

# 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	The organization of the human cerebral cortex estimated by intrinsic functional connectivity. <i>Journal of Neurophysiology</i> , 2011, 106, 1125-1165.	0.9	6,420
2	The organization of the human cerebellum estimated by intrinsic functional connectivity. <i>Journal of Neurophysiology</i> , 2011, 106, 2322-2345.	0.9	3,788
3	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
4	Individual Variability in Functional Connectivity Architecture of the Human Brain. <i>Neuron</i> , 2013, 77, 586-595.	3.8	949
5	Reproducible brain-wide association studies require thousands of individuals. <i>Nature</i> , 2022, 603, 654-660.	13.7	842
6	Opportunities and limitations of intrinsic functional connectivity MRI. <i>Nature Neuroscience</i> , 2013, 16, 832-837.	7.1	821
7	The organization of the human striatum estimated by intrinsic functional connectivity. <i>Journal of Neurophysiology</i> , 2012, 108, 2242-2263.	0.9	696
8	Cortical Folding Patterns and Predicting Cytoarchitecture. <i>Cerebral Cortex</i> , 2008, 18, 1973-1980.	1.6	691
9	Best practices in data analysis and sharing in neuroimaging using MRI. <i>Nature Neuroscience</i> , 2017, 20, 299-303.	7.1	482
10	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
11	Spatial Topography of Individual-Specific Cortical Networks Predicts Human Cognition, Personality, and Emotion. <i>Cerebral Cortex</i> , 2019, 29, 2533-2551.	1.6	430
12	A Generative Model for Image Segmentation Based on Label Fusion. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 1714-1729.	5.4	423
13	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
14	Towards a Universal Taxonomy of Macro-scale Functional Human Brain Networks. <i>Brain Topography</i> , 2019, 32, 926-942.	0.8	401
15	The Organization of Local and Distant Functional Connectivity in the Human Brain. <i>PLoS Computational Biology</i> , 2010, 6, e1000808.	1.5	362
16	Functional Specialization and Flexibility in Human Association Cortex. <i>Cerebral Cortex</i> , 2015, 25, 3654-3672.	1.6	361
17	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, 20130526.	1.8	342
18	Disruption of Cortical Association Networks in Schizophrenia and Psychotic Bipolar Disorder. <i>JAMA Psychiatry</i> , 2014, 71, 109.	6.0	332

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19	Imaging-based parcellations of the human brain. <i>Nature Reviews Neuroscience</i> , 2018, 19, 672-686.	4.9	326
20	Spherical Demons: Fast Diffeomorphic Landmark-Free Surface Registration. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 650-668.	5.4	301
21	Global signal regression strengthens association between resting-state functional connectivity and behavior. <i>NeuroImage</i> , 2019, 196, 126-141.	2.1	292
22	The Dynamics of Cortical and Hippocampal Atrophy in Alzheimer Disease. <i>Archives of Neurology</i> , 2011, 68, 1040.	4.9	267
23	Stepwise Connectivity of the Modal Cortex Reveals the Multimodal Organization of the Human Brain. <i>Journal of Neuroscience</i> , 2012, 32, 10649-10661.	1.7	253
24	Evaluation of volume-based and surface-based brain image registration methods. <i>NeuroImage</i> , 2010, 51, 214-220.	2.1	237
25	Interpreting temporal fluctuations in resting-state functional connectivity MRI. <i>NeuroImage</i> , 2017, 163, 437-455.	2.1	234
26	Functional connectivity during rested wakefulness predicts vulnerability to sleep deprivation. <i>NeuroImage</i> , 2015, 111, 147-158.	2.1	230
27	Estimates of segregation and overlap of functional connectivity networks in the human cerebral cortex. <i>NeuroImage</i> , 2014, 88, 212-227.	2.1	220
28	Resting brain dynamics at different timescales capture distinct aspects of human behavior. <i>Nature Communications</i> , 2019, 10, 2317.	5.8	208
29	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
30	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
31	A mechanistic model of connector hubs, modularity and cognition. <i>Nature Human Behaviour</i> , 2018, 2, 765-777.	6.2	187
32	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
33	Somatosensory-Motor Dysconnectivity Spans Multiple Transdiagnostic Dimensions of Psychopathology. <i>Biological Psychiatry</i> , 2019, 86, 779-791.	0.7	162
34	Inference in the age of big data: Future perspectives on neuroscience. <i>NeuroImage</i> , 2017, 155, 549-564.	2.1	161
35	Measuring and comparing brain cortical surface area and other areal quantities. <i>NeuroImage</i> , 2012, 61, 1428-1443.	2.1	157
36	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

