Theodore D Satterthwaite

List of Publications by Year in Descending Order

244 papers	14,209 citations	61 h-index	115 g-index
323 ext. papers	20,203 ext. citations	7 avg, IF	6.44 L-index

#	Paper	IF	Citations
244	A developmental reduction of the excitation:inhibition ratio in association cortex during adolescence.. *Science Advances*, **2022**, 8, eabj8750	14.3	1
243	Network controllability mediates the relationship between rigid structure and flexible dynamics. *Network Neuroscience*, **2022**, 6, 275-297	5.6	0
242	Associations between neighborhood socioeconomic status, parental education, and executive system activation in youth.. *Cerebral Cortex*, **2022**,	5.1	1
241	Developmental coupling of cerebral blood flow and fMRI fluctuations in youth.. *Cell Reports*, **2022**, 38, 110576	10.6	0
240	Harmonizing Functional Connectivity Reduces Scanner Effects in Community Detection.. *NeuroImage*, **2022**, 119198	7.9	0
239	Schizophrenia Imaging Signatures and Their Associations With Cognition, Psychopathology, and Genetics in the General Population.. *American Journal of Psychiatry*, **2022**, appiajp21070686	11.9	1
238	Dissociable multi-scale patterns of development in personalized brain networks.. *Nature Communications*, **2022**, 13, 2647	17.4	1
237	Reliability and validity of bifactor models of dimensional psychopathology in youth. **2022**, 131, 407-421		1
236	Brain aging in major depressive disorder: results from the ENIGMA major depressive disorder working group. *Molecular Psychiatry*, **2021**, 26, 5124-5139	15.1	48
235	Multi-scale semi-supervised clustering of brain images: Deriving disease subtypes. *Medical Image Analysis*, **2021**, 75, 102304	15.4	1
234	Relationship of ventral striatum activation during effort discounting to clinical amotivation severity in schizophrenia. *NPJ Schizophrenia*, **2021**, 7, 48	5.5	0
233	Neuroimaging Association Scores: reliability and validity of aggregate measures of brain structural features linked to mental disorders in youth. *European Child and Adolescent Psychiatry*, **2021**, 30, 1895-1906	5.5	0
232	Hierarchical Extraction of Functional Connectivity Components in Human Brain Using Resting-State fMRI. *IEEE Transactions on Medical Imaging*, **2021**, 40, 940-950	11.7	3
231	Transdiagnostic dimensions of psychopathology explain individualsRunique deviations from normative neurodevelopment in brain structure. *Translational Psychiatry*, **2021**, 11, 232	8.6	9
230	Morphological integration of the human brain across adolescence and adulthood. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	7
229	Network Controllability in Transmodal Cortex Predicts Psychosis Spectrum Symptoms. *Biological Psychiatry*, **2021**, 89, S370-S371	7.9	4
228	Pitfalls in brain age analyses. *Human Brain Mapping*, **2021**, 42, 4092-4101	5.9	11

