Markus Diesmann

List of Publications by Year
in descending order

177 papers	10,030 citations	57758 44 h-index	40979 93 g-index
194 all docs	194 docs citations	194 times ranked	5713 citing authors

#	Article	IF	Citations
1	Spike Synchronization and Rate Modulation Differentially Involved in Motor Cortical Function. Science, 1997, 278, 1950-1953.	12.6	910
2	Stable propagation of synchronous spiking in cortical neural networks. Nature, 1999, 402, 529-533.	27.8	889
3	NEST (NEural Simulation Tool). Scholarpedia Journal, 2007, 2, 1430.	0.3	831
4	Simulation of networks of spiking neurons: A review of tools and strategies. Journal of Computational Neuroscience, 2007, 23, 349-398.	1.0	639
5	Phenomenological models of synaptic plasticity based on spike timing. Biological Cybernetics, 2008, 98, 459-478.	1.3	455
6	Modeling the Spatial Reach of the LFP. Neuron, 2011, 72, 859-872.	8.1	393
7	The Cell-Type Specific Cortical Microcircuit: Relating Structure and Activity in a Full-Scale Spiking Network Model. Cerebral Cortex, 2014, 24, 785-806.	2.9	338
8	Spike-Timing-Dependent Plasticity in Balanced Random Networks. Neural Computation, 2007, 19, 1437-1467.	2.2	284
9	Unitary Events in Multiple Single-Neuron Spiking Activity: I. Detection and Significance. Neural Computation, 2002, 14, 43-80.	2.2	200
10	PyNEST: A convenient interface to the NEST simulator. Frontiers in Neuroinformatics, 2008, 2, 12.	2.5	170
11	Advancing the Boundaries of High-Connectivity Network Simulation with Distributed Computing. Neural Computation, 2005, 17, 1776-1801.	2.2	161
12	Decorrelation of Neural-Network Activity by Inhibitory Feedback. PLoS Computational Biology, 2012, 8, e1002596.	3.2	159
13	Activity dynamics and propagation of synchronous spiking in locally connected random networks. Biological Cybernetics, 2003, 88, 395-408.	1.3	149
14	Unitary Events in Multiple Single-Neuron Spiking Activity: II. Nonstationary Data. Neural Computation, 2002, 14, 81-119.	2.2	146
15	CoCoMac 2.0 and the future of tract-tracing databases. Frontiers in Neuroinformatics, 2012, 6, 30.	2.5	140
16	Exact digital simulation of time-invariant linear systems with applications to neuronal modeling. Biological Cybernetics, 1999, 81, 381-402.	1.3	131
17	The Local Field Potential Reflects Surplus Spike Synchrony. Cerebral Cortex, 2011, 21, 2681-2695.	2.9	130
18	The Scientific Case for Brain Simulations. Neuron, 2019, 102, 735-744.	8.1	123

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19	MEA-Tools: an open source toolbox for the analysis of multi-electrode data with matlab. Journal of Neuroscience Methods, 2002, 117, 33-42.	2.5	120
20	Propagation of synchronous spiking activity in feedforward neural networks. Journal of Physiology (Paris), 1996, 90, 243-247.	2.1	109
21	Exact Subthreshold Integration with Continuous Spike Times in Discrete-Time Neural Network Simulations. Neural Computation, 2007, 19, 47-79.	2.2	101
22	Performance Comparison of the Digital Neuromorphic Hardware SpiNNaker and the Neural Network Simulation Software NEST for a Full-Scale Cortical Microcircuit Model. Frontiers in Neuroscience, 2018, 12, 291.	2.8	100
23	Correlations and Population Dynamics in Cortical Networks. Neural Computation, 2008, 20, 2185-2226.	2.2	99
24	Extremely Scalable Spiking Neuronal Network Simulation Code: From Laptops to Exascale Computers. Frontiers in Neuroinformatics, 2018, 12, 2.	2.5	92
25	The Correlation Structure of Local Neuronal Networks Intrinsically Results from Recurrent Dynamics. PLoS Computational Biology, 2014, 10, e1003428.	3.2	91
26	A multi-scale layer-resolved spiking network model of resting-state dynamics in macaque visual cortical areas. PLoS Computational Biology, 2018, 14, e1006359.	3.2	91
27	Hybrid Scheme for Modeling Local Field Potentials from Point-Neuron Networks. Cerebral Cortex, 2016, 26, 4461-4496.	2.9	89
28	Run-Time Interoperability Between Neuronal Network Simulators Based on the MUSIC Framework. Neuroinformatics, 2010, 8, 43-60.	2.8	88
29	Spiking network simulation code for petascale computers. Frontiers in Neuroinformatics, 2014, 8, 78.	2.5	87
30	Detecting unitary events without discretization of time. Journal of Neuroscience Methods, 1999, 94, 67-79.	2.5	85
31	Multi-scale account of the network structure of macaque visual cortex. Brain Structure and Function, 2018, 223, 1409-1435.	2.3	80
32	Propagation of cortical synfire activity: survival probability in single trials and stability in the mean. Neural Networks, 2001, 14, 657-673.	5.9	79
33	A Spiking Neural Network Model of an Actor-Critic Learning Agent. Neural Computation, 2009, 21, 301-339.	2.2	79
34	Is a 4-Bit Synaptic Weight Resolution Enough? â€“ Constraints on Enabling Spike-Timing Dependent Plasticity in Neuromorphic Hardware. Frontiers in Neuroscience, 2012, 6, 90.	2.8	77
35	Breaking Synchrony by Heterogeneity in Complex Networks. Physical Review Letters, 2004, 92, 074103.	7.8	75
36	Detecting Synfire Chain Activity Using Massively Parallel Spike Train Recording. Journal of Neurophysiology, 2008, 100, 2165-2176.	1.8	73

