Andreas Spiegler

List of Publications by Year
in descending order

25	1,692	687220 13	794469 19
papers	citations	h-index	g-index

28	28	28	1939
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Functional connectivity dynamics: Modeling the switching behavior of the resting state. NeuroImage, 2015, 105, 525-535.	2.1	463
2	Mathematical framework for large-scale brain network modeling in The Virtual Brain. NeuroImage, 2015, 111, 385-430.	2.1	274
3	Transcranial direct current stimulation changes resting state functional connectivity: A large-scale brain network modeling study. NeuroImage, 2016, 140, 174-187.	2.1	132
4	Bifurcation analysis of neural mass models: Impact of extrinsic inputs and dendritic time constants. NeuroImage, 2010, 52, 1041-1058.	2.1	125
5	Modeling Brain Resonance Phenomena Using a Neural Mass Model. PLoS Computational Biology, 2011, 7, e1002298.	1.5	106
6	How do parcellation size and short-range connectivity affect dynamics in large-scale brain network models?. NeuroImage, 2016, 142, 135-149.	2.1	103
7	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.	1.2	83
8	Bottom up modeling of the connectome: Linking structure and function in the resting brain and their changes in aging. NeuroImage, 2013, 80, 318-329.	2.1	81
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.	0.9	80
10	Fastâ€“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
11	Systematic approximations of neural fields through networks of neural masses in the virtual brain. NeuroImage, 2013, 83, 704-725.	2.1	59
12	Heterogeneity of time delays determines synchronization of coupled oscillators. Physical Review E, 2016, 94, 012209.	0.8	49
13	Phase coupling between different motor areas during tongue-movement imagery. Neuroscience Letters, 2004, 369, 50-54.	1.0	33
14	Ebbinghaus figures that deceive the eye do not necessarily deceive the hand. Scientific Reports, 2017, 7, 3111.	1.6	12
15	Brain simulation augments machineâ€learningâ€“based classification of dementia. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2022, 8, .	1.8	10
16	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.	1.4	8
17	Effects of multimodal distribution of delays in brain network dynamics. BMC Neuroscience, 2015, 16, .	0.8	4
18	Neural mass models for mimicking brain signals â€“ impact of extrinsic inputs on interneurons and dendritic time constants. BMC Neuroscience, 2009, 10, .	0.8	1

#	Article	IF	Citations
19	TheVirtualBrain. Scholarpedia Journal, 2013, 8, 30912.	0.3	1
20	A neural field model for spatio-temporal brain activity using a morphological model of cortical connectivity. BMC Neuroscience, 2009, 10, .	0.8	0
21	Periodically forced neural mass model: entrainment and complex behavior. BMC Neuroscience, 2010, 11, .	0.8	0
22	A neural field model using advanced anatomical connectivity information. BMC Neuroscience, 2011, 12, .	0.8	0
23	Complex behavior in a modified Jansen and Rit neural mass model. BMC Neuroscience, 2011, 12, .	0.8	0
24	Large-scale brain dynamics: effect of connectivity resolution. BMC Neuroscience, 2015, 16, .	0.8	0
25	Investigating the effect of electrical brain stimulation using a connectome-based brain network model. BMC Neuroscience, 2015, 16, .	0.8	0