

Martijn P Van Den Heuvel

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

185
papers

19,253
citations

63
h-index

137
g-index

207
ext. papers

23,834
ext. citations

6.5
avg, IF

7.41
L-index

#	Paper	IF	Citations
185	Exploring the brain network: a review on resting-state fMRI functional connectivity. <i>European Neuropsychopharmacology</i> , 2010 , 20, 519-34	1.2	1915
184	Rich-club organization of the human connectome. <i>Journal of Neuroscience</i> , 2011 , 31, 15775-86	6.6	1492
183	Network hubs in the human brain. <i>Trends in Cognitive Sciences</i> , 2013 , 17, 683-96	14	1173
182	Efficiency of functional brain networks and intellectual performance. <i>Journal of Neuroscience</i> , 2009 , 29, 7619-24	6.6	821
181	Functionally linked resting-state networks reflect the underlying structural connectivity architecture of the human brain. <i>Human Brain Mapping</i> , 2009 , 30, 3127-41	5.9	759
180	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. <i>Brain Imaging and Behavior</i> , 2014 , 8, 153-82	4.1	539
179	High-cost, high-capacity backbone for global brain communication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 11372-7	11.5	505
178	Aberrant frontal and temporal complex network structure in schizophrenia: a graph theoretical analysis. <i>Journal of Neuroscience</i> , 2010 , 30, 15915-26	6.6	504
177	Identification of common variants associated with human hippocampal and intracranial volumes. <i>Nature Genetics</i> , 2012 , 44, 552-61	36.3	498
176	Abnormal rich club organization and functional brain dynamics in schizophrenia. <i>JAMA Psychiatry</i> , 2013 , 70, 783-92	14.5	463
175	Resting-brain functional connectivity predicted by analytic measures of network communication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 833-8	11.5	371
174	Glutamate in schizophrenia: a focused review and meta-analysis of ¹ H-MRS studies. <i>Schizophrenia Bulletin</i> , 2013 , 39, 120-9	1.3	327
173	Normalized cut group clustering of resting-state FMRI data. <i>PLoS ONE</i> , 2008 , 3, e2001	3.7	295
172	Brain networks in schizophrenia. <i>Neuropsychology Review</i> , 2014 , 24, 32-48	7.7	293
171	An anatomical substrate for integration among functional networks in human cortex. <i>Journal of Neuroscience</i> , 2013 , 33, 14489-500	6.6	278
170	Changes in cortical thickness during the course of illness in schizophrenia. <i>Archives of General Psychiatry</i> , 2011 , 68, 871-80		267
169	Microstructural organization of the cingulum tract and the level of default mode functional connectivity. <i>Journal of Neuroscience</i> , 2008 , 28, 10844-51	6.6	258

