Wesley Kurt Thompson

List of Publications by Year in Descending Order

128 papers	5,245 citations	42 h-index	70 g-index
142 ext. papers	7,501 ext. citations	8.2 avg, IF	5.54 L-index

#	Paper	IF	Citations
128	Measuring retention within the adolescent brain cognitive development (ABCD) study.. *Developmental Cognitive Neuroscience*, **2022**, 54, 101081	5.5	1
127	Do aggregate, multimodal structural neuroimaging measures replicate regional developmental differences observed in highly cited cellular histological studies?. *Developmental Cognitive Neuroscience*, **2022**, 54, 101086	5.5	
126	Reliability and stability challenges in ABCD task fMRI data.. *NeuroImage*, **2022**, 252, 119046	7.9	2
125	Functional magnetic resonance imaging data for the association between polygenic risk scores for neuroticism and reward-punishment processing.. *Data in Brief*, **2022**, 42, 108014	1.2	
124	Multivariate genome-wide association study on tissue-sensitive diffusion metrics highlights pathways that shape the human brain.. *Nature Communications*, **2022**, 13, 2423	17.4	0
123	Risk for depression tripled during the COVID-19 pandemic in emerging adults followed for the last 8 years. *Psychological Medicine*, **2021**, 1-8	6.9	2
122	Adolescent Brain Cognitive Development (ABCD) study Linked External Data (LED): Protocol and practices for geocoding and assignment of environmental data. *Developmental Cognitive Neuroscience*, **2021**, 52, 101030	5.5	4
121	Brain Predictability toolbox: a Python library for neuroimaging-based machine learning. *Bioinformatics*, **2021**, 37, 1637-1638	7.2	2
120	Neural vulnerability and hurricane-related media are associated with post-traumatic stress in youth. *Nature Human Behaviour*, **2021**, 5, 1578-1589	12.8	2
119	Microstructural development from 9 to 14 years: Evidence from the ABCD Study.. *Developmental Cognitive Neuroscience*, **2021**, 53, 101044	5.5	0
118	A Comprehensive Overview of the Physical Health of the Adolescent Brain Cognitive Development Study Cohort at Baseline. *Frontiers in Pediatrics*, **2021**, 9, 734184	3.4	0
117	Risk of lead exposure, subcortical brain structure, and cognition in a large cohort of 9- to 10-year-old children. *PLoS ONE*, **2021**, 16, e0258469	3.7	0
116	Demographic and mental health assessments in the adolescent brain and cognitive development study: Updates and age-related trajectories. *Developmental Cognitive Neuroscience*, **2021**, 52, 101031	5.5	1
115	Breastfeeding Duration Is Associated With Domain-Specific Improvements in Cognitive Performance in 9-10-Year-Old Children. *Frontiers in Public Health*, **2021**, 9, 657422	6	5
114	RAMIC: Design of a randomized, double-blind, placebo-controlled trial to evaluate the efficacy of ramipril in patients with COVID-19. *Contemporary Clinical Trials*, **2021**, 103, 106330	2.3	3
113	Association of Heavy Drinking With Deviant Fiber Tract Development in Frontal Brain Systems in Adolescents. *JAMA Psychiatry*, **2021**, 78, 407-415	14.5	11
112	Responsible Use of Open-Access Developmental Data: The Adolescent Brain Cognitive Development (ABCD) Study. *Psychological Science*, **2021**, 32, 866-870	7.9	13

