Andrew Zalesky

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.

209 papers	13,044 citations	53 h-index	112 g-index
236 ext. papers	17,225 ext. citations	6.3 avg, IF	7.08 L-index

#	Paper	IF	Citations
209	Network-based statistic: identifying differences in brain networks. *NeuroImage*, **2010**, 53, 1197-207	7.9	1409
208	The connectomics of brain disorders. *Nature Reviews Neuroscience*, **2015**, 16, 159-72	13.5	882
207	Whole-brain anatomical networks: does the choice of nodes matter?. *NeuroImage*, **2010**, 50, 970-83	7.9	877
206	Schizophrenia, neuroimaging and connectomics. *NeuroImage*, **2012**, 62, 2296-314	7.9	503
205	Time-resolved resting-state brain networks. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 10341-6	11.5	494
204	Graph analysis of the human connectome: promise, progress, and pitfalls. *NeuroImage*, **2013**, 80, 426-44	7.9	493
203	Competitive and cooperative dynamics of large-scale brain functional networks supporting recollection. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 12788-93	11.5	369
202	Disrupted axonal fiber connectivity in schizophrenia. *Biological Psychiatry*, **2011**, 69, 80-9	7.9	363
201	Widespread white matter microstructural differences in schizophrenia across 4322 individuals: results from the ENIGMA Schizophrenia DTI Working Group. *Molecular Psychiatry*, **2018**, 23, 1261-1269	15.1	324
200	Dynamic cooperation and competition between brain systems during cognitive control. *Trends in Cognitive Sciences*, **2013**, 17, 493-501	14	290
199	Network scaling effects in graph analytic studies of human resting-state FMRI data. *Frontiers in Systems Neuroscience*, **2010**, 4, 22	3.5	289
198	On the use of correlation as a measure of network connectivity. *NeuroImage*, **2012**, 60, 2096-106	7.9	286
197	Proportional thresholding in resting-state fMRI functional connectivity networks and consequences for patient-control connectome studies: Issues and recommendations. *NeuroImage*, **2017**, 152, 437-449	7.9	256
196	Genetic influences on cost-efficient organization of human cortical functional networks. *Journal of Neuroscience*, **2011**, 31, 3261-70	6.6	235
195	Effect of long-term cannabis use on axonal fibre connectivity. *Brain*, **2012**, 135, 2245-55	11.2	216
194	General and specific functional connectivity disturbances in first-episode schizophrenia during cognitive control performance. *Biological Psychiatry*, **2011**, 70, 64-72	7.9	211
193	Criticality in the brain: A synthesis of neurobiology, models and cognition. *Progress in Neurobiology*, **2017**, 158, 132-152	10.9	193

192	Connectome sensitivity or specificity: which is more important?. *NeuroImage*, **2016**, 142, 407-420	7.9	184
191	Towards a statistical test for functional connectivity dynamics. *NeuroImage*, **2015**, 114, 466-70	7.9	177
190	Connectivity differences in brain networks. *NeuroImage*, **2012**, 60, 1055-62	7.9	157
189	Building connectomes using diffusion MRI: why, how and but. *NMR in Biomedicine*, **2019**, 32, e3752	4.4	121
188	Accelerated Gray and White Matter Deterioration With Age in Schizophrenia. *American Journal of Psychiatry*, **2017**, 174, 286-295	11.9	117
187	A DTI-derived measure of cortico-cortical connectivity. *IEEE Transactions on Medical Imaging*, **2009**, 28, 1023-36	11.7	112
186	Dwelling quietly in the rich club: brain network determinants of slow cortical fluctuations. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2015**, 370,	5.8	109
185	Altered functional brain connectivity in a non-clinical sample of young adults with attention-deficit/hyperactivity disorder. *Journal of Neuroscience*, **2012**, 32, 17753-61	6.6	106
184	Developmental Changes in Brain Network Hub Connectivity in Late Adolescence. *Journal of Neuroscience*, **2015**, 35, 9078-87	6.6	99
183	Decreased functional brain connectivity in adolescents with internet addiction. *PLoS ONE*, **2013**, 8, e57831	3.7	94
182	Hippocampal harms, protection and recovery following regular cannabis use. *Translational Psychiatry*, **2016**, 6, e710	8.6	90
181	Large-scale brain network dynamics supporting adolescent cognitive control. *Journal of Neuroscience*, **2014**, 34, 14096-107	6.6	86
180	Disruption of structure-function coupling in the schizophrenia connectome. *NeuroImage: Clinical*, **2014**, 4, 779-87	5.3	84
179	Mapping connectomes with diffusion MRI: deterministic or probabilistic tractography?. *Magnetic Resonance in Medicine*, **2019**, 81, 1368-1384	4.4	84
178	Reconfiguration of Brain Network Architectures between Resting-State and Complexity-Dependent Cognitive Reasoning. *Journal of Neuroscience*, **2017**, 37, 8399-8411	6.6	81
177	The relationship between regional and inter-regional functional connectivity deficits in schizophrenia. *Human Brain Mapping*, **2012**, 33, 2535-49	5.9	81
176	Imaging human brain networks to improve the clinical efficacy of non-invasive brain stimulation. *Neuroscience and Biobehavioral Reviews*, **2015**, 57, 187-98	9	80
175	F95. DISRUPTION IN HIPPOCAMPAL-PREFRONTAL WHITE MATTER PATHWAYS AND MEMORY PERFORMANCE ACROSS STAGES OF SCHIZOPHRENIA-SPECTRUM DISORDER. *Schizophrenia Bulletin*, **2019**, 45, S290-S290	1.3	78

