

Joana Cabral

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

3,986
citations

279798

23
h-index

243625

44
g-index

68
all docs

68
docs citations

68
times ranked

3166
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of local network oscillations in resting-state functional connectivity. <i>NeuroImage</i> , 2011, 57, 130-139.	4.2	467
2	Functional connectivity dynamically evolves on multiple time-scales over a static structural connectome: Models and mechanisms. <i>NeuroImage</i> , 2017, 160, 84-96.	4.2	319
3	Exploring the network dynamics underlying brain activity during rest. <i>Progress in Neurobiology</i> , 2014, 114, 102-131.	5.7	309
4	Exploring mechanisms of spontaneous functional connectivity in MEG: How delayed network interactions lead to structured amplitude envelopes of band-pass filtered oscillations. <i>NeuroImage</i> , 2014, 90, 423-435.	4.2	287
5	Cognitive performance in healthy older adults relates to spontaneous switching between states of functional connectivity during rest. <i>Scientific Reports</i> , 2017, 7, 5135.	3.3	257
6	Awakening: Predicting external stimulation to force transitions between different brain states. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18088-18097.	7.1	176
7	Dynamic coupling of whole-brain neuronal and neurotransmitter systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9566-9576.	7.1	173
8	Modeling the outcome of structural disconnection on resting-state functional connectivity. <i>NeuroImage</i> , 2012, 62, 1342-1353.	4.2	169
9	Single or multiple frequency generators in on-going brain activity: A mechanistic whole-brain model of empirical MEG data. <i>NeuroImage</i> , 2017, 152, 538-550.	4.2	165
10	Whole-Brain Multimodal Neuroimaging Model Using Serotonin Receptor Maps Explains Non-linear Functional Effects of LSD. <i>Current Biology</i> , 2018, 28, 3065-3074.e6.	3.9	159
11	Dynamical exploration of the repertoire of brain networks at rest is modulated by psilocybin. <i>NeuroImage</i> , 2019, 199, 127-142.	4.2	152
12	Discovery of key whole-brain transitions and dynamics during human wakefulness and non-REM sleep. <i>Nature Communications</i> , 2019, 10, 1035.	12.8	148
13	Computational models link cellular mechanisms of neuromodulation to large-scale neural dynamics. <i>Nature Neuroscience</i> , 2021, 24, 765-776.	14.8	109
14	Effects of lesions on synchrony and metastability in cortical networks. <i>NeuroImage</i> , 2015, 118, 456-467.	4.2	106
15	Neural Plasticity in Human Brain Connectivity: The Effects of Long Term Deep Brain Stimulation of the Subthalamic Nucleus in Parkinson's Disease. <i>PLoS ONE</i> , 2014, 9, e86496.	2.5	95
16	Perturbation of whole-brain dynamics in silico reveals mechanistic differences between brain states. <i>NeuroImage</i> , 2018, 169, 46-56.	4.2	83
17	Uncovering the underlying mechanisms and whole-brain dynamics of deep brain stimulation for Parkinson's disease. <i>Scientific Reports</i> , 2017, 7, 9882.	3.3	79
18	Altered ability to access a clinically relevant control network in patients remitted from major depressive disorder. <i>Human Brain Mapping</i> , 2019, 40, 2771-2786.	3.6	76

