

# Bt Thomas Yeo

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/2451561/bt-thomas-yeo-publications-by-year.pdf>

**Version:** 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Dynamic primitives of brain network interaction Special Issue "Advances in Mapping the Connectome".. <i>NeuroImage</i> , <b>2022</b> , 250, 118928	7.9	1
149	Reproducible brain-wide association studies require thousands of individuals.. <i>Nature</i> , <b>2022</b> , 603, 654-669	10.4	34
148	Cross-ethnicity/race generalization failure of behavioral prediction from resting-state functional connectivity.. <i>Science Advances</i> , <b>2022</b> , 8, eabj1812	14.3	1
147	Control theory illustrates the energy efficiency in the dynamic reconfiguration of functional connectivity.. <i>Communications Biology</i> , <b>2022</b> , 5, 295	6.7	0
146	Shared and unique brain network features predict cognitive, personality, and mental health scores in the ABCD study.. <i>Nature Communications</i> , <b>2022</b> , 13, 2217	17.4	3
145	Population heterogeneity in clinical cohorts affects the predictive accuracy of brain imaging.. <i>PLoS Biology</i> , <b>2022</b> , 20, e3001627	9.7	1
144	Genetic and phylogenetic uncoupling of structure and function in human transmodal cortex.. <i>Nature Communications</i> , <b>2022</b> , 13, 2341	17.4	2
143	Meta-matching as a simple framework to translate phenotypic predictive models from big to small data.. <i>Nature Neuroscience</i> , <b>2022</b> ,	25.5	3
142	Sensory-motor cortices shape functional connectivity dynamics in the human brain. <i>Nature Communications</i> , <b>2021</b> , 12, 6373	17.4	4
141	A Connectivity-Based Psychometric Prediction Framework for Brain-Behavior Relationship Studies. <i>Cerebral Cortex</i> , <b>2021</b> , 31, 3732-3751	5.1	3
140	Differences in subcortico-cortical interactions identified from connectome and microcircuit models in autism. <i>Nature Communications</i> , <b>2021</b> , 12, 2225	17.4	12
139	High-resolution connectomic fingerprints: Mapping neural identity and behavior. <i>NeuroImage</i> , <b>2021</b> , 229, 117695	7.9	19
138	Individual-Specific Areal-Level Parcellations Improve Functional Connectivity Prediction of Behavior. <i>Cerebral Cortex</i> , <b>2021</b> , 31, 4477-4500	5.1	13
137	Structure-function coupling in the human connectome: A machine learning approach. <i>NeuroImage</i> , <b>2021</b> , 226, 117609	7.9	18
136	The detailed organization of the human cerebellum estimated by intrinsic functional connectivity within the individual. <i>Journal of Neurophysiology</i> , <b>2021</b> , 125, 358-384	3.2	19
135	COVID-19-related mobility reduction: heterogenous effects on sleep and physical activity rhythms. <i>Sleep</i> , <b>2021</b> , 44,	1.1	54
134	Deep learning identifies partially overlapping subnetworks in the human social brain. <i>Communications Biology</i> , <b>2021</b> , 4, 65	6.7	6

