

Bt Thomas Yeo

List of Publications by Year in descending order

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Version: 2024-02-01

128
papers

28,278
citations

26567

56
h-index

22764

112
g-index

182
all docs

182
docs citations

182
times ranked

20307
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic primitives of brain network interaction. <i>NeuroImage</i> , 2022, 250, 118928.	2.1	18
2	Reproducible brain-wide association studies require thousands of individuals. <i>Nature</i> , 2022, 603, 654-660.	13.7	842
3	Cross-ethnicity/race generalization failure of behavioral prediction from resting-state functional connectivity. <i>Science Advances</i> , 2022, 8, eabj1812.	4.7	45
4	Control theory illustrates the energy efficiency in the dynamic reconfiguration of functional connectivity. <i>Communications Biology</i> , 2022, 5, 295.	2.0	7
5	Shared and unique brain network features predict cognitive, personality, and mental health scores in the ABCD study. <i>Nature Communications</i> , 2022, 13, 2217.	5.8	67
6	Population heterogeneity in clinical cohorts affects the predictive accuracy of brain imaging. <i>PLoS Biology</i> , 2022, 20, e3001627.	2.6	17
7	Genetic and phylogenetic uncoupling of structure and function in human transmodal cortex. <i>Nature Communications</i> , 2022, 13, 2341.	5.8	54
8	Meta-matching as a simple framework to translate phenotypic predictive models from big to small data. <i>Nature Neuroscience</i> , 2022, 25, 795-804.	7.1	29
9	Proportional intracranial volume correction differentially biases behavioral predictions across neuroanatomical features, sexes, and development. <i>NeuroImage</i> , 2022, 260, 119485.	2.1	13
10	Structure-function coupling in the human connectome: A machine learning approach. <i>NeuroImage</i> , 2021, 226, 117609.	2.1	69
11	The detailed organization of the human cerebellum estimated by intrinsic functional connectivity within the individual. <i>Journal of Neurophysiology</i> , 2021, 125, 358-384.	0.9	70
12	COVID-19-related mobility reduction: heterogenous effects on sleep and physical activity rhythms. <i>Sleep</i> , 2021, 44, .	0.6	103
13	Deep learning identifies partially overlapping subnetworks in the human social brain. <i>Communications Biology</i> , 2021, 4, 65.	2.0	11
14	Heritability of individualized cortical network topography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	59
15	A Connectivity-Based Psychometric Prediction Framework for Brainâ€Behavior Relationship Studies. <i>Cerebral Cortex</i> , 2021, 31, 3732-3751.	1.6	11
16	Differences in subcortico-cortical interactions identified from connectome and microcircuit models in autism. <i>Nature Communications</i> , 2021, 12, 2225.	5.8	63
17	High-resolution connectomic fingerprints: Mapping neural identity and behavior. <i>NeuroImage</i> , 2021, 229, 117695.	2.1	65
18	Individual-Specific Areal-Level Parcellations Improve Functional Connectivity Prediction of Behavior. <i>Cerebral Cortex</i> , 2021, 31, 4477-4500.	1.6	104

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19	Inter-subject and inter-parcellation variability of resting-state whole-brain dynamical modeling. <i>NeuroImage</i> , 2021, 236, 118201.	2.1	21
20	Behavioral, Anatomical and Heritable Convergence of Affect and Cognition in Superior Frontal Cortex. <i>NeuroImage</i> , 2021, 243, 118561.	2.1	11
21	Interpreting null models of resting-state functional MRI dynamics: not throwing the model out with the hypothesis. <i>NeuroImage</i> , 2021, 243, 118518.	2.1	24
22	Sensory-motor cortices shape functional connectivity dynamics in the human brain. <i>Nature Communications</i> , 2021, 12, 6373.	5.8	48
23	Deep neural networks and kernel regression achieve comparable accuracies for functional connectivity prediction of behavior and demographics. <i>NeuroImage</i> , 2020, 206, 116276.	2.1	187
24	Sex Classification by Resting State Brain Connectivity. <i>Cerebral Cortex</i> , 2020, 30, 824-835.	1.6	115
25	Reconciling Dimensional and Categorical Models of Autism Heterogeneity: A Brain Connectomics and Behavioral Study. <i>Biological Psychiatry</i> , 2020, 87, 1071-1082.	0.7	76
26	Agito ergo sum: Correlates of spatio-temporal motion characteristics during fMRI. <i>NeuroImage</i> , 2020, 209, 116433.	2.1	28
27	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.	1.9	10
28	Latent atrophy factors related to phenotypical variants of posterior cortical atrophy. <i>Neurology</i> , 2020, 95, e1672-e1685.	1.5	19
29	Charting brain growth in tandem with brain templates at school age. <i>Science Bulletin</i> , 2020, 65, 1924-1934.	4.3	52
30	Predicting Alzheimer's disease progression using deep recurrent neural networks. <i>NeuroImage</i> , 2020, 222, 117203.	2.1	76
31	Precision Neuroimaging Opens a New Chapter of Neuroplasticity Experimentation. <i>Neuron</i> , 2020, 107, 401-403.	3.8	6
32	Shaping brain structure: Genetic and phylogenetic axes of macroscale organization of cortical thickness. <i>Science Advances</i> , 2020, 6, .	4.7	97
33	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.	3.3	90
34	Different scaling of linear models and deep learning in UKBiobank brain images versus machine-learning datasets. <i>Nature Communications</i> , 2020, 11, 4238.	5.8	156
35	The default network of the human brain is associated with perceived social isolation. <i>Nature Communications</i> , 2020, 11, 6393.	5.8	108
36	Personality and local brain structure: Their shared genetic basis and reproducibility. <i>NeuroImage</i> , 2020, 220, 117067.	2.1	24