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37	Topographic organization of the cerebral cortex and brain cartography. <i>NeuroImage</i> , 2018, 170, 332-347.	2.1	148
38	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
39	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
40	The diverse club. <i>Nature Communications</i> , 2017, 8, 1277.	5.8	124
41	Sex Classification by Resting State Brain Connectivity. <i>Cerebral Cortex</i> , 2020, 30, 824-835.	1.6	115
42	Gene expression links functional networks across cortex and striatum. <i>Nature Communications</i> , 2018, 9, 1428.	5.8	110
43	The default network of the human brain is associated with perceived social isolation. <i>Nature Communications</i> , 2020, 11, 6393.	5.8	108
44	Individual-Specific Areal-Level Parcellations Improve Functional Connectivity Prediction of Behavior. <i>Cerebral Cortex</i> , 2021, 31, 4477-4500.	1.6	104
45	COVID-19-related mobility reduction: heterogenous effects on sleep and physical activity rhythms. <i>Sleep</i> , 2021, 44, .	0.6	103
46	Shaping brain structure: Genetic and phylogenetic axes of macroscale organization of cortical thickness. <i>Science Advances</i> , 2020, 6, .	4.7	97
47	Toward Neurosubtypes in Autism. <i>Biological Psychiatry</i> , 2020, 88, 111-128.	0.7	97
48	Predicting the location of entorhinal cortex from MRI. <i>NeuroImage</i> , 2009, 47, 8-17.	2.1	94
49	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
50	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
51	DT-REFinD: Diffusion Tensor Registration With Exact Finite-Strain Differential. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 1914-1928.	5.4	84
52	Effects of registration regularization and atlas sharpness on segmentation accuracy. <i>Medical Image Analysis</i> , 2008, 12, 603-615.	7.0	82
53	Topography and behavioral relevance of the global signal in the human brain. <i>Scientific Reports</i> , 2019, 9, 14286.	1.6	77
54	Cerebral functional connectivity periodically (de)synchronizes with anatomical constraints. <i>Brain Structure and Function</i> , 2016, 221, 2985-2997.	1.2	76

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55	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
56	Predicting Alzheimer's disease progression using deep recurrent neural networks. <i>NeuroImage</i> , 2020, 222, 117203.	2.1	76
57	Accurate nonlinear mapping between MNI volumetric and FreeSurfer surface coordinate systems. <i>Human Brain Mapping</i> , 2018, 39, 3793-3808.	1.9	75
58	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
59	Structure-function coupling in the human connectome: A machine learning approach. <i>NeuroImage</i> , 2021, 226, 117609.	2.1	69
60	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
61	The human cortex possesses a reconfigurable dynamic network architecture that is disrupted in psychosis. <i>Nature Communications</i> , 2018, 9, 1157.	5.8	65
62	High-resolution connectomic fingerprints: Mapping neural identity and behavior. <i>NeuroImage</i> , 2021, 229, 117695.	2.1	65
63	Differences in subcortico-cortical interactions identified from connectome and microcircuit models in autism. <i>Nature Communications</i> , 2021, 12, 2225.	5.8	63
64	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
65	Learning Task-Optimal Registration Cost Functions for Localizing Cytoarchitecture and Function in the Cerebral Cortex. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 1424-1441.	5.4	57
66	Individual-specific fMRI-Subspaces improve functional connectivity prediction of behavior. <i>NeuroImage</i> , 2019, 189, 804-812.	2.1	55
67	Dynamic mode decomposition of resting-state and task fMRI. <i>NeuroImage</i> , 2019, 194, 42-54.	2.1	54
68	Genetic and phylogenetic uncoupling of structure and function in human transmodal cortex. <i>Nature Communications</i> , 2022, 13, 2341.	5.8	54
69	Charting brain growth in tandem with brain templates at school age. <i>Science Bulletin</i> , 2020, 65, 1924-1934.	4.3	52
70	Sensory-motor cortices shape functional connectivity dynamics in the human brain. <i>Nature Communications</i> , 2021, 12, 6373.	5.8	48
71	A Spotlight on Bridging Microscale and Macroscale Human Brain Architecture. <i>Neuron</i> , 2017, 93, 1248-1251.	3.8	47
72	Cross-ethnicity/race generalization failure of behavioral prediction from resting-state functional connectivity. <i>Science Advances</i> , 2022, 8, eabj1812.	4.7	45