227	QSIPrep: an integrative platform for preprocessing and reconstructing diffusion MRI data. *Nature Methods*, **2021**, 18, 775-778	21.6	26
226	FlywheelTools: Data Curation and Manipulation on the Flywheel Platform. *Frontiers in Neuroinformatics*, **2021**, 15, 678403	3.9	1
225	Regional White Matter Scaling in the Human Brain. *Journal of Neuroscience*, **2021**, 41, 7015-7028	6.6	0
224	A local group differences test for subject-level multivariate density neuroimaging outcomes. *Biostatistics*, **2021**, 22, 646-661	3.7	
223	Neurocognitive and functional heterogeneity in depressed youth. *Neuropsychopharmacology*, **2021**, 46, 783-790	8.7	3
222	Structural and Functional Brain Parameters Related to Cognitive Performance Across Development: Replication and Extension of the Parieto-Frontal Integration Theory in a Single Sample. *Cerebral Cortex*, **2021**, 31, 1444-1463	5.1	9
221	Virtual Histology of Cortical Thickness and Shared Neurobiology in 6 Psychiatric Disorders. *JAMA Psychiatry*, **2021**, 78, 47-63	14.5	43
220	Combining transcranial magnetic stimulation with functional magnetic resonance imaging for probing and modulating neural circuits relevant to affective disorders. *Wiley Interdisciplinary Reviews: Cognitive Science*, **2021**, 12, e1553	4.5	2
219	Brain Responses to Noxious Stimuli in Patients With Chronic Pain: A Systematic Review and Meta-analysis. *JAMA Network Open*, **2021**, 4, e2032236	10.4	3
218	Diminished reward responsiveness is associated with lower reward network GluCEST: an ultra-high field glutamate imaging study. *Molecular Psychiatry*, **2021**, 26, 2137-2147	15.1	3
217	Cortical thickness across the lifespan: Data from 17,075 healthy individuals aged 3-90 years. *Human Brain Mapping*, **2021**,	5.9	26
216	Subcortical volumes across the lifespan: Data from 18,605 healthy individuals aged 3-90 years. *Human Brain Mapping*, **2021**,	5.9	13
215	Crystallinity characterization of white matter in the human brain. *New Journal of Physics*, **2021**, 23, 073047	2.9	3
214	Neurodevelopment of the association cortices: Patterns, mechanisms, and implications for psychopathology. *Neuron*, **2021**, 109, 2820-2846	13.9	34
213	Network Controllability in Transmodal Cortex Predicts Positive Psychosis Spectrum Symptoms. *Biological Psychiatry*, **2021**, 90, 409-418	7.9	7
212	A simple permutation-based test of intermodal correspondence. *Human Brain Mapping*, **2021**, 42, 5175-5187	5.9	3
211	Developmental Cognitive Neuroscience in the Era of Networks and Big Data: Strengths, Weaknesses, Opportunities, and Threats. *Annual Review of Developmental Psychology*, **2021**, 3,	7.5	3
210	A meta-analysis of deep brain structural shape and asymmetry abnormalities in 2,833 individuals with schizophrenia compared with 3,929 healthy volunteers via the ENIGMA Consortium. *Human Brain Mapping*, **2021**,	5.9	7

209	Cortical and subcortical brain structure in generalized anxiety disorder: findings from 28 research sites in the ENIGMA-Anxiety Working Group. *Translational Psychiatry*, **2021**, 11, 502	8.6	4
208	Towards precise resting-state fMRI biomarkers in psychiatry: synthesizing developments in transdiagnostic research, dimensional models of psychopathology, and normative neurodevelopment. *Current Opinion in Neurobiology*, **2020**, 65, 120-128	7.6	19
207	Engaging endogenous opioid circuits in pain affective processes. *Journal of Neuroscience Research*, **2020**,	4.4	4
206	Control of brain network dynamics across diverse scales of space and time. *Physical Review E*, **2020**, 101, 062301	2.4	7
205	Sex Differences in Variability of Brain Structure Across the Lifespan. *Cerebral Cortex*, **2020**, 30, 5420-5430	5.1	10
204	Increased power by harmonizing structural MRI site differences with the ComBat batch adjustment method in ENIGMA. *NeuroImage*, **2020**, 218, 116956	7.9	32
203	Parsing Psychiatric Heterogeneity Through Common and Unique Circuit-Level Deficits. *Biological Psychiatry*, **2020**, 88, 4-5	7.9	4
202	The Relationship Between White Matter Microstructure and General Cognitive Ability in Patients With Schizophrenia and Healthy Participants in the ENIGMA Consortium. *American Journal of Psychiatry*, **2020**, 177, 537-547	11.9	21
201	Multi-scale network regression for brain-phenotype associations. *Human Brain Mapping*, **2020**, 41, 2553-2566	5.9	10
200	Imaging local genetic influences on cortical folding. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 7430-7436	11.5	13
199	Structural brain networks in remitted psychotic depression. *Neuropsychopharmacology*, **2020**, 45, 1223-1231	7.1	2
198	MRI signatures of brain age and disease over the lifespan based on a deep brain network and 14 468 individuals worldwide. *Brain*, **2020**, 143, 2312-2324	11.2	58
197	Mega-analysis methods in ENIGMA: The experience of the generalized anxiety disorder working group. *Human Brain Mapping*, **2020**,	5.9	19
196	Two distinct neuroanatomical subtypes of schizophrenia revealed using machine learning. *Brain*, **2020**, 143, 1027-1038	11.2	53
195	Individual Variation in Functional Topography of Association Networks in Youth. *Neuron*, **2020**, 106, 340-353.e8	13.9	61
194	Multiple Facets of Value-Based Decision Making in Major Depressive Disorder. *Scientific Reports*, **2020**, 10, 3415	4.9	12
193	Convergent neural representations of experimentally-induced acute pain in healthy volunteers: A large-scale fMRI meta-analysis. *Neuroscience and Biobehavioral Reviews*, **2020**, 112, 300-323	9	28
192	Longitudinal Development of Brain Iron Is Linked to Cognition in Youth. *Journal of Neuroscience*, **2020**, 40, 1810-1818	6.6	20

