Joana Cabral

List of Publications by Year
in descending order

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	Computational Models in Electroencephalography. Brain Topography, 2022, 35, 142-161.	1.8	19
2	Increased Excursions to Functional Networks in Schizophrenia in the Absence of Task. Frontiers in Neuroscience, 2022, 16, 821179.	2.8	17
3	Editorial: From Structure to Function in Neuronal Networks: Effects of Adaptation, Time-Delays, and Noise. Frontiers in Systems Neuroscience, 2022, 16, 871165.	2.5	0
4	Detection of Cross-Frequency Coupling Between Brain Areas: An Extension of Phase Linearity Measurement. Frontiers in Neuroscience, 2022, 16, 846623.	2.8	2
5	Understanding brain states across spacetime informed by whole-brain modelling. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, .	3.4	19
6	Spontaneous Activity, Models of. , 2022, , 3289-3293.		0
7	May the 4C's be with you: an overview of complexity-inspired frameworks for analysing resting-state neuroimaging data. Journal of the Royal Society Interface, 2022, 19, .	3.4	9
8	Metastable oscillatory modes emerge from synchronization in the brain spacetime connectome. Communications Physics, 2022, 5, .	5.3	37
9	Metastability, fractal scaling, and synergistic information processing: What phase relationships reveal about intrinsic brain activity. NeuroImage, 2022, 259, 119433.	4.2	14
10	Transient brain networks underlying interpersonal strategies during synchronized action. Social Cognitive and Affective Neuroscience, 2021, 16, 19-30.	3.0	22
11	Habitual coffee drinkers display a distinct pattern of brain functional connectivity. Molecular Psychiatry, 2021, 26, 6589-6598.	7.9	31
12	Computational models link cellular mechanisms of neuromodulation to large-scale neural dynamics. Nature Neuroscience, 2021, 24, 765-776.	14.8	109
13	Effects of visual attention modulation on dynamic functional connectivity during own-face viewing in body dysmorphic disorder. Neuropsychopharmacology, 2021, 46, 2030-2038.	5.4	10
14	On a Quantitative Approach to Clinical Neuroscience in Psychiatry: Lessons from the Kuramoto Model. Harvard Review of Psychiatry, 2021, 29, 318-326.	2.1	5
15	Spatiotemporally flexible subnetworks reveal the quasi-cyclic nature of integration and segregation in the human brain. NeuroImage, 2021, 239, 118287.	4.2	5
16	Rapid encoding of musical tones discovered in whole-brain connectivity. NeuroImage, 2021, 245, 118735.	4.2	30
17	The Dynamics of Functional Brain Networks Associated With Depressive Symptoms in a Nonclinical Sample. Frontiers in Neural Circuits, 2020, 14, 570583.	2.8	34
18	Trait self-reflectiveness relates to time-varying dynamics of resting state functional connectivity and underlying structural connectomes: Role of the default mode network. NeuroImage, 2020, 219, 116896.	4.2	33