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37	A comprehensive workflow for general-purpose neural modeling with highly configurable neuromorphic hardware systems. Biological Cybernetics, 2011, 104, 263-296.	1.3	72
38	Dependence of Neuronal Correlations on Filter Characteristics and Marginal Spike Train Statistics. Neural Computation, 2008, 20, 2133-2184.	2.2	69
39	Dynamical changes and temporal precision of synchronized spiking activity in monkey motor cortex during movement preparation. Journal of Physiology (Paris), 2000, 94, 569-582.	2.1	68
40	Second type of criticality in the brain uncovers rich multiple-neuron dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13051-13060.	7.1	67
41	A unified view on weakly correlated recurrent networks. Frontiers in Computational Neuroscience, 2013, 7, 131.	2.1	61
42	Python in neuroscience. Frontiers in Neuroinformatics, 2015, 9, 11.	2.5	60
43	Reconstructing neuronal circuitry from parallel spike trains. Nature Communications, 2019, 10, 4468.	12.8	53
44	Scalability of Asynchronous Networks Is Limited by One-to-One Mapping between Effective Connectivity and Correlations. PLoS Computational Biology, 2015, 11, e1004490.	3.2	52
45	Efficient Parallel Simulation of Large-Scale Neuronal Networks on Clusters of Multiprocessor Computers. Lecture Notes in Computer Science, 2007, , 672-681.	1.3	50
46	Supercomputers Ready for Use as Discovery Machines for Neuroscience. Frontiers in Neuroinformatics, 2012, 6, 26.	2.5	50
47	A General and Efficient Method for Incorporating Precise Spike Times in Globally Time-Driven Simulations. Frontiers in Neuroinformatics, 2010, 4, 113.	2.5	49
48	Computational Neuroscience: Mathematical and Statistical Perspectives. Annual Review of Statistics and Its Application, 2018, 5, 183-214.	7.0	48
49	LFP beta amplitude is linked to mesoscopic spatio-temporal phase patterns. Scientific Reports, 2018, 8, 5200.	3.3	45
50	Surrogate spike train generation through dithering in operational time. Frontiers in Computational Neuroscience, 2010, 4, 127.	2.1	44
51	An Imperfect Dopaminergic Error Signal Can Drive Temporal-Difference Learning. PLoS Computational Biology, 2011, 7, e1001133.	3.2	44
52	Effect of cross-trial nonstationarity on joint-spike events. Biological Cybernetics, 2003, 88, 335-351.	1.3	43
53	Spike-Timing Dependence of Structural Plasticity Explains Cooperative Synapse Formation in the Neocortex. PLoS Computational Biology, 2012, 8, e1002689.	3.2	42
54	Meeting the Memory Challenges of Brain-Scale Network Simulation. Frontiers in Neuroinformatics, 2011, 5, 35.	2.5	42

