

# JÃ¼rgen Pahle

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6050548/publications.pdf>

Version: 2024-02-01

19  
papers

2,903  
citations

933264

10  
h-index

940416

16  
g-index

19  
all docs

19  
docs citations

19  
times ranked

4555  
citing authors

#	ARTICLE	IF	CITATIONS
1	COPASI—a COMplex PATHway Simulator. <i>Bioinformatics</i> , 2006, 22, 3067-3074.	1.8	2,265
2	Biochemical simulations: stochastic, approximate stochastic and hybrid approaches. <i>Briefings in Bioinformatics</i> , 2008, 10, 53-64.	3.2	131
3	An <i>in vivo</i> control map for the eukaryotic mRNA translation machinery. <i>Molecular Systems Biology</i> , 2013, 9, 635.	3.2	89
4	Transition from Stochastic to Deterministic Behavior in Calcium Oscillations. <i>Biophysical Journal</i> , 2005, 89, 1603-1611.	0.2	80
5	Zinc depletion regulates the processing and secretion of IL-1 $\beta$ . <i>Cell Death and Disease</i> , 2014, 5, e1040-e1040.	2.7	78
6	COPASI and its applications in biotechnology. <i>Journal of Biotechnology</i> , 2017, 261, 215-220.	1.9	78
7	Efficient discovery of anti-inflammatory small-molecule combinations using evolutionary computing. <i>Nature Chemical Biology</i> , 2011, 7, 902-908.	3.9	61
8	Information transfer in signaling pathways: A study using coupled simulated and experimental data. <i>BMC Bioinformatics</i> , 2008, 9, 139.	1.2	37
9	Biochemical fluctuations, optimisation and the linear noise approximation. <i>BMC Systems Biology</i> , 2012, 6, 86.	3.0	25
10	Mechanistic Modeling and Multiscale Applications for Precision Medicine: Theory and Practice. <i>Network and Systems Medicine</i> , 2020, 3, 36-56.	2.7	11
11	Simulation of Biochemical Networks using Copasi - A Complex Pathway Simulator. , 2006, , .		9
12	Exploiting intrinsic fluctuations to identify model parameters. <i>IET Systems Biology</i> , 2015, 9, 64-73.	0.8	9
13	Multi-compartment linear noise approximation. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012, 2012, P11010.	0.9	8
14	CoRC: the COPASI R Connector. <i>Bioinformatics</i> , 2021, 37, 2778-2779.	1.8	6
15	Approaches to Complexity Reduction in a Systems Biology Research Environment (SYCAMORE). , 2006, , .		5
16	PKC $\epsilon$ -mediated inhibitory feedback of the cholecystokinin 1 receptor controls the shape of oscillatory Ca <sup>2+</sup> signals. <i>FEBS Journal</i> , 2015, 282, 2187-2201.	2.2	5
17	Requirements for band-pass activation of Ca <sup>2+</sup> -sensitive proteins such as NFAT. <i>Biophysical Chemistry</i> , 2019, 245, 41-52.	1.5	3
18	Data Management in Computational Systems Biology: Exploring Standards, Tools, Databases, and Packaging Best Practices. <i>Methods in Molecular Biology</i> , 2019, 2049, 285-314.	0.4	3

#	ARTICLE	IF	CITATIONS
19	Dynamic publication media with the COPASI R Connector (CoRC). Mathematical Biosciences, 2022, , 108822.	0.9	0