Rafael Romero-Garcia

List of Publications by Year
in descending order

57	3,235	257450 24	206112 48
papers	citations	h-index	g-index

87	87	87	3711
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Memory recovery in relation to default mode network impairment and neurite density during brain tumor treatment. Journal of Neurosurgery, 2022, 136, 358-368.	1.6	6
2	Connectivityâ€based parcellation of normal and anatomically distorted human cerebral cortex. Human Brain Mapping, 2022, 43, 1358-1369.	3.6	30
3	Interventional neurorehabilitation for promoting functional recovery post-craniotomy: a proof-of-concept. Scientific Reports, 2022, 12, 3039.	3.3	18
4	Assessment of neuropsychological function in brain tumor treatment: a comparison of traditional neuropsychological assessment with app-based cognitive screening. Acta Neurochirurgica, 2022, 164, 2021-2034.	1.7	6
5	A deep graph neural network architecture for modelling spatio-temporal dynamics in resting-state functional MRI data. Medical Image Analysis, 2022, 79, 102471.	11.6	20
6	Sexually divergent development of depression-related brain networks during healthy human adolescence. Science Advances, 2022, 8, .	10.3	14
7	Adolescent development of multiscale structural wiring and functional interactions in the human connectome. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	18
8	Statistical Agnostic Mapping: A framework in neuroimaging based on concentration inequalities. Information Fusion, 2021, 66, 198-212.	19.1	19
9	Intraoperative mapping of executive function using electrocorticography for patients with low-grade gliomas. Acta Neurochirurgica, 2021, 163, 1299-1309.	1.7	18
10	Atypical measures of diffusion at the grayâ€white matter boundary in autism spectrum disorder in adulthood. Human Brain Mapping, 2021, 42, 467-484.	3.6	11
11	An expanding manifold in transmodal regions characterizes adolescent reconfiguration of structural connectome organization. ELife, 2021, 10, .	6.0	47
12	In vivo coupling of dendritic complexity with presynaptic density in primary tauopathies. Neurobiology of Aging, 2021, 101, 187-198.	3.1	17
13	Examining the relationship between altered brain functional connectome and disinhibition across 33 impulsive and compulsive behaviours. British Journal of Psychiatry, 2021, , 1-3.	2.8	2
14	Analysis of Fine Motor Skills in Essential Tremor: Combining Neuroimaging and Handwriting Biomarkers for Early Management. Frontiers in Human Neuroscience, 2021, 15, 648573.	2.0	5
15	Decision-making ability, psychopathology, and brain connectivity. Neuron, 2021, 109, 2025-2040.e7.	8.1	34
16	Grey and white matter microstructure is associated with polygenic risk for schizophrenia. Molecular Psychiatry, 2021, 26, 7709-7718.	7.9	37
17	Ten simple rules for aspiring graduate students. PLoS Computational Biology, 2021, 17, e1009276.	3.2	0
18	BOLD Coupling between Lesioned and Healthy Brain Is Associated with Glioma Patientsâ€™ Recovery. Cancers, 2021, 13, 5008.	3.7	8

