

Andrea Brovelli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4953349/publications.pdf>

Version: 2024-02-01

37
papers

2,730
citations

331670

21
h-index

414414

32
g-index

42
all docs

42
docs citations

42
times ranked

3830
citing authors

#	ARTICLE	IF	CITATIONS
1	Beta oscillations in a large-scale sensorimotor cortical network: Directional influences revealed by Granger causality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 9849-9854.	7.1	939
2	The ups and downs of beta oscillations in sensorimotor cortex. <i>Experimental Neurology</i> , 2013, 245, 15-26.	4.1	507
3	High gamma frequency oscillatory activity dissociates attention from intention in the human premotor cortex. <i>NeuroImage</i> , 2005, 28, 154-164.	4.2	150
4	Multivoxel Pattern Analysis for fMRI Data: A Review. <i>Computational and Mathematical Methods in Medicine</i> , 2012, 2012, 1-14.	1.3	147
5	Effects of lesions to area V6A in monkeys. <i>Experimental Brain Research</i> , 2002, 144, 419-422.	1.5	113
6	Visuo-motor learning with combination of different rates of motor imagery and physical practice. <i>Experimental Brain Research</i> , 2007, 184, 105-113.	1.5	108
7	Differential roles of caudate nucleus and putamen during instrumental learning. <i>NeuroImage</i> , 2011, 57, 1580-1590.	4.2	106
8	Understanding the Neural Computations of Arbitrary Visuomotor Learning through fMRI and Associative Learning Theory. <i>Cerebral Cortex</i> , 2008, 18, 1485-1495.	2.9	66
9	<i>MarsAtlas</i> : A cortical parcellation atlas for functional mapping. <i>Human Brain Mapping</i> , 2016, 37, 1573-1592.	3.6	59
10	Local or Not Local: Investigating the Nature of Striatal Theta Oscillations in Behaving Rats. <i>ENeuro</i> , 2017, 4, ENEURO.0128-17.2017.	1.9	45
11	EEG dynamics of the frontoparietal network during reaching preparation in humans. <i>NeuroImage</i> , 2007, 34, 1673-1682.	4.2	44
12	Modeling choice and reaction time during arbitrary visuomotor learning through the coordination of adaptive working memory and reinforcement learning. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 225.	2.0	44
13	Dynamic Reconfiguration of Visuomotor-Related Functional Connectivity Networks. <i>Journal of Neuroscience</i> , 2017, 37, 839-853.	3.6	42
14	Characterization of Cortical Networks and Corticocortical Functional Connectivity Mediating Arbitrary Visuomotor Mapping. <i>Journal of Neuroscience</i> , 2015, 35, 12643-12658.	3.6	41
15	Graph Measures of Node Strength for Characterizing Preictal Synchrony in Partial Epilepsy. <i>Brain Connectivity</i> , 2016, 6, 530-539.	1.7	38
16	Vicarious Neural Processing of Outcomes during Observational Learning. <i>PLoS ONE</i> , 2013, 8, e73879.	2.5	38
17	Tensorpac: An open-source Python toolbox for tensor-based phase-amplitude coupling measurement in electrophysiological brain signals. <i>PLoS Computational Biology</i> , 2020, 16, e1008302.	3.2	33
18	Medium-Range Oscillatory Network and the 20-Hz Sensorimotor Induced Potential. <i>NeuroImage</i> , 2002, 16, 130-141.	4.2	32

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19	fMRI and EEG Responses to Periodic Visual Stimulation. <i>NeuroImage</i> , 1999, 10, 125-148.	4.2	26
20	Neurophysiological correlates of visuo-motor learning through mental and physical practice. <i>Neuropsychologia</i> , 2014, 55, 6-14.	1.6	24
21	Advanced Parkinson's disease effect on goal-directed and habitual processes involved in visuomotor associative learning. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 351.	2.0	22
22	Neural mechanisms mediating degrees of strategic uncertainty. <i>Social Cognitive and Affective Neuroscience</i> , 2018, 13, 52-62.	3.0	18
23	I learned from what you did: Retrieving visuomotor associations learned by observation. <i>NeuroImage</i> , 2008, 42, 1207-1213.	4.2	15
24	Learning by observation in the macaque monkey under high experimental constraints. <i>Behavioural Brain Research</i> , 2015, 289, 141-148.	2.2	12
25	Statistical Analysis of Single-Trial Granger Causality Spectra. <i>Computational and Mathematical Methods in Medicine</i> , 2012, 2012, 1-10.	1.3	10
26	Group-level inference of information-based measures for the analyses of cognitive brain networks from neurophysiological data. <i>NeuroImage</i> , 2022, 258, 119347.	4.2	10
27	Stroke-related alterations in inter-areal communication. <i>NeuroImage: Clinical</i> , 2021, 32, 102812.	2.7	8
28	Two classes of functional connectivity in dynamical processes in networks. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210486.	3.4	7
29	A generative spiking neural-network model of goal-directed behaviour and one-step planning. <i>PLoS Computational Biology</i> , 2020, 16, e1007579.	3.2	5
30	A simple and fast technique for on-line fMRI data analysis. <i>Magnetic Resonance Imaging</i> , 2002, 20, 207-213.	1.8	4
31	Estimating the hidden learning representations. <i>Journal of Physiology (Paris)</i> , 2007, 101, 110-117.	2.1	2
32	Dynamic Reconfiguration of Visuomotor-Related Functional Connectivity Networks. <i>Journal of Neuroscience</i> , 2017, 37, 839-853.	3.6	2
33	Coordination of adaptive working memory and reinforcement learning systems explaining choice and reaction time in a human experiment. <i>BMC Neuroscience</i> , 2014, 15, .	1.9	0
34	Title is missing!. , 2020, 16, e1008302.		0
35	Title is missing!. , 2020, 16, e1008302.		0
36	Title is missing!. , 2020, 16, e1008302.		0

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37	Title is missing!. , 2020, 16, e1008302.		0