133	Heritability of individualized cortical network topography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	17
132	Inter-subject and inter-parcellation variability of resting-state whole-brain dynamical modeling. <i>NeuroImage</i> , <b>2021</b> , 236, 118201	7.9	6
131	Behavioral, Anatomical and Heritable Convergence of Affect and Cognition in Superior Frontal Cortex. <i>NeuroImage</i> , <b>2021</b> , 243, 118561	7.9	1
130	Interpreting null models of resting-state functional MRI dynamics: not throwing the model out with the hypothesis. <i>NeuroImage</i> , <b>2021</b> , 243, 118518	7.9	3
129	The default network of the human brain is associated with perceived social isolation. <i>Nature Communications</i> , <b>2020</b> , 11, 6393	17.4	40
128	Personality and local brain structure: Their shared genetic basis and reproducibility. <i>NeuroImage</i> , <b>2020</b> , 220, 117067	7.9	10
127	Multi-subject Stochastic Blockmodels for adaptive analysis of individual differences in human brain network cluster structure. <i>NeuroImage</i> , <b>2020</b> , 220, 116611	7.9	4
126	Time of day is associated with paradoxical reductions in global signal fluctuation and functional connectivity. <i>PLoS Biology</i> , <b>2020</b> , 18, e3000602	9.7	39
125	Overlapping attentional networks yield divergent behavioral predictions across tasks: Neuromarkers for diffuse and focused attention?. <i>NeuroImage</i> , <b>2020</b> , 209, 116535	7.9	9
124	The interrelation of sleep and mental and physical health is anchored in grey-matter neuroanatomy and under genetic control. <i>Communications Biology</i> , <b>2020</b> , 3, 171	6.7	7
123	Toward Neurosubtypes in Autism. <i>Biological Psychiatry</i> , <b>2020</b> , 88, 111-128	7.9	36
122	Macroscale and microcircuit dissociation of focal and generalized human epilepsies. <i>Communications Biology</i> , <b>2020</b> , 3, 244	6.7	14
121	Reconciling Dimensional and Categorical Models of Autism Heterogeneity: A Brain Connectomics and Behavioral Study. <i>Biological Psychiatry</i> , <b>2020</b> , 87, 1071-1082	7.9	32
120	Agito ergo sum: Correlates of spatio-temporal motion characteristics during fMRI. <i>NeuroImage</i> , <b>2020</b> , 209, 116433	7.9	16
119	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> , <b>2020</b> , 41, 1261-1273	5.9	7
118	Latent atrophy factors related to phenotypical variants of posterior cortical atrophy. <i>Neurology</i> , <b>2020</b> , 95, e1672-e1685	6.5	9
117	Charting brain growth in tandem with brain templates at school age. <i>Science Bulletin</i> , <b>2020</b> , 65, 1924-1934	10.6	27
116	Predicting Alzheimer's disease progression using deep recurrent neural networks. <i>NeuroImage</i> , <b>2020</b> , 222, 117203	7.9	23

115	Precision Neuroimaging Opens a New Chapter of Neuroplasticity Experimentation. <i>Neuron</i> , <b>2020</b> , 107, 401-403	13.9	1
114	Shaping brain structure: Genetic and phylogenetic axes of macroscale organization of cortical thickness. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	25
113	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> , <b>2020</b> , 117, 25138-25149	11.5	35
112	Different scaling of linear models and deep learning in UKBiobank brain images versus machine-learning datasets. <i>Nature Communications</i> , <b>2020</b> , 11, 4238	17.4	45
111	Deep neural networks and kernel regression achieve comparable accuracies for functional connectivity prediction of behavior and demographics. <i>NeuroImage</i> , <b>2020</b> , 206, 116276	7.9	80
110	Sex Classification by Resting State Brain Connectivity. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 824-835	5.1	56
109	Topography and behavioral relevance of the global signal in the human brain. <i>Scientific Reports</i> , <b>2019</b> , 9, 14286	4.9	37
108	Resting brain dynamics at different timescales capture distinct aspects of human behavior. <i>Nature Communications</i> , <b>2019</b> , 10, 2317	17.4	113
107	Harnessing CURATE.AI as a Digital Therapeutics Platform by Identifying N-of-1 Learning Trajectory Profiles. <i>Advanced Therapeutics</i> , <b>2019</b> , 2, 1900023	4.9	14
106	Beyond consensus: Embracing heterogeneity in curated neuroimaging meta-analysis. <i>NeuroImage</i> , <b>2019</b> , 200, 142-158	7.9	12
105	Dynamic mode decomposition of resting-state and task fMRI. <i>NeuroImage</i> , <b>2019</b> , 194, 42-54	7.9	17
104	Global signal regression strengthens association between resting-state functional connectivity and behavior. <i>NeuroImage</i> , <b>2019</b> , 196, 126-141	7.9	141
103	Individual-specific fMRI-Subspaces improve functional connectivity prediction of behavior. <i>NeuroImage</i> , <b>2019</b> , 189, 804-812	7.9	32
102	Spatial Topography of Individual-Specific Cortical Networks Predicts Human Cognition, Personality, and Emotion. <i>Cerebral Cortex</i> , <b>2019</b> , 29, 2533-2551	5.1	227
101	Multi-modal latent factor exploration of atrophy, cognitive and tau heterogeneity in Alzheimer's disease. <i>NeuroImage</i> , <b>2019</b> , 201, 116043	7.9	18
100	Somatosensory-Motor Dysconnectivity Spans Multiple Transdiagnostic Dimensions of Psychopathology. <i>Biological Psychiatry</i> , <b>2019</b> , 86, 779-791	7.9	66
99	Towards a Universal Taxonomy of Macro-scale Functional Human Brain Networks. <i>Brain Topography</i> , <b>2019</b> , 32, 926-942	4.3	132
98	Intrinsic Functional Connectivity of the Brain in Adults with a Single Cerebral Hemisphere. <i>Cell Reports</i> , <b>2019</b> , 29, 2398-2407.e4	10.6	26