#	ARTICLE	IF	CITATIONS
19	Ghost Attractors in Spontaneous Brain Activity: Recurrent Excursions Into Functionally-Relevant BOLD Phase-Locking States. <i>Frontiers in Systems Neuroscience</i> , 2020, 14, 20.	2.5	75
20	A Kuramoto model of self-other integration across interpersonal synchronization strategies. <i>PLoS Computational Biology</i> , 2019, 15, e1007422.	3.2	62
21	Structural connectivity in schizophrenia and its impact on the dynamics of spontaneous functional networks. <i>Chaos</i> , 2013, 23, 046111.	2.5	60
22	Metastable oscillatory modes emerge from synchronization in the brain spacetime connectome. <i>Communications Physics</i> , 2022, 5, .	5.3	37
23	Functional Graph Alterations in Schizophrenia: A Result from a Global Anatomic Decoupling?. <i>Pharmacopsychiatry</i> , 2012, 45, S57-S64.	3.3	36
24	The Dynamics of Functional Brain Networks Associated With Depressive Symptoms in a Nonclinical Sample. <i>Frontiers in Neural Circuits</i> , 2020, 14, 570583.	2.8	34
25	Trait self-reflectiveness relates to time-varying dynamics of resting state functional connectivity and underlying structural connectomes: Role of the default mode network. <i>NeuroImage</i> , 2020, 219, 116896.	4.2	33
26	The Power of Smiling: The Adult Brain Networks Underlying Learned Infant Emotionality. <i>Cerebral Cortex</i> , 2020, 30, 2019-2029.	2.9	31
27	Habitual coffee drinkers display a distinct pattern of brain functional connectivity. <i>Molecular Psychiatry</i> , 2021, 26, 6589-6598.	7.9	31
28	Rapid encoding of musical tones discovered in whole-brain connectivity. <i>NeuroImage</i> , 2021, 245, 118735.	4.2	30
29	Novel fingerprinting method characterises the necessary and sufficient structural connectivity from deep brain stimulation electrodes for a successful outcome. <i>New Journal of Physics</i> , 2015, 17, 015001.	2.9	24
30	Disrupted brain structural connectivity in Pediatric Bipolar Disorder with psychosis. <i>Scientific Reports</i> , 2019, 9, 13638.	3.3	22
31	Transient brain networks underlying interpersonal strategies during synchronized action. <i>Social Cognitive and Affective Neuroscience</i> , 2021, 16, 19-30.	3.0	22
32	Computational Models in Electroencephalography. <i>Brain Topography</i> , 2022, 35, 142-161.	1.8	19
33	Understanding brain states across spacetime informed by whole-brain modelling. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022, 380, .	3.4	19
34	Evidence from a rare case study for Hebbian-like changes in structural connectivity induced by long-term deep brain stimulation. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 167.	2.0	18
35	Increased Excursions to Functional Networks in Schizophrenia in the Absence of Task. <i>Frontiers in Neuroscience</i> , 2022, 16, 821179.	2.8	17
36	Metastability, fractal scaling, and synergistic information processing: What phase relationships reveal about intrinsic brain activity. <i>NeuroImage</i> , 2022, 259, 119433.	4.2	14

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37	Effects of visual attention modulation on dynamic functional connectivity during own-face viewing in body dysmorphic disorder. <i>Neuropsychopharmacology</i> , 2021, 46, 2030-2038.	5.4	10
38	May the 4C's be with you: an overview of complexity-inspired frameworks for analysing resting-state neuroimaging data. <i>Journal of the Royal Society Interface</i> , 2022, 19, .	3.4	9
39	On a Quantitative Approach to Clinical Neuroscience in Psychiatry: Lessons from the Kuramoto Model. <i>Harvard Review of Psychiatry</i> , 2021, 29, 318-326.	2.1	5
40	Spatiotemporally flexible subnetworks reveal the quasi-cyclic nature of integration and segregation in the human brain. <i>NeuroImage</i> , 2021, 239, 118287.	4.2	5
41	Simulated functional networks in health and schizophrenia: a graph theoretical approach. <i>BMC Neuroscience</i> , 2011, 12, .	1.9	3
42	Detection of Cross-Frequency Coupling Between Brain Areas: An Extension of Phase Linearity Measurement. <i>Frontiers in Neuroscience</i> , 2022, 16, 846623.	2.8	2
43	Disrupted connectivity in schizophrenia: modelling the impact of structural connectivity changes on the dynamics of spontaneous functional networks. <i>BMC Neuroscience</i> , 2013, 14, .	1.9	1
44	Inter-cortical time delays shape the brain in dynamical networks during rest. <i>BMC Neuroscience</i> , 2009, 10, .	1.9	0
45	Spontaneous Activity, <i>Models of.</i> , 2014, , 1-5.		0
46	Spontaneous Activity, <i>Models of.</i> , 2015, , 2854-2858.		0
47	Mechanisms of the non-linear interactions between the neuronal and neurotransmitter systems explained by causal whole-brain modeling. , 2019, , .		0
48	Editorial: From Structure to Function in Neuronal Networks: Effects of Adaptation, Time-Delays, and Noise. <i>Frontiers in Systems Neuroscience</i> , 2022, 16, 871165.	2.5	0
49	Spontaneous Activity, <i>Models of.</i> , 2022, , 3289-3293.		0