111	Rates of Incidental Findings in Brain Magnetic Resonance Imaging in Children. *JAMA Neurology*, **2021**, 78, 578-587	17.2	6
110	Genetic factors underlying the bidirectional relationship between autoimmune and mental disorders - Findings from a Danish population-based study. *Brain, Behavior, and Immunity*, **2021**, 91, 10-23	16.6	4
109	Computational approaches and machine learning for individual-level treatment predictions. *Psychopharmacology*, **2021**, 238, 1231-1239	4.7	6
108	Individual Differences in Cognitive Performance Are Better Predicted by Global Rather Than Localized BOLD Activity Patterns Across the Cortex. *Cerebral Cortex*, **2021**, 31, 1478-1488	5.1	6
107	Genetic predictors of educational attainment and intelligence test performance predict voter turnout. *Nature Human Behaviour*, **2021**, 5, 281-291	12.8	2
106	Naturalization of the microbiota developmental trajectory of Cesarean-born neonates after vaginal seeding.. *Med*, **2021**, 2, 951-964.e5	31.7	8
105	Recalibrating expectations about effect size: A multi-method survey of effect sizes in the ABCD study. *PLoS ONE*, **2021**, 16, e0257535	3.7	9
104	Early Adolescent Substance Use Before and During the COVID-19 Pandemic: A Longitudinal Survey in the ABCD Study Cohort. *Journal of Adolescent Health*, **2021**, 69, 390-397	5.8	9
103	Enhancing Discovery of Genetic Variants for Posttraumatic Stress Disorder Through Integration of Quantitative Phenotypes and Trauma Exposure Information. *Biological Psychiatry*, **2021**,	7.9	3
102	Meaningful associations in the adolescent brain cognitive development study. *NeuroImage*, **2021**, 239, 118262	7.9	23
101	Polygenic risk for neuroticism moderates response to gains and losses in amygdala and caudate: Evidence from a clinical cohort. *Journal of Affective Disorders*, **2021**, 293, 124-132	6.6	1
100	Vertex-wise multivariate genome-wide association study identifies 780 unique genetic loci associated with cortical morphology. *NeuroImage*, **2021**, 244, 118603	7.9	1
99	The genetic architecture of human cortical folding.. *Science Advances*, **2021**, 7, eabj9446	14.3	0
98	Quantifying the Polygenic Architecture of the Human Cerebral Cortex: Extensive Genetic Overlap between Cortical Thickness and Surface Area. *Cerebral Cortex*, **2020**, 30, 5597-5603	5.1	13
97	Longitudinal Impact of Life Events on Adolescent Binge Drinking in the National Consortium on Alcohol and Neurodevelopment in Adolescence (NCANDA). *Substance Use and Misuse*, **2020**, 55, 1846-1855	2.2	1
96	Sex-dependent autosomal effects on clinical progression of Alzheimer's disease. *Brain*, **2020**, 143, 2272-2280	13.3	23
95	Maturational trajectories of white matter microstructure underlying the right presupplementary motor area reflect individual improvements in motor response cancellation in children and adolescents. *NeuroImage*, **2020**, 220, 117105	7.9	5
94	Neuroanatomical spread of amyloid β and tau in Alzheimer's disease: implications for primary prevention. *Brain Communications*, **2020**, 2, fcaa007	4.5	32

93	Computational Evidence for Underweighting of Current Error and Overestimation of Future Error in Anxious Individuals. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2020**, 5, 412-419	3.4	2
92	Nucleus accumbens cytoarchitecture predicts weight gain in children. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 26977-26984	11.5	17
91	Screen media activity does not displace other recreational activities among 9-10 year-old youth: a cross-sectional ABCD study . *BMC Public Health*, **2020**, 20, 1783	4.1	2
90	Understanding the genetic determinants of the brain with MOSTest. *Nature Communications*, **2020**, 11, 3512	17.4	28
89	Positive Economic, Psychosocial, and Physiological Ecologies Predict Brain Structure and Cognitive Performance in 9-10-Year-Old Children. *Frontiers in Human Neuroscience*, **2020**, 14, 578822	3.3	10
88	Strength of immune selection in tumors varies with sex and age. *Nature Communications*, **2020**, 11, 4128	17.4	33
87	Assessing callous-unemotional traits: development of a brief, reliable measure in a large and diverse sample of preadolescent youth. *Psychological Medicine*, **2020**, 50, 456-464	6.9	13
86	Discovery of shared genomic loci using the conditional false discovery rate approach. *Human Genetics*, **2020**, 139, 85-94	6.3	39
85	Prediction of neurocognition in youth from resting state fMRI. *Molecular Psychiatry*, **2020**, 25, 3413-3421	15.1	31
84	Genome-wide association study identifies 16 genomic regions associated with circulating cytokines at birth **2020**, 16, e1009163		
83	Genome-wide association study identifies 16 genomic regions associated with circulating cytokines at birth **2020**, 16, e1009163		
82	Genome-wide association study identifies 16 genomic regions associated with circulating cytokines at birth **2020**, 16, e1009163		
81	Genome-wide association study identifies 16 genomic regions associated with circulating cytokines at birth **2020**, 16, e1009163		
80	A genome-wide association study of shared risk across psychiatric disorders implicates gene regulation during fetal neurodevelopment. *Nature Neuroscience*, **2019**, 22, 353-361	25.5	93
79	Bivariate causal mixture model quantifies polygenic overlap between complex traits beyond genetic correlation. *Nature Communications*, **2019**, 10, 2417	17.4	68
78	Post-traumatic stress following military deployment: Genetic associations and cross-disorder genetic correlations. *Journal of Affective Disorders*, **2019**, 252, 350-357	6.6	8
77	The Challenges and Opportunities of Small Effects: The New Normal in Academic Psychiatry. *JAMA Psychiatry*, **2019**, 76, 353-354	14.5	54
76	Image processing and analysis methods for the Adolescent Brain Cognitive Development Study. *NeuroImage*, **2019**, 202, 116091	7.9	184