#	ARTICLE	IF	CITATIONS
19	The Power of Smiling: The Adult Brain Networks Underlying Learned Infant Emotionality. Cerebral Cortex, 2020, 30, 2019-2029.	2.9	31
20	Dynamic coupling of whole-brain neuronal and neurotransmitter systems. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9566-9576.	7.1	173
21	Ghost Attractors in Spontaneous Brain Activity: Recurrent Excursions Into Functionally-Relevant BOLD Phase-Locking States. Frontiers in Systems Neuroscience, 2020, 14, 20.	2.5	75
22	A Kuramoto model of self-other integration across interpersonal synchronization strategies. PLoS Computational Biology, 2019, 15, e1007422.	3.2	62
23	Awakening: Predicting external stimulation to force transitions between different brain states. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18088-18097.	7.1	176
24	Disrupted brain structural connectivity in Pediatric Bipolar Disorder with psychosis. Scientific Reports, 2019, 9, 13638.	3.3	22
25	Dynamical exploration of the repertoire of brain networks at rest is modulated by psilocybin. NeuroImage, 2019, 199, 127-142.	4.2	152
26	Discovery of key whole-brain transitions and dynamics during human wakefulness and non-REM sleep. Nature Communications, 2019, 10, 1035.	12.8	148
27	Altered ability to access a clinically relevant control network in patients remitted from major depressive disorder. Human Brain Mapping, 2019, 40, 2771-2786.	3.6	76
28	Mechanisms of the non-linear interactions between the neuronal and neurotransmitter systems explained by causal whole-brain modeling. , 2019, , .		0
29	Perturbation of whole-brain dynamics in silico reveals mechanistic differences between brain states. NeuroImage, 2018, 169, 46-56.	4.2	83
30	Whole-Brain Multimodal Neuroimaging Model Using Serotonin Receptor Maps Explains Non-linear Functional Effects of LSD. Current Biology, 2018, 28, 3065-3074.e6.	3.9	159
31	Functional connectivity dynamically evolves on multiple time-scales over a static structural connectome: Models and mechanisms. NeuroImage, 2017, 160, 84-96.	4.2	319
32	Single or multiple frequency generators in on-going brain activity: A mechanistic whole-brain model of empirical MEG data. NeuroImage, 2017, 152, 538-550.	4.2	165
33	Uncovering the underlying mechanisms and whole-brain dynamics of deep brain stimulation for Parkinsonâ€™s disease. Scientific Reports, 2017, 7, 9882.	3.3	79
34	Cognitive performance in healthy older adults relates to spontaneous switching between states of functional connectivity during rest. Scientific Reports, 2017, 7, 5135.	3.3	257
35	Evidence from a rare case study for Hebbian-like changes in structural connectivity induced by long-term deep brain stimulation. Frontiers in Behavioral Neuroscience, 2015, 9, 167.	2.0	18
36	Effects of lesions on synchrony and metastability in cortical networks. NeuroImage, 2015, 118, 456-467.	4.2	106

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37	Novel fingerprinting method characterises the necessary and sufficient structural connectivity from deep brain stimulation electrodes for a successful outcome. New Journal of Physics, 2015, 17, 015001.	2.9	24
38	Spontaneous Activity, Models of. , 2015, , 2854-2858.		0
39	Neural Plasticity in Human Brain Connectivity: The Effects of Long Term Deep Brain Stimulation of the Subthalamic Nucleus in Parkinsonâ€™s Disease. PLoS ONE, 2014, 9, e86496.	2.5	95
40	Exploring the network dynamics underlying brain activity during rest. Progress in Neurobiology, 2014, 114, 102-131.	5.7	309
41	Exploring mechanisms of spontaneous functional connectivity in MEG: How delayed network interactions lead to structured amplitude envelopes of band-pass filtered oscillations. NeuroImage, 2014, 90, 423-435.	4.2	287
42	Spontaneous Activity, Models of. , 2014, , 1-5.		0
43	Disrupted connectivity in schizophrenia: modelling the impact of structural connectivity changes on the dynamics of spontaneous functional networks. BMC Neuroscience, 2013, 14, .	1.9	1
44	Structural connectivity in schizophrenia and its impact on the dynamics of spontaneous functional networks. Chaos, 2013, 23, 046111.	2.5	60
45	Functional Graph Alterations in Schizophrenia: A Result from a Global Anatomic Decoupling?. Pharmacopsychiatry, 2012, 45, S57-S64.	3.3	36
46	Modeling the outcome of structural disconnection on resting-state functional connectivity. NeuroImage, 2012, 62, 1342-1353.	4.2	169
47	Role of local network oscillations in resting-state functional connectivity. NeuroImage, 2011, 57, 130-139.	4.2	467
48	Simulated functional networks in health and schizophrenia: a graph theoretical approach. BMC Neuroscience, 2011, 12, .	1.9	3
49	Inter-cortical time delays shape the brain in dynamical networks during rest. BMC Neuroscience, 2009, 10, .	1.9	0