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List of Publications by Year
in descending order

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Version: 2024-02-01

59	6,652	117625	138484
papers	citations	34 h-index	58 g-index

77	77	77	8311
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Atlas of lesion locations and postsurgical seizure freedom in focal cortical dysplasia: A MELD study. Epilepsia, 2022, 63, 61-74.	5.1	36
2	Sexually divergent development of depression-related brain networks during healthy human adolescence. Science Advances, 2022, 8, .	10.3	14
3	A generative network model of neurodevelopmental diversity in structural brain organization. Nature Communications, 2021, 12, 4216.	12.8	34
4	Organizing principles of the C.Âelegans contactome. Cell Systems, 2021, 12, 689-691.	6.2	0
5	Natural Language Processing markers in first episode psychosis and people at clinical high-risk. Translational Psychiatry, 2021, 11, 630.	4.8	28
6	Schizotypy-Related Magnetization of Cortex in Healthy Adolescence Is Colocated With Expression of Schizophrenia-Related Genes. Biological Psychiatry, 2020, 88, 248-259.	1.3	59
7	Multiple Holdouts With Stability: Improving the Generalizability of Machine Learning Analyses of Brainâ€“Behavior Relationships. Biological Psychiatry, 2020, 87, 368-376.	1.3	32
8	Compulsivity is linked to reduced adolescent development of goal-directed control and frontostriatal functional connectivity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25911-25922.	7.1	23
9	Major Depressive Disorder Is Associated With Differential Expression of Innate Immune and Neutrophil-Related Gene Networks in Peripheral Blood: A Quantitative Review of Whole-Genome Transcriptional Data From Case-Control Studies. Biological Psychiatry, 2020, 88, 625-637.	1.3	43
10	Conservative and disruptive modes of adolescent change in human brain functional connectivity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3248-3253.	7.1	96
11	Transcriptomic and cellular decoding of regional brain vulnerability to neurogenetic disorders. Nature Communications, 2020, 11, 3358.	12.8	141
12	Reinforcement learning as an intermediate phenotype in psychosis? Deficits sensitive to illness stage but not associated with polygenic risk of schizophrenia in the general population. Schizophrenia Research, 2020, 222, 389-396.	2.0	16
13	Multi-subject Stochastic Blockmodels for adaptive analysis of individual differences in human brain network cluster structure. NeuroImage, 2020, 220, 116611.	4.2	7
14	Brain-behaviour modes of covariation in healthy and clinically depressed young people. Scientific Reports, 2019, 9, 11536.	3.3	31
15	Brain Networks Reveal the Effects of Antipsychotic Drugs on Schizophrenia Patients and Controls. Frontiers in Psychiatry, 2019, 10, 611.	2.6	7
16	Cortical patterning of abnormal morphometric similarity in psychosis is associated with brain expression of schizophrenia-related genes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9604-9609.	7.1	200
17	Using fMRI connectivity to define a treatment-resistant form of post-traumatic stress disorder. Science Translational Medicine, 2019, 11, .	12.4	65
18	Towards a natural history of schizophrenia. Brain, 2019, 142, 3669-3671.	7.6	2

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19	Multimodal imaging of brain connectivity reveals predictors of individual decision strategy in statistical learning. Nature Human Behaviour, 2019, 3, 297-307.	12.0	24
20	Waves of Maturation and Senescence in Micro-structural MRI Markers of Human Cortical Myelination over the Lifespan. Cerebral Cortex, 2019, 29, 1369-1381.	2.9	91
21	Shifts in myeloarchitecture characterise adolescent development of cortical gradients. ELife, 2019, 8, .	6.0	97
22	Low-dimensional morphospace of topological motifs in human fMRI brain networks. Network Neuroscience, 2018, 2, 285-302.	2.6	20
23	Morphometric Similarity Networks Detect Microscale Cortical Organization and Predict Inter-Individual Cognitive Variation. Neuron, 2018, 97, 231-247.e7.	8.1	307
24	Structural covariance networks are coupled to expression of genes enriched in supragranular layers of the human cortex. NeuroImage, 2018, 171, 256-267.	4.2	177
25	Adolescent Tuning of Association Cortex in Human Structural Brain Networks. Cerebral Cortex, 2018, 28, 281-294.	2.9	195
26	A Network Neuroscience Approach to Typical and Atypical Brain Development. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 754-766.	1.5	39
27	Replicable and Coupled Changes in Innate and Adaptive Immune Gene Expression in Two Case-Control Studies of Blood Microarrays in Major Depressive Disorder. Biological Psychiatry, 2018, 83, 70-80.	1.3	158
28	Caenorhabditis elegans and the network control frameworkâ€”FAQs. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170372.	4.0	23
29	Network control principles predict neuron function in the Caenorhabditis elegans connectome. Nature, 2017, 550, 519-523.	27.8	279
30	Recordings of Caenorhabditis elegans locomotor behaviour following targeted ablation of single motorneurons. Scientific Data, 2017, 4, 170156.	5.3	14
31	Repeated exposure to systemic inflammation and risk of new depressive symptoms among older adults. Translational Psychiatry, 2017, 7, e1208-e1208.	4.8	48
32	Versatility of nodal affiliation to communities. Scientific Reports, 2017, 7, 4273.	3.3	21
33	Specific Frontostriatal Circuits for Impaired Cognitive Flexibility and Goal-Directed Planning in Obsessive-Compulsive Disorder: Evidence From Resting-State Functional Connectivity. Biological Psychiatry, 2017, 81, 708-717.	1.3	214
34	Gene transcription profiles associated with inter-modular hubs and connection distance in human functional magnetic resonance imaging networks. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150362.	4.0	188
35	Regional expression of the MAPT gene is associated with loss of hubs in brain networks and cognitive impairment in Parkinson disease and progressive supranuclear palsy. Neurobiology of Aging, 2016, 48, 153-160.	3.1	79
36	Adolescence is associated with genomically patterned consolidation of the hubs of the human brain connectome. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9105-9110.	7.1	415

