

Andrew Zalesky

List of Publications by Year in Descending Order

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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	Connectome Spatial Smoothing (CSS): concepts, methods, and evaluation.. <i>NeuroImage</i> , 2022 , 250, 118930	7.9	1
208	Cell type-specific manifestations of cortical thickness heterogeneity in schizophrenia.. <i>Molecular Psychiatry</i> , 2022 ,	15.1	3
207	Network communication models narrow the gap between the modular organization of structural and functional brain networks. <i>NeuroImage</i> , 2022 , 257, 119323	7.9	0
206	Using Brain Imaging to Improve Spatial Targeting of Transcranial Magnetic Stimulation for Depression. <i>Biological Psychiatry</i> , 2021 , 90, 689-700	7.9	33
205	Individual variations in brain age relate to early-life factors more than to longitudinal brain change. <i>ELife</i> , 2021 , 10,	8.9	11
204	Plasma neurofilament light chain protein is not increased in treatment-resistant schizophrenia and first-degree relatives.. <i>Australian and New Zealand Journal of Psychiatry</i> , 2021 , 48674211058684	2.6	1
203	Multi-timepoint pattern analysis: Influence of personality and behavior on decoding context-dependent brain connectivity dynamics. <i>Human Brain Mapping</i> , 2021 ,	5.9	1
202	NBS-Predict: A prediction-based extension of the network-based statistic. <i>NeuroImage</i> , 2021 , 244, 1186259	7.9	1
201	Machine learning prediction of cognition from functional connectivity: Are feature weights reliable?. <i>NeuroImage</i> , 2021 , 245, 118648	7.9	6
200	Individual deviations from normative models of brain structure in a large cross-sectional schizophrenia cohort. <i>Molecular Psychiatry</i> , 2021 , 26, 3512-3523	15.1	15
199	Network Analysis of Symptom Comorbidity in Schizophrenia: Relationship to Illness Course and Brain White Matter Microstructure. <i>Schizophrenia Bulletin</i> , 2021 , 47, 1156-1167	1.3	1
198	Increased peripheral inflammation in schizophrenia is associated with worse cognitive performance and related cortical thickness reductions. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2021 , 271, 595-607	5.1	9
197	Maternal parenting behavior and functional connectivity development in children: A longitudinal fMRI study. <i>Developmental Cognitive Neuroscience</i> , 2021 , 48, 100946	5.5	3
196	High-resolution connectomic fingerprints: Mapping neural identity and behavior. <i>NeuroImage</i> , 2021 , 229, 117695	7.9	19
195	Temporal complexity of fMRI is reproducible and correlates with higher order cognition. <i>NeuroImage</i> , 2021 , 230, 117760	7.9	4
194	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. <i>Biological Psychiatry</i> , 2021 , 89, S259-S260	7.9	3
193	Dopamine Transporter Is a Master Regulator of Dopaminergic Neural Network Connectivity. <i>Journal of Neuroscience</i> , 2021 , 41, 5453-5470	6.6	4

192	White matter changes in psychosis risk relate to development and are not impacted by the transition to psychosis. <i>Molecular Psychiatry</i> , 2021 ,	15.1	6
191	Valuation system connectivity is correlated with poly-drug use in young adults. <i>Neuroscience Research</i> , 2021 , 173, 114-120	2.9	
190	Brain stimulation and brain lesions converge on common causal circuits in neuropsychiatric disease. <i>Nature Human Behaviour</i> , 2021 ,	12.8	12
189	Brain morphology is differentially impacted by peripheral cytokines in schizophrenia-spectrum disorder. <i>Brain, Behavior, and Immunity</i> , 2021 , 95, 299-309	16.6	3
188	The structural connectome constrains fast brain dynamics. <i>ELife</i> , 2021 , 10,	8.9	2
187	Altered resting functional connectivity patterns associated with problematic substance use and substance use disorders during adolescence. <i>Journal of Affective Disorders</i> , 2021 , 279, 599-608	6.6	7
