

James C Schaff

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

1,454
citations

623734

14
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

2193
citing authors

#	ARTICLE	IF	CITATIONS
1	BioSimulators: a central registry of simulation engines and services for recommending specific tools. <i>Nucleic Acids Research</i> , 2022, 50, W108-W114.	14.5	11
2	<scp>SBML</scp> Level 3: an extensible format for the exchange and reuse of biological models. <i>Molecular Systems Biology</i> , 2020, 16, e9110.	7.2	178
3	The Systems Biology Markup Language (SBML): Language Specification for Level 3 Version 2 Core Release 2. <i>Journal of Integrative Bioinformatics</i> , 2019, 16, .	1.5	78
4	Compartmental and Spatial Rule-Based Modeling with Virtual Cell. <i>Biophysical Journal</i> , 2017, 113, 1365-1372.	0.5	37
5	Rule-based modeling with Virtual Cell. <i>Bioinformatics</i> , 2016, 32, 2880-2882.	4.1	27
6	Numerical Approach to Spatial Deterministic-Stochastic Models Arising in Cell Biology. <i>PLoS Computational Biology</i> , 2016, 12, e1005236.	3.2	26
7	WormGUIDES: an interactive single cell developmental atlas and tool for collaborative multidimensional data exploration. <i>BMC Bioinformatics</i> , 2015, 16, 189.	2.6	40
8	The Systems Biology Markup Language (SBML): Language Specification for Level 3 Version 1 Core. <i>Journal of Integrative Bioinformatics</i> , 2015, 12, 266.	1.5	102
9	Virtual Cell: computational tools for modeling in cell biology. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2012, 4, 129-140.	6.6	70
10	Diffusion on a curved surface coupled to diffusion in the volume: Application to cell biology. <i>Journal of Computational Physics</i> , 2007, 226, 1271-1290.	3.8	79
11	Quantitative cell biology with the Virtual Cell. <i>Trends in Cell Biology</i> , 2003, 13, 570-576.	7.9	261
12	Computational Cell Biology: Spatiotemporal Simulation of Cellular Events. <i>Annual Review of Biophysics and Biomolecular Structure</i> , 2002, 31, 423-441.	18.3	118
13	The Virtual Cell: a software environment for computational cell biology. <i>Trends in Biotechnology</i> , 2001, 19, 401-406.	9.3	346
14	Analysis of nonlinear dynamics on arbitrary geometries with the Virtual Cell. <i>Chaos</i> , 2001, 11, 115.	2.5	41
15	Numerical Approach to Fast Reactions in Reaction-Diffusion Systems: Application to Buffered Calcium Waves in Bistable Models. <i>Journal of Computational Physics</i> , 2000, 162, 186-218.	3.8	40