Andreas Spiegler

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Brain simulation augments machineâ€learning–based classification of dementia. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2022, 8, .	3.7	10
2	In silico exploration of mouse brain dynamics by focal stimulation reflects the organization of functional networks and sensory processing. Network Neuroscience, 2020, 4, 807-851.	2.6	8
3	Linking Molecular Pathways and Large-Scale Computational Modeling to Assess Candidate Disease Mechanisms and Pharmacodynamics in Alzheimer's Disease. Frontiers in Computational Neuroscience, 2019, 13, 54.	2.1	83
4	Ebbinghaus figures that deceive the eye do not necessarily deceive the hand. Scientific Reports, 2017, 7, 3111.	3.3	12
5	Fast–Slow Bursters in the Unfolding of a High Codimension Singularity and the Ultra-slow Transitions of Classes. Journal of Mathematical Neuroscience, 2017, 7, 7.	2.4	60
6	How do parcellation size and short-range connectivity affect dynamics in large-scale brain network models?. NeuroImage, 2016, 142, 135-149.	4.2	103
7	Heterogeneity of time delays determines synchronization of coupled oscillators. Physical Review E, 2016, 94, 012209.	2.1	49
8	Transcranial direct current stimulation changes resting state functional connectivity: A large-scale brain network modeling study. NeuroImage, 2016, 140, 174-187.	4.2	132
9	Selective Activation of Resting-State Networks following Focal Stimulation in a Connectome-Based Network Model of the Human Brain. ENeuro, 2016, 3, ENEURO.0068-16.2016.	1.9	80
10	Large-scale brain dynamics: effect of connectivity resolution. BMC Neuroscience, 2015, 16, .	1.9	0
11	Investigating the effect of electrical brain stimulation using a connectome-based brain network model. BMC Neuroscience, 2015, 16, .	1.9	Ο
12	Effects of multimodal distribution of delays in brain network dynamics. BMC Neuroscience, 2015, 16, .	1.9	4
13	Mathematical framework for large-scale brain network modeling in The Virtual Brain. NeuroImage, 2015, 111, 385-430.	4.2	274
14	Functional connectivity dynamics: Modeling the switching behavior of the resting state. NeuroImage, 2015, 105, 525-535.	4.2	463
15	Bottom up modeling of the connectome: Linking structure and function in the resting brain and their changes in aging. Neurolmage, 2013, 80, 318-329.	4.2	81
16	Systematic approximations of neural fields through networks of neural masses in the virtual brain. NeuroImage, 2013, 83, 704-725.	4.2	59
17	TheVirtualBrain. Scholarpedia Journal, 2013, 8, 30912.	0.3	1
18	A neural field model using advanced anatomical connectivity information. BMC Neuroscience, 2011, 12,	1.9	0

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19	Complex behavior in a modified Jansen and Rit neural mass model. BMC Neuroscience, 2011, 12, .	1.9	0
20	Modeling Brain Resonance Phenomena Using a Neural Mass Model. PLoS Computational Biology, 2011, 7, e1002298.	3.2	106
21	Periodically forced neural mass model: entrainment and complex behavior. BMC Neuroscience, 2010, 11,	1.9	0
22	Bifurcation analysis of neural mass models: Impact of extrinsic inputs and dendritic time constants. NeuroImage, 2010, 52, 1041-1058.	4.2	125
23	Neural mass models for mimicking brain signals $\hat{a} \in$ impact of extrinsic inputs on interneurons and dendritic time constants. BMC Neuroscience, 2009, 10, .	1.9	1
24	A neural field model for spatio-temporal brain activity using a morphological model of cortical connectivity. BMC Neuroscience, 2009, 10, .	1.9	0
25	Phase coupling between different motor areas during tongue-movement imagery. Neuroscience Letters, 2004, 369, 50-54.	2.1	33