191	Finding the needle in a high-dimensional haystack: Canonical correlation analysis for neuroscientists. *NeuroImage*, **2020**, 216, 116745	7.9	50
190	Leveraging multi-shell diffusion for studies of brain development in youth and young adulthood. *Developmental Cognitive Neuroscience*, **2020**, 43, 100788	5.5	27
189	Optimization of energy state transition trajectory supports the development of executive function during youth. *ELife*, **2020**, 9,	8.9	19
188	The architecture of co-morbidity networks of physical and mental health conditions in military veterans. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2020**, 476, 20190790	2.4	1
187	Impact of childhood adversity on network reconfiguration dynamics during working memory in hypogonadal women. *Psychoneuroendocrinology*, **2020**, 119, 104710	5	2
186	Reward and punishment reversal-learning in major depressive disorder. *Journal of Abnormal Psychology*, **2020**, 129, 810-823	7	8
185	Temporal sequences of brain activity at rest are constrained by white matter structure and modulated by cognitive demands. *Communications Biology*, **2020**, 3, 261	6.7	36
184	Neurostructural Heterogeneity in Youths With Internalizing Symptoms. *Biological Psychiatry*, **2020**, 87, 473-482	7.9	12
183	A Multidimensional Neural Maturation Index Reveals Reproducible Developmental Patterns in Children and Adolescents. *Journal of Neuroscience*, **2020**, 40, 1265-1275	6.6	17
182	Approaches to Defining Common and Dissociable Neurobiological Deficits Associated With Psychopathology in Youth. *Biological Psychiatry*, **2020**, 88, 51-62	7.9	10
181	Development of structure-function coupling in human brain networks during youth. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 771-778	11.5	97
180	Harmonization of large MRI datasets for the analysis of brain imaging patterns throughout the lifespan. *NeuroImage*, **2020**, 208, 116450	7.9	79
179	Intensity warping for multisite MRI harmonization. *NeuroImage*, **2020**, 223, 117242	7.9	13
178	Precision biomarkers for mood disorders based on brain imaging. *BMJ, The*, **2020**, 371, m3618	5.9	3
177	Greater male than female variability in regional brain structure across the lifespan. *Human Brain Mapping*, **2020**,	5.9	31
176	ENIGMA-anxiety working group: Rationale for and organization of large-scale neuroimaging studies of anxiety disorders. *Human Brain Mapping*, **2020**,	5.9	14
175	Direct and Indirect Associations of Widespread Individual Differences in Brain White Matter Microstructure With Executive Functioning and General and Specific Dimensions of Psychopathology in Children. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2020**,	3.4	1
174	What we learn about bipolar disorder from large-scale neuroimaging: Findings and future directions from the ENIGMA Bipolar Disorder Working Group. *Human Brain Mapping*, **2020**,	5.9	21