174	Are rich club regions masters or slaves of brain network dynamics?. *BMC Neuroscience*, **2015**, 16,	3.2	78
173	S187. EXPLORING NEURODEVELOPMENTAL AND FAMILIAL ORIGINS OF NEUROLOGICAL SOFT SIGNS IN SCHIZOPHRENIA. *Schizophrenia Bulletin*, **2020**, 46, S109-S109	1.3	78
172	O2.3. ABNORMAL BRAIN AGING IN YOUTH WITH SUBCLINICAL PSYCHOSIS AND OBSESSIVE-COMPULSIVE SYMPTOMS. *Schizophrenia Bulletin*, **2020**, 46, S4-S4	1.3	78
171	F158. FUNCTIONAL CONNECTIVITY DIVERSITY OF THE INSULA CORTEX IN SCHIZOPHRENIA: SUBREGIONS OR CONTINUA?. *Schizophrenia Bulletin*, **2018**, 44, S282-S282	1.3	78
170	Navigation of brain networks. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 6297-6302	11.5	76
169	Moderating registration misalignment in voxelwise comparisons of DTI data: a performance evaluation of skeleton projection. *Magnetic Resonance Imaging*, **2011**, 29, 111-25	3.3	75
168	Topographic organization of the human subcortex unveiled with functional connectivity gradients. *Nature Neuroscience*, **2020**, 23, 1421-1432	25.5	74
167	Multilayer network switching rate predicts brain performance. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 13376-13381	11.5	73
166	Fragility and volatility of structural hubs in the human connectome. *Nature Neuroscience*, **2018**, 21, 1107-1116	25.5	68
165	White-matter abnormalities in adolescents with long-term inhalant and cannabis use: a diffusion magnetic resonance imaging study. *Journal of Psychiatry and Neuroscience*, **2010**, 35, 409-12	4.5	67
164	A hierarchy of timescales explains distinct effects of local inhibition of primary visual cortex and frontal eye fields. *ELife*, **2016**, 5,	8.9	65
163	Disrupted brain anatomical connectivity in medication-naïve patients with first-episode schizophrenia. *Brain Structure and Function*, **2015**, 220, 1145-59	4	62
162	Connectomic disturbances in attention-deficit/hyperactivity disorder: a whole-brain tractography analysis. *Biological Psychiatry*, **2014**, 76, 656-63	7.9	62
161	White Matter Disruptions in Schizophrenia Are Spatially Widespread and Topologically Converge on Brain Network Hubs. *Schizophrenia Bulletin*, **2017**, 43, 425-435	1.3	60
160	Complexity in relational processing predicts changes in functional brain network dynamics. *Cerebral Cortex*, **2014**, 24, 2283-96	5.1	59
159	DT-MRI fiber tracking: a shortest paths approach. *IEEE Transactions on Medical Imaging*, **2008**, 27, 1458-71	11.7	59
158	Delayed Development of Brain Connectivity in Adolescents With Schizophrenia and Their Unaffected Siblings. *JAMA Psychiatry*, **2015**, 72, 900-8	14.5	57
157	PET imaging of putative microglial activation in individuals at ultra-high risk for psychosis, recently diagnosed and chronically ill with schizophrenia. *Translational Psychiatry*, **2017**, 7, e1225	8.6	54