168	Proportional thresholding in resting-state fMRI functional connectivity networks and consequences for patient-control connectome studies: Issues and recommendations. <i>NeuroImage</i> , 2017 , 152, 437-449	7.9	256
167	The Neonatal Connectome During Preterm Brain Development. <i>Cerebral Cortex</i> , 2015 , 25, 3000-13	5.1	235
166	Comparative Connectomics. <i>Trends in Cognitive Sciences</i> , 2016 , 20, 345-361	14	202
165	Rich club organization of macaque cerebral cortex and its role in network communication. <i>PLoS ONE</i> , 2012 , 7, e46497	3.7	201
164	The parcellation-based connectome: limitations and extensions. <i>NeuroImage</i> , 2013 , 80, 397-404	7.9	198
163	Connectome sensitivity or specificity: which is more important?. <i>NeuroImage</i> , 2016 , 142, 407-420	7.9	184
162	Brain connectivity in neurodegenerative diseases--from phenotype to proteinopathy. <i>Nature Reviews Neurology</i> , 2014 , 10, 620-33	15	183
161	Generative models of the human connectome. <i>NeuroImage</i> , 2016 , 124, 1054-1064	7.9	180
160	Estimating false positives and negatives in brain networks. <i>NeuroImage</i> , 2013 , 70, 402-9	7.9	169
159	Structural and functional aspects relating to cost and benefit of rich club organization in the human cerebral cortex. <i>Cerebral Cortex</i> , 2014 , 24, 2258-67	5.1	169
158	Function of striatum beyond inhibition and execution of motor responses. <i>Human Brain Mapping</i> , 2005 , 25, 336-44	5.9	168
157	A cross-disorder connectome landscape of brain dysconnectivity. <i>Nature Reviews Neuroscience</i> , 2019 , 20, 435-446	13.5	160
156	Region and state specific glutamate downregulation in major depressive disorder: a meta-analysis of (1)H-MRS findings. <i>Neuroscience and Biobehavioral Reviews</i> , 2012 , 36, 198-205	9	157
155	Assessment of system dysfunction in the brain through MRI-based connectomics. <i>Lancet Neurology</i> , 2013 , 12, 1189-99	24.1	155
154	Gradients of structure-function tethering across neocortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 21219-21227	11.5	152
153	ENIGMA and the individual: Predicting factors that affect the brain in 35 countries worldwide. <i>NeuroImage</i> , 2017 , 145, 389-408	7.9	142
152	Impaired rich club connectivity in unaffected siblings of schizophrenia patients. <i>Schizophrenia Bulletin</i> , 2014 , 40, 438-48	1.3	139
151	Sex steroids and connectivity in the human brain: a review of neuroimaging studies. <i>Psychoneuroendocrinology</i> , 2011 , 36, 1101-13	5	137

150	The ontogeny of the human connectome: development and dynamic changes of brain connectivity across the life span. <i>Neuroscientist</i> , 2013 , 19, 616-28	7.6	132
149	Motor network degeneration in amyotrophic lateral sclerosis: a structural and functional connectivity study. <i>PLoS ONE</i> , 2010 , 5, e13664	3.7	132
148	Towards a neuroimaging biomarker for amyotrophic lateral sclerosis. <i>Lancet Neurology</i> , 2011 , 10, 400-3	24.1	129
147	Linking macroscale graph analytical organization to microscale neuroarchitectonics in the macaque connectome. <i>Journal of Neuroscience</i> , 2014 , 34, 12192-205	6.6	115
146	Impaired structural motor connectome in amyotrophic lateral sclerosis. <i>PLoS ONE</i> , 2011 , 6, e24239	3.7	111
145	Rich club organization and intermodule communication in the cat connectome. <i>Journal of Neuroscience</i> , 2013 , 33, 12929-39	6.6	108
144	Connectome Disconnectivity and Cortical Gene Expression in Patients With Schizophrenia. <i>Biological Psychiatry</i> , 2017 , 81, 495-502	7.9	106
143	Cerebral cortical thickness in patients with type 2 diabetes. <i>Journal of the Neurological Sciences</i> , 2010 , 299, 126-30	3.2	105
142	Comparison of diffusion tractography and tract-tracing measures of connectivity strength in rhesus macaque connectome. <i>Human Brain Mapping</i> , 2015 , 36, 3064-75	5.9	100
141	Cardiorespiratory effects on default-mode network activity as measured with fMRI. <i>Human Brain Mapping</i> , 2009 , 30, 3031-42	5.9	98
140	Inversion of a large-scale circuit model reveals a cortical hierarchy in the dynamic resting human brain. <i>Science Advances</i> , 2019 , 5, eaat7854	14.3	97
139	Rich club organization supports a diverse set of functional network configurations. <i>NeuroImage</i> , 2014 , 96, 174-82	7.9	96
138	Genetic control of functional brain network efficiency in children. <i>European Neuropsychopharmacology</i> , 2013 , 23, 19-23	1.2	95
137	Deep learning predictions of survival based on MRI in amyotrophic lateral sclerosis. <i>NeuroImage: Clinical</i> , 2017 , 13, 361-369	5.3	93
136	Exploring the morphospace of communication efficiency in complex networks. <i>PLoS ONE</i> , 2013 , 8, e58070	7.7	93
135	Structural brain network imaging shows expanding disconnection of the motor system in amyotrophic lateral sclerosis. <i>Human Brain Mapping</i> , 2014 , 35, 1351-61	5.9	92
134	Bridging Cytoarchitectonics and Connectomics in Human Cerebral Cortex. <i>Journal of Neuroscience</i> , 2015 , 35, 13943-8	6.6	90
133	Affected Anatomical Rich Club and Structural-Functional Coupling in Young Offspring of Schizophrenia and Bipolar Disorder Patients. <i>Biological Psychiatry</i> , 2017 , 82, 746-755	7.9	82

