

Bt Thomas Yeo

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.

150
papers

15,472
citations

47
h-index

124
g-index

182
ext. papers

21,796
ext. citations

9.6
avg, IF

6.92
L-index

#	Paper	IF	Citations
150	The organization of the human cerebral cortex estimated by intrinsic functional connectivity. <i>Journal of Neurophysiology</i> , 2011 , 106, 1125-65	3.2	3997
149	The organization of the human cerebellum estimated by intrinsic functional connectivity. <i>Journal of Neurophysiology</i> , 2011 , 106, 2322-45	3.2	1265
148	Local-Global Parcellation of the Human Cerebral Cortex from Intrinsic Functional Connectivity MRI. <i>Cerebral Cortex</i> , 2018 , 28, 3095-3114	5.1	687
147	Individual variability in functional connectivity architecture of the human brain. <i>Neuron</i> , 2013 , 77, 586-95	13.9	634
146	Opportunities and limitations of intrinsic functional connectivity MRI. <i>Nature Neuroscience</i> , 2013 , 16, 832-7	25.5	625
145	Cortical folding patterns and predicting cytoarchitecture. <i>Cerebral Cortex</i> , 2008 , 18, 1973-80	5.1	553
144	The organization of the human striatum estimated by intrinsic functional connectivity. <i>Journal of Neurophysiology</i> , 2012 , 108, 2242-63	3.2	527
143	A generative model for image segmentation based on label fusion. <i>IEEE Transactions on Medical Imaging</i> , 2010 , 29, 1714-29	11.7	353
142	Best practices in data analysis and sharing in neuroimaging using MRI. <i>Nature Neuroscience</i> , 2017 , 20, 299-303	25.5	312
141	The organization of local and distant functional connectivity in the human brain. <i>PLoS Computational Biology</i> , 2010 , 6, e1000808	5	291
140	The modular and integrative functional architecture of the human brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E6798-807	11.5	286
139	Functional Specialization and Flexibility in Human Association Cortex. <i>Cerebral Cortex</i> , 2015 , 25, 3654-72	5.1	265
138	Disruption of cortical association networks in schizophrenia and psychotic bipolar disorder. <i>JAMA Psychiatry</i> , 2014 , 71, 109-18	14.5	261
137	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
136	Spherical demons: fast diffeomorphic landmark-free surface registration. <i>IEEE Transactions on Medical Imaging</i> , 2010 , 29, 650-68	11.7	252
135	Spatial Topography of Individual-Specific Cortical Networks Predicts Human Cognition, Personality, and Emotion. <i>Cerebral Cortex</i> , 2019 , 29, 2533-2551	5.1	227
134	Reconfigurable task-dependent functional coupling modes cluster around a core functional architecture. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369,	5.8	214

133	The dynamics of cortical and hippocampal atrophy in Alzheimer disease. <i>Archives of Neurology</i> , 2011 , 68, 1040-8		207
132	Evaluation of volume-based and surface-based brain image registration methods. <i>NeuroImage</i> , 2010 , 51, 214-20	7.9	194
131	Stepwise connectivity of the modal cortex reveals the multimodal organization of the human brain. <i>Journal of Neuroscience</i> , 2012 , 32, 10649-61	6.6	179
130	Imaging-based parcellations of the human brain. <i>Nature Reviews Neuroscience</i> , 2018 , 19, 672-686	13.5	177
129	Functional connectivity during rested wakefulness predicts vulnerability to sleep deprivation. <i>NeuroImage</i> , 2015 , 111, 147-58	7.9	157
128	Estimates of segregation and overlap of functional connectivity networks in the human cerebral cortex. <i>NeuroImage</i> , 2014 , 88, 212-27	7.9	155
127	Global signal regression strengthens association between resting-state functional connectivity and behavior. <i>NeuroImage</i> , 2019 , 196, 126-141	7.9	141
126	Transcriptional profiles of supragranular-enriched genes associate with corticocortical network architecture in the human brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E469-78	11.5	136
125	Interpreting temporal fluctuations in resting-state functional connectivity MRI. <i>NeuroImage</i> , 2017 , 163, 437-455	7.9	135
124	Towards a Universal Taxonomy of Macro-scale Functional Human Brain Networks. <i>Brain Topography</i> , 2019 , 32, 926-942	4.3	132
123	Measuring and comparing brain cortical surface area and other areal quantities. <i>NeuroImage</i> , 2012 , 61, 1428-43	7.9	117
122	Resting brain dynamics at different timescales capture distinct aspects of human behavior. <i>Nature Communications</i> , 2019 , 10, 2317	17.4	113
121	Inference in the age of big data: Future perspectives on neuroscience. <i>NeuroImage</i> , 2017 , 155, 549-564	7.9	107
120	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
119	Topographic organization of the cerebral cortex and brain cartography. <i>NeuroImage</i> , 2018 , 170, 332-347	7.9	95
118	Bayesian model reveals latent atrophy factors with dissociable cognitive trajectories in Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E6535-E6544	11.5	95
117	A mechanistic model of connector hubs, modularity and cognition. <i>Nature Human Behaviour</i> , 2018 , 2, 765-777	12.8	92
116	Deep neural networks and kernel regression achieve comparable accuracies for functional connectivity prediction of behavior and demographics. <i>NeuroImage</i> , 2020 , 206, 116276	7.9	80