173	Structural Brain Patterns Associated with Traumatic Stress Resilience and Susceptibility to Mood and Anxiety Symptoms in Youths. *Adversity and Resilience Science*, **2020**, 1, 179-190	4.3	0
172	Discovering Synchronized Subsets of Sequences: A Large Scale Solution. *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*, **2020**, 2020, 9490-9499	6	0
171	Using structural MRI to identify bipolar disorders - 13 site machine learning study in 3020 individuals from the ENIGMA Bipolar Disorders Working Group. *Molecular Psychiatry*, **2020**, 25, 2130-2143	15.1	71
170	Alterations in white matter microstructure in individuals at persistent risk for psychosis. *Molecular Psychiatry*, **2020**, 25, 2441-2454	15.1	5
169	Associations between Neighborhood SES and Functional Brain Network Development. *Cerebral Cortex*, **2020**, 30, 1-19	5.1	34
168	Unifying the Notions of Modularity and Core-Periphery Structure in Functional Brain Networks during Youth. *Cerebral Cortex*, **2020**, 30, 1087-1102	5.1	3
167	Accelerated cortical thinning within structural brain networks is associated with irritability in youth. *Neuropsychopharmacology*, **2019**, 44, 2254-2262	8.7	12
166	System-level matching of structural and functional connectomes in the human brain. *NeuroImage*, **2019**, 199, 93-104	7.9	23
165	Evidence for Dissociable Linkage of Dimensions of Psychopathology to Brain Structure in Youths. *American Journal of Psychiatry*, **2019**, 176, 1000-1009	11.9	27
164	Burden of Environmental Adversity Associated With Psychopathology, Maturation, and Brain Behavior Parameters in Youths. *JAMA Psychiatry*, **2019**, 76, 966-975	14.5	72
163	Development of a computerized adaptive screening tool for overall psychopathology ("p"). *Journal of Psychiatric Research*, **2019**, 116, 26-33	5.2	17
162	Cannabis use in youth is associated with limited alterations in brain structure. *Neuropsychopharmacology*, **2019**, 44, 1362-1369	8.7	21
161	MIMoSA: An Approach to Automatically Segment T2 Hyperintense and T1 Hypointense Lesions in Multiple Sclerosis. *Lecture Notes in Computer Science*, **2019**, 47-56	0.9	1
160	Sex differences in the developing brain: insights from multimodal neuroimaging. *Neuropsychopharmacology*, **2019**, 44, 71-85	8.7	102
159	Robust spatial extent inference with a semiparametric bootstrap joint inference procedure. *Biometrics*, **2019**, 75, 1145-1155	1.8	5
158	Digital phenotyping for psychiatry: Accommodating data and theory with network science methodologies. *Current Opinion in Biomedical Engineering*, **2019**, 9, 8-13	4.4	21
157	Functional Connectivity of Frontoparietal and Salience/Ventral Attention Networks Have Independent Associations With Co-occurring Attention-Deficit/Hyperactivity Disorder Symptoms in Children With Autism. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2019**, 4, 343-351	3.4	13
156	Sex differences in network controllability as a predictor of executive function in youth. *NeuroImage*, **2019**, 188, 122-134	7.9	30

155	Evaluation of confound regression strategies for the mitigation of micromovement artifact in studies of dynamic resting-state functional connectivity and multilayer network modularity. *Network Neuroscience*, **2019**, 3, 427-454	5.6	26
154	Motion artifact in studies of functional connectivity: Characteristics and mitigation strategies. *Human Brain Mapping*, **2019**, 40, 2033-2051	5.9	69
153	Sex differences in estimated brain metabolism in relation to body growth through adolescence. *Journal of Cerebral Blood Flow and Metabolism*, **2019**, 39, 524-535	7.3	14
152	Association between traumatic stress load, psychopathology, and cognition in the Philadelphia Neurodevelopmental Cohort. *Psychological Medicine*, **2019**, 49, 325-334	6.9	42
151	Gestational Age is Dimensionally Associated with Structural Brain Network Abnormalities Across Development. *Cerebral Cortex*, **2019**, 29, 2102-2114	5.1	12
150	The impact of in-scanner head motion on structural connectivity derived from diffusion MRI. *NeuroImage*, **2018**, 173, 275-286	7.9	57
149	Personalized Neuroscience: Common and Individual-Specific Features in Functional Brain Networks. *Neuron*, **2018**, 98, 243-245	13.9	33
148	Understanding the Emergence of Neuropsychiatric Disorders With Network Neuroscience. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2018**, 3, 742-753	3.4	39
147	Diminished Cortical Thickness Is Associated with Impulsive Choice in Adolescence. *Journal of Neuroscience*, **2018**, 38, 2471-2481	6.6	26
146	Brain state flexibility accompanies motor-skill acquisition. *NeuroImage*, **2018**, 171, 135-147	7.9	20
145	Cognitive Behavioral Therapy Is Associated With Enhanced Cognitive Control Network Activity in Major Depression and Posttraumatic Stress Disorder. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2018**, 3, 311-319	3.4	23
144	Quantitative assessment of structural image quality. *NeuroImage*, **2018**, 169, 407-418	7.9	129
143	Multisite Machine Learning Analysis Provides a Robust Structural Imaging Signature of Schizophrenia Detectable Across Diverse Patient Populations and Within Individuals. *Schizophrenia Bulletin*, **2018**, 44, 1035-1044	1.3	77
142	MIMoSA: An Automated Method for Intermodal Segmentation Analysis of Multiple Sclerosis Brain Lesions. *Journal of Neuroimaging*, **2018**, 28, 389-398	2.8	24
141	Cortical abnormalities in bipolar disorder: an MRI analysis of 6503 individuals from the ENIGMA Bipolar Disorder Working Group. *Molecular Psychiatry*, **2018**, 23, 932-942	15.1	340
140	Prefrontal cortical thinning links to negative symptoms in schizophrenia via the ENIGMA consortium. *Psychological Medicine*, **2018**, 48, 82-94	6.9	66
139	Linked dimensions of psychopathology and connectivity in functional brain networks. *Nature Communications*, **2018**, 9, 3003	17.4	169
138	Shared endo-phenotypes of default mode dsfunction in attention deficit/hyperactivity disorder and autism spectrum disorder. *Translational Psychiatry*, **2018**, 8, 133	8.6	42