132	Smaller hippocampal volume as a vulnerability factor for the persistence of post-traumatic stress disorder. <i>Psychological Medicine</i> , 2015 , 45, 2737-46	6.9	78
131	Navigation of brain networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 6297-6302	11.5	76
130	Brain network analysis reveals affected connectome structure in bipolar I disorder. <i>Human Brain Mapping</i> , 2016 , 37, 122-34	5.9	75
129	Correlation between structural and functional connectivity impairment in amyotrophic lateral sclerosis. <i>Human Brain Mapping</i> , 2014 , 35, 4386-95	5.9	74
128	Impaired cerebellar functional connectivity in schizophrenia patients and their healthy siblings. <i>Frontiers in Psychiatry</i> , 2011 , 2, 73	5	74
127	Tract-based analysis of magnetization transfer ratio and diffusion tensor imaging of the frontal and frontotemporal connections in schizophrenia. <i>Schizophrenia Bulletin</i> , 2010 , 36, 778-87	1.3	74
126	Cortical thickness in ALS: towards a marker for upper motor neuron involvement. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015 , 86, 288-94	5.5	71
125	Genetic mapping of cell type specificity for complex traits. <i>Nature Communications</i> , 2019 , 10, 3222	17.4	67
124	Structural Brain Connectome and Cognitive Impairment in Parkinson Disease. <i>Radiology</i> , 2017 , 283, 515-525	5.5	64
123	Disrupted functional brain networks in autistic toddlers. <i>Brain Connectivity</i> , 2013 , 3, 41-9	2.7	64
122	Simulating disease propagation across white matter connectome reveals anatomical substrate for neuropathology staging in amyotrophic lateral sclerosis. <i>NeuroImage</i> , 2016 , 124, 762-769	7.9	63
121	Simulated rich club lesioning in brain networks: a scaffold for communication and integration?. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 647	3.3	63
120	Structure-function relationships during segregated and integrated network states of human brain functional connectivity. <i>Brain Structure and Function</i> , 2018 , 223, 1091-1106	4	62
119	Subcortical structures in amyotrophic lateral sclerosis. <i>Neurobiology of Aging</i> , 2015 , 36, 1075-82	5.6	59
118	On development of functional brain connectivity in the young brain. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 650	3.3	57
117	Specific somatotopic organization of functional connections of the primary motor network during resting state. <i>Human Brain Mapping</i> , 2010 , 31, 631-44	5.9	57
116	Evolutionary expansion of connectivity between multimodal association areas in the human brain compared with chimpanzees. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 7101-7106	11.5	51
115	Functional network topology associated with posttraumatic stress disorder in veterans. <i>NeuroImage: Clinical</i> , 2016 , 10, 302-9	5.3	51