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37	Generative models of the human connectome. NeuroImage, 2016, 124, 1054-1064.	4.2	259
38	Large-Scale Functional Brain Network Reorganization During Taoist Meditation. Brain Connectivity, 2016, 6, 9-24.	1.7	19
39	The Multilayer Connectome of Caenorhabditis elegans. PLoS Computational Biology, 2016, 12, e1005283.	3.2	170
40	Peripheral Immune Cell Populations Associated with Cognitive Deficits and Negative Symptoms of Treatment-Resistant Schizophrenia. PLoS ONE, 2016, 11, e0155631.	2.5	79
41	Annual Research Review: Growth connectomics â€“ the organization and reorganization of brain networks during normal and abnormal development. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2015, 56, 299-320.	5.2	173
42	Stochastic Blockmodeling of the Modules and Core of the Caenorhabditis elegans Connectome. PLoS ONE, 2014, 9, e97584.	2.5	59
43	A wavelet method for modeling and despiking motion artifacts from resting-state fMRI time series. NeuroImage, 2014, 95, 287-304.	4.2	336
44	Generative models of rich clubs in Hebbian neuronal networks and large-scale human brain networks. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130531.	4.0	42
45	A Unifying Framework for Measuring Weighted Rich Clubs. Scientific Reports, 2014, 4, 7258.	3.3	61
46	From Lichtheim to Rich Club. JAMA Psychiatry, 2013, 70, 780.	11.0	14
47	The Anatomical Distance of Functional Connections Predicts Brain Network Topology in Health and Schizophrenia. Cerebral Cortex, 2013, 23, 127-138.	2.9	283
48	Volitional eyes opening perturbs brain dynamics and functional connectivity regardless of light input. NeuroImage, 2013, 69, 21-34.	4.2	99
49	The Rich Club of theC. elegansNeuronal Connectome. Journal of Neuroscience, 2013, 33, 6380-6387.	3.6	265
50	Phase transition in the economically modeled growth of a cellular nervous system. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7880-7885.	7.1	67
51	Cognitive relevance of the community structure of the human brain functional coactivation network. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11583-11588.	7.1	422
52	Integrated strategy for improving functional connectivity mapping using multiecho fMRI. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16187-16192.	7.1	342
53	Centrality Clubs and Concepts of the Core: Decoding the Communicative Organisation of the Brain. Springer Proceedings in Complexity, 2013, , 497-501.	0.3	0
54	Hubs of brain functional networks are radically reorganized in comatose patients. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20608-20613.	7.1	269

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55	Fast reconfiguration of high-frequency brain networks in response to surprising changes in auditory input. Journal of Neurophysiology, 2012, 107, 1421-1430.	1.8	36
56	Simple models of human brain functional networks. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5868-5873.	7.1	303
57	Topological isomorphisms of human brain and financial market networks. Frontiers in Systems Neuroscience, 2011, 5, 75.	2.5	12
58	Scale-free statistics of neuronal assemblies predict learning performance. BMC Neuroscience, 2011, 12, .	1.9	1
59	Effect of network topology on neuronal encoding based on spatiotemporal patterns of spikes. HFSP Journal, 2010, 4, 153-163.	2.5	14