75	Predicting the course of Alzheimer's progression. *Brain Informatics*, **2019**, 6, 6	5.9	18
74	The relative efficiency of time-to-progression and continuous measures of cognition in presymptomatic Alzheimer's disease. *Alzheimer's and Dementia: Translational Research and Clinical Interventions*, **2019**, 5, 308-318	6	6
73	International meta-analysis of PTSD genome-wide association studies identifies sex- and ancestry-specific genetic risk loci. *Nature Communications*, **2019**, 10, 4558	17.4	151
72	The structure of cognition in 9 and 10 year-old children and associations with problem behaviors: Findings from the ABCD study's baseline neurocognitive battery. *Developmental Cognitive Neuroscience*, **2019**, 36, 100606	5.5	51
71	Screen media activity and brain structure in youth: Evidence for diverse structural correlation networks from the ABCD study. *NeuroImage*, **2019**, 185, 140-153	7.9	53
70	Bayesian latent time joint mixed effect models for multicohort longitudinal data. *Statistical Methods in Medical Research*, **2019**, 28, 835-845	2.3	23
69	Biospecimens and the ABCD study: Rationale, methods of collection, measurement and early data. *Developmental Cognitive Neuroscience*, **2018**, 32, 97-106	5.5	40
68	Novel Loci Associated With Attention-Deficit/Hyperactivity Disorder Are Revealed by Leveraging Polygenic Overlap With Educational Attainment. *Journal of the American Academy of Child and Adolescent Psychiatry*, **2018**, 57, 86-95	7.2	19
67	Identification of shared genetic variants between schizophrenia and lung cancer. *Scientific Reports*, **2018**, 8, 674	4.9	21
66	A molecule-based genetic association approach implicates a range of voltage-gated calcium channels associated with schizophrenia. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, **2018**, 177, 454-467	3.5	11
65	The Role of Aging, Drug Dependence, and Hepatitis C Comorbidity in Alcoholism Cortical Compromise. *JAMA Psychiatry*, **2018**, 75, 474-483	14.5	45
64	Altered Brain Developmental Trajectories in Adolescents After Initiating Drinking. *American Journal of Psychiatry*, **2018**, 175, 370-380	11.9	88
63	A correction for sample overlap in genome-wide association studies in a polygenic pleiotropy-informed framework. *BMC Genomics*, **2018**, 19, 494	4.5	11
62	Prevalence of rearrangements in the 22q11.2 region and population-based risk of neuropsychiatric and developmental disorders in a Danish population: a case-cohort study. *Lancet Psychiatry,the*, **2018**, 5, 573-580	23.3	53
61	Cortical morphology of the pars opercularis and its relationship to motor-inhibitory performance in a longitudinal, developing cohort. *Brain Structure and Function*, **2018**, 223, 211-220	4	15
60	A Nonlinear Simulation Framework Supports Adjusting for Age When Analyzing BrainAGE. *Frontiers in Aging Neuroscience*, **2018**, 10, 317	5.3	93
59	Bayesian latent time joint mixed-effects model of progression in the Alzheimer's Disease Neuroimaging Initiative. *Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring*, **2018**, 10, 657-668	5.2	9
58	Cross-tissue eQTL enrichment of associations in schizophrenia. *PLoS ONE*, **2018**, 13, e0202812	3.7	3

57   Evolutionary Pressure against MHC Class II Binding Cancer Mutations. *Cell*, **2018**, 175, 416-428.e13   56.2   98

56   Quantifying the Impact of Rare and Ultra-rare Coding Variation across the Phenotypic Spectrum. *American Journal of Human Genetics*, **2018**, 102, 1204-1211   11   59