114	Brain morphologic changes in asymptomatic C9orf72 repeat expansion carriers. <i>Neurology</i> , 2015 , 85, 1780-8	6.5	50
113	Associated Microscale Spine Density and Macroscale Connectivity Disruptions in Schizophrenia. <i>Biological Psychiatry</i> , 2016 , 80, 293-301	7.9	50
112	Heritability of structural brain network topology: a DTI study of 156 twins. <i>Human Brain Mapping</i> , 2014 , 35, 5295-305	5.9	50
111	Widespread structural brain involvement in ALS is not limited to the C9orf72 repeat expansion. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016 , 87, 1354-1360	5.5	48
110	Genetic mapping and evolutionary analysis of human-expanded cognitive networks. <i>Nature Communications</i> , 2019 , 10, 4839	17.4	47
109	Aberrant Functional Whole-Brain Network Architecture in Patients With Schizophrenia: A Meta-analysis. <i>Schizophrenia Bulletin</i> , 2016 , 42 Suppl 1, S13-21	1.3	47
108	A spectrum of routing strategies for brain networks. <i>PLoS Computational Biology</i> , 2019 , 15, e1006833	5	45
107	Short fused? associations between white matter connections, sex steroids, and aggression across adolescence. <i>Human Brain Mapping</i> , 2015 , 36, 1043-52	5.9	45
106	Kuramoto model simulation of neural hubs and dynamic synchrony in the human cerebral connectome. <i>BMC Neuroscience</i> , 2015 , 16, 54	3.2	45
105	Sex differences in the relationship between white matter connectivity and creativity. <i>NeuroImage</i> , 2014 , 101, 380-9	7.9	44
104	Structural and functional connectivity in children and adolescents with and without attention deficit/hyperactivity disorder. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2017 , 58, 810-818	7.9	43
103	Global and regional differences in brain anatomy of young children born small for gestational age. <i>PLoS ONE</i> , 2011 , 6, e24116	3.7	43
102	An MRI Von Economo - Koskinas atlas. <i>NeuroImage</i> , 2018 , 170, 249-256	7.9	42
101	Development of the brain's structural network efficiency in early adolescence: A longitudinal DTI twin study. <i>Human Brain Mapping</i> , 2015 , 36, 4938-53	5.9	42
100	Rich Club Organization and Cognitive Performance in Healthy Older Participants. <i>Journal of Cognitive Neuroscience</i> , 2015 , 27, 1801-10	3.1	41
99	An edge-centric perspective on the human connectome: link communities in the brain. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369,	5.8	41
98	The Laplacian spectrum of neural networks. <i>Frontiers in Computational Neuroscience</i> , 2014 , 7, 189	3.5	41
97	The development of brain network architecture. <i>Human Brain Mapping</i> , 2016 , 37, 717-29	5.9	41

96	Individual classification of Alzheimer's disease with diffusion magnetic resonance imaging. <i>NeuroImage</i> , 2017 , 152, 476-481	7.9	40
95	Functional Connectome of the Fetal Brain. <i>Journal of Neuroscience</i> , 2019 , 39, 9716-9724	6.6	40
94	Structural Brain Connectivity as a Genetic Marker for Schizophrenia. <i>JAMA Psychiatry</i> , 2016 , 73, 11-9	14.5	39
93	Linking contemporary high resolution magnetic resonance imaging to the von Economo legacy: A study on the comparison of MRI cortical thickness and histological measurements of cortical structure. <i>Human Brain Mapping</i> , 2015 , 36, 3038-46	5.9	39
92	Fluctuations between high- and low-modularity topology in time-resolved functional connectivity. <i>NeuroImage</i> , 2018 , 180, 406-416	7.9	38
91	Hubs in the human fetal brain network. <i>Developmental Cognitive Neuroscience</i> , 2018 , 30, 108-115	5.5	37
90	Topological organization of connectivity strength in the rat connectome. <i>Brain Structure and Function</i> , 2016 , 221, 1719-36	4	36
89	Connectomics-based structural network alterations in obsessive-compulsive disorder. <i>Translational Psychiatry</i> , 2016 , 6, e882	8.6	36
88	Cortical thickness in individuals with non-clinical and clinical psychotic symptoms. <i>Brain</i> , 2014 , 137, 2664-9	11.2	35
87	Affected connectivity organization of the reward system structure in obesity. <i>NeuroImage</i> , 2015 , 111, 100-6	7.9	34
86	Shared vulnerability for connectome alterations across psychiatric and neurological brain disorders. <i>Nature Human Behaviour</i> , 2019 , 3, 988-998	12.8	32
85	Resting-state functional connectivity in medication-naïve schizophrenia patients with and without auditory verbal hallucinations: A preliminary report. <i>Schizophrenia Research</i> , 2017 , 188, 75-81	3.6	31
84	Multiscale Neuroscience of Psychiatric Disorders. <i>Biological Psychiatry</i> , 2019 , 86, 512-522	7.9	29
83	Rich-club neurocircuitry: function, evolution, and vulnerability. <i>Dialogues in Clinical Neuroscience</i> , 2018 , 20, 121-132	5.7	29
82	Evolutionary modifications in human brain connectivity associated with schizophrenia. <i>Brain</i> , 2019 , 142, 3991-4002	11.2	29
81	FKBP5 modulates the hippocampal connectivity deficits in depression: a study in twins. <i>Brain Imaging and Behavior</i> , 2017 , 11, 62-75	4.1	28
80	Connectome organization is related to longitudinal changes in general functioning, symptoms and IQ in chronic schizophrenia. <i>Schizophrenia Research</i> , 2016 , 173, 166-173	3.6	28
79	White matter maturation in the neonatal brain is predictive of school age cognitive capacities in children born very preterm. <i>Developmental Medicine and Child Neurology</i> , 2017 , 59, 939-946	3.3	28