186	Brain-Predicted Age Associates With Psychopathology Dimensions in Youths. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021 , 6, 410-419	3.4	3
185	Unraveling the Consequences of Childhood Maltreatment: Deviations From Typical Functional Neurodevelopment Mediate the Relationship Between Maltreatment History and Depressive Symptoms. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021 , 6, 329-342	3.4	11
184	Large-Scale Evidence for an Association Between Peripheral Inflammation and White Matter Free Water in Schizophrenia and Healthy Individuals. <i>Schizophrenia Bulletin</i> , 2021 , 47, 542-551	1.3	8
183	White matter microstructure and connectivity in patients with obsessive-compulsive disorder and their unaffected siblings. <i>Acta Psychiatrica Scandinavica</i> , 2021 , 143, 72-81	6.5	1
182	Associations Between Delay Discounting and Connectivity of the Valuation-control System in Healthy Young Adults. <i>Neuroscience</i> , 2021 , 452, 295-310	3.9	3
181	Structure-function coupling in the human connectome: A machine learning approach. <i>NeuroImage</i> , 2021 , 226, 117609	7.9	18
180	Functional Magnetic Resonance Imaging-Guided Personalization of Transcranial Magnetic Stimulation Treatment for Depression. <i>JAMA Psychiatry</i> , 2021 , 78, 337-339	14.5	25
179	The impact of smoking status on cognition and brain morphology in schizophrenia spectrum disorders. <i>Psychological Medicine</i> , 2021 , 1-19	6.9	2
178	Cranioplastic Surgery and Acclimation Training for Awake Mouse fMRI. <i>Bio-protocol</i> , 2021 , 11, e3972	0.9	3
177	White Matter Alterations Between Brain Network Hubs Underlie Processing Speed Impairment in Patients With Schizophrenia.. <i>Schizophrenia Bulletin Open</i> , 2021 , 2, sgab033	2.2	
176	Personalized connectivity-guided DLPFC-TMS for depression: Advancing computational feasibility, precision and reproducibility. <i>Human Brain Mapping</i> , 2021 , 42, 4155-4172	5.9	14
175	Intracranial brain stimulation modulates fMRI-based network switching. <i>Neurobiology of Disease</i> , 2021 , 156, 105401	7.5	1

174	A critical review of connectome validation studies. <i>NMR in Biomedicine</i> , 2021 , 34, e4605	4.4	2
173	Disruptions in white matter microstructure associated with impaired visual associative memory in schizophrenia-spectrum illness. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2021 , 1	5.1	0
172	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. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021 , 6, 877-886	3.4	14
171	Similar but distinct - Effects of different socioeconomic indicators on resting state functional connectivity: Findings from the Adolescent Brain Cognitive Development (ABCD) Study. <i>Developmental Cognitive Neuroscience</i> , 2021 , 51, 101005	5.5	7
170	Neighborhood disadvantage and longitudinal brain-predicted-age trajectory during adolescence. <i>Developmental Cognitive Neuroscience</i> , 2021 , 51, 101002	5.5	6
169	Aberrant Metabolic Patterns Networks in Insular Epilepsy. <i>Frontiers in Neurology</i> , 2020 , 11, 605256	4.1	0
168	Grab-AD: Generalizability and reproducibility of altered brain activity and diagnostic classification in Alzheimer's Disease. <i>Human Brain Mapping</i> , 2020 , 41, 3379-3391	5.9	15
167	Predicting individual improvement in schizophrenia symptom severity at 1-year follow-up: Comparison of connectomic, structural, and clinical predictors. <i>Human Brain Mapping</i> , 2020 , 41, 3342-3357	5.9	4
166	Reducing the influence of intramodular connectivity in participation coefficient. <i>Network Neuroscience</i> , 2020 , 4, 416-431	5.6	5
165	A neuroimaging biomarker for striatal dysfunction in schizophrenia. <i>Nature Medicine</i> , 2020 , 26, 558-565	50.5	45
164	The Relationship Between White Matter Microstructure and General Cognitive Ability in Patients With Schizophrenia and Healthy Participants in the ENIGMA Consortium. <i>American Journal of Psychiatry</i> , 2020 , 177, 537-547	11.9	21
