Melissa Zavaglia

List of Publications by Year
in descending order

19 papers	1,041 citations	759233 12 h-index	839539 18 g-index
19 all docs	19 docs citations	19 times ranked	1403 citing authors

#	Article	IF	Citations
1	Revisiting â€˜brain modesâ€™ in a new computational era: approaches for the characterization of brain-behavioural associations. Brain, 2020, 143, 1088-1098.	7.6	30
2	Game theoretical mapping of white matter contributions to visuospatial attention in stroke patients with hemineglect. Human Brain Mapping, 2020, 41, 2926-2950.	3.6	15
3	Reply: Inhibition between human brain areas or methodological artefact?. Brain, 2020, 143, e39-e39.	7.6	5
4	Discrimination of the hierarchical structure of cortical layers in 2-photon microscopy data by combined unsupervised and supervised machine learning. Scientific Reports, 2019, 9, 7424.	3.3	9
5	Game theoretical mapping of causal interactions underlying visuoâ€spatial attention in the human brain based on stroke lesions. Human Brain Mapping, 2017, 38, 3454-3471.	3.6	32
6	Technical considerations of a game-theoretical approach for lesion symptom mapping. BMC Neuroscience, 2016, 17, 40.	1.9	7
7	Causal functional contributions and interactions in the attention network of the brain: an objective multi-perturbation analysis. Brain Structure and Function, 2016, 221, 2553-2568.	2.3	13
8	Mapping causal functional contributions derived from the clinical assessment of brain damage after stroke. NeuroImage: Clinical, 2015, 9, 83-94.	2.7	29
9	Influence of Stroke Infarct Location on Functional Outcome Measured by the Modified Rankin Scale. Stroke, 2014, 45, 1695-1702.	2.0	193
10	BINDING AND SEGMENTATION VIA A NEURAL MASS MODEL TRAINED WITH HEBBIAN AND ANTI-HEBBIAN MECHANISMS. International Journal of Neural Systems, 2012, 22, 1250003.	5.2	7
11	Computational Study of Rhythm Propagation Induced by TMS Stimuli in Different Brain Regions. Studies in Computational Intelligence, 2012, , 389-403.	0.9	0
12	The generation of rhythms within a cortical region: Analysis of a neural mass model. NeuroImage, 2010, 52, 1080-1094.	4.2	100
13	Changes in EEG Power Spectral Density and Cortical Connectivity in Healthy and Tetraplegic Patients during a Motor Imagery Task. Computational Intelligence and Neuroscience, 2009, 2009, 1-12.	1.7	21
14	The Effect of Connectivity on EEG Rhythms, Power Spectral Density and Coherence Among Coupled Neural Populations: Analysis With a Neural Mass Model. IEEE Transactions on Biomedical Engineering, 2008, 55, 69-77.	4.2	37
15	MODELING ANALYSIS OF THE RELATIONSHIP BETWEEN EEG RHYTHMS AND CONNECTIVITY AMONG DIFFERENT NEURAL POPULATIONS. Journal of Integrative Neuroscience, 2007, 06, 597-623.	1.7	3
16	Comparison of different cortical connectivity estimators for high-resolution EEG recordings. Human Brain Mapping, 2007, 28, 143-157.	3.6	317
17	Use of a neural mass model for the analysis of effective connectivity among cortical regions based on high resolution EEG recordings. Biological Cybernetics, 2007, 96, 351-365.	1.3	22
18	A neural mass model for the simulation of cortical activity estimated from high resolution EEG during cognitive or motor tasks. Journal of Neuroscience Methods, 2006, 157, 317-329.	2.5	79

#	Article	IF	Citations
19	Assessing cortical functional connectivity by partial directed coherence: simulations and application to real data. IEEE Transactions on Biomedical Engineering, 2006, 53, 1802-1812.	4.2	122