97	Inversion of a large-scale circuit model reveals a cortical hierarchy in the dynamic resting human brain. <i>Science Advances</i> , <b>2019</b> , 5, eaat7854	14.3	97
96	Gene expression links functional networks across cortex and striatum. <i>Nature Communications</i> , <b>2018</b> , 9, 1428	17.4	64
95	The human cortex possesses a reconfigurable dynamic network architecture that is disrupted in psychosis. <i>Nature Communications</i> , <b>2018</b> , 9, 1157	17.4	42
94	Topographic organization of the cerebral cortex and brain cartography. <i>NeuroImage</i> , <b>2018</b> , 170, 332-347	7.9	95
93	Local-Global Parcellation of the Human Cerebral Cortex from Intrinsic Functional Connectivity MRI. <i>Cerebral Cortex</i> , <b>2018</b> , 28, 3095-3114	5.1	687
92	Modeling Alzheimer's disease progression using deep recurrent neural networks <b>2018</b> ,		11
91	Is deep learning better than kernel regression for functional connectivity prediction of fluid intelligence? <b>2018</b> ,		11
90	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> , <b>2018</b> , 115, 12295-12300	11.5	71
89	Imaging-based parcellations of the human brain. <i>Nature Reviews Neuroscience</i> , <b>2018</b> , 19, 672-686	13.5	177
88	A mechanistic model of connector hubs, modularity and cognition. <i>Nature Human Behaviour</i> , <b>2018</b> , 2, 765-777	12.8	92
87	Accurate nonlinear mapping between MNI volumetric and FreeSurfer surface coordinate systems. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 3793-3808	5.9	34
86	Best practices in data analysis and sharing in neuroimaging using MRI. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 299-303	25.5	312
85	Proportional thresholding in resting-state fMRI functional connectivity networks and consequences for patient-control connectome studies: Issues and recommendations. <i>NeuroImage</i> , <b>2017</b> , 152, 437-449	7.9	256
84	Inference in the age of big data: Future perspectives on neuroscience. <i>NeuroImage</i> , <b>2017</b> , 155, 549-564	7.9	107
83	Data-Driven Extraction of a Nested Model of Human Brain Function. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 7263-7277	6.6	8
82	A Spotlight on Bridging Microscale and Macroscale Human Brain Architecture. <i>Neuron</i> , <b>2017</b> , 93, 1248-1259	5.9	26
81	Interpreting temporal fluctuations in resting-state functional connectivity MRI. <i>NeuroImage</i> , <b>2017</b> , 163, 437-455	7.9	135
80	The diverse club. <i>Nature Communications</i> , <b>2017</b> , 8, 1277	17.4	74