163	Towards deep learning for connectome mapping: A block decomposition framework. <i>NeuroImage</i> , 2020 , 212, 116654	7.9	6
162	Awake functional MRI detects neural circuit dysfunction in a mouse model of autism. <i>Science Advances</i> , 2020 , 6, eaav4520	14.3	27
161	Tractography-Guided Deep Brain Stimulation of the Anteromedial Globus Pallidus Internus for Refractory Obsessive-Compulsive Disorder: Case Report. <i>Neurosurgery</i> , 2020 , 86, E558-E563	3.2	6
160	White Matter Pathology in Schizophrenia 2020 , 71-91		3
159	Sparse coupled logistic regression to estimate co-activation and modulatory influences of brain regions. <i>Journal of Neural Engineering</i> , 2020 ,	5	2
158	Prediction of sleep side effects following methylphenidate treatment in ADHD youth. <i>NeuroImage: Clinical</i> , 2020 , 26, 102030	5.3	2
157	S187. EXPLORING NEURODEVELOPMENTAL AND FAMILIAL ORIGINS OF NEUROLOGICAL SOFT SIGNS IN SCHIZOPHRENIA. <i>Schizophrenia Bulletin</i> , 2020 , 46, S109-S109	1.3	78

156	Topographic organization of the human subcortex unveiled with functional connectivity gradients. <i>Nature Neuroscience</i> , 2020 , 23, 1421-1432	25.5	74
155	Neural Correlates of Sleep Recovery following Melatonin Treatment for Pediatric Concussion: A Randomized Controlled Trial. <i>Journal of Neurotrauma</i> , 2020 , 37, 2647-2655	5.4	7
154	O2.3. ABNORMAL BRAIN AGING IN YOUTH WITH SUBCLINICAL PSYCHOSIS AND OBSESSIVE-COMPULSIVE SYMPTOMS. <i>Schizophrenia Bulletin</i> , 2020 , 46, S4-S4	1.3	78
153	SIFT in pathological connectomes: Follow-up response to Smith and colleagues. <i>Magnetic Resonance in Medicine</i> , 2020 , 84, 2308-2311	4.4	2
152	Network communication models improve the behavioral and functional predictive utility of the human structural connectome. <i>Network Neuroscience</i> , 2020 , 4, 980-1006	5.6	23
151	Structural connectivity in adolescent synthetic cannabinoid users with and without ADHD. <i>Brain Imaging and Behavior</i> , 2020 , 14, 505-514	4.1	6
150	The Impact of Childhood Adversity on Cognitive Development in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2020 , 46, 140-153	1.3	11
149	A cautionary note on the use of SIFT in pathological connectomes. <i>Magnetic Resonance in Medicine</i> , 2020 , 83, 791-794	4.4	10
148	Cognitive reserve attenuates age-related cognitive decline in the context of putatively accelerated brain ageing in schizophrenia-spectrum disorders. <i>Psychological Medicine</i> , 2020 , 50, 1475-1489	6.9	9
147	Synchronization lag in post stroke: relation to motor function and structural connectivity. <i>Network Neuroscience</i> , 2019 , 3, 1121-1140	5.6	14
146	Inferring neural signalling directionality from undirected structural connectomes. <i>Nature Communications</i> , 2019 , 10, 4289	17.4	27
145	MR g-ratio-weighted connectome analysis in patients with multiple sclerosis. <i>Scientific Reports</i> , 2019 , 9, 13522	4.9	15
144	Brain network dynamics in schizophrenia: Reduced dynamism of the default mode network. <i>Human Brain Mapping</i> , 2019 , 40, 2212-2228	5.9	27
143	Subgenual Functional Connectivity Predicts Antidepressant Treatment Response to Transcranial Magnetic Stimulation: Independent Validation and Evaluation of Personalization. <i>Biological Psychiatry</i> , 2019 , 86, e5-e7	7.9	51
142	Relating brain connectivity with persistent symptoms in pediatric concussion. <i>Annals of Clinical and Translational Neurology</i> , 2019 , 6, 954-961	5.3	11
141	Evidence for Network-Based Cortical Thickness Reductions in Schizophrenia. <i>American Journal of Psychiatry</i> , 2019 , 176, 552-563	11.9	42
140	Large-scale brain modes reorganize between infant sleep states and carry prognostic information for preterms. <i>Nature Communications</i> , 2019 , 10, 2619	17.4	28
139	F95. DISRUPTION IN HIPPOCAMPAL-PREFRONTAL WHITE MATTER PATHWAYS AND MEMORY PERFORMANCE ACROSS STAGES OF SCHIZOPHRENIA-SPECTRUM DISORDER. <i>Schizophrenia Bulletin</i> , 2019 , 45, S290-S290	1.3	78