156	Gray Matter Abnormalities in Idiopathic Parkinson's Disease: Evaluation by Diffusional Kurtosis Imaging and Neurite Orientation Dispersion and Density Imaging. *Human Brain Mapping*, **2017**, 38, 3704-3722	5.9	53
155	Subgenual Functional Connectivity Predicts Antidepressant Treatment Response to Transcranial Magnetic Stimulation: Independent Validation and Evaluation of Personalization. *Biological Psychiatry*, **2019**, 86, e5-e7	7.9	51
154	Disruption of brain white matter microstructure in women with anorexia nervosa. *Journal of Psychiatry and Neuroscience*, **2014**, 39, 367-75	4.5	51
153	The impact of premorbid and current intellect in schizophrenia: cognitive, symptom, and functional outcomes. *NPJ Schizophrenia*, **2015**, 1, 15043	5.5	49
152	Dissociable effects of local inhibitory and excitatory theta-burst stimulation on large-scale brain dynamics. *Journal of Neurophysiology*, **2015**, 113, 3375-85	3.2	46
151	A neuroimaging biomarker for striatal dysfunction in schizophrenia. *Nature Medicine*, **2020**, 26, 558-565	50.5	45
150	Structural connectivity relates to perinatal factors and functional impairment at 7years in children born very preterm. *NeuroImage*, **2016**, 134, 328-337	7.9	44
149	A longitudinal study investigating sub-threshold symptoms and white matter changes in individuals with an 'at risk mental state'(ARMS). *Schizophrenia Research*, **2015**, 162, 7-13	3.6	43
148	Evidence for Network-Based Cortical Thickness Reductions in Schizophrenia. *American Journal of Psychiatry*, **2019**, 176, 552-563	11.9	42
147	On the relationship between instantaneous phase synchrony and correlation-based sliding windows for time-resolved fMRI connectivity analysis. *NeuroImage*, **2018**, 181, 85-94	7.9	40
146	Interactions between default mode and control networks as a function of increasing cognitive reasoning complexity. *Human Brain Mapping*, **2015**, 36, 2719-31	5.9	38
145	Long-term effects of attentional performance on functional brain network topology. *PLoS ONE*, **2013**, 8, e74125	3.7	36
144	Characterizing the functional connectivity diversity of the insula cortex: Subregions, diversity curves and behavior. *NeuroImage*, **2018**, 183, 716-733	7.9	36
143	Using Brain Imaging to Improve Spatial Targeting of Transcranial Magnetic Stimulation for Depression. *Biological Psychiatry*, **2021**, 90, 689-700	7.9	33
142	Minimum spanning tree analysis of the human connectome. *Human Brain Mapping*, **2018**, 39, 2455-2471	5.9	33
141	Cerebello-cerebral connectivity deficits in Friedreich ataxia. *Brain Structure and Function*, **2014**, 219, 969-81	4	33
140	Vitamin D deficiency is associated with reduced hippocampal volume and disrupted structural connectivity in patients with mild cognitive impairment. *Human Brain Mapping*, **2019**, 40, 394-406	5.9	33
139	Connectome analysis with diffusion MRI in idiopathic Parkinson's disease: Evaluation using multi-shell, multi-tissue, constrained spherical deconvolution. *NeuroImage: Clinical*, **2018**, 17, 518-529	5.3	33