115	Predicting the location of entorhinal cortex from MRI. <i>NeuroImage</i> , 2009 , 47, 8-17	7.9	78
114	The diverse club. <i>Nature Communications</i> , 2017 , 8, 1277	17.4	74
113	DT-REFinD: diffusion tensor registration with exact finite-strain differential. <i>IEEE Transactions on Medical Imaging</i> , 2009 , 28, 1914-28	11.7	73
112	Effects of registration regularization and atlas sharpness on segmentation accuracy. <i>Medical Image Analysis</i> , 2008 , 12, 603-15	15.4	72
111	Subspecialization within default mode nodes characterized in 10,000 UK Biobank participants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 12295-12300	11.5	71
110	Somatosensory-Motor Dysconnectivity Spans Multiple Transdiagnostic Dimensions of Psychopathology. <i>Biological Psychiatry</i> , 2019 , 86, 779-791	7.9	66
109	Gene expression links functional networks across cortex and striatum. <i>Nature Communications</i> , 2018 , 9, 1428	17.4	64
108	Cerebral functional connectivity periodically (de)synchronizes with anatomical constraints. <i>Brain Structure and Function</i> , 2016 , 221, 2985-97	4	59
107	Sex Classification by Resting State Brain Connectivity. <i>Cerebral Cortex</i> , 2020 , 30, 824-835	5.1	56
106	Towards Reproducible Brain-Wide Association Studies		54
105	COVID-19-related mobility reduction: heterogenous effects on sleep and physical activity rhythms. <i>Sleep</i> , 2021 , 44,	1.1	54
104	Learning task-optimal registration cost functions for localizing cytoarchitecture and function in the cerebral cortex. <i>IEEE Transactions on Medical Imaging</i> , 2010 , 29, 1424-41	11.7	50
103	Different scaling of linear models and deep learning in UKBiobank brain images versus machine-learning datasets. <i>Nature Communications</i> , 2020 , 11, 4238	17.4	45
102	The human cortex possesses a reconfigurable dynamic network architecture that is disrupted in psychosis. <i>Nature Communications</i> , 2018 , 9, 1157	17.4	42
101	The default network of the human brain is associated with perceived social isolation. <i>Nature Communications</i> , 2020 , 11, 6393	17.4	40
100	Time of day is associated with paradoxical reductions in global signal fluctuation and functional connectivity. <i>PLoS Biology</i> , 2020 , 18, e3000602	9.7	39
99	Topography and behavioral relevance of the global signal in the human brain. <i>Scientific Reports</i> , 2019 , 9, 14286	4.9	37
98	Best Practices in Data Analysis and Sharing in Neuroimaging using MRI		37