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55	Echoes in correlated neural systems. New Journal of Physics, 2013, 15, 023002.	2.9	42
56	Structural plasticity controlled by calcium based correlation detection. Frontiers in Computational Neuroscience, 2008, 2, 7.	2.1	39
57	Identifying Anatomical Origins of Coexisting Oscillations in the Cortical Microcircuit. PLoS Computational Biology, 2016, 12, e1005132.	3.2	36
58	Limits to the development of feed-forward structures in large recurrent neuronal networks. Frontiers in Computational Neuroscience, 2010, 4, 160.	2.1	35
59	How pattern formation in ring networks of excitatory and inhibitory spiking neurons depends on the input current regime. Frontiers in Computational Neuroscience, 2013, 7, 187.	2.1	35
60	Layer-Dependent Attentional Processing by Top-down Signals in a Visual Cortical Microcircuit Model. Frontiers in Computational Neuroscience, 2011, 5, 31.	2.1	32
61	Detecting synfire chains in parallel spike data. Journal of Neuroscience Methods, 2012, 206, 54-64.	2.5	32
62	NMDA-receptor inhibition increases spine stability of denervated mouse dentate granule cells and accelerates spine density recovery following entorhinal denervation in vitro. Neurobiology of Disease, 2013, 59, 267-276.	4.4	31
63	High-Performance Computing in Neuroscience for Data-Driven Discovery, Integration, and Dissemination. Neuron, 2016, 92, 628-631.	8.1	31
64	Constructing Neuronal Network Models in Massively Parallel Environments. Frontiers in Neuroinformatics, 2017, 11, 30.	2.5	31
65	Effectiveness of systematic spike dithering depends on the precision of cortical synchronization. Brain Research, 2008, 1225, 39-46.	2.2	30
66	Enabling Functional Neural Circuit Simulations with Distributed Computing of Neuromodulated Plasticity. Frontiers in Computational Neuroscience, 2010, 4, 141.	2.1	29
67	Instantaneous Non-Linear Processing by Pulse-Coupled Threshold Units. PLoS Computational Biology, 2010, 6, e1000929.	3.2	28
68	Modulated escape from a metastable state driven by colored noise. Physical Review E, 2015, 92, 052119.	2.1	28
69	Fundamental Activity Constraints Lead to Specific Interpretations of the Connectome. PLoS Computational Biology, 2017, 13, e1005179.	3.2	27
70	The spread of rate and correlation in stationary cortical networks. Neurocomputing, 2003, 52-54, 949-954.	5.9	24
71	A reafferent and feed-forward model of song syntax generation in the Bengalese finch. Journal of Computational Neuroscience, 2011, 31, 509-532.	1.0	24
72	State space analysis of synchronous spiking in cortical neural networks. Neurocomputing, 2001, 38-40, 565-571.	5.9	23

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73	Programmable Logic Construction Kits for Hyper-Real-Time Neuronal Modeling. Neural Computation, 2006, 18, 2651-2679.	2.2	23
74	Integration of Continuous-Time Dynamics in a Spiking Neural Network Simulator. Frontiers in Neuroinformatics, 2017, 11, 34.	2.5	23
75	Evoked Potentials in Motor Cortical Local Field Potentials Reflect Task Timing and Behavioral Performance. Journal of Neurophysiology, 2010, 104, 2338-2351.	1.8	22
76	The ground state of cortical feed-forward networks. Neurocomputing, 2002, 44-46, 673-678.	5.9	21
77	High-capacity embedding of synfire chains in a cortical network model. Journal of Computational Neuroscience, 2013, 34, 185-209.	1.0	21
78	Simplicity and Efficiency of Integrate-and-Fire Neuron Models. Neural Computation, 2009, 21, 353-359.	2.2	20
79	Spatial and Feature-Based Attention in a Layered Cortical Microcircuit Model. PLoS ONE, 2013, 8, e80788.	2.5	20
80	A unified framework for spiking and gap-junction interactions in distributed neuronal network simulations. Frontiers in Neuroinformatics, 2015, 9, 22.	2.5	20
81	Significance of joint-spike events based on trial-shuffling by efficient combinatorial methods. Complexity, 2003, 8, 79-86.	1.6	18
82	A Compositionality Machine Realized by a Hierarchic Architecture of Synfire Chains. Frontiers in Computational Neuroscience, 2011, 4, 154.	2.1	18
83	Virtues, Pitfalls, and Methodology of Neuronal Network Modeling and Simulations on Supercomputers. , 2012, , 283-315.		18
84	Impact of Higher-Order Correlations on Coincidence Distributions of Massively Parallel Data. Lecture Notes in Computer Science, 2008, , 96-114.	1.3	17
85	Effect of Heterogeneity on Decorrelation Mechanisms in Spiking Neural Networks: A Neuromorphic-Hardware Study. Physical Review X, 2016, 6, .	8.9	15
86	Conditions for wave trains in spiking neural networks. Physical Review Research, 2020, 2, .	3.6	15
87	Sub-realtime simulation of a neuronal network of natural density. Neuromorphic Computing and Engineering, 2022, 2, 021001.	5.9	15
88	Equilibrium and response properties of the integrate-and-fire neuron in discrete time. Frontiers in Computational Neuroscience, 2010, 3, 29.	2.1	14
89	Noise Suppression and Surplus Synchrony by Coincidence Detection. PLoS Computational Biology, 2013, 9, e1002904.	3.2	13
90	Global organization of neuronal activity only requires unstructured local connectivity. ELife, 2022, 11, .	6.0	13