138	COMT genotype affects brain white matter pathways in attention-deficit/hyperactivity disorder. *Human Brain Mapping*, **2015**, 36, 367-77	5.9	31
137	Widespread Volumetric Reductions in Schizophrenia and Schizoaffective Patients Displaying Compromised Cognitive Abilities. *Schizophrenia Bulletin*, **2018**, 44, 560-574	1.3	31
136	Personalized Transcranial Magnetic Stimulation in Psychiatry. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2018**, 3, 731-741	3.4	30
135	OBS contention resolution performance. *Performance Evaluation*, **2007**, 64, 357-373	1.2	30
134	Opportunities and Challenges for Psychiatry in the Connectomic Era. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2017**, 2, 9-19	3.4	29
133	Analysis of OBS Networks With Limited Wavelength Conversion. *IEEE/ACM Transactions on Networking*, **2006**, 14, 1118-1127	3.8	29
132	Investigation of peripheral complement factors across stages of psychosis. *Schizophrenia Research*, **2019**, 204, 30-37	3.6	29
131	Large-scale brain modes reorganize between infant sleep states and carry prognostic information for preterms. *Nature Communications*, **2019**, 10, 2619	17.4	28
130	Functional brain networks in treatment-resistant schizophrenia. *Schizophrenia Research*, **2017**, 184, 73-81	3.6	27
129	Inferring neural signalling directionality from undirected structural connectomes. *Nature Communications*, **2019**, 10, 4289	17.4	27
128	Brain network dynamics in schizophrenia: Reduced dynamism of the default mode network. *Human Brain Mapping*, **2019**, 40, 2212-2228	5.9	27
127	Awake functional MRI detects neural circuit dysfunction in a mouse model of autism. *Science Advances*, **2020**, 6, eaav4520	14.3	27
126	. *IEEE Journal on Selected Areas in Communications*, **2007**, 25, 3-19	14.2	27
125	A New Method for Blocking Probability Evaluation in OBS/OPS Networks With Deflection Routing. *Journal of Lightwave Technology*, **2009**, 27, 5335-5347	4	26
124	White matter connectivity disruptions in early and chronic schizophrenia. *Psychological Medicine*, **2017**, 47, 2797-2810	6.9	25
123	. *Journal of Lightwave Technology*, **2005**, 23, 2961-2973	4	25
122	Functional Magnetic Resonance Imaging-Guided Personalization of Transcranial Magnetic Stimulation Treatment for Depression. *JAMA Psychiatry*, **2021**, 78, 337-339	14.5	25
121	Transcranial magnetic stimulation in obsessive-compulsive disorder: A focus on network mechanisms and state dependence. *NeuroImage: Clinical*, **2018**, 19, 661-674	5.3	25

120	A new method for approximating blocking probability in overflow loss networks. *Computer Networks*, **2007**, 51, 2958-2975	5.4	24
119	Network communication models improve the behavioral and functional predictive utility of the human structural connectome. *Network Neuroscience*, **2020**, 4, 980-1006	5.6	23
118	Spontaneous brain network activity: Analysis of its temporal complexity. *Network Neuroscience*, **2017**, 1, 100-115	5.6	22
117	Functional Connectivity of Corticostriatal Circuitry and Psychosis-like Experiences in the General Community. *Biological Psychiatry*, **2019**, 86, 16-24	7.9	21
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115	Brain-behavior patterns define a dimensional biotype in medication-naïve adults with attention-deficit hyperactivity disorder. *Psychological Medicine*, **2018**, 48, 2399-2408	6.9	21
114	Estimating the impact of structural directionality: How reliable are undirected connectomes?. *Network Neuroscience*, **2018**, 2, 259-284	5.6	21
113	A multivariate neuroimaging biomarker of individual outcome to transcranial magnetic stimulation in depression. *Human Brain Mapping*, **2019**, 40, 4618-4629	5.9	21
112	Abnormal white matter structural networks characterize heroin-dependent individuals: a network analysis. *Addiction Biology*, **2016**, 21, 667-78	4.6	21
111	Brain network disintegration as a final common pathway for delirium: a systematic review and qualitative meta-analysis. *NeuroImage: Clinical*, **2019**, 23, 101809	5.3	20
110	Abnormal white matter integrity in synthetic cannabinoid users. *European Neuropsychopharmacology*, **2016**, 26, 1818-1825	1.2	20
109	Spatio-temporal dynamics of resting-state brain networks improve single-subject prediction of schizophrenia diagnosis. *Human Brain Mapping*, **2018**, 39, 3663-3681	5.9	20
108	Scene unseen: Disrupted neuronal adaptation in melancholia during emotional film viewing. *NeuroImage: Clinical*, **2015**, 9, 660-7	5.3	20
107	Free-Water Imaging in White and Gray Matter in Parkinson's Disease. *Cells*, **2019**, 8,	7.9	19
106	. *Journal of Lightwave Technology*, **2009**, 27, 2817-2833	4	19
105	High-resolution connectomic fingerprints: Mapping neural identity and behavior. *NeuroImage*, **2021**, 229, 117695	7.9	19
104	Structure-function coupling in the human connectome: A machine learning approach. *NeuroImage*, **2021**, 226, 117609	7.9	18
103	White matter microstructure in anorexia nervosa. *Human Brain Mapping*, **2018**, 39, 4385-4392	5.9	16