138	The impact of fasting on resting state brain networks in mice. <i>Scientific Reports</i> , 2019 , 9, 2976	4.9	11
137	Brain network disintegration as a final common pathway for delirium: a systematic review and qualitative meta-analysis. <i>NeuroImage: Clinical</i> , 2019 , 23, 101809	5.3	20
136	Functional Connectivity of Corticostriatal Circuitry and Psychosis-like Experiences in the General Community. <i>Biological Psychiatry</i> , 2019 , 86, 16-24	7.9	21
135	Free-Water Imaging in White and Gray Matter in Parkinson's Disease. <i>Cells</i> , 2019 , 8,	7.9	19
134	A multivariate neuroimaging biomarker of individual outcome to transcranial magnetic stimulation in depression. <i>Human Brain Mapping</i> , 2019 , 40, 4618-4629	5.9	21
133	Structural connectivity and weight loss in children with obesity: a study of the "connectobese". <i>International Journal of Obesity</i> , 2019 , 43, 2309-2321	5.5	5
132	Reply to Yang et al.: Multilayer network switching and behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 16673	11.5	1
131	Default mode network anatomy and function is linked to pediatric concussion recovery. <i>Annals of Clinical and Translational Neurology</i> , 2019 , 6, 2544-2554	5.3	5
130	Co-existence of Network Architectures Supporting the Human Gut Microbiome. <i>iScience</i> , 2019 , 22, 380-391		9
129	Linking Cortical and Connectional Pathology in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2019 , 45, 911-923	1.3	15
128	Investigation of peripheral complement factors across stages of psychosis. <i>Schizophrenia Research</i> , 2019 , 204, 30-37	3.6	29
127	Insula Functional Connectivity in Schizophrenia: Subregions, Gradients, and Symptoms. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019 , 4, 399-408	3.4	16
126	Reply to Muscoloni and Cannistraci: Navigation performance measures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 1470	11.5	
125	Mapping connectomes with diffusion MRI: deterministic or probabilistic tractography?. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 1368-1384	4.4	84
124	Vitamin D deficiency is associated with reduced hippocampal volume and disrupted structural connectivity in patients with mild cognitive impairment. <i>Human Brain Mapping</i> , 2019 , 40, 394-406	5.9	33
123	Building connectomes using diffusion MRI: why, how and but. <i>NMR in Biomedicine</i> , 2019 , 32, e3752	4.4	121
122	Rich club and reward network connectivity as endophenotypes for alcohol dependence: a diffusion tensor imaging study. <i>Addiction Biology</i> , 2019 , 24, 265-274	4.6	8
121	Minimum spanning tree analysis of the human connectome. <i>Human Brain Mapping</i> , 2018 , 39, 2455-2471	5.9	33

120	Personalized Transcranial Magnetic Stimulation in Psychiatry. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018 , 3, 731-741	3.4	30
119	Differential effect of disease-associated ST8SIA2 haplotype on cerebral white matter diffusion properties in schizophrenia and healthy controls. <i>Translational Psychiatry</i> , 2018 , 8, 21	8.6	4
118	Brain-behavior patterns define a dimensional biotype in medication-naïve adults with attention-deficit hyperactivity disorder. <i>Psychological Medicine</i> , 2018 , 48, 2399-2408	6.9	21
117	Estimating the impact of structural directionality: How reliable are undirected connectomes?. <i>Network Neuroscience</i> , 2018 , 2, 259-284	5.6	21
116	Risk and resilience brain networks in treatment-resistant schizophrenia. <i>Schizophrenia Research</i> , 2018 , 193, 284-292	3.6	12
115	Widespread white matter microstructural differences in schizophrenia across 4322 individuals: results from the ENIGMA Schizophrenia DTI Working Group. <i>Molecular Psychiatry</i> , 2018 , 23, 1261-1269	15.1	324