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91	VIOLAâ€"A Multi-Purpose and Web-Based Visualization Tool for Neuronal-Network Simulation Output. Frontiers in Neuroinformatics, 2018, 12, 75.	2.5	12
92	Maintaining Causality in Discrete Time Neuronal Network Simulations. , 2007, , 267-278.		12
93	Consequences of realistic network size on the stability of embedded synfire chains. Neurocomputing, 2004, 58-60, 117-121.	5.9	11
94	Estimating the contribution of assembly activity to cortical dynamics from spike and population measures. Journal of Computational Neuroscience, 2010, 29, 599-613.	1.0	11
95	Compositionality of arm movements can be realized by propagating synchrony. Journal of Computational Neuroscience, 2011, 30, 675-697.	1.0	11
96	Compositionality in neural control: an interdisciplinary study of scribbling movements in primates. Frontiers in Computational Neuroscience, 2013, 7, 103.	2.1	11
97	A Collaborative Simulation-Analysis Workflow for Computational Neuroscience Using HPC. Lecture Notes in Computer Science, 2017, , 243-256.	1.3	11
98	Deterministic networks for probabilistic computing. Scientific Reports, 2019, 9, 18303.	3.3	10
99	Unitary Event Analysis. , 2010, , 191-220.		10
100	Finite Post Synaptic Potentials Cause a Fast Neuronal Response. Frontiers in Neuroscience, 2011, 5, 19.	2.8	9
101	An accretion based data mining algorithm for identification of sets of correlated neurons. BMC Neuroscience, 2009, 10, .	1.9	8
102	Efficient generation of connectivity in neuronal networks from simulator-independent descriptions. Frontiers in Neuroinformatics, 2014, 8, 43.	2.5	8
103	International Neuroscience Initiatives through the Lens of High-Performance Computing. Computer, 2018, 51, 50-59.	1.1	8
104	Perfect Detection of Spikes in the Linear Sub-threshold Dynamics of Point Neurons. Frontiers in Neuroinformatics, 2018, 11, 75.	2.5	8
105	Simulating the Cortical Microcircuit Significantly Faster Than Real Time on the IBM INC-3000 Neural Supercomputer. Frontiers in Neuroscience, 2021, 15, 728460.	2.8	8
106	Sequence learning, prediction, and replay in networks of spiking neurons. PLoS Computational Biology, 2022, 18, e1010233.	3.2	8
107	Hybrid scheme for modeling local field potentials from point-neuron networks. BMC Neuroscience, 2015, 16, .	1.9	7
108	26th Annual Computational Neuroscience Meeting (CNS*2017): Part 2. BMC Neuroscience, 2017, 18, .	1.9	7