55   Effects of prior testing lasting a full year in NCANDA adolescents: Contributions from age, sex, socioeconomic status, ethnicity, site, family history of alcohol or drug abuse, and baseline performance. *Developmental Cognitive Neuroscience*, **2017**, 24, 72-83   5.5   8

54   Genome-wide Pleiotropy Between Parkinson Disease and Autoimmune Diseases. *JAMA Neurology*, **2017**, 74, 780-792   17.2   150

53   Identification of Genetic Loci Jointly Influencing Schizophrenia Risk and the Cognitive Traits of Verbal-Numerical Reasoning, Reaction Time, and General Cognitive Function. *JAMA Psychiatry*, **2017**, 74, 1065-1075   14.5   82

52   Identification of Gene Loci That Overlap Between Schizophrenia and Educational Attainment. *Schizophrenia Bulletin*, **2017**, 43, 654-664   1.3   45

51   Leveraging genome characteristics to improve gene discovery for putamen subcortical brain structure. *Scientific Reports*, **2017**, 7, 15736   4.9   10

50   Identifying Novel Gene Variants in Coronary Artery Disease and Shared Genes With Several Cardiovascular Risk Factors. *Circulation Research*, **2016**, 118, 83-94   15.7   32

49   Anxiety is related to indices of cortical maturation in typically developing children and adolescents. *Brain Structure and Function*, **2016**, 221, 3013-25   4   32

48   The Pediatric Imaging, Neurocognition, and Genetics (PING) Data Repository. *NeuroImage*, **2016**, 124, 1149-1154   7.9   177

47   Pleiotropic Analysis of Lung Cancer and Blood Triglycerides. *Journal of the National Cancer Institute*, **2016**, 108,   9.7   9

46   Neurodevelopmental origins of lifespan changes in brain and cognition. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 9357-62   11.5   109

45   Harmonizing DTI measurements across scanners to examine the development of white matter microstructure in 803 adolescents of the NCANDA study. *NeuroImage*, **2016**, 130, 194-213   7.9   59

44   New statistical approaches exploit the polygenic architecture of schizophrenia--implications for the underlying neurobiology. *Current Opinion in Neurobiology*, **2016**, 36, 89-98   7.6   41

43   Underconnected, But Not Broken? Dynamic Functional Connectivity MRI Shows Underconnectivity in Autism Is Linked to Increased Intra-Individual Variability Across Time. *Brain Connectivity*, **2016**, 6, 403-14   2.7   72

42   Is bigger always better? The importance of cortical configuration with respect to cognitive ability. *NeuroImage*, **2016**, 129, 356-366   7.9   25

41   Genetic overlap between multiple sclerosis and several cardiovascular disease risk factors. *Multiple Sclerosis Journal*, **2016**, 22, 1783-1793   5   17

40   Genetic Markers of Human Evolution Are Enriched in Schizophrenia. *Biological Psychiatry*, **2016**, 80, 284-292   7.3   60

