

Susanne Kunkel

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1910053/publications.pdf>

Version: 2024-02-01

18
papers

1,264
citations

840776

11
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

2163
citing authors

#	ARTICLE	IF	CITATIONS
1	Meta-analysis of gene expression profiles in breast cancer: toward a unified understanding of breast cancer subtyping and prognosis signatures. <i>Breast Cancer Research</i> , 2008, 10, R65.	5.0	765
2	Extremely Scalable Spiking Neuronal Network Simulation Code: From Laptops to Exascale Computers. <i>Frontiers in Neuroinformatics</i> , 2018, 12, 2.	2.5	92
3	Spiking network simulation code for petascale computers. <i>Frontiers in Neuroinformatics</i> , 2014, 8, 78.	2.5	87
4	Supercomputers Ready for Use as Discovery Machines for Neuroscience. <i>Frontiers in Neuroinformatics</i> , 2012, 6, 26.	2.5	50
5	A General and Efficient Method for Incorporating Precise Spike Times in Globally Time-Driven Simulations. <i>Frontiers in Neuroinformatics</i> , 2010, 4, 113.	2.5	49
6	Meeting the Memory Challenges of Brain-Scale Network Simulation. <i>Frontiers in Neuroinformatics</i> , 2011, 5, 35.	2.5	42
7	Histone Depletion Facilitates Chromatin Loops on the Kilobasepair Scale. <i>Biophysical Journal</i> , 2010, 99, 2995-3001.	0.5	39
8	Limits to the development of feed-forward structures in large recurrent neuronal networks. <i>Frontiers in Computational Neuroscience</i> , 2010, 4, 160.	2.1	35
9	Reproducing Polychronization: A Guide to Maximizing the Reproducibility of Spiking Network Models. <i>Frontiers in Neuroinformatics</i> , 2018, 12, 46.	2.5	34
10	A unified framework for spiking and gap-junction interactions in distributed neuronal network simulations. <i>Frontiers in Neuroinformatics</i> , 2015, 9, 22.	2.5	20
11	The NEST Dry-Run Mode: Efficient Dynamic Analysis of Neuronal Network Simulation Code. <i>Frontiers in Neuroinformatics</i> , 2017, 11, 40.	2.5	15
12	Efficient Communication in Distributed Simulations of Spiking Neuronal Networks With Gap Junctions. <i>Frontiers in Neuroinformatics</i> , 2020, 14, 12.	2.5	7
13	Routing Brain Traffic Through the Von Neumann Bottleneck: Parallel Sorting and Refactoring. <i>Frontiers in Neuroinformatics</i> , 2021, 15, 785068.	2.5	7
14	A Modular Workflow for Performance Benchmarking of Neuronal Network Simulations. <i>Frontiers in Neuroinformatics</i> , 2022, 16, .	2.5	6
15	From laptops to supercomputers: a single highly scalable code base for spiking neuronal network simulations. <i>BMC Neuroscience</i> , 2013, 14, .	1.9	2
16	Fail-safe detection of threshold crossings of linear integrate-and-fire neuron models in time-driven simulations. <i>BMC Neuroscience</i> , 2011, 12, .	1.9	1
17	Including Gap Junctions into Distributed Neuronal Network Simulations. <i>Lecture Notes in Computer Science</i> , 2016, , 43-57.	1.3	1
18	Modular Supercomputing for Neuroscience. <i>Lecture Notes in Computer Science</i> , 2021, , 63-80.	1.3	0