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109	Efficient Communication in Distributed Simulations of Spiking Neuronal Networks With Gap Junctions. Frontiers in Neuroinformatics, 2020, 14, 12.	2.5	7
110	Bounds of the Ability to Destroy Precise Coincidences by Spike Dithering. , 2007, , 428-437.		7
111	Routing Brain Traffic Through the Von Neumann Bottleneck: Parallel Sorting and Refactoring. Frontiers in Neuroinformatics, 2021, 15, 785068.	2.5	7
112	Neural Dynamics in Cortical Networks - Precision of Joint-spiking Events. Novartis Foundation Symposium, 2008, 239, 193-207.	1.1	6
113	Estimating the spatial range of local field potentials in a cortical population model. BMC Neuroscience, 2009, 10, .	1.9	6
114	Practically Trivial Parallel Data Processing in a Neuroscience Laboratory. , 2010, , 413-436.		6
115	A Modular Workflow for Performance Benchmarking of Neuronal Network Simulations. Frontiers in Neuroinformatics, 2022, 16, .	2.5	6
116	Routing brain traffic through the von Neumann bottleneck: Efficient cache usage in spiking neural network simulation code on general purpose computers. Parallel Computing, 2022, 113, 102952.	2.1	6
117	How pattern formation in ring networks of excitatory and inhibitory spiking neurons depends on the input current regime. BMC Neuroscience, 2013, 14, .	1.9	5
118	Invariance of covariances arises out of noise. , 2013, , .		5
119	Dynamic effective connectivity in cortically embedded systems of recurrently coupled synfire chains. Journal of Computational Neuroscience, 2016, 40, 1-26.	1.0	5
120	Usage and Scaling of an Open-Source Spiking Multi-Area Model of Monkey Cortex. Lecture Notes in Computer Science, 2021, , 47-59.	1.3	5
121	Synchronization and rate dynamics in embedded synfire chains: effect of network heterogeneity and feedback. BMC Neuroscience, 2009, 10, .	1.9	4
122	Decorrelation of low-frequency neural activity by inhibitory feedback. BMC Neuroscience, 2010, 11, .	1.9	4
123	Random wiring limits the development of functional structure in large recurrent neuronal networks. BMC Neuroscience, 2010, 11, .	1.9	4
124	NEST Desktop, an Educational Application for Neuroscience. ENeuro, 2021, 8, ENEURO.0274-21.2021.	1.9	4
125	Dynamical Characteristics of Recurrent Neuronal Networks Are Robust Against Low Synaptic Weight Resolution. Frontiers in Neuroscience, 2021, 15, 757790.	2.8	4
126	Implications of the specific cortical circuitry for the network dynamics of a layered cortical network model. BMC Neuroscience, 2009, 10, .	1.9	3

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127	A reafferent model of song syntax generation in the Bengalese finch. BMC Neuroscience, 2010, 11, .	1.9	3
128	NEST: The Neural Simulation Tool. , 2013, , 1-4.		3
129	Simulating macroscale brain circuits with microscale resolution. Frontiers in Neuroinformatics, 0, 3, .	2.5	3
130	Multithreaded and Distributed Simulation of Large Biological Neuronal Networks. Lecture Notes in Computer Science, 2007, , 391-392.	1.3	3
131	Cortical synfire-activity: Configuration space and survival probability. Neurocomputing, 2001, 38-40, 621-626.	5.9	2
132	A spiking temporal-difference learning model based on dopamine-modulated plasticity. BMC Neuroscience, 2009, 10, .	1.9	2
133	A model of free monkey scribbling based on the propagation of cell assembly activity. BMC Neuroscience, 2009, 10, .	1.9	2
134	Neurons hear their echo. BMC Neuroscience, 2010, 11, .	1.9	2
135	Multi-scale, multi-modal neural modeling and simulation. Neural Networks, 2011, 24, 917.	5.9	2
136	From laptops to supercomputers: a single highly scalable code base for spiking neuronal network simulations. BMC Neuroscience, 2013, 14, .	1.9	2
137	Deterministic neural networks as sources of uncorrelated noise for probabilistic computations. BMC Neuroscience, 2015, 16, .	1.9	2
138	Constraints on sequence processing speed in biological neuronal networks. , 2019, , .		2
139	Event-Based Update of Synapses in Voltage-Based Learning Rules. Frontiers in Neuroinformatics, 2021, 15, 609147.	2.5	2
140	Modeling the local field potential by a large-scale layered cortical network model. Frontiers in Neuroinformatics, 0, 3, .	2.5	2
141	Comparison of methods to calculate exact spike times in integrate-and-fire neurons with exponential currents. BMC Neuroscience, 2008, 9, .	1.9	1
142	Theory of neuronal spike densities for synchronous activity in cortical feed-forward networks. BMC Neuroscience, 2008, 9, P143.	1.9	1
143	High storage capacity of synfire chains in large-scale cortical networks of conductance-based spiking neurons. BMC Neuroscience, 2010, 11, .	1.9	1
144	Dependence of Spike-Count Correlations on Spike-Train Statistics and Observation TimeÂScale. , 2010, , 103-127.		1