114	Neuregulin-1 (NRG1) polymorphisms linked with psychosis transition are associated with enlarged lateral ventricles and white matter disruption in schizophrenia. <i>Psychological Medicine</i> , 2018 , 48, 801-809	6.9	9
113	Widespread Volumetric Reductions in Schizophrenia and Schizoaffective Patients Displaying Compromised Cognitive Abilities. <i>Schizophrenia Bulletin</i> , 2018 , 44, 560-574	1.3	31
112	Fragility and volatility of structural hubs in the human connectome. <i>Nature Neuroscience</i> , 2018 , 21, 1107-1116	15.6	68
111	White matter microstructure in anorexia nervosa. <i>Human Brain Mapping</i> , 2018 , 39, 4385-4392	5.9	16
110	Spatio-temporal dynamics of resting-state brain networks improve single-subject prediction of schizophrenia diagnosis. <i>Human Brain Mapping</i> , 2018 , 39, 3663-3681	5.9	20
109	O1.6. INCREASED COMPLEMENT FACTORS C3 AND C4 IN SCHIZOPHRENIA AND THE EARLY STAGES OF PSYCHOSIS: IMPLICATIONS FOR CLINICAL SYMPTOMATOLOGY AND CORTICAL THICKNESS. <i>Schizophrenia Bulletin</i> , 2018 , 44, S74-S74	1.3	1
108	Connectome analysis with diffusion MRI in idiopathic Parkinson's disease: Evaluation using multi-shell, multi-tissue, constrained spherical deconvolution. <i>NeuroImage: Clinical</i> , 2018 , 17, 518-529	5.3	33
107	Multilayer network switching rate predicts brain performance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 13376-13381	11.5	73
106	Exploring the moderating effects of dopaminergic polymorphisms and childhood adversity on brain morphology in schizophrenia-spectrum disorders. <i>Psychiatry Research - Neuroimaging</i> , 2018 , 281, 61-68	2.9	8
105	F158. FUNCTIONAL CONNECTIVITY DIVERSITY OF THE INSULA CORTEX IN SCHIZOPHRENIA: SUBREGIONS OR CONTINUA?. <i>Schizophrenia Bulletin</i> , 2018 , 44, S282-S282	1.3	78
104	O6.5. LINKING CORTICAL AND CONNECTIONAL PATHOLOGY IN SCHIZOPHRENIA. <i>Schizophrenia Bulletin</i> , 2018 , 44, S91-S91	1.3	1
103	Characterizing the functional connectivity diversity of the insula cortex: Subregions, diversity curves and behavior. <i>NeuroImage</i> , 2018 , 183, 716-733	7.9	36

102	Computational Approaches to Understanding Mental Dysfunction: Progress, Challenges, and New Frontiers. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018 , 3, 728-730	3.4	1
101	Transcranial magnetic stimulation in obsessive-compulsive disorder: A focus on network mechanisms and state dependence. <i>NeuroImage: Clinical</i> , 2018 , 19, 661-674	5.3	25
100	Resting-state functional brain networks in first-episode psychosis: A 12-month follow-up study. <i>Australian and New Zealand Journal of Psychiatry</i> , 2018 , 52, 864-875	2.6	10
99	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
98	On the relationship between instantaneous phase synchrony and correlation-based sliding windows for time-resolved fMRI connectivity analysis. <i>NeuroImage</i> , 2018 , 181, 85-94	7.9	40
97	Functional brain networks in treatment-resistant schizophrenia. <i>Schizophrenia Research</i> , 2017 , 184, 73-81	3.6	27
96	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
95	Gray Matter Abnormalities in Idiopathic Parkinson's Disease: Evaluation by Diffusional Kurtosis Imaging and Neurite Orientation Dispersion and Density Imaging. <i>Human Brain Mapping</i> , 2017 , 38, 3704-3722	5.9	53
94	Track-weighted dynamic functional connectivity (TW-dFC): a new method to study time-resolved functional connectivity. <i>Brain Structure and Function</i> , 2017 , 222, 3761-3774	4	10
93	Spontaneous brain network activity: Analysis of its temporal complexity. <i>Network Neuroscience</i> , 2017 , 1, 100-115	5.6	22
92	White matter connectivity disruptions in early and chronic schizophrenia. <i>Psychological Medicine</i> , 2017 , 47, 2797-2810	6.9	25
91	Neural decoding of visual stimuli varies with fluctuations in global network efficiency. <i>Human Brain Mapping</i> , 2017 , 38, 3069-3080	5.9	15