78	Cortical rich club regions can organize state-dependent functional network formation by engaging in oscillatory behavior. <i>NeuroImage</i> , 2017 , 146, 561-574	7.9	28
77	Graph Metrics of Structural Brain Networks in Individuals with Schizophrenia and Healthy Controls: Group Differences, Relationships with Intelligence, and Genetics. <i>Journal of the International Neuropsychological Society</i> , 2016 , 22, 240-9	3.1	28
76	Glutamate changes in healthy young adulthood. <i>European Neuropsychopharmacology</i> , 2013 , 23, 1484-90	1.2	27
75	Multimodal analysis of cortical chemoarchitecture and macroscale fMRI resting-state functional connectivity. <i>Human Brain Mapping</i> , 2016 , 37, 3103-13	5.9	27
74	A Spotlight on Bridging Microscale and Macroscale Human Brain Architecture. <i>Neuron</i> , 2017 , 93, 1248-1259	5.9	26
73	Multiscale examination of cytoarchitectonic similarity and human brain connectivity. <i>Network Neuroscience</i> , 2019 , 3, 124-137	5.6	26
72	Disturbed grey matter coupling in schizophrenia. <i>European Neuropsychopharmacology</i> , 2013 , 23, 46-54	1.2	25
71	The road ahead in clinical network neuroscience. <i>Network Neuroscience</i> , 2019 , 3, 969-993	5.6	23
70	Multimodal longitudinal study of structural brain involvement in amyotrophic lateral sclerosis. <i>Neurology</i> , 2020 , 94, e2592-e2604	6.5	23
69	Epicentral disruption of structural connectivity in Alzheimer's disease. <i>CNS Neuroscience and Therapeutics</i> , 2015 , 21, 837-45	6.8	23
68	Discordant attributes of structural and functional brain connectivity in a two-layer multiplex network. <i>Scientific Reports</i> , 2019 , 9, 2885	4.9	23
67	Connectome-Based Propagation Model in Amyotrophic Lateral Sclerosis. <i>Annals of Neurology</i> , 2020 , 87, 725-738	9.4	22
66	Cortical chemoarchitecture shapes macroscale effective functional connectivity patterns in macaque cerebral cortex. <i>Human Brain Mapping</i> , 2016 , 37, 1856-65	5.9	20
65	Connectome-Based Patterns of First-Episode Medication-Naïve Patients With Schizophrenia. <i>Schizophrenia Bulletin</i> , 2019 , 45, 1291-1299	1.3	19
64	Patterns of symptom development in patients with motor neuron disease. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2018 , 19, 21-28	3.6	19
63	Connectomics in Schizophrenia: From Early Pioneers to Recent Brain Network Findings. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2016 , 1, 199-208	3.4	19
62	No evidence of microbleeds in ALS patients at 7 Tesla MRI. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2010 , 11, 555-7		19
61	Whole-brain structural connectivity in dyskinetic cerebral palsy and its association with motor and cognitive function. <i>Human Brain Mapping</i> , 2017 , 38, 4594-4612	5.9	18

