

# 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	A Modular Workflow for Performance Benchmarking of Neuronal Network Simulations. <i>Frontiers in Neuroinformatics</i> , 2022, 16, .	2.5	6
2	Modular Supercomputing for Neuroscience. <i>Lecture Notes in Computer Science</i> , 2021, , 63-80.	1.3	0
3	Routing Brain Traffic Through the Von Neumann Bottleneck: Parallel Sorting and Refactoring. <i>Frontiers in Neuroinformatics</i> , 2021, 15, 785068.	2.5	7
4	Efficient Communication in Distributed Simulations of Spiking Neuronal Networks With Gap Junctions. <i>Frontiers in Neuroinformatics</i> , 2020, 14, 12.	2.5	7
5	Reproducing Polychronization: A Guide to Maximizing the Reproducibility of Spiking Network Models. <i>Frontiers in Neuroinformatics</i> , 2018, 12, 46.	2.5	34
6	Extremely Scalable Spiking Neuronal Network Simulation Code: From Laptops to Exascale Computers. <i>Frontiers in Neuroinformatics</i> , 2018, 12, 2.	2.5	92
7	The NEST Dry-Run Mode: Efficient Dynamic Analysis of Neuronal Network Simulation Code. <i>Frontiers in Neuroinformatics</i> , 2017, 11, 40.	2.5	15
8	Including Gap Junctions into Distributed Neuronal Network Simulations. <i>Lecture Notes in Computer Science</i> , 2016, , 43-57.	1.3	1
9	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
10	Spiking network simulation code for petascale computers. <i>Frontiers in Neuroinformatics</i> , 2014, 8, 78.	2.5	87
11	From laptops to supercomputers: a single highly scalable code base for spiking neuronal network simulations. <i>BMC Neuroscience</i> , 2013, 14, .	1.9	2
12	Supercomputers Ready for Use as Discovery Machines for Neuroscience. <i>Frontiers in Neuroinformatics</i> , 2012, 6, 26.	2.5	50
13	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
14	Meeting the Memory Challenges of Brain-Scale Network Simulation. <i>Frontiers in Neuroinformatics</i> , 2011, 5, 35.	2.5	42
15	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
16	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
17	Histone Depletion Facilitates Chromatin Loops on the Kilobasepair Scale. <i>Biophysical Journal</i> , 2010, 99, 2995-3001.	0.5	39
18	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