137	Network changes associated with transdiagnostic depressive symptom improvement following cognitive behavioral therapy in MDD and PTSD. *Molecular Psychiatry*, **2018**, 23, 2314-2323	15.1	20
136	BRAIN AGE PREDICTION BASED ON RESTING-STATE FUNCTIONAL CONNECTIVITY PATTERNS USING CONVOLUTIONAL NEURAL NETWORKS **2018**, 2018, 101-104	1.5	31
135	Heterogeneity of structural and functional imaging patterns of advanced brain aging revealed via machine learning methods. *Neurobiology of Aging*, **2018**, 71, 41-50	5.6	38
134	Brain state expression and transitions are related to complex executive cognition in normative neurodevelopment. *NeuroImage*, **2018**, 166, 293-306	7.9	28
133	Mitigating head motion artifact in functional connectivity MRI. *Nature Protocols*, **2018**, 13, 2801-2826	18.8	84
132	A dual modeling approach to automatic segmentation of cerebral T2 hyperintensities and T1 black holes in multiple sclerosis. *NeuroImage: Clinical*, **2018**, 20, 1211-1221	5.3	2
131	The regulation of positive and negative emotions through instructed causal attributions in lifetime depression - A functional magnetic resonance imaging study. *NeuroImage: Clinical*, **2018**, 20, 1233-1245	5.3	18
130	Faster family-wise error control for neuroimaging with a parametric bootstrap. *Biostatistics*, **2018**, 19, 497-513	3.7	6
129	Normative brain size variation and brain shape diversity in humans. *Science*, **2018**, 360, 1222-1227	33.3	117
128	On testing for spatial correspondence between maps of human brain structure and function. *NeuroImage*, **2018**, 178, 540-551	7.9	162
127	Cortical Brain Abnormalities in 4474 Individuals With Schizophrenia and 5098 Control Subjects via the Enhancing Neuro Imaging Genetics Through Meta Analysis (ENIGMA) Consortium. *Biological Psychiatry*, **2018**, 84, 644-654	7.9	325
126	Sex-Specific Association Between High Traumatic Stress Exposure and Social Cognitive Functioning in Youths. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2018**, 3, 860-867	3.4	4
125	Classification of multi-site MR images in the presence of heterogeneity using multi-task learning. *NeuroImage: Clinical*, **2018**, 19, 476-486	5.3	20
124	Association of Prenatal Exposure to Population-Wide Folic Acid Fortification With Altered Cerebral Cortex Maturation in Youths. *JAMA Psychiatry*, **2018**, 75, 918-928	14.5	20
123	Evolution of brain network dynamics in neurodevelopment. *Network Neuroscience*, **2017**, 1, 14-30	5.6	66
122	The modular organization of human anatomical brain networks: Accounting for the cost of wiring. *Network Neuroscience*, **2017**, 1, 42-68	5.6	91
121	Common Dimensional Reward Deficits Across Mood and Psychotic Disorders: A Connectome-Wide Association Study. *American Journal of Psychiatry*, **2017**, 174, 657-666	11.9	92
120	Persistence of psychosis spectrum symptoms in the Philadelphia Neurodevelopmental Cohort: a prospective two-year follow-up. *World Psychiatry*, **2017**, 16, 62-76	14.4	59