102	Enhanced Blocking Probability Evaluation Method for Circuit-Switched Trunk Reservation Networks. *IEEE Communications Letters*, **2007**, 11, 543-545	3.8	16
101	Insula Functional Connectivity in Schizophrenia: Subregions, Gradients, and Symptoms. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2019**, 4, 399-408	3.4	16
100	Neural decoding of visual stimuli varies with fluctuations in global network efficiency. *Human Brain Mapping*, **2017**, 38, 3069-3080	5.9	15
99	MR g-ratio-weighted connectome analysis in patients with multiple sclerosis. *Scientific Reports*, **2019**, 9, 13522	4.9	15
98	Grab-AD: Generalizability and reproducibility of altered brain activity and diagnostic classification in Alzheimer's Disease. *Human Brain Mapping*, **2020**, 41, 3379-3391	5.9	15
97	Topographic organization of the human subcortex unveiled with functional connectivity gradients		15
96	Individual deviations from normative models of brain structure in a large cross-sectional schizophrenia cohort. *Molecular Psychiatry*, **2021**, 26, 3512-3523	15.1	15
95	Linking Cortical and Connectional Pathology in Schizophrenia. *Schizophrenia Bulletin*, **2019**, 45, 911-923	1.3	15
94	Synchronization lag in post stroke: relation to motor function and structural connectivity. *Network Neuroscience*, **2019**, 3, 1121-1140	5.6	14
93	Personalized connectivity-guided DLPFC-TMS for depression: Advancing computational feasibility, precision and reproducibility. *Human Brain Mapping*, **2021**, 42, 4155-4172	5.9	14
92	Associations Between Neighborhood Disadvantage, Resting-State Functional Connectivity, and Behavior in the Adolescent Brain Cognitive Development Study: The Moderating Role of Positive Family and School Environments. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2021**, 6, 877-886	3.4	14
91	Risk and resilience brain networks in treatment-resistant schizophrenia. *Schizophrenia Research*, **2018**, 193, 284-292	3.6	12
90	Brain stimulation and brain lesions converge on common causal circuits in neuropsychiatric disease. *Nature Human Behaviour*, **2021**,	12.8	12
89	Relating brain connectivity with persistent symptoms in pediatric concussion. *Annals of Clinical and Translational Neurology*, **2019**, 6, 954-961	5.3	11
88	The impact of fasting on resting state brain networks in mice. *Scientific Reports*, **2019**, 9, 2976	4.9	11
87	Dynamic coupling between fMRI local connectivity and interictal EEG in focal epilepsy: A wavelet analysis approach. *Human Brain Mapping*, **2017**, 38, 5356-5374	5.9	11
86	Individual variations in 'brain age'relate to early-life factors more than to longitudinal brain change. *ELife*, **2021**, 10,	8.9	11
85	The Impact of Childhood Adversity on Cognitive Development in Schizophrenia. *Schizophrenia Bulletin*, **2020**, 46, 140-153	1.3	11