90	Accelerated Gray and White Matter Deterioration With Age in Schizophrenia. <i>American Journal of Psychiatry</i> , 2017 , 174, 286-295	11.9	117
89	White Matter Disruptions in Schizophrenia Are Spatially Widespread and Topologically Converge on Brain Network Hubs. <i>Schizophrenia Bulletin</i> , 2017 , 43, 425-435	1.3	60
88	PET imaging of putative microglial activation in individuals at ultra-high risk for psychosis, recently diagnosed and chronically ill with schizophrenia. <i>Translational Psychiatry</i> , 2017 , 7, e1225	8.6	54
87	Criticality in the brain: A synthesis of neurobiology, models and cognition. <i>Progress in Neurobiology</i> , 2017 , 158, 132-152	10.9	193
86	Dynamic coupling between fMRI local connectivity and interictal EEG in focal epilepsy: A wavelet analysis approach. <i>Human Brain Mapping</i> , 2017 , 38, 5356-5374	5.9	11
85	Reconfiguration of Brain Network Architectures between Resting-State and Complexity-Dependent Cognitive Reasoning. <i>Journal of Neuroscience</i> , 2017 , 37, 8399-8411	6.6	81

84	Opportunities and Challenges for Psychiatry in the Connectomic Era. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017 , 2, 9-19	3.4	29
83	Abnormal white matter integrity in synthetic cannabinoid users. <i>European Neuropsychopharmacology</i> , 2016 , 26, 1818-1825	1.2	20
82	Structural connectivity relates to perinatal factors and functional impairment at 7years in children born very preterm. <i>NeuroImage</i> , 2016 , 134, 328-337	7.9	44
81	Hippocampal harms, protection and recovery following regular cannabis use. <i>Translational Psychiatry</i> , 2016 , 6, e710	8.6	90
80	Author response: A hierarchy of timescales explains distinct effects of local inhibition of primary visual cortex and frontal eye fields 2016 ,		2
79	Inter- and Intra-Hemispheric Fibers of Olfactory and Motor Areas in Kallmann Syndrome with Defective Corpus Callosum. <i>Journal of Neurology & Neurophysiology</i> , 2016 , 7,	0.5	1
78	A hierarchy of timescales explains distinct effects of local inhibition of primary visual cortex and frontal eye fields. <i>ELife</i> , 2016 , 5,	8.9	65
77	Connectome sensitivity or specificity: which is more important?. <i>NeuroImage</i> , 2016 , 142, 407-420	7.9	184
76	Abnormal white matter structural networks characterize heroin-dependent individuals: a network analysis. <i>Addiction Biology</i> , 2016 , 21, 667-78	4.6	21
75	Developmental Changes in Brain Network Hub Connectivity in Late Adolescence. <i>Journal of Neuroscience</i> , 2015 , 35, 9078-87	6.6	99
74	Delayed Development of Brain Connectivity in Adolescents With Schizophrenia and Their Unaffected Siblings. <i>JAMA Psychiatry</i> , 2015 , 72, 900-8	14.5	57
73	A longitudinal study investigating sub-threshold symptoms and white matter changes in individuals with an At risk mental state (ARMS). <i>Schizophrenia Research</i> , 2015 , 162, 7-13	3.6	43
72	Towards a statistical test for functional connectivity dynamics. <i>NeuroImage</i> , 2015 , 114, 466-70	7.9	177
71	Imaging human brain networks to improve the clinical efficacy of non-invasive brain stimulation. <i>Neuroscience and Biobehavioral Reviews</i> , 2015 , 57, 187-98	9	80
70	COMT genotype affects brain white matter pathways in attention-deficit/hyperactivity disorder. <i>Human Brain Mapping</i> , 2015 , 36, 367-77	5.9	31
69	Disrupted brain anatomical connectivity in medication-naïve patients with first-episode schizophrenia. <i>Brain Structure and Function</i> , 2015 , 220, 1145-59	4	62
68	The impact of premorbid and current intellect in schizophrenia: cognitive, symptom, and functional outcomes. <i>NPJ Schizophrenia</i> , 2015 , 1, 15043	5.5	49
67	Are rich club regions masters or slaves of brain network dynamics?. <i>BMC Neuroscience</i> , 2015 , 16,	3.2	78

66	Scene unseen: Disrupted neuronal adaptation in melancholia during emotional film viewing. <i>NeuroImage: Clinical</i> , 2015 , 9, 660-7	5.3	20