119	Cognitive behavioral therapy increases amygdala connectivity with the cognitive control network in both MDD and PTSD. *NeuroImage: Clinical*, **2017**, 14, 464-470	5.3	54
118	Age-Related Effects and Sex Differences in Gray Matter Density, Volume, Mass, and Cortical Thickness from Childhood to Young Adulthood. *Journal of Neuroscience*, **2017**, 37, 5065-5073	6.6	152
117	Functional hypergraph uncovers novel covariant structures over neurodevelopment. *Human Brain Mapping*, **2017**, 38, 3823-3835	5.9	23
116	Modular Segregation of Structural Brain Networks Supports the Development of Executive Function in Youth. *Current Biology*, **2017**, 27, 1561-1572.e8	6.3	178
115	Positive symptoms associate with cortical thinning in the superior temporal gyrus via the ENIGMA Schizophrenia consortium. *Acta Psychiatrica Scandinavica*, **2017**, 135, 439-447	6.5	47
114	Impact of Tryptophan Depletion on Executive System Function during Menopause is Moderated by Childhood Adversity. *Neuropsychopharmacology*, **2017**, 42, 2398-2406	8.7	14
113	Patterns of coordinated cortical remodeling during adolescence and their associations with functional specialization and evolutionary expansion. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 3527-3532	11.5	59
112	Benchmarking of participant-level confound regression strategies for the control of motion artifact in studies of functional connectivity. *NeuroImage*, **2017**, 154, 174-187	7.9	501
111	Steeper discounting of delayed rewards in schizophrenia but not first-degree relatives. *Psychiatry Research*, **2017**, 252, 303-309	9.9	21
110	sGraSP: A graph-based method for the derivation of subject-specific functional parcellations of the brain. *Journal of Neuroscience Methods*, **2017**, 277, 1-20	3	5
109	Developmental increases in white matter network controllability support a growing diversity of brain dynamics. *Nature Communications*, **2017**, 8, 1252	17.4	90
108	Globally weaker and topologically different: resting-state connectivity in youth with autism. *Molecular Autism*, **2017**, 8, 39	6.5	25
107	Temporal Lobe Volume Decrements in Psychosis Spectrum Youths. *Schizophrenia Bulletin*, **2017**, 43, 601-610	6.3	16
106	White matter microstructural deficits in 22q11.2 deletion syndrome. *Psychiatry Research - Neuroimaging*, **2017**, 268, 35-44	2.9	14
105	Harmonization of multi-site diffusion tensor imaging data. *NeuroImage*, **2017**, 161, 149-170	7.9	307
104	An Evaluation of the Specificity of Executive Function Impairment in Developmental Psychopathology. *Journal of the American Academy of Child and Adolescent Psychiatry*, **2017**, 56, 975-982.e3	7.3	32
103	Impact of early life adversity and tryptophan depletion on functional connectivity in menopausal women: A double-blind, placebo-controlled crossover study. *Psychoneuroendocrinology*, **2017**, 84, 197-205	5	8
102	Positive affect, surprise, and fatigue are correlates of network flexibility. *Scientific Reports*, **2017**, 7, 520	4.9	84