84	Unraveling the Consequences of Childhood Maltreatment: Deviations From Typical Functional Neurodevelopment Mediate the Relationship Between Maltreatment History and Depressive Symptoms. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2021**, 6, 329-342	3.4	11
83	Track-weighted dynamic functional connectivity (TW-dFC): a new method to study time-resolved functional connectivity. *Brain Structure and Function*, **2017**, 222, 3761-3774	4	10
82	A cautionary note on the use of SIFT in pathological connectomes. *Magnetic Resonance in Medicine*, **2020**, 83, 791-794	4.4	10
81	Resting-state functional brain networks in first-episode psychosis: A 12-month follow-up study. *Australian and New Zealand Journal of Psychiatry*, **2018**, 52, 864-875	2.6	10
80	Neuregulin-1 (NRG1) polymorphisms linked with psychosis transition are associated with enlarged lateral ventricles and white matter disruption in schizophrenia. *Psychological Medicine*, **2018**, 48, 801-809	6.9	9
79	. *IEEE Communications Letters*, **2007**, 11, 360-362	3.8	9
78	Performance analysis of an OBS edge router. *IEEE Photonics Technology Letters*, **2004**, 16, 695-697	2.2	9
77	Dynamic changes in brain functional connectivity during concurrent dual-task performance. *PLoS ONE*, **2011**, 6, e28301	3.7	9
76	Increased peripheral inflammation in schizophrenia is associated with worse cognitive performance and related cortical thickness reductions. *European Archives of Psychiatry and Clinical Neuroscience*, **2021**, 271, 595-607	5.1	9
75	Co-existence of Network Architectures Supporting the Human Gut Microbiome. *IScience*, **2019**, 22, 380-391	6.1	9
74	Cognitive reserve attenuates age-related cognitive decline in the context of putatively accelerated brain ageing in schizophrenia-spectrum disorders. *Psychological Medicine*, **2020**, 50, 1475-1489	6.9	9
73	Automatic laser shutdown implications for all optical data networks. *Journal of Lightwave Technology*, **2006**, 24, 674-680	4	8
72	Brain charts for the human lifespan		8
71	Rich club and reward network connectivity as endophenotypes for alcohol dependence: a diffusion tensor imaging study. *Addiction Biology*, **2019**, 24, 265-274	4.6	8
70	Large-Scale Evidence for an Association Between Peripheral Inflammation and White Matter Free Water in Schizophrenia and Healthy Individuals. *Schizophrenia Bulletin*, **2021**, 47, 542-551	1.3	8
69	Exploring the moderating effects of dopaminergic polymorphisms and childhood adversity on brain morphology in schizophrenia-spectrum disorders. *Psychiatry Research - Neuroimaging*, **2018**, 281, 61-68	2.9	8
68	Neural Correlates of Sleep Recovery following Melatonin Treatment for Pediatric Concussion: A Randomized Controlled Trial. *Journal of Neurotrauma*, **2020**, 37, 2647-2655	5.4	7
67	Altered resting functional connectivity patterns associated with problematic substance use and substance use disorders during adolescence. *Journal of Affective Disorders*, **2021**, 279, 599-608	6.6	7

66	Similar but distinct - Effects of different socioeconomic indicators on resting state functional connectivity: Findings from the Adolescent Brain Cognitive Development (ABCD) Study . *Developmental Cognitive Neuroscience*, **2021**, 51, 101005	5.5	7
65	Towards deep learning for connectome mapping: A block decomposition framework. *NeuroImage*, **2020**, 212, 116654	7.9	6
64	Tractography-Guided Deep Brain Stimulation of the Anteromedial Globus Pallidus Internus for Refractory Obsessive-Compulsive Disorder: Case Report. *Neurosurgery*, **2020**, 86, E558-E563	3.2	6
63	Cost Comparison of Optical Circuit-Switched and Burst-Switched Networks. *Journal of Lightwave Technology*, **2009**, 27, 2315-2329	4	6
62	Machine learning prediction of cognition from functional connectivity: Are feature weights reliable?. *NeuroImage*, **2021**, 245, 118648	7.9	6
61	White matter changes in psychosis risk relate to development and are not impacted by the transition to psychosis. *Molecular Psychiatry*, **2021**,	15.1	6
60	Structural connectivity in adolescent synthetic cannabinoid users with and without ADHD. *Brain Imaging and Behavior*, **2020**, 14, 505-514	4.1	6
59	Neighborhood disadvantage and longitudinal brain-predicted-age trajectory during adolescence. *Developmental Cognitive Neuroscience*, **2021**, 51, 101002	5.5	6
58	Reducing the influence of intramodular connectivity in participation coefficient. *Network Neuroscience*, **2020**, 4, 416-431	5.6	5
57	Structural connectivity and weight loss in children with obesity: a study of the "connectobese". *International Journal of Obesity*, **2019**, 43, 2309-2321	5.5	5
56	A state-dependent approximation for the generalized Engset model. *IEEE Communications Letters*, **2009**, 13, 962-964	3.8	5
55	Designing an Optimal Scheduler Buffer in OBS Networks. *Journal of Lightwave Technology*, **2008**, 26, 2046-2054	4	5
54	Default mode network anatomy and function is linked to pediatric concussion recovery. *Annals of Clinical and Translational Neurology*, **2019**, 6, 2544-2554	5.3	5
53	Accommodating site variation in neuroimaging data using normative and hierarchical Bayesian models		5
52	Predicting individual improvement in schizophrenia symptom severity at 1-year follow-up: Comparison of connectomic, structural, and clinical predictors. *Human Brain Mapping*, **2020**, 41, 3342-3357	5.9	4
51	Differential effect of disease-associated ST8SIA2 haplotype on cerebral white matter diffusion properties in schizophrenia and healthy controls. *Translational Psychiatry*, **2018**, 8, 21	8.6	4
50	On the Accuracy of the OPC Approximation for a Symmetric Overflow Loss Model. *Stochastic Models*, **2013**, 29, 149-189	0.5	4
49	Packet delay in optical circuit-switched networks. *IEEE/ACM Transactions on Networking*, **2006**, 14, 341-354	3.8	4