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19	Lesion covariance networks reveal proposed origins and pathways of diffuse gliomas. Brain Communications, 2021, 3, fcab289.	3.3	11
20	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
21	Multiple Holdouts With Stability: Improving the Generalizability of Machine Learning Analyses of Brainâ€“Behavior Relationships. Biological Psychiatry, 2020, 87, 368-376.	1.3	32
22	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
23	A normative modelling approach reveals age-atypical cortical thickness in a subgroup of males with autism spectrum disorder. Communications Biology, 2020, 3, 486.	4.4	57
24	Genetic, cellular, and connectomic characterization of the brain regions commonly plagued by glioma. Brain, 2020, 143, 3294-3307.	7.6	52
25	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
26	Transcriptomic and cellular decoding of regional brain vulnerability to neurogenetic disorders. Nature Communications, 2020, 11, 3358.	12.8	141
27	Practical Application of Networks in Neurosurgery: Combined 3-Dimensional Printing, Neuronavigation, and Preoperative Surgical Planning. World Neurosurgery, 2020, 137, e126-e137.	1.3	13
28	Connections, Tracts, Fractals, and the Rest: A Working Guide to Network and Connectivity Studies in Neurosurgery. World Neurosurgery, 2020, 140, 389-400.	1.3	6
29	What Is the Link Between Attention-Deficit/Hyperactivity Disorder and Sleep Disturbance? AÂMultimodal Examination of Longitudinal Relationships and Brain Structure Using Large-Scale Population-Based Cohorts. Biological Psychiatry, 2020, 88, 459-469.	1.3	31
30	Effects of choral singing versus health education on cognitive decline and aging: a randomized controlled trial. Aging, 2020, 12, 24798-24816.	3.1	11
31	Rhythmic timing in aging adults: On the role of cognitive functioning and structural brain integrity.. Psychology and Aging, 2020, 35, 1184-1200.	1.6	2
32	NIMG-13. GENETIC, CELLULAR, AND CONNECTOMIC CHARACTERIZATION OF THE ADULT HUMAN BRAIN REGIONS COMMONLY PLAGUED BY GLIOMA. Neuro-Oncology, 2020, 22, ii149-ii149.	1.2	0
33	Global Effects of Focal Brain Tumors on Functional Complexity and Network Robustness: A Prospective Cohort Study. Neurosurgery, 2019, 84, 1201-1213.	1.1	37
34	Brain-behaviour modes of covariation in healthy and clinically depressed young people. Scientific Reports, 2019, 9, 11536.	3.3	31
35	Structural brain network of gifted children has a more integrated and versatile topology. Brain Structure and Function, 2019, 224, 2373-2383.	2.3	31
36	Intraoperative mapping of cognitive control regions in the frontal cortex using electrocorticography. IBRO Reports, 2019, 6, S446.	0.3	0

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37	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
38	Credit assignment to state-independent task representations and its relationship with model-based decision making. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15871-15876.	7.1	46
39	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
40	Synaptic and transcriptionally downregulated genes are associated with cortical thickness differences in autism. Molecular Psychiatry, 2019, 24, 1053-1064.	7.9	135
41	Habitual tea drinking modulates brain efficiency: evidence from brain connectivity evaluation. Aging, 2019, 11, 3876-3890.	3.1	10
42	Shifts in myeloarchitecture characterise adolescent development of cortical gradients. ELife, 2019, 8, .	6.0	97
43	Morphometric Similarity Networks Detect Microscale Cortical Organization and Predict Inter-Individual Cognitive Variation. Neuron, 2018, 97, 231-247.e7.	8.1	307
44	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
45	Adolescent Tuning of Association Cortex in Human Structural Brain Networks. Cerebral Cortex, 2018, 28, 281-294.	2.9	195
46	InÂvivo coupling of tau pathology and cortical thinning in Alzheimer's disease. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2018, 10, 678-687.	2.4	24
47	373. Adolescence is Associated with Genomically Patterned Consolidation of the Hubs of the Human Brain Connectome. Biological Psychiatry, 2017, 81, S152-S153.	1.3	5
48	Structural Covariance Networks in Children with Autism or ADHD. Cerebral Cortex, 2017, 27, 4267-4276.	2.9	87
49	Versatility of nodal affiliation to communities. Scientific Reports, 2017, 7, 4273.	3.3	21
50	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
51	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
52	Different Scales of Cortical Organization are Selectively Targeted in the Progression to Alzheimerâ€™s Disease. International Journal of Neural Systems, 2016, 26, 1650003.	5.2	13
53	Graph theory analysis of complex brain networks: new concepts in brain mapping applied to neurosurgery. Journal of Neurosurgery, 2016, 124, 1665-1678.	1.6	63
54	Sparse and shrunken estimates of MRI networks in the brain and their influence on network properties. Proceedings of SPIE, 2014, , .	0.8	0

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55	Predictors of coupling between structural and functional cortical networks in normal aging. Human Brain Mapping, 2014, 35, 2724-2740.	3.6	26
56	Effects of network resolution on topological properties of human neocortex. NeuroImage, 2012, 59, 3522-3532.	4.2	97
57	Morphometric Similarity Networks Detect Microscale Cortical Organisation and Predict Inter-Individual Cognitive Variation. SSRN Electronic Journal, 0, , .	0.4	1