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37	Multi-subject Stochastic Blockmodels for adaptive analysis of individual differences in human brain network cluster structure. <i>NeuroImage</i> , 2020, 220, 116611.	2.1	7
38	Time of day is associated with paradoxical reductions in global signal fluctuation and functional connectivity. <i>PLoS Biology</i> , 2020, 18, e3000602.	2.6	85
39	Overlapping attentional networks yield divergent behavioral predictions across tasks: Neuromarkers for diffuse and focused attention?. <i>NeuroImage</i> , 2020, 209, 116535.	2.1	22
40	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.	2.0	24
41	Toward Neurosubtypes in Autism. <i>Biological Psychiatry</i> , 2020, 88, 111-128.	0.7	97
42	Macroscale and microcircuit dissociation of focal and generalized human epilepsies. <i>Communications Biology</i> , 2020, 3, 244.	2.0	34
43	Title is missing!. , 2020, 18, e3000602.		0
44	Title is missing!. , 2020, 18, e3000602.		0
45	Title is missing!. , 2020, 18, e3000602.		0
46	Title is missing!. , 2020, 18, e3000602.		0
47	Title is missing!. , 2020, 18, e3000602.		0
48	Title is missing!. , 2020, 18, e3000602.		0
49	Spatial Topography of Individual-Specific Cortical Networks Predicts Human Cognition, Personality, and Emotion. <i>Cerebral Cortex</i> , 2019, 29, 2533-2551.	1.6	430
50	Multi-modal latent factor exploration of atrophy, cognitive and tau heterogeneity in Alzheimer's disease. <i>NeuroImage</i> , 2019, 201, 116043.	2.1	38
51	Somatosensory-Motor Dysconnectivity Spans Multiple Transdiagnostic Dimensions of Psychopathology. <i>Biological Psychiatry</i> , 2019, 86, 779-791.	0.7	162
52	Towards a Universal Taxonomy of Macro-scale Functional Human Brain Networks. <i>Brain Topography</i> , 2019, 32, 926-942.	0.8	401
53	Topography and behavioral relevance of the global signal in the human brain. <i>Scientific Reports</i> , 2019, 9, 14286.	1.6	77
54	Resting brain dynamics at different timescales capture distinct aspects of human behavior. <i>Nature Communications</i> , 2019, 10, 2317.	5.8	208

