

Melissa Zavaglia

List of Publications by Year in descending order

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Version: 2024-02-01

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	Comparison of different cortical connectivity estimators for high-resolution EEG recordings. <i>Human Brain Mapping</i> , 2007, 28, 143-157.	3.6	317
2	Influence of Stroke Infarct Location on Functional Outcome Measured by the Modified Rankin Scale. <i>Stroke</i> , 2014, 45, 1695-1702.	2.0	193
3	Assessing cortical functional connectivity by partial directed coherence: simulations and application to real data. <i>IEEE Transactions on Biomedical Engineering</i> , 2006, 53, 1802-1812.	4.2	122
4	The generation of rhythms within a cortical region: Analysis of a neural mass model. <i>NeuroImage</i> , 2010, 52, 1080-1094.	4.2	100
5	A neural mass model for the simulation of cortical activity estimated from high resolution EEG during cognitive or motor tasks. <i>Journal of Neuroscience Methods</i> , 2006, 157, 317-329.	2.5	79
6	The Effect of Connectivity on EEG Rhythms, Power Spectral Density and Coherence Among Coupled Neural Populations: Analysis With a Neural Mass Model. <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 69-77.	4.2	37
7	Game theoretical mapping of causal interactions underlying visuo-spatial attention in the human brain based on stroke lesions. <i>Human Brain Mapping</i> , 2017, 38, 3454-3471.	3.6	32
8	Revisiting "brain modes"™ in a new computational era: approaches for the characterization of brain-behavioural associations. <i>Brain</i> , 2020, 143, 1088-1098.	7.6	30
9	Mapping causal functional contributions derived from the clinical assessment of brain damage after stroke. <i>NeuroImage: Clinical</i> , 2015, 9, 83-94.	2.7	29
10	Use of a neural mass model for the analysis of effective connectivity among cortical regions based on high resolution EEG recordings. <i>Biological Cybernetics</i> , 2007, 96, 351-365.	1.3	22
11	Changes in EEG Power Spectral Density and Cortical Connectivity in Healthy and Tetraplegic Patients during a Motor Imagery Task. <i>Computational Intelligence and Neuroscience</i> , 2009, 2009, 1-12.	1.7	21
12	Game theoretical mapping of white matter contributions to visuospatial attention in stroke patients with hemineglect. <i>Human Brain Mapping</i> , 2020, 41, 2926-2950.	3.6	15
13	Causal functional contributions and interactions in the attention network of the brain: an objective multi-perturbation analysis. <i>Brain Structure and Function</i> , 2016, 221, 2553-2568.	2.3	13
14	Discrimination of the hierarchical structure of cortical layers in 2-photon microscopy data by combined unsupervised and supervised machine learning. <i>Scientific Reports</i> , 2019, 9, 7424.	3.3	9
15	BINDING AND SEGMENTATION VIA A NEURAL MASS MODEL TRAINED WITH HEBBIAN AND ANTI-HEBBIAN MECHANISMS. <i>International Journal of Neural Systems</i> , 2012, 22, 1250003.	5.2	7
16	Technical considerations of a game-theoretical approach for lesion symptom mapping. <i>BMC Neuroscience</i> , 2016, 17, 40.	1.9	7
17	Reply: Inhibition between human brain areas or methodological artefact?. <i>Brain</i> , 2020, 143, e39-e39.	7.6	5
18	MODELING ANALYSIS OF THE RELATIONSHIP BETWEEN EEG RHYTHMS AND CONNECTIVITY AMONG DIFFERENT NEURAL POPULATIONS. <i>Journal of Integrative Neuroscience</i> , 2007, 06, 597-623.	1.7	3

#	ARTICLE	IF	CITATIONS
19	Computational Study of Rhythm Propagation Induced by TMS Stimuli in Different Brain Regions. Studies in Computational Intelligence, 2012, , 389-403.	0.9	0