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145	Fail-safe detection of threshold crossings of linear integrate-and-fire neuron models in time-driven simulations. BMC Neuroscience, 2011, 12, .	1.9	1
146	Influence of different types of downscaling on a cortical microcircuit model. BMC Neuroscience, 2013, 14, .	1.9	1
147	Reaction-diffusion-like formalism for plastic neural networks reveals dissipative solitons at criticality. Physical Review E, 2016, 93, 062303.	2.1	1
148	Criteria on Balance, Stability, and Excitability in Cortical Networks for Constraining Computational Models. Frontiers in Computational Neuroscience, 2018, 12, 44.	2.1	1
149	Complex Network Topology and Dynamics in Networks Supporting Precisely-Timed Activity Patterns. , 2013, , 317-322.		1
150	Including Gap Junctions into Distributed Neuronal Network Simulations. Lecture Notes in Computer Science, 2016, , 43-57.	1.3	1
151	Finite synaptic potentials cause a non-linear instantaneous response of the integrate-and-fire model. BMC Neuroscience, 2009, 10, .	1.9	0
152	Estimating the contribution of assembly activity to cortical dynamics from spike and population measures. BMC Neuroscience, 2009, 10, .	1.9	0
153	Bifurcation analysis of synchronization dynamics in cortical feed-forward networks in novel coordinates. BMC Neuroscience, 2009, 10, .	1.9	0
154	The non-linear response of the integrate-and-fire neuron to finite synaptic potentials. Neuroscience Research, 2009, 65, S78.	1.9	0
155	Phase locking between excess spike synchrony and LFP is independent of rate covariation. BMC Neuroscience, 2010, 11, .	1.9	0
156	Neural modulation of a realistic layered-microcircuit model of visual cortex based on bottom-up and top-down signals. Neuroscience Research, 2010, 68, e380.	1.9	0
157	Self-feedback shapes correlation functions. Neuroscience Research, 2010, 68, e106.	1.9	0
158	Estimating the spatial scale of local field potentials in a cortical population model. Neuroscience Research, 2010, 68, e212-e213.	1.9	0
159	Supercomputers as data integration facilities: brain-scale simulations. Neuroscience Research, 2010, 68, e31.	1.9	0
160	Spatial and feature-based attentional processing by top-down signals in a visual cortical layered microcircuit model. Neuroscience Research, 2011, 71, e175.	1.9	0
161	Correlation transmission of spiking neurons is boosted by synchronous input. BMC Neuroscience, 2011, 12, .	1.9	0
162	Relating excess spike synchrony to LFP-locked firing rates modulations. BMC Neuroscience, 2013, 14, .	1.9	0

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163	Recurrence and external sources differentially shape network correlations. BMC Neuroscience, 2013, 14, .	1.9	0
164	Hybrid scheme for modeling LFPs from spiking cortical network models. BMC Neuroscience, 2013, 14, .	1.9	0
165	Interactive visualization of brain-scale spiking activity. BMC Neuroscience, 2013, 14, .	1.9	0
166	Integrating multi-scale data for a network model of macaque visual cortex. BMC Neuroscience, 2013, 14, .	1.9	0
167	Limits to the scalability of cortical network models. BMC Neuroscience, 2015, 16, .	1.9	0
168	Effective connectivity analysis explains metastable states of ongoing activity in cortically embedded systems of coupled synfire chains. BMC Neuroscience, 2015, 16, .	1.9	0
169	Functional consequences of non-equilibrium dynamics caused by antisymmetric and symmetric learning rules. BMC Neuroscience, 2015, 16, .	1.9	0
170	Identifying and exploiting the anatomical origin of population rate oscillations in multi-layered spiking networks. BMC Neuroscience, 2015, 16, .	1.9	0
171	A Model of Spatial Reach in LFP Recordings. Springer Series in Computational Neuroscience, 2018, , 509-533.	0.3	0
172	Multi-population Network Models of the Cortical Microcircuit. , 2013, , 91-96.		0
173	NEST: The Neural Simulation Tool. , 2019, , 1-3.		0
174	Unitary Event Analysis. , 2020, , 1-5.		0
175	The speed of sequence processing in biological neuronal networks. , 2020, , .		0
176	Unitary Event Analysis. , 2022, , 3489-3493.		0
177	NEST: The Neural Simulation Tool. , 2022, , 2187-2189.		0