101	Beyond stereotypes of adolescent risk taking: Placing the adolescent brain in developmental context. *Developmental Cognitive Neuroscience*, **2017**, 27, 19-34	5.5	147
100	Machine Learning for Large-Scale Quality Control of 3D Shape Models in Neuroimaging. *Lecture Notes in Computer Science*, **2017**, 10541, 371-378	0.9	4
99	Large-scale sparse functional networks from resting state fMRI. *NeuroImage*, **2017**, 156, 1-13	7.9	27
98	Subcortical brain volume abnormalities in 2028 individuals with schizophrenia and 2540 healthy controls via the ENIGMA consortium. *Molecular Psychiatry*, **2016**, 21, 547-53	15.1	525
97	The Philadelphia Neurodevelopmental Cohort: A publicly available resource for the study of normal and abnormal brain development in youth. *NeuroImage*, **2016**, 124, 1115-1119	7.9	173
96	Disrupted anatomic networks in the 22q11.2 deletion syndrome. *NeuroImage: Clinical*, **2016**, 12, 420-8	5.3	3
95	Elevated Amygdala Perfusion Mediates Developmental Sex Differences in Trait Anxiety. *Biological Psychiatry*, **2016**, 80, 775-785	7.9	67
94	Divergent relationship of depression severity to social reward responses among patients with bipolar versus unipolar depression. *Psychiatry Research - Neuroimaging*, **2016**, 254, 18-25	2.9	35
93	Common and Dissociable Mechanisms of Executive System Dysfunction Across Psychiatric Disorders in Youth. *American Journal of Psychiatry*, **2016**, 173, 517-26	11.9	125
92	Structural Brain Abnormalities in Youth With Psychosis Spectrum Symptoms. *JAMA Psychiatry*, **2016**, 73, 515-24	14.5	79
91	Diminished effort on a progressive ratio task in both unipolar and bipolar depression. *Journal of Affective Disorders*, **2016**, 196, 97-100	6.6	67
90	Subcortical volumetric abnormalities in bipolar disorder. *Molecular Psychiatry*, **2016**, 21, 1710-1716	15.1	283
89	Establishing a link between sex-related differences in the structural connectome and behaviour. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2016**, 371, 20150111	5.8	96
88	MUSE: MUlti-atlas region Segmentation utilizing Ensembles of registration algorithms and parameters, and locally optimal atlas selection. *NeuroImage*, **2016**, 127, 186-195	7.9	113
87	Dimensional depression severity in women with major depression and post-traumatic stress disorder correlates with fronto-amygdalar hypoconnectivty. *Molecular Psychiatry*, **2016**, 21, 894-902	15.1	55
86	The impact of quality assurance assessment on diffusion tensor imaging outcomes in a large-scale population-based cohort. *NeuroImage*, **2016**, 125, 903-919	7.9	128
85	Development of an itemwise efficiency scoring method: Concurrent, convergent, discriminant, and neuroimaging-based predictive validity assessed in a large community sample. *Psychological Assessment*, **2016**, 28, 1529-1542	5.3	6
84	Subject-level measurement of local cortical coupling. *NeuroImage*, **2016**, 133, 88-97	7.9	12

83	Control-group feature normalization for multivariate pattern analysis of structural MRI data using the support vector machine. *NeuroImage*, **2016**, 132, 157-166	7.9	14
82	Neural Markers of the Development of Executive Function: Relevance for Education. *Current Opinion in Behavioral Sciences*, **2016**, 10, 7-13	4	15
81	Common and Dissociable Dysfunction of the Reward System in Bipolar and Unipolar Depression. *Neuropsychopharmacology*, **2015**, 40, 2258-68	8.7	149
80	Functional neuroimaging abnormalities in youth with psychosis spectrum symptoms. *JAMA Psychiatry*, **2015**, 72, 456-65	14.5	66
79	Towards an Individualized Delineation of Functional Neuroanatomy. *Neuron*, **2015**, 87, 471-3	13.9	20
78	Connectome-wide network analysis of youth with Psychosis-Spectrum symptoms. *Molecular Psychiatry*, **2015**, 20, 1508-15	15.1	78
77	Aberrant Cortical Morphometry in the 22q11.2 Deletion Syndrome. *Biological Psychiatry*, **2015**, 78, 135-43	7.9	53
76	Emergence of system roles in normative neurodevelopment. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 13681-6	11.5	197
75	Identifying Sparse Connectivity Patterns in the brain using resting-state fMRI. *NeuroImage*, **2015**, 105, 286-99	7.9	65
74	Imaging patterns of brain development and their relationship to cognition. *Cerebral Cortex*, **2015**, 25, 1676-84	5.1	133
73	Linked Sex Differences in Cognition and Functional Connectivity in Youth. *Cerebral Cortex*, **2015**, 25, 2383-94	5.1	209
72	Heritability of subcortical and limbic brain volume and shape in multiplex-multigenerational families with schizophrenia. *Biological Psychiatry*, **2015**, 77, 137-46	7.9	29
71	How can studies of resting-state functional connectivity help us understand psychosis as a disorder of brain development?. *Current Opinion in Neurobiology*, **2015**, 30, 85-91	7.6	49
70	Default mode network segregation and social deficits in autism spectrum disorder: Evidence from non-medicated children. *NeuroImage: Clinical*, **2015**, 9, 223-32	5.3	90
69	Temporal stability of network centrality in control and default mode networks: Specific associations with externalizing psychopathology in children and adolescents. *Human Brain Mapping*, **2015**, 36, 4926-37	5.9	19
68	The Philadelphia Neurodevelopmental Cohort: constructing a deep phenotyping collaborative. *Journal of Child Psychology and Psychiatry and Allied Disciplines*, **2015**, 56, 1356-1369	7.9	136
67	GraSP: geodesic Graph-based Segmentation with Shape Priors for the functional parcellation of the cortex. *NeuroImage*, **2015**, 106, 207-21	7.9	45
66	Topologically dissociable patterns of development of the human cerebral cortex. *Journal of Neuroscience*, **2015**, 35, 599-609	6.6	80