79	Cerebral functional connectivity periodically (de)synchronizes with anatomical constraints. <i>Brain Structure and Function</i> , <b>2016</b> , 221, 2985-97	4	59
78	Systems neuroscience: A modern map of the human cerebral cortex. <i>Nature</i> , <b>2016</b> , 536, 152-4	50.4	14
77	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> , <b>2016</b> , 113, E469-78	11.5	136
76	Functional connectivity parcellation of the human brain <b>2016</b> , 3-29		
75	Collapsed variational bayesian inference of the author-topic model: application to large-scale coordinate-based meta-analysis <b>2016</b> ,		2
74	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> , <b>2016</b> , 113, E6535-E6544	11.5	25
73	Functional connectivity during rested wakefulness predicts vulnerability to sleep deprivation. <i>NeuroImage</i> , <b>2015</b> , 111, 147-58	7.9	157
72	Co-activated yet disconnected-Neural correlates of eye closures when trying to stay awake. <i>NeuroImage</i> , <b>2015</b> , 118, 553-62	7.9	30
71	Automatic Labeling of the Human Cerebral Cortex <b>2015</b> , 357-363		
70	From phenotypic chaos to neurobiological order. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 1532-4	25.5	6
69	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> , <b>2015</b> , 112, E6798-807	11.5	286
68	Functional Specialization and Flexibility in Human Association Cortex. <i>Cerebral Cortex</i> , <b>2015</b> , 25, 3654-725.1	5.1	265
67	Estimates of segregation and overlap of functional connectivity networks in the human cerebral cortex. <i>NeuroImage</i> , <b>2014</b> , 88, 212-27	7.9	155
66	Reconfigurable task-dependent functional coupling modes cluster around a core functional architecture. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 369,	5.8	214
65	Borders, map clusters, and supra-areal organization in visual cortex. <i>NeuroImage</i> , <b>2014</b> , 93 Pt 2, 292-7	7.9	29
64	Disruption of cortical association networks in schizophrenia and psychotic bipolar disorder. <i>JAMA Psychiatry</i> , <b>2014</b> , 71, 109-18	14.5	261
63	Individual variability in functional connectivity architecture of the human brain. <i>Neuron</i> , <b>2013</b> , 77, 586-9513.9	13.9	634
62	On removing interpolation and resampling artifacts in rigid image registration. <i>IEEE Transactions on Image Processing</i> , <b>2013</b> , 22, 816-27	8.7	23

61	Opportunities and limitations of intrinsic functional connectivity MRI. <i>Nature Neuroscience</i> , <b>2013</b> , 16, 832-7	25.5	625
60	Measuring and comparing brain cortical surface area and other areal quantities. <i>NeuroImage</i> , <b>2012</b> , 61, 1428-43	7.9	117
59	Stepwise connectivity of the modal cortex reveals the multimodal organization of the human brain. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 10649-61	6.6	179
58	The organization of the human striatum estimated by intrinsic functional connectivity. <i>Journal of Neurophysiology</i> , <b>2012</b> , 108, 2242-63	3.2	527
57	The organization of the human cerebellum estimated by intrinsic functional connectivity. <i>Journal of Neurophysiology</i> , <b>2011</b> , 106, 2322-45	3.2	1265
56	The organization of the human cerebral cortex estimated by intrinsic functional connectivity. <i>Journal of Neurophysiology</i> , <b>2011</b> , 106, 1125-65	3.2	3997
55	The dynamics of cortical and hippocampal atrophy in Alzheimer disease. <i>Archives of Neurology</i> , <b>2011</b> , 68, 1040-8		207
54	The organization of local and distant functional connectivity in the human brain. <i>PLoS Computational Biology</i> , <b>2010</b> , 6, e1000808	5	291
53	Evaluation of volume-based and surface-based brain image registration methods. <i>NeuroImage</i> , <b>2010</b> , 51, 214-20	7.9	194
52	Spherical demons: fast diffeomorphic landmark-free surface registration. <i>IEEE Transactions on Medical Imaging</i> , <b>2010</b> , 29, 650-68	11.7	252
51	Learning task-optimal registration cost functions for localizing cytoarchitecture and function in the cerebral cortex. <i>IEEE Transactions on Medical Imaging</i> , <b>2010</b> , 29, 1424-41	11.7	50
50	A generative model for image segmentation based on label fusion. <i>IEEE Transactions on Medical Imaging</i> , <b>2010</b> , 29, 1714-29	11.7	353
49	DT-REFinD: diffusion tensor registration with exact finite-strain differential. <i>IEEE Transactions on Medical Imaging</i> , <b>2009</b> , 28, 1914-28	11.7	73
48	Predicting the location of entorhinal cortex from MRI. <i>NeuroImage</i> , <b>2009</b> , 47, 8-17	7.9	78
47	Nonparametric Mixture Models for Supervised Image Parcellation <b>2009</b> , 12, 301-313		3
46	Asymmetric image-template registration. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 12, 565-73	0.9	22
45	Supervised nonparametric image parcellation. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 12, 1075-83	0.9	6
44	Task-optimal registration cost functions. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 12, 598-606	0.9	5

