JoaquÃn GoÃ±i

List of Publications by Year
in descending order

69 papers	**5,430** citations

172457

29 h-index	

110387

64 g-index

71 all docs	**71** docs citations	**71** times ranked	**6990** citing authors

#	Article	IF	Citations
1	Changes in structural and functional connectivity among resting-state networks across the human lifespan. NeuroImage, 2014, 102, 345-357.	4.2	696
2	High-cost, high-capacity backbone for global brain communication. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11372-11377.	7.1	686
3	Abnormal Rich Club Organization and Functional Brain Dynamics in Schizophrenia. JAMA Psychiatry, 2013, 70, 783.	11.0	594
4	Resting-brain functional connectivity predicted by analytic measures of network communication. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 833-838.	7.1	530
5	Cooperative and Competitive Spreading Dynamics on the Human Connectome. Neuron, 2015, 86, 1518-1529.	8.1	309
6	Generative models of the human connectome. NeuroImage, 2016, 124, 1054-1064.	4.2	259
7	The quest for identifiability in human functional connectomes. Scientific Reports, 2018, 8, 8254.	3.3	184
8	Exploring the Morphospace of Communication Efficiency in Complex Networks. PLoS ONE, 2013, 8, e58070.	2.5	131
9	On the origins of hierarchy in complex networks. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13316-13321.	7.1	125
10	Mapping the functional connectome traits of levels of consciousness. NeuroImage, 2017, 148, 201-211.	4.2	109
11	Multi-scale community organization of the human structural connectome and its relationship with resting-state functional connectivity. Network Science, 2013, 1, 353-373.	1.0	104
12	Fractal dimension and white matter changes in multiple sclerosis. NeuroImage, 2007, 36, 543-549.	4.2	102
13	Mapping higher-order relations between brain structure and function with embedded vector representations of connectomes. Nature Communications, 2018, 9, 2178.	12.8	95
14	Contribution of White Matter Lesions to Gray Matter Atrophy in Multiple Sclerosis. Archives of Neurology, 2009, 66, 173-9.	4.5	94
15	A Network Convergence Zone in the Hippocampus. PLoS Computational Biology, 2014, 10, e1003982.	3.2	89
16	The semantic organization of the animal category: evidence from semantic verbal fluency and network theory. Cognitive Processing, 2011, 12, 183-196.	1.4	87
17	Fractal dimension analysis of grey matter in multiple sclerosis. Journal of the Neurological Sciences, 2009, 282, 67-71.	0.6	83
18	Mapping the brain pathways of declarative verbal memory: Evidence from white matter lesions in the living human brain. NeuroImage, 2008, 42, 1237-1243.	4.2	82

#	ARTICLE	IF	CITATIONS
19	Path ensembles and a tradeoff between communication efficiency and resilience in the human connectome. Brain Structure and Function, 2017, 222, 603-618.	2.3	77
20	Mapping hybrid functional-structural connectivity traits in the human connectome. Network Neuroscience, 2018, 2, 306-322.	2.6	58
21	Nodal centrality of functional network in the differentiation of schizophrenia. Schizophrenia Research, 2015, 168, 345-352.	2.0	57
22	Cognitive complaints in older adults at risk for Alzheimer's disease are associated with altered resting€state networks. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2017, 6, 40-49.	2.4	52
23	Resting state network modularity along the prodromal late onset Alzheimer's disease continuum. NeuroImage: Clinical, 2019, 22, 101687.	2.7	51
24	Using Pareto optimality to explore the topology and dynamics of the human connectome. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130530.	4.0	50
25	Brain pathways of verbal working memory. NeuroImage, 2009, 47, 773-778.	4.2	45
26	Allele-Specific Gene Expression Is Widespread Across the Genome and Biological Processes. PLoS ONE, 2009, 4, e4150.	2.5	44
27	The Structural and Functional Connectome and Prediction of Risk for Cognitive Impairment in Older Adults. Current Behavioral Neuroscience Reports, 2015, 2, 234-245.	1.3	41
28	Uncovering multi-site identifiability based on resting-state functional connectomes. NeuroImage, 2019, 202, 115967.	4.2	41
29	Lexical access changes in patients with multiple sclerosis: A two-year follow-up study. Journal of Clinical and Experimental Neuropsychology, 2011, 33, 169-175.	1.3	40
30	Robust estimation of fractal measures for characterizing the structural complexity of the human brain: Optimization and reproducibility. NeuroImage, 2013, 83, 646-657.	4.2	32
31	A New Kinetic Framework for Synaptic Vesicle Trafficking Tested in Synapsin Knock-Outs. Journal of Neuroscience, 2011, 31, 11563-11577.	3.6	31
32	Functional network connectivity in early-stage schizophrenia. Schizophrenia Research, 2020, 218, 107-115.	2.0	31
33	Centralized and distributed cognitive task processing in the human connectome. Network Neuroscience, 2019, 3, 455-474.	2.6	30
34	GEFF: Graph embedding for functional fingerprinting. NeuroImage, 2020, 221, 117181.	4.2	28
35	Aberrations of anterior insular cortex functional connectivity in nontreatment-seeking alcoholics. Psychiatry Research - Neuroimaging, 2019, 284, 21-28.	1.8	25
36	SWITCHER-RANDOM-WALKS: A COGNITIVE-INSPIRED MECHANISM FOR NETWORK EXPLORATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 913-922.	1.7	23