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73	Intrinsic Functional Connectivity of the Brain in Adults with a Single Cerebral Hemisphere. Cell Reports, 2019, 29, 2398-2407.e4.	2.9	44
74	Borders, map clusters, and supra-areal organization in visual cortex. NeuroImage, 2014, 93, 292-297.	2.1	42
75	Co-activated yet disconnectedâ€”Neural correlates of eye closures when trying to stay awake. NeuroImage, 2015, 118, 553-562.	2.1	41
76	On the Construction of Invertible Filter Banks on the 2-Sphere. IEEE Transactions on Image Processing, 2008, 17, 283-300.	6.0	38
77	Multi-modal latent factor exploration of atrophy, cognitive and tau heterogeneity in Alzheimerâ€™s disease. NeuroImage, 2019, 201, 116043.	2.1	38
78	Spherical Demons: Fast Surface Registration. Lecture Notes in Computer Science, 2008, 11, 745-753.	1.0	38
79	Macroscale and microcircuit dissociation of focal and generalized human epilepsies. Communications Biology, 2020, 3, 244.	2.0	34
80	Meta-matching as a simple framework to translate phenotypic predictive models from big to small data. Nature Neuroscience, 2022, 25, 795-804.	7.1	29
81	On Removing Interpolation and Resampling Artifacts in Rigid Image Registration. IEEE Transactions on Image Processing, 2013, 22, 816-827.	6.0	28
82	Agito ergo sum: Correlates of spatio-temporal motion characteristics during fMRI. NeuroImage, 2020, 209, 116433.	2.1	28
83	Harnessing CURATE.AI as a Digital Therapeutics Platform by Identifying Nâ€™ofâ€™ Learning Trajectory Profiles. Advanced Therapeutics, 2019, 2, 1900023.	1.6	27
84	Modeling Alzheimerâ€™s disease progression using deep recurrent neural networks. , 2018, , .		26
85	Asymmetric Image-Template Registration. Lecture Notes in Computer Science, 2009, 12, 565-573.	1.0	26
86	Personality and local brain structure: Their shared genetic basis and reproducibility. NeuroImage, 2020, 220, 117067.	2.1	24
87	The interrelation of sleep and mental and physical health is anchored in grey-matter neuroanatomy and under genetic control. Communications Biology, 2020, 3, 171.	2.0	24
88	Interpreting null models of resting-state functional MRI dynamics: not throwing the model out with the hypothesis. NeuroImage, 2021, 243, 118518.	2.1	24
89	Overlapping attentional networks yield divergent behavioral predictions across tasks: Neuromarkers for diffuse and focused attention?. NeuroImage, 2020, 209, 116535.	2.1	22
90	Inter-subject and inter-parcellation variability of resting-state whole-brain dynamical modeling. NeuroImage, 2021, 236, 118201.	2.1	21