43	DTI registration with exact finite-strain differential <b>2008</b> ,		18
42	On the construction of invertible filter banks on the 2-sphere. <i>IEEE Transactions on Image Processing</i> , <b>2008</b> , 17, 283-300	8.7	29
41	Cortical folding patterns and predicting cytoarchitecture. <i>Cerebral Cortex</i> , <b>2008</b> , 18, 1973-80	5.1	553
40	Effects of registration regularization and atlas sharpness on segmentation accuracy. <i>Medical Image Analysis</i> , <b>2008</b> , 12, 603-15	15.4	72
39	Shape analysis with overcomplete spherical wavelets. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 11, 468-76.9		19
38	Spherical demons: fast surface registration. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 11, 745-53	0.9	24
37	What Data to Co-register for Computing Atlases. <i>Proceedings of the IEEE International Conference on Computer Vision</i> , <b>2007</b> , 2007,	3.3	4
36	Cortical Folding Development Study based on Over-Complete Spherical Wavelets. <i>Proceedings of the IEEE International Conference on Computer Vision</i> , <b>2007</b> , 2007,	3.3	12
35	Effects of registration regularization and atlas sharpness on segmentation accuracy <b>2007</b> , 10, 683-91		10
34	Invertible Filter Banks on the 2-Sphere <b>2006</b> ,		4
33	Towards Neurosubtypes in Autism		3
32	Spatial Topography of Individual-Specific Cortical Networks Predicts Human Cognition, Personality and Emotion		7
31	Multi-modal Latent Factor Exploration of Atrophy, Cognitive and Tau Heterogeneity in Alzheimer's Disease		1
30	Somatosensory-Motor Dysconnectivity Spans Multiple Transdiagnostic Dimensions of Psychopathology		3
29	Generating Templates and Growth Charts for School-Aged Brain Development		1
28	Meta-matching: a simple framework to translate phenotypic predictive models from big to small data		4
27	Best Practices in Data Analysis and Sharing in Neuroimaging using MRI		37
26	Local-Global Parcellation of the Human Cerebral Cortex From Intrinsic Functional Connectivity MRI		19



25	Interpreting Temporal Fluctuations in Resting-State Functional Connectivity MRI	6
24	Shaping Brain Structure: Genetic and Phylogenetic Axes of Macro Scale Organization of Cortical Thickness	4
23	Convergent molecular, cellular, and neural signatures of major depressive disorder	3
22	Connectome and microcircuit models implicate atypical subcortico-cortical interactions in autism pathophysiology	6
21	Shared and unique brain network features predict cognition, personality and mental health in childhood	13
20	Heritability of individualized cortical network topography	2
19	Hidden population modes in social brain morphology: Its parts are more than its sum	1
18	Towards Reproducible Brain-Wide Association Studies	54
17	The Detailed Organization of the Human Cerebellum Estimated by Intrinsic Functional Connectivity Within the Individual	3
16	Accurate Nonlinear Mapping between MNI Volumetric and FreeSurfer Surface Coordinate Systems	3
15	Dynamic mode decomposition of resting-state and task fMRI	1
14	Deep Neural Networks and Kernel Regression Achieve Comparable Accuracies for Functional Connectivity Prediction of Behavior and Demographics	4
13	Global Signal Regression Strengthens Association between Resting-State Functional Connectivity and Behavior	6
12	Sex classification by resting state brain connectivity	4
11	Personality and local brain structure: their shared genetic basis and reproducibility	2
10	Data-driven detection of latent atrophy factors related to phenotypical variants of posterior cortical atrophy	1
9	Reconciling Dimensional and Categorical Models of Autism Heterogeneity: a Brain Connectomics & Behavioral Study	3
8	Predicting Alzheimer's disease progression using deep recurrent neural networks	3

7	Deep learning for brains?: Different linear and nonlinear scaling in UK Biobank brain images vs. machine-learning datasets	10
6	Bayesian model reveals latent atrophy factors with dissociable cognitive trajectories in Alzheimer's disease	1
5	Anatomical and Functional Gradients Shape Dynamic Functional Connectivity in the Human Brain	4
4	Interpreting Null Models of Resting-State Functional MRI	1
3	Genetic and phylogenetic uncoupling of structure and function in human transmodal cortex	1
2	Large-Scale Intrinsic Functional Brain Organization Emerges from Three Canonical Spatiotemporal Patterns	1
1	Individual-Specific Areal-Level Parcellations Improve Functional Connectivity Prediction of Behavior	6