97	Toward Neurosubtypes in Autism. <i>Biological Psychiatry</i> , 2020 , 88, 111-128	7.9	36
96	Convergent molecular, cellular, and cortical neuroimaging signatures of major depressive disorder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 25138-25149 ^{11.5}		35
95	Accurate nonlinear mapping between MNI volumetric and FreeSurfer surface coordinate systems. <i>Human Brain Mapping</i> , 2018 , 39, 3793-3808	5.9	34
94	Reproducible brain-wide association studies require thousands of individuals.. <i>Nature</i> , 2022 , 603, 654-666 ^{10.4}		34
93	Individual-specific fMRI-Subspaces improve functional connectivity prediction of behavior. <i>NeuroImage</i> , 2019 , 189, 804-812	7.9	32
92	Reconciling Dimensional and Categorical Models of Autism Heterogeneity: A Brain Connectomics and Behavioral Study. <i>Biological Psychiatry</i> , 2020 , 87, 1071-1082	7.9	32
91	Co-activated yet disconnected-Neural correlates of eye closures when trying to stay awake. <i>NeuroImage</i> , 2015 , 118, 553-62	7.9	30
90	Borders, map clusters, and supra-areal organization in visual cortex. <i>NeuroImage</i> , 2014 , 93 Pt 2, 292-7	7.9	29
89	On the construction of invertible filter banks on the 2-sphere. <i>IEEE Transactions on Image Processing</i> , 2008 , 17, 283-300	8.7	29
88	Charting brain growth in tandem with brain templates at school age. <i>Science Bulletin</i> , 2020 , 65, 1924-1934 ^{11.6}		27
87	A Spotlight on Bridging Microscale and Macroscale Human Brain Architecture. <i>Neuron</i> , 2017 , 93, 1248-1259 ^{11.9}		26
86	Intrinsic Functional Connectivity of the Brain in Adults with a Single Cerebral Hemisphere. <i>Cell Reports</i> , 2019 , 29, 2398-2407.e4	10.6	26
85	Shaping brain structure: Genetic and phylogenetic axes of macroscale organization of cortical thickness. <i>Science Advances</i> , 2020 , 6,	14.3	25
84	Spherical demons: fast surface registration. <i>Lecture Notes in Computer Science</i> , 2008 , 11, 745-53	0.9	24
83	On removing interpolation and resampling artifacts in rigid image registration. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 816-27	8.7	23
82	Predicting Alzheimer's disease progression using deep recurrent neural networks. <i>NeuroImage</i> , 2020 , 222, 117203	7.9	23
81	Asymmetric image-template registration. <i>Lecture Notes in Computer Science</i> , 2009 , 12, 565-73	0.9	22
80	Shape analysis with overcomplete spherical wavelets. <i>Lecture Notes in Computer Science</i> , 2008 , 11, 468-76 ^{10.9}		19

79	Local-Global Parcellation of the Human Cerebral Cortex From Intrinsic Functional Connectivity MRI		19
78	High-resolution connectomic fingerprints: Mapping neural identity and behavior. <i>NeuroImage</i> , 2021 , 229, 117695	7.9	19
77	The detailed organization of the human cerebellum estimated by intrinsic functional connectivity within the individual. <i>Journal of Neurophysiology</i> , 2021 , 125, 358-384	3.2	19
76	Multi-modal latent factor exploration of atrophy, cognitive and tau heterogeneity in Alzheimer's disease. <i>NeuroImage</i> , 2019 , 201, 116043	7.9	18
75	DTI registration with exact finite-strain differential 2008 ,		18
74	Structure-function coupling in the human connectome: A machine learning approach. <i>NeuroImage</i> , 2021 , 226, 117609	7.9	18
73	Dynamic mode decomposition of resting-state and task fMRI. <i>NeuroImage</i> , 2019 , 194, 42-54	7.9	17
72	Heritability of individualized cortical network topography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	17
71	Agito ergo sum: Correlates of spatio-temporal motion characteristics during fMRI. <i>NeuroImage</i> , 2020 , 209, 116433	7.9	16
70	Harnessing CURATE.AI as a Digital Therapeutics Platform by Identifying N-of-1 Learning Trajectory Profiles. <i>Advanced Therapeutics</i> , 2019 , 2, 1900023	4.9	14
69	Systems neuroscience: A modern map of the human cerebral cortex. <i>Nature</i> , 2016 , 536, 152-4	50.4	14
68	Macroscale and microcircuit dissociation of focal and generalized human epilepsies. <i>Communications Biology</i> , 2020 , 3, 244	6.7	14
67	Shared and unique brain network features predict cognition, personality and mental health in childhood		13
66	Individual-Specific Areal-Level Parcellations Improve Functional Connectivity Prediction of Behavior. <i>Cerebral Cortex</i> , 2021 , 31, 4477-4500	5.1	13
65	Beyond consensus: Embracing heterogeneity in curated neuroimaging meta-analysis. <i>NeuroImage</i> , 2019 , 200, 142-158	7.9	12
64	Cortical Folding Development Study based on Over-Complete Spherical Wavelets. <i>Proceedings of the IEEE International Conference on Computer Vision</i> , 2007 , 2007,	3.3	12
63	Differences in subcortico-cortical interactions identified from connectome and microcircuit models in autism. <i>Nature Communications</i> , 2021 , 12, 2225	17.4	12
62	Modeling Alzheimer's disease progression using deep recurrent neural networks 2018 ,		11