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55	Harnessing CURATE.AI as a Digital Therapeutics Platform by Identifying N��f�� Learning Trajectory Profiles. <i>Advanced Therapeutics</i> , 2019, 2, 1900023.	1.6	27
56	Beyond consensus: Embracing heterogeneity in curated neuroimaging meta-analysis. <i>NeuroImage</i> , 2019, 200, 142-158.	2.1	19
57	Dynamic mode decomposition of resting-state and task fMRI. <i>NeuroImage</i> , 2019, 194, 42-54.	2.1	54
58	Global signal regression strengthens association between resting-state functional connectivity and behavior. <i>NeuroImage</i> , 2019, 196, 126-141.	2.1	292
59	Individual-specific fMRI-Subspaces improve functional connectivity prediction of behavior. <i>NeuroImage</i> , 2019, 189, 804-812.	2.1	55
60	Intrinsic Functional Connectivity of the Brain in Adults with a Single Cerebral Hemisphere. <i>Cell Reports</i> , 2019, 29, 2398-2407.e4.	2.9	44
61	Inversion of a large-scale circuit model reveals a cortical hierarchy in the dynamic resting human brain. <i>Science Advances</i> , 2019, 5, eaat7854.	4.7	192
62	Gene expression links functional networks across cortex and striatum. <i>Nature Communications</i> , 2018, 9, 1428.	5.8	110
63	The human cortex possesses a reconfigurable dynamic network architecture that is disrupted in psychosis. <i>Nature Communications</i> , 2018, 9, 1157.	5.8	65
64	Topographic organization of the cerebral cortex and brain cartography. <i>NeuroImage</i> , 2018, 170, 332-347.	2.1	148
65	Local-Global Parcellation of the Human Cerebral Cortex from Intrinsic Functional Connectivity MRI. <i>Cerebral Cortex</i> , 2018, 28, 3095-3114.	1.6	1,804
66	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.	3.3	125
67	Imaging-based parcellations of the human brain. <i>Nature Reviews Neuroscience</i> , 2018, 19, 672-686.	4.9	326
68	A mechanistic model of connector hubs, modularity and cognition. <i>Nature Human Behaviour</i> , 2018, 2, 765-777.	6.2	187
69	Accurate nonlinear mapping between MNI volumetric and FreeSurfer surface coordinate systems. <i>Human Brain Mapping</i> , 2018, 39, 3793-3808.	1.9	75
70	Modeling Alzheimer��'s disease progression using deep recurrent neural networks. , 2018, , .		26
71	Is deep learning better than kernel regression for functional connectivity prediction of fluid intelligence?. , 2018, , .		18
72	Best practices in data analysis and sharing in neuroimaging using MRI. <i>Nature Neuroscience</i> , 2017, 20, 299-303.	7.1	482

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73	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.	2.1	402
74	Inference in the age of big data: Future perspectives on neuroscience. <i>NeuroImage</i> , 2017, 155, 549-564.	2.1	161
75	Data-Driven Extraction of a Nested Model of Human Brain Function. <i>Journal of Neuroscience</i> , 2017, 37, 7263-7277.	1.7	18
76	A Spotlight on Bridging Microscale and Macroscale Human Brain Architecture. <i>Neuron</i> , 2017, 93, 1248-1251.	3.8	47
77	Interpreting temporal fluctuations in resting-state functional connectivity MRI. <i>NeuroImage</i> , 2017, 163, 437-455.	2.1	234
78	The diverse club. <i>Nature Communications</i> , 2017, 8, 1277.	5.8	124
79	Functional connectivity parcellation of the human brain. , 2016, , 3-29.		0
80	Collapsed variational bayesian inference of the author-topic model: application to large-scale coordinate-based meta-analysis. , 2016, , .		3
81	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.	3.3	137
82	A modern map of the human cerebral cortex. <i>Nature</i> , 2016, 536, 152-154.	13.7	18
83	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.	3.3	190
84	Cerebral functional connectivity periodically (de)synchronizes with anatomical constraints. <i>Brain Structure and Function</i> , 2016, 221, 2985-2997.	1.2	76
85	Functional connectivity during rested wakefulness predicts vulnerability to sleep deprivation. <i>NeuroImage</i> , 2015, 111, 147-158.	2.1	230
86	Co-activated yet disconnected "Neural correlates of eye closures when trying to stay awake. <i>NeuroImage</i> , 2015, 118, 553-562.	2.1	41
87	Automatic Labeling of the Human Cerebral Cortex. , 2015, , 357-363.		0
88	From phenotypic chaos to neurobiological order. <i>Nature Neuroscience</i> , 2015, 18, 1532-1534.	7.1	6
89	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.	3.3	474
90	Functional Specialization and Flexibility in Human Association Cortex. <i>Cerebral Cortex</i> , 2015, 25, 3654-3672.	1.6	361