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37	The Neural Substrate and Functional Integration of Uncertainty in Decision Making: An Information Theory Approach. PLoS ONE, 2011, 6, e17408.	2.5	22
38	Positive Connectivity Predicts the Dynamic Intrinsic Topology of the Human Brain Network. Frontiers in Systems Neuroscience, 2018, 12, 38.	2.5	22
39	Dopaminergic modulation of the trade-off between probability and time in economic decision-making. European Neuropsychopharmacology, 2015, 25, 817-827.	0.7	19
40	Selective Brain Gray Matter Atrophy Associated with APOE Îµ4 and MAPT H1 in Subjects with Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2013, 33, 1009-1019.	2.6	18
41	Optimizing differential identifiability improves connectome predictive modeling of cognitive deficits from functional connectivity in Alzheimer's disease. Human Brain Mapping, 2021, 42, 3500-3516.	3.6	18
42	The disengaging brain: Dynamic transitions from cognitive engagement and alcoholism risk. NeuroImage, 2020, 209, 116515.	4.2	16
43	Multi-timescale hybrid components of the functional brain connectome: A bimodal EEG-fMRI decomposition. Network Neuroscience, 2020, 4, 658-677.	2.6	15
44	Uncovering differential identifiability in network properties of human brain functional connectomes. Network Neuroscience, 2020, 4, 698-713.	2.6	15
45	Toward an information theoretical description of communication in brain networks. Network Neuroscience, 2021, 5, 1-20.	2.6	15
46	Geodesic Distance on Optimally Regularized Functional Connectomes Uncovers Individual Fingerprints. Brain Connectivity, 2021, 11, 333-348.	1.7	15
47	Age gene expression and coexpression progressive signatures in peripheral blood leukocytes. Experimental Gerontology, 2015, 72, 50-56.	2.8	14
48	Editorial: On the relation of dynamics and structure in brain networks. Chaos, 2017, 27, 047201.	2.5	12
49	Differences in White Matter Microstructure and Connectivity in Nontreatmentâ€Seeking Individuals with Alcohol Use Disorder. Alcoholism: Clinical and Experimental Research, 2018, 42, 889-896.	2.4	12
50	Multi-scale integration and predictability in resting state brain activity. Frontiers in Neuroinformatics, 2014, 8, 66.	2.5	11
51	Modeling Communication Processes in the Human Connectome through Cooperative Learning. IEEE Transactions on Network Science and Engineering, 2020, 7, 476-488.	6.4	11
52	Predicting Relapsing-Remitting Dynamics in Multiple Sclerosis Using Discrete Distribution Models: A Population Approach. PLoS ONE, 2013, 8, e73361.	2.5	10
53	Heritability Estimation of Reliable Connectomic Features. Lecture Notes in Computer Science, 2018, 11083, 58-66.	1.3	8
54	Brain Connectivity-Informed Regularization Methods for Regression. Statistics in Biosciences, 2019, 11, 47-90.	1.2	7

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55	Brain-wide structural connectivity alterations under the control of Alzheimer risk genes. International Journal of Computational Biology and Drug Design, 2020, 13, 58.	0.3	7
56	HLAâ€ÐR2 and White Matter Lesion Distribution in MS. Journal of Neuroimaging, 2008, 18, 328-331.	2.0	6
57	Topological reversibility and causality in feed-forward networks. New Journal of Physics, 2010, 12, 113051.	2.9	6
58	Brain-wide structural connectivity alterations under the control of Alzheimer risk genes. International Journal of Computational Biology and Drug Design, 2020, 13, 58.	0.3	6
59	A morphospace of functional configuration to assess configural breadth based on brain functional networks. Network Neuroscience, 2021, 5, 666-688.	2.6	5
60	Brain explorer for connectomic analysis. Brain Informatics, 2017, 4, 253-269.	3.0	4
61	Joint exploration and mining of memory-relevant brain anatomic and connectomic patterns via a three-way association model. , 2018, 2018, 6-9.		4
62	Integrated Visualization of Human Brain Connectome Data. Lecture Notes in Computer Science, 2015, 9250, 295-305.	1.3	4
63	A Structural Connectivity Disruption One Decade before the Typical Age for Dementia: A Study in Healthy Subjects with Family History of Alzheimerâ€™s Disease. Cerebral Cortex Communications, 2021, 2, tgab051.	1.6	3
64	IC-03-03: Cognitive Complaints in Older Adults at Risk For Alzheimerâ€™s Disease are Associated with Altered Resting State Networks. , 2016, 12, P10-P11.		2
65	Semiparametric Estimation of Task-Based Dynamic Functional Connectivity on the Population Level. Frontiers in Neuroscience, 2019, 13, 583.	2.8	2
66	Connectivityâ€‹informed adaptive regularization for generalized outcomes. Canadian Journal of Statistics, 2021, 49, 203-227.	0.9	1
67	Improving Functional Connectome Fingerprinting with Degree-Normalization. Brain Connectivity, 2021, , .	1.7	1
68	P3-134: Association of eye disease with increased diffusivity in the sagittal stratum. , 2015, 11, P675-P675.		0
69	IC-P-036: Association of eye disease with increased diffusivity in the sagittal stratum. , 2015, 11, P33-P33.		0