61	Is deep learning better than kernel regression for functional connectivity prediction of fluid intelligence? 2018 ,		11
60	Personality and local brain structure: Their shared genetic basis and reproducibility. <i>NeuroImage</i> , 2020 , 220, 117067	7.9	10
59	Effects of registration regularization and atlas sharpness on segmentation accuracy 2007 , 10, 683-91		10
58	Deep learning for brains?: Different linear and nonlinear scaling in UK Biobank brain images vs. machine-learning datasets		10
57	Overlapping attentional networks yield divergent behavioral predictions across tasks: Neuromarkers for diffuse and focused attention?. <i>NeuroImage</i> , 2020 , 209, 116535	7.9	9
56	Latent atrophy factors related to phenotypical variants of posterior cortical atrophy. <i>Neurology</i> , 2020 , 95, e1672-e1685	6.5	9
55	Data-Driven Extraction of a Nested Model of Human Brain Function. <i>Journal of Neuroscience</i> , 2017 , 37, 7263-7277	6.6	8
54	The interrelation of sleep and mental and physical health is anchored in grey-matter neuroanatomy and under genetic control. <i>Communications Biology</i> , 2020 , 3, 171	6.7	7
53	Spatial Topography of Individual-Specific Cortical Networks Predicts Human Cognition, Personality and Emotion		7
52	Maximizing dissimilarity in resting state detects heterogeneous subtypes in healthy population associated with high substance use and problems in antisocial personality. <i>Human Brain Mapping</i> , 2020 , 41, 1261-1273	5.9	7
51	From phenotypic chaos to neurobiological order. <i>Nature Neuroscience</i> , 2015 , 18, 1532-4	25.5	6
50	Supervised nonparametric image parcellation. <i>Lecture Notes in Computer Science</i> , 2009 , 12, 1075-83	0.9	6
49	Interpreting Temporal Fluctuations in Resting-State Functional Connectivity MRI		6
48	Connectome and microcircuit models implicate atypical subcortico-cortical interactions in autism pathophysiology		
47	Global Signal Regression Strengthens Association between Resting-State Functional Connectivity and Behavior		6
46	Deep learning identifies partially overlapping subnetworks in the human social brain. <i>Communications Biology</i> , 2021 , 4, 65	6.7	6
45	Individual-Specific Areal-Level Parcellations Improve Functional Connectivity Prediction of Behavior		6
44	Inter-subject and inter-parcellation variability of resting-state whole-brain dynamical modeling. <i>NeuroImage</i> , 2021 , 236, 118201	7.9	6