60	Variation on the dopamine D2 receptor gene (DRD2) is associated with basal ganglia-to-frontal structural connectivity. <i>NeuroImage</i> , 2017 , 155, 473-479	7.9	17
59	Brain connectivity alterations in early psychosis: from clinical to neuroimaging staging. <i>Translational Psychiatry</i> , 2019 , 9, 62	8.6	17
58	Multimodal tract-based analysis in ALS patients at 7T: a specific white matter profile?. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2014 , 15, 84-92	3.6	17
57	Severity of current depression and remission status are associated with structural connectome alterations in major depressive disorder. <i>Molecular Psychiatry</i> , 2020 , 25, 1550-1558	15.1	17
56	Fronto-Parietal gray matter and white matter efficiency differentially predict intelligence in males and females. <i>Human Brain Mapping</i> , 2016 , 37, 4006-4016	5.9	17
55	Task-related effective connectivity reveals that the cortical rich club gates cortex-wide communication. <i>Human Brain Mapping</i> , 2018 , 39, 1246-1262	5.9	17
54	A multisample study of longitudinal changes in brain network architecture in 4-13-year-old children. <i>Human Brain Mapping</i> , 2018 , 39, 157-170	5.9	16
53	Cortical magnetization transfer abnormalities and connectome dysconnectivity in schizophrenia. <i>Schizophrenia Research</i> , 2018 , 192, 172-178	3.6	15
52	The long-term effect of perinatal asphyxia on hippocampal volumes. <i>Pediatric Research</i> , 2019 , 85, 43-49	3.2	15
51	Serotonin and the Brain's Rich Club-Association Between Molecular Genetic Variation on the TPH2 Gene and the Structural Connectome. <i>Cerebral Cortex</i> , 2017 , 27, 2166-2174	5.1	14
50	Abnormal brain wiring as a pathogenetic mechanism in schizophrenia. <i>Biological Psychiatry</i> , 2011 , 70, 1107-8	7.9	14
49	Comparative Primate Connectomics. <i>Brain, Behavior and Evolution</i> , 2018 , 91, 170-179	1.5	14
48	Genome-wide meta-analysis of brain volume identifies genomic loci and genes shared with intelligence. <i>Nature Communications</i> , 2020 , 11, 5606	17.4	12
47	Chasing the dreams of early connectionists. <i>ACS Chemical Neuroscience</i> , 2014 , 5, 491-3	5.7	11
46	An examination of maternal prenatal BMI and human fetal brain development. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2021 , 62, 458-469	7.9	11
45	Topology of genetic associations between regional gray matter volume and intellectual ability: Evidence for a high capacity network. <i>NeuroImage</i> , 2016 , 124, 1044-1053	7.9	10
44	Multi-scale integration and predictability in resting state brain activity. <i>Frontiers in Neuroinformatics</i> , 2014 , 8, 66	3.9	10
43	Tract-based magnetic resonance spectroscopy of the cingulum bundles at 7 T. <i>Human Brain Mapping</i> , 2012 , 33, 1503-11	5.9	10