48	Dynamically concatenated wavelength converters. *IEEE Photonics Technology Letters*, **2006**, 18, 352-354	2.2	4
47	A framework for solving logical topology design problems within constrained computation time. *IEEE Communications Letters*, **2003**, 7, 499-501	3.8	4
46	Temporal complexity of fMRI is reproducible and correlates with higher order cognition. *NeuroImage*, **2021**, 230, 117760	7.9	4
45	Dopamine Transporter Is a Master Regulator of Dopaminergic Neural Network Connectivity. *Journal of Neuroscience*, **2021**, 41, 5453-5470	6.6	4
44	Reducing spare capacity through traffic splitting. *IEEE Communications Letters*, **2004**, 8, 594-596	3.8	3
43	Cell type-specific manifestations of cortical thickness heterogeneity in schizophrenia.. *Molecular Psychiatry*, **2022**,	15.1	3
42	White Matter Pathology in Schizophrenia **2020**, 71-91		3
41	Maternal parenting behavior and functional connectivity development in children: A longitudinal fMRI study. *Developmental Cognitive Neuroscience*, **2021**, 48, 100946	5.5	3
40	Associations Between Neighborhood Disadvantage, Resting-State Functional Connectivity, and Behavior in the Adolescent Brain Cognitive Development (ABCD) Study: Moderating Role of Positive Family and School Environments. *Biological Psychiatry*, **2021**, 89, S259-S260	7.9	3
39	Machine learning prediction of cognition from functional connectivity: Are feature weights reliable?		3
38	Brain morphology is differentially impacted by peripheral cytokines in schizophrenia-spectrum disorder. *Brain, Behavior, and Immunity*, **2021**, 95, 299-309	16.6	3
37	Brain-Predicted Age Associates With Psychopathology Dimensions in Youths. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2021**, 6, 410-419	3.4	3
36	Associations Between Delay Discounting and Connectivity of the Valuation-control System in Healthy Young Adults. *Neuroscience*, **2021**, 452, 295-310	3.9	3
35	Cranioplastic Surgery and Acclimation Training for Awake Mouse fMRI. *Bio-protocol*, **2021**, 11, e3972	0.9	3
34	Individual deviations from normative models of brain structure in a large cross-sectional schizophrenia cohort		2
33	Author response: A hierarchy of timescales explains distinct effects of local inhibition of primary visual cortex and frontal eye fields **2016**,		2
32	Sparse coupled logistic regression to estimate co-activation and modulatory influences of brain regions. *Journal of Neural Engineering*, **2020**,	5	2
31	Brain connectivity dynamics: Multilayer network switching rate predicts brain performance		2

30	Inferring neural signalling directionality from undirected structural connectomes		2
29	Prediction of sleep side effects following methylphenidate treatment in ADHD youth. *NeuroImage: Clinical*, **2020**, 26, 102030	5.3	2
28	SIFT in pathological connectomes: Follow-up response to Smith and colleagues. *Magnetic Resonance in Medicine*, **2020**, 84, 2308-2311	4.4	2
27	The structural connectome constrains fast brain dynamics. *ELife*, **2021**, 10,	8.9	2
26	The impact of smoking status on cognition and brain morphology in schizophrenia spectrum disorders. *Psychological Medicine*, **2021**, 1-19	6.9	2
25	A critical review of connectome validation studies. *NMR in Biomedicine*, **2021**, 34, e4605	4.4	2
24	O1.6. INCREASED COMPLEMENT FACTORS C3 AND C4 IN SCHIZOPHRENIA AND THE EARLY STAGES OF PSYCHOSIS: IMPLICATIONS FOR CLINICAL SYMPTOMATOLOGY AND CORTICAL THICKNESS. *Schizophrenia Bulletin*, **2018**, 44, S74-S74	1.3	1
23	Optimizing an OBS scheduler buffer **2006**,		1
22	Connectome Spatial Smoothing (CSS): concepts, methods, and evaluation.. *NeuroImage*, **2022**, 250, 118930	7.9	1
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