

Andreas Spiegler

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,692
citations

687220

13
h-index

794469

19
g-index

28
all docs

28
docs citations

28
times ranked

1939
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain simulation augments machine-learning-based classification of dementia. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2022, 8, .	1.8	10
2	In silico exploration of mouse brain dynamics by focal stimulation reflects the organization of functional networks and sensory processing. <i>Network Neuroscience</i> , 2020, 4, 807-851.	1.4	8
3	Linking Molecular Pathways and Large-Scale Computational Modeling to Assess Candidate Disease Mechanisms and Pharmacodynamics in Alzheimer's Disease. <i>Frontiers in Computational Neuroscience</i> , 2019, 13, 54.	1.2	83
4	Ebbinghaus figures that deceive the eye do not necessarily deceive the hand. <i>Scientific Reports</i> , 2017, 7, 3111.	1.6	12
5	Fast-Slow Bursters in the Unfolding of a High Codimension Singularity and the Ultra-slow Transitions of Classes. <i>Journal of Mathematical Neuroscience</i> , 2017, 7, 7.	2.4	60
6	How do parcellation size and short-range connectivity affect dynamics in large-scale brain network models?. <i>NeuroImage</i> , 2016, 142, 135-149.	2.1	103
7	Heterogeneity of time delays determines synchronization of coupled oscillators. <i>Physical Review E</i> , 2016, 94, 012209.	0.8	49
8	Transcranial direct current stimulation changes resting state functional connectivity: A large-scale brain network modeling study. <i>NeuroImage</i> , 2016, 140, 174-187.	2.1	132
9	Selective Activation of Resting-State Networks following Focal Stimulation in a Connectome-Based Network Model of the Human Brain. <i>ENeuro</i> , 2016, 3, ENEURO.0068-16.2016.	0.9	80
10	Large-scale brain dynamics: effect of connectivity resolution. <i>BMC Neuroscience</i> , 2015, 16, .	0.8	0
11	Investigating the effect of electrical brain stimulation using a connectome-based brain network model. <i>BMC Neuroscience</i> , 2015, 16, .	0.8	0
12	Effects of multimodal distribution of delays in brain network dynamics. <i>BMC Neuroscience</i> , 2015, 16, .	0.8	4
13	Mathematical framework for large-scale brain network modeling in The Virtual Brain. <i>NeuroImage</i> , 2015, 111, 385-430.	2.1	274
14	Functional connectivity dynamics: Modeling the switching behavior of the resting state. <i>NeuroImage</i> , 2015, 105, 525-535.	2.1	463
15	Bottom up modeling of the connectome: Linking structure and function in the resting brain and their changes in aging. <i>NeuroImage</i> , 2013, 80, 318-329.	2.1	81
16	Systematic approximations of neural fields through networks of neural masses in the virtual brain. <i>NeuroImage</i> , 2013, 83, 704-725.	2.1	59
17	TheVirtualBrain. <i>Scholarpedia Journal</i> , 2013, 8, 30912.	0.3	1
18	A neural field model using advanced anatomical connectivity information. <i>BMC Neuroscience</i> , 2011, 12, .	0.8	0

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19	Complex behavior in a modified Jansen and Rit neural mass model. BMC Neuroscience, 2011, 12, .	0.8	0
20	Modeling Brain Resonance Phenomena Using a Neural Mass Model. PLoS Computational Biology, 2011, 7, e1002298.	1.5	106
21	Periodically forced neural mass model: entrainment and complex behavior. BMC Neuroscience, 2010, 11, .	0.8	0
22	Bifurcation analysis of neural mass models: Impact of extrinsic inputs and dendritic time constants. NeuroImage, 2010, 52, 1041-1058.	2.1	125
23	Neural mass models for mimicking brain signals – impact of extrinsic inputs on interneurons and dendritic time constants. BMC Neuroscience, 2009, 10, .	0.8	1
24	A neural field model for spatio-temporal brain activity using a morphological model of cortical connectivity. BMC Neuroscience, 2009, 10, .	0.8	0
25	Phase coupling between different motor areas during tongue-movement imagery. Neuroscience Letters, 2004, 369, 50-54.	1.0	33