42	Multimodal Connectomics in Psychiatry: Bridging Scales From Micro to Macro. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018 , 3, 767-776	3.4	9
41	Graph analysis of the anatomical network organization of the hippocampal formation and parahippocampal region in the rat. <i>Brain Structure and Function</i> , 2016 , 221, 1607-21	4	9
40	Exploraci3n de la red cerebral: una revisi3n de la conectividad funcional en la RMf en estado de reposo. <i>Psiquiatria Biologica</i> , 2011 , 18, 28-41	0.2	9
39	Brain activation related to retrosaccades in saccade experiments. <i>NeuroReport</i> , 2005 , 16, 1043-7	1.7	9
38	Network attack simulations in Alzheimer's disease: The link between network tolerance and neurodegeneration 2016 ,		9
37	Cross-sectional and longitudinal assessment of the upper cervical spinal cord in motor neuron disease. <i>NeuroImage: Clinical</i> , 2019 , 24, 101984	5.3	8
36	The human connectome from an evolutionary perspective. <i>Progress in Brain Research</i> , 2019 , 250, 129-151	1.9	8
35	Connection strength of the macaque connectome augments topological and functional network attributes. <i>Network Neuroscience</i> , 2019 , 3, 1051-1069	5.6	7
34	Topography Impacts Topology: Anatomically Central Areas Exhibit a "High-Level Connector" Profile in the Human Cortex. <i>Cerebral Cortex</i> , 2020 , 30, 1357-1365	5.1	7
33	The role of symmetry in neural networks and their Laplacian spectra. <i>NeuroImage</i> , 2016 , 141, 357-365	7.9	7
32	Biological Characteristics of Connection-Wise Resting-State Functional Connectivity Strength. <i>Cerebral Cortex</i> , 2019 , 29, 4646-4653	5.1	6
31	10Kin1day: A Bottom-Up Neuroimaging Initiative. <i>Frontiers in Neurology</i> , 2019 , 10, 425	4.1	6
30	Detailed T1-Weighted Profiles from the Human Cortex Measured in Vivo at 3 Tesla MRI. <i>Neuroinformatics</i> , 2018 , 16, 181-196	3.2	6
29	Early human brain development: insights into macroscale connectome wiring. <i>Pediatric Research</i> , 2018 , 84, 829-836	3.2	6
28	Diffusion MRI data, sulcal anatomy, and tractography for eight species from the Primate Brain Bank. <i>Brain Structure and Function</i> , 2021 , 226, 2497-2509	4	6
27	Consistent altered internal capsule white matter microstructure in insomnia disorder. <i>Sleep</i> , 2020 , 43,	1.1	5
26	The hourglass organization of the Caenorhabditis elegans connectome. <i>PLoS Computational Biology</i> , 2020 , 16, e1007526	5	5
25	Cross-Species Evidence of Interplay Between Neural Connectivity at the Micro- and Macroscale of Connectome Organization in Human, Mouse, and Rat Brain. <i>Brain Connectivity</i> , 2018 , 8, 595-603	2.7	5

24	Relating quantitative 7T MRI across cortical depths to cytoarchitectonics, gene expression and connectomics. <i>Human Brain Mapping</i> , 2021 , 42, 4996-5009	5.9	5
23	Network maps of the human brain's rich club. <i>Network Science</i> , 2013 , 1, 248-250	2.9	4
22	Adaptive frequency-based modeling of whole-brain oscillations: Predicting regional vulnerability and hazardousness rates. <i>Network Neuroscience</i> , 2019 , 3, 1094-1120	5.6	4
21	The mouse brain after foot shock in four dimensions: Temporal dynamics at a single-cell resolution.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	4
20	Statistical testing in transcriptomic-neuroimaging studies: A how-to and evaluation of methods assessing spatial and gene specificity. <i>Human Brain Mapping</i> , 2021 ,	5.9	3
19	Scaling Principles of White Matter Connectivity in the Human and Nonhuman Primate Brain. <i>Cerebral Cortex</i> , 2021 ,	5.1	3
18	No evidence for cerebellar abnormality in adults with developmental dyslexia. <i>Experimental Brain Research</i> , 2018 , 236, 2991-3001	2.3	3
17	Impact of In Utero Exposure to Antiepileptic Drugs on Neonatal Brain Function. <i>Cerebral Cortex</i> , 2021 ,	5.1	3
16	Association Between Genetic Risk for Type 2 Diabetes and Structural Brain Connectivity in Major Depressive Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021 ,	3.4	2
15	Myelo- and cytoarchitectonic microstructural and functional human cortical atlases reconstructed in common MRI space. <i>NeuroImage</i> , 2021 , 239, 118274	7.9	2
14	Alcohol use in emerging adults associated with lower rich-club connectivity and greater connectome network disorganization. <i>Drug and Alcohol Dependence</i> , 2021 , 230, 109198	4.9	1
13	Task-related effective connectivity reveals that the cortical rich club gates cortex-wide communication		1
12	Functional Magnetic Resonance Imaging Connectivity Accurately Distinguishes Cases With Psychotic Disorders From Healthy Controls, Based on Cortical Features Associated With Brain Network Development. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021 , 6, 1125-1134	3.4	1
11	Structural and functional connectivity reconstruction with CATO - A Connectivity Analysis TOolbox		1
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