65	Dwelling quietly in the rich club: brain network determinants of slow cortical fluctuations. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370,	5.8	109
64	Interactions between default mode and control networks as a function of increasing cognitive reasoning complexity. <i>Human Brain Mapping</i> , 2015 , 36, 2719-31	5.9	38
63	Dissociable effects of local inhibitory and excitatory theta-burst stimulation on large-scale brain dynamics. <i>Journal of Neurophysiology</i> , 2015 , 113, 3375-85	3.2	46
62	The connectomics of brain disorders. <i>Nature Reviews Neuroscience</i> , 2015 , 16, 159-72	13.5	882
61	Complexity in relational processing predicts changes in functional brain network dynamics. <i>Cerebral Cortex</i> , 2014 , 24, 2283-96	5.1	59
60	Large-scale brain network dynamics supporting adolescent cognitive control. <i>Journal of Neuroscience</i> , 2014 , 34, 14096-107	6.6	86
59	Connectomic disturbances in attention-deficit/hyperactivity disorder: a whole-brain tractography analysis. <i>Biological Psychiatry</i> , 2014 , 76, 656-63	7.9	62
58	Disruption of structure-function coupling in the schizophrenia connectome. <i>NeuroImage: Clinical</i> , 2014 , 4, 779-87	5.3	84
57	Time-resolved resting-state brain networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 10341-6	11.5	494
56	Disruption of brain white matter microstructure in women with anorexia nervosa. <i>Journal of Psychiatry and Neuroscience</i> , 2014 , 39, 367-75	4.5	51
55	Cerebello-cerebral connectivity deficits in Friedreich ataxia. <i>Brain Structure and Function</i> , 2014 , 219, 969-81	3.1	33
54	Dynamic cooperation and competition between brain systems during cognitive control. <i>Trends in Cognitive Sciences</i> , 2013 , 17, 493-501	14	290
53	Graph analysis of the human connectome: promise, progress, and pitfalls. <i>NeuroImage</i> , 2013 , 80, 426-44	7.9	493
52	Decreased functional brain connectivity in adolescents with internet addiction. <i>PLoS ONE</i> , 2013 , 8, e57831	3.7	94
51	On the Accuracy of the OPC Approximation for a Symmetric Overflow Loss Model. <i>Stochastic Models</i> , 2013 , 29, 149-189	0.5	4
50	Long-term effects of attentional performance on functional brain network topology. <i>PLoS ONE</i> , 2013 , 8, e74125	3.7	36
49	Effect of long-term cannabis use on axonal fibre connectivity. <i>Brain</i> , 2012 , 135, 2245-55	11.2	216

48	Altered functional brain connectivity in a non-clinical sample of young adults with attention-deficit/hyperactivity disorder. <i>Journal of Neuroscience</i> , 2012 , 32, 17753-61	6.6	106
47	Schizophrenia, neuroimaging and connectomics. <i>NeuroImage</i> , 2012 , 62, 2296-314	7.9	503
46	Connectivity differences in brain networks. <i>NeuroImage</i> , 2012 , 60, 1055-62	7.9	157
45	On the use of correlation as a measure of network connectivity. <i>NeuroImage</i> , 2012 , 60, 2096-106	7.9	286
44	The relationship between regional and inter-regional functional connectivity deficits in schizophrenia. <i>Human Brain Mapping</i> , 2012 , 33, 2535-49	5.9	81
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9	Brain connectivity dynamics: Multilayer network switching rate predicts brain performance	2
8	Inferring neural signalling directionality from undirected structural connectomes	2
7	Reducing module size bias of participation coefficient	1
6	Temporal complexity of fMRI is reproducible and correlates with higher order cognition	1
5	Reconfiguration of brain network architectures between resting state and complexity-dependent cognitive reasoning	1
4	Brain-behavior patterns define a dimensional biotype in medication-naïve adults with attention-deficit hyperactivity disorder	1
3	Machine learning prediction of cognition from functional connectivity: Are feature weights reliable?	3
2	Brain charts for the human lifespan	8
1	Accommodating site variation in neuroimaging data using normative and hierarchical Bayesian models	5