in Molecular Biology, 2019, 2049, 285-314.	0.9	3

#	Article	IF	Citations
19	Dynamic publication media with the COPASI R Connector (CoRC). Mathematical Biosciences, 2022, , 108822.	1.9	0