65	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. *Brain Imaging and Behavior*, **2014**, 8, 153-82	4.1	539
64	Sex differences in the structural connectome of the human brain. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 823-8	11.5	692
63	Neuroimaging of the Philadelphia neurodevelopmental cohort. *NeuroImage*, **2014**, 86, 544-53	7.9	307
62	Impact of puberty on the evolution of cerebral perfusion during adolescence. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 8643-8	11.5	122
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32	Efficient coding in the economics of human brain connectomics. *Network Neuroscience*,1-40	5.6	1
31	Moving Beyond Processing and Analysis-Related Variation in Neuroscience		4
30	neuromaps: structural and functional interpretation of brain maps		3

29	Optimization of Energy State Transition Trajectory Supports the Development of Executive Function During Youth	1
28	Cannabis Use in Youth is Associated with Limited Alterations in Brain Structure	1
27	Neurostructural Heterogeneity in Youth with Internalizing Symptoms	1
26	Advantages of Multi-shell Diffusion for Studies of Brain Development in Youth	1
25	Structural and functional brain parameters related to cognitive performance across development: Replication and extension of the parieto-frontal integration theory in a single sample	1
24	Development of structure-function coupling in human brain networks during youth	1
23	Sex differences in Variability of Brain Structure Across the Lifespan	1
22	MIMoSA: A Method for Inter-Modal Segmentation Analysis	3
21	Efficient Coding in the Economics of Human Brain Connectomics	3
20	Greater male than female variability in regional brain structure across the lifespan	2
19	Cortical Thickness Trajectories across the Lifespan: Data from 17,075 healthy individuals aged 3-90 years	4
18	Subcortical Volume Trajectories across the Lifespan: Data from 18,605 healthy individuals aged 3-90 years	6
17	Statistical Pitfalls in Brain Age Analyses	3
16	QSIPrep: An integrative platform for preprocessing and reconstructing diffusion MRI	10
15	The correspondence problem: which brain maps are significantly similar?	2
14	Context-dependent architecture of brain state dynamics is explained by white matter connectivity and theories of network control	1
13	Multi-Scale Network Regression for Brain-Phenotype Associations	2
12	Individual Variation in Control Network Topography Supports Executive Function in Youth	1

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9	The Impact of In-Scanner Head Motion on Structural Connectivity Derived from Diffusion Tensor Imaging	1
8	Linked dimensions of psychopathology and connectivity in functional brain networks	1
7	Normative Brain Size Variation and the Remodeling of Brain Shape in Humans	1
6	Network controllability mediates the relationship between rigid structure and flexible dynamics	1
5	A Developmental Reduction of the Excitation:Inhibition Ratio in Association Cortex during Adolescence	1
4	ASLPrep: A Generalizable Platform for Processing of Arterial Spin Labeled MRI and Quantification of Regional Brain Perfusion	1
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