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91	DTI registration with exact finite-strain differential. , 2008, , .		19
92	Beyond consensus: Embracing heterogeneity in curated neuroimaging meta-analysis. NeuroImage, 2019, 200, 142-158.	2.1	19
93	Latent atrophy factors related to phenotypical variants of posterior cortical atrophy. Neurology, 2020, 95, e1672-e1685.	1.5	19
94	Shape Analysis with Overcomplete Spherical Wavelets. Lecture Notes in Computer Science, 2008, 11, 468-476.	1.0	19
95	A modern map of the human cerebral cortex. Nature, 2016, 536, 152-154.	13.7	18
96	Data-Driven Extraction of a Nested Model of Human Brain Function. Journal of Neuroscience, 2017, 37, 7263-7277.	1.7	18
97	Is deep learning better than kernel regression for functional connectivity prediction of fluid intelligence?. , 2018, , .		18
98	Dynamic primitives of brain network interaction. NeuroImage, 2022, 250, 118928.	2.1	18
99	Population heterogeneity in clinical cohorts affects the predictive accuracy of brain imaging. PLoS Biology, 2022, 20, e3001627.	2.6	17
100	Cortical Folding Development Study based on Over-Complete Spherical Wavelets. , 2007, 2007, .		14
101	Proportional intracranial volume correction differentially biases behavioral predictions across neuroanatomical features, sexes, and development. NeuroImage, 2022, 260, 119485.	2.1	13
102	Deep learning identifies partially overlapping subnetworks in the human social brain. Communications Biology, 2021, 4, 65.	2.0	11
103	A Connectivity-Based Psychometric Prediction Framework for Brainâ€™Behavior Relationship Studies. Cerebral Cortex, 2021, 31, 3732-3751.	1.6	11
104	Behavioral, Anatomical and Heritable Convergence of Affect and Cognition in Superior Frontal Cortex. NeuroImage, 2021, 243, 118561.	2.1	11
105	Maximizing dissimilarity in resting state detects heterogeneous subtypes in healthy population associated with high substance use and problems in antisocial personality. Human Brain Mapping, 2020, 41, 1261-1273.	1.9	10
106	Effects of Registration Regularization and Atlas Sharpness on Segmentation Accuracy. , 2007, 10, 683-691.		10
107	Multi-subject Stochastic Blockmodels for adaptive analysis of individual differences in human brain network cluster structure. NeuroImage, 2020, 220, 116611.	2.1	7
108	Control theory illustrates the energy efficiency in the dynamic reconfiguration of functional connectivity. Communications Biology, 2022, 5, 295.	2.0	7

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109	From phenotypic chaos to neurobiological order. <i>Nature Neuroscience</i> , 2015, 18, 1532-1534.	7.1	6
110	Precision Neuroimaging Opens a New Chapter of Neuroplasticity Experimentation. <i>Neuron</i> , 2020, 107, 401-403.	3.8	6
111	Supervised Nonparametric Image Parcellation. <i>Lecture Notes in Computer Science</i> , 2009, 12, 1075-1083.	1.0	6
112	Task-Optimal Registration Cost Functions. <i>Lecture Notes in Computer Science</i> , 2009, 12, 598-606.	1.0	6
113	What Data to Co-register for Computing Atlases. , 2007, 2007, .		5
114	Invertible Filter Banks on the 2-Sphere. , 2006, , .		4
115	Collapsed variational bayesian inference of the author-topic model: application to large-scale coordinate-based meta-analysis. , 2016, , .		3
116	Nonparametric Mixture Models for Supervised Image Parcellation. , 2009, 12, 301-313.		3
117	An automated pipeline for cortical surface generation and registration of the cerebral cortex. , 2011, , .		1
118	Automatic Labeling of the Human Cerebral Cortex. , 2015, , 357-363.		0
119	Functional connectivity parcellation of the human brain. , 2016, , 3-29.		0
120	Rotational Registration of Spherical Surfaces Represented as QuadEdge Meshes. <i>The Insight Journal</i> , 2010, , .	0.2	0
121	Iterative Smoothing of Field Data in Spherical Meshes. <i>The Insight Journal</i> , 2010, , .	0.2	0
122	Spherical Demons Registration of Spherical Surfaces. <i>The Insight Journal</i> , 2010, , .	0.2	0
123	Title is missing!. , 2020, 18, e3000602.		0
124	Title is missing!. , 2020, 18, e3000602.		0
125	Title is missing!. , 2020, 18, e3000602.		0
126	Title is missing!. , 2020, 18, e3000602.		0



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127	Title is missing!. , 2020, 18, e3000602.		0
128	Title is missing!. , 2020, 18, e3000602.		0