43	Task-optimal registration cost functions. <i>Lecture Notes in Computer Science</i> , 2009 , 12, 598-606	0.9	5
42	Multi-subject Stochastic Blockmodels for adaptive analysis of individual differences in human brain network cluster structure. <i>NeuroImage</i> , 2020 , 220, 116611	7.9	4
41	What Data to Co-register for Computing Atlases. <i>Proceedings of the IEEE International Conference on Computer Vision</i> , 2007 , 2007,	3.3	4
40	Invertible Filter Banks on the 2-Sphere 2006 ,		4
39	Sensory-motor cortices shape functional connectivity dynamics in the human brain. <i>Nature Communications</i> , 2021 , 12, 6373	17.4	4
38	Meta-matching: a simple framework to translate phenotypic predictive models from big to small data		4
37	Shaping Brain Structure: Genetic and Phylogenetic Axes of Macro Scale Organization of Cortical Thickness		4
36	Deep Neural Networks and Kernel Regression Achieve Comparable Accuracies for Functional Connectivity Prediction of Behavior and Demographics		4
35	Sex classification by resting state brain connectivity		4
34	Anatomical and Functional Gradients Shape Dynamic Functional Connectivity in the Human Brain		4
33	Nonparametric Mixture Models for Supervised Image Parcellation 2009 , 12, 301-313		3
32	Towards Neurosubtypes in Autism		3
31	Somatosensory-Motor Dysconnectivity Spans Multiple Transdiagnostic Dimensions of Psychopathology		3
30	Convergent molecular, cellular, and neural signatures of major depressive disorder		3
29	The Detailed Organization of the Human Cerebellum Estimated by Intrinsic Functional Connectivity Within the Individual		3
28	Accurate Nonlinear Mapping between MNI Volumetric and FreeSurfer Surface Coordinate Systems		3
27	Reconciling Dimensional and Categorical Models of Autism Heterogeneity: a Brain Connectomics & Behavioral Study		3
26	Predicting Alzheimer's disease progression using deep recurrent neural networks		3

25	A Connectivity-Based Psychometric Prediction Framework for Brain-Behavior Relationship Studies. <i>Cerebral Cortex</i> , 2021 , 31, 3732-3751	5.1	3
24	Interpreting null models of resting-state functional MRI dynamics: not throwing the model out with the hypothesis. <i>NeuroImage</i> , 2021 , 243, 118518	7.9	3
23	Shared and unique brain network features predict cognitive, personality, and mental health scores in the ABCD study.. <i>Nature Communications</i> , 2022 , 13, 2217	17.4	3
22	Meta-matching as a simple framework to translate phenotypic predictive models from big to small data.. <i>Nature Neuroscience</i> , 2022 ,	25.5	3
21	Heritability of individualized cortical network topography		2
20	Personality and local brain structure: their shared genetic basis and reproducibility		2
19	Collapsed variational bayesian inference of the author-topic model: application to large-scale coordinate-based meta-analysis 2016 ,		2
18	Genetic and phylogenetic uncoupling of structure and function in human transmodal cortex.. <i>Nature Communications</i> , 2022 , 13, 2341	17.4	2
17	Dynamic primitives of brain network interaction Special Issue "Advances in Mapping the Connectome".. <i>NeuroImage</i> , 2022 , 250, 118928	7.9	1
16	Multi-modal Latent Factor Exploration of Atrophy, Cognitive and Tau Heterogeneity in Alzheimer's Disease		1
15	Generating Templates and Growth Charts for School-Aged Brain Development		1
14	Hidden population modes in social brain morphology: Its parts are more than its sum		1
13	Dynamic mode decomposition of resting-state and task fMRI		1
12	Data-driven detection of latent atrophy factors related to phenotypical variants of posterior cortical atrophy		1
11	Bayesian model reveals latent atrophy factors with dissociable cognitive trajectories in Alzheimer's disease		1
10	Precision Neuroimaging Opens a New Chapter of Neuroplasticity Experimentation. <i>Neuron</i> , 2020 , 107, 401-403	13.9	1
9	Interpreting Null Models of Resting-State Functional MRI		1
8	Genetic and phylogenetic uncoupling of structure and function in human transmodal cortex		1

7	Large-Scale Intrinsic Functional Brain Organization Emerges from Three Canonical Spatiotemporal Patterns		1
6	Behavioral, Anatomical and Heritable Convergence of Affect and Cognition in Superior Frontal Cortex. <i>NeuroImage</i> , 2021 , 243, 118561	7.9	1
5	Cross-ethnicity/race generalization failure of behavioral prediction from resting-state functional connectivity.. <i>Science Advances</i> , 2022 , 8, eabj1812	14.3	1
4	Population heterogeneity in clinical cohorts affects the predictive accuracy of brain imaging.. <i>PLoS Biology</i> , 2022 , 20, e3001627	9.7	1
3	Control theory illustrates the energy efficiency in the dynamic reconfiguration of functional connectivity.. <i>Communications Biology</i> , 2022 , 5, 295	6.7	0
2	Automatic Labeling of the Human Cerebral Cortex 2015 , 357-363		
1	Functional connectivity parcellation of the human brain 2016 , 3-29		