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91	Disruption of Cortical Association Networks in Schizophrenia and Psychotic Bipolar Disorder. JAMA Psychiatry, 2014, 71, 109.	6.0	332
92	Estimates of segregation and overlap of functional connectivity networks in the human cerebral cortex. NeuroImage, 2014, 88, 212-227.	2.1	220
93	Reconfigurable task-dependent functional coupling modes cluster around a core functional architecture. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130526.	1.8	342
94	Borders, map clusters, and supra-areal organization in visual cortex. NeuroImage, 2014, 93, 292-297.	2.1	42
95	Individual Variability in Functional Connectivity Architecture of the Human Brain. Neuron, 2013, 77, 586-595.	3.8	949
96	On Removing Interpolation and Resampling Artifacts in Rigid Image Registration. IEEE Transactions on Image Processing, 2013, 22, 816-827.	6.0	28
97	Opportunities and limitations of intrinsic functional connectivity MRI. Nature Neuroscience, 2013, 16, 832-837.	7.1	821
98	The organization of the human striatum estimated by intrinsic functional connectivity. Journal of Neurophysiology, 2012, 108, 2242-2263.	0.9	696
99	Measuring and comparing brain cortical surface area and other areal quantities. NeuroImage, 2012, 61, 1428-1443.	2.1	157
100	Stepwise Connectivity of the Modal Cortex Reveals the Multimodal Organization of the Human Brain. Journal of Neuroscience, 2012, 32, 10649-10661.	1.7	253
101	The organization of the human cerebellum estimated by intrinsic functional connectivity. Journal of Neurophysiology, 2011, 106, 2322-2345.	0.9	3,788
102	The organization of the human cerebral cortex estimated by intrinsic functional connectivity. Journal of Neurophysiology, 2011, 106, 1125-1165.	0.9	6,420
103	The Dynamics of Cortical and Hippocampal Atrophy in Alzheimer Disease. Archives of Neurology, 2011, 68, 1040.	4.9	267
104	An automated pipeline for cortical surface generation and registration of the cerebral cortex. , 2011, , .		1
105	Spherical Demons: Fast Diffeomorphic Landmark-Free Surface Registration. IEEE Transactions on Medical Imaging, 2010, 29, 650-668.	5.4	301
106	Learning Task-Optimal Registration Cost Functions for Localizing Cytoarchitecture and Function in the Cerebral Cortex. IEEE Transactions on Medical Imaging, 2010, 29, 1424-1441.	5.4	57
107	A Generative Model for Image Segmentation Based on Label Fusion. IEEE Transactions on Medical Imaging, 2010, 29, 1714-1729.	5.4	423
108	The Organization of Local and Distant Functional Connectivity in the Human Brain. PLoS Computational Biology, 2010, 6, e1000808.	1.5	362

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109	Evaluation of volume-based and surface-based brain image registration methods. <i>NeuroImage</i> , 2010, 51, 214-220.	2.1	237
110	Rotational Registration of Spherical Surfaces Represented as QuadEdge Meshes. <i>The Insight Journal</i> , 2010, , .	0.2	0
111	Iterative Smoothing of Field Data in Spherical Meshes. <i>The Insight Journal</i> , 2010, , .	0.2	0
112	Spherical Demons Registration of Spherical Surfaces. <i>The Insight Journal</i> , 2010, , .	0.2	0
113	DT-REFinD: Diffusion Tensor Registration With Exact Finite-Strain Differential. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 1914-1928.	5.4	84
114	Predicting the location of entorhinal cortex from MRI. <i>NeuroImage</i> , 2009, 47, 8-17.	2.1	94
115	Asymmetric Image-Template Registration. <i>Lecture Notes in Computer Science</i> , 2009, 12, 565-573.	1.0	26
116	Supervised Nonparametric Image Parcellation. <i>Lecture Notes in Computer Science</i> , 2009, 12, 1075-1083.	1.0	6
117	Task-Optimal Registration Cost Functions. <i>Lecture Notes in Computer Science</i> , 2009, 12, 598-606.	1.0	6
118	Nonparametric Mixture Models for Supervised Image Parcellation. , 2009, 12, 301-313.		3
119	Effects of registration regularization and atlas sharpness on segmentation accuracy. <i>Medical Image Analysis</i> , 2008, 12, 603-615.	7.0	82
120	DTI registration with exact finite-strain differential. , 2008, , .		19
121	On the Construction of Invertible Filter Banks on the 2-Sphere. <i>IEEE Transactions on Image Processing</i> , 2008, 17, 283-300.	6.0	38
122	Cortical Folding Patterns and Predicting Cytoarchitecture. <i>Cerebral Cortex</i> , 2008, 18, 1973-1980.	1.6	691
123	Shape Analysis with Overcomplete Spherical Wavelets. <i>Lecture Notes in Computer Science</i> , 2008, 11, 468-476.	1.0	19
124	Spherical Demons: Fast Surface Registration. <i>Lecture Notes in Computer Science</i> , 2008, 11, 745-753.	1.0	38
125	Cortical Folding Development Study based on Over-Complete Spherical Wavelets. , 2007, 2007, .		14
126	What Data to Co-register for Computing Atlases. , 2007, 2007, .		5

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127	Effects of Registration Regularization and Atlas Sharpness on Segmentation Accuracy. , 2007, 10, 683-691.		10
128	Invertible Filter Banks on the 2-Sphere. , 2006, , .		4