39	Technology-Based Early Warning Systems for Bipolar Disorder: A Conceptual Framework. *JMIR Mental Health*, **2016**, 3, e42	6	6
38	Paradoxical Trend for Improvement in Mental Health With Aging: A Community-Based Study of 1,546 Adults Aged 21-100 Years. *Journal of Clinical Psychiatry*, **2016**, 77, e1019-25	4.6	75
37	Estimating Effect Sizes and Expected Replication Probabilities from GWAS Summary Statistics. *Frontiers in Genetics*, **2016**, 7, 15	4.5	26
36	Leveraging Genomic Annotations and Pleiotropic Enrichment for Improved Replication Rates in Schizophrenia GWAS. *PLoS Genetics*, **2016**, 12, e1005803	6	30
35	Association Between Genetic Traits for Immune-Mediated Diseases and Alzheimer Disease. *JAMA Neurology*, **2016**, 73, 691-7	17.2	100
34	Cognitive, emotion control, and motor performance of adolescents in the NCANDA study: Contributions from alcohol consumption, age, sex, ethnicity, and family history of addiction. *Neuropsychology*, **2016**, 30, 449-73	3.8	42
33	Personality Change Due to Traumatic Brain Injury in Children and Adolescents: Neurocognitive Correlates. *Journal of Neuropsychiatry and Clinical Neurosciences*, **2015**, 27, 272-9	2.7	10
32	Does degree of gyrification underlie the phenotypic and genetic associations between cortical surface area and cognitive ability?. *NeuroImage*, **2015**, 106, 154-60	7.9	24
31	Hippocampal atrophy varies by neuropsychologically defined MCI among men in their 50s. *American Journal of Geriatric Psychiatry*, **2015**, 23, 456-65	6.5	14
30	Polygenic Overlap Between C-Reactive Protein, Plasma Lipids, and Alzheimer Disease. *Circulation*, **2015**, 131, 2061-2069	16.7	100
29	Development and aging of cortical thickness correspond to genetic organization patterns. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 15462-7	11.5	149
28	MicroRNAs enrichment in GWAS of complex human phenotypes. *BMC Genomics*, **2015**, 16, 304	4.5	19
27	Augmenting psychoeducation with a mobile intervention for bipolar disorder: a randomized controlled trial. *Journal of Affective Disorders*, **2015**, 174, 23-30	6.6	133
26	Sexual health and function in later life: a population-based study of 606 older adults with a partner. *American Journal of Geriatric Psychiatry*, **2015**, 23, 227-33	6.5	56
25	Complex interplay between health and successful aging: role of perceived stress, resilience, and social support. *American Journal of Geriatric Psychiatry*, **2015**, 23, 622-32	6.5	52
24	The National Consortium on Alcohol and NeuroDevelopment in Adolescence (NCANDA): A Multisite Study of Adolescent Development and Substance Use. *Journal of Studies on Alcohol and Drugs*, **2015**, 76, 895-908	1.9	115
23	Genetic Sharing with Cardiovascular Disease Risk Factors and Diabetes Reveals Novel Bone Mineral Density Loci. *PLoS ONE*, **2015**, 10, e0144531	3.7	12
22	Abundant genetic overlap between blood lipids and immune-mediated diseases indicates shared molecular genetic mechanisms. *PLoS ONE*, **2015**, 10, e0123057	3.7	30

21	Cognitive complaints correlate with depression rather than concurrent objective cognitive impairment in the successful aging evaluation baseline sample. *Journal of Geriatric Psychiatry and Neurology*, **2014**, 27, 181-7	3.8	82
20	Boosting the power of schizophrenia genetics by leveraging new statistical tools. *Schizophrenia Bulletin*, **2014**, 40, 13-7	1.3	62
19	Identifying common genetic variants in blood pressure due to polygenic pleiotropy with associated phenotypes. *Hypertension*, **2014**, 63, 819-26	8.5	64
18	Covariate-modulated local false discovery rate for genome-wide association studies. *Bioinformatics*, **2014**, 30, 2098-104	7.2	34
17	Prediction of transplant-free survival in idiopathic pulmonary fibrosis patients using joint models for event times and mixed multivariate longitudinal data. *Journal of Applied Statistics*, **2014**, 41, 2192-2205	1	9
16	Post-traumatic stress symptoms and adult attachment: a 24-year longitudinal study. *American Journal of Geriatric Psychiatry*, **2014**, 22, 1603-12	6.5	14
15	The NIH Toolbox Cognition Battery: results from a large normative developmental sample (PING). *Neuropsychology*, **2014**, 28, 1-10	3.8	120
14	Shared common variants in prostate cancer and blood lipids. *International Journal of Epidemiology*, **2014**, 43, 1205-14	7.8	39
13	The role of clusterin in amyloid-β associated neurodegeneration. *JAMA Neurology*, **2014**, 71, 180-7	17.2	55
12	The prediction of study-emergent suicidal ideation in bipolar disorder: a pilot study using ecological momentary assessment data. *Bipolar Disorders*, **2014**, 16, 669-77	3.8	36
11	Improved detection of common variants associated with schizophrenia by leveraging pleiotropy with cardiovascular-disease risk factors. *American Journal of Human Genetics*, **2013**, 92, 197-209	11	293
10	Dense genotyping of immune-related disease regions identifies nine new risk loci for primary sclerosing cholangitis. *Nature Genetics*, **2013**, 45, 670-5	36.3	267
9	All SNPs are not created equal: genome-wide association studies reveal a consistent pattern of enrichment among functionally annotated SNPs. *PLoS Genetics*, **2013**, 9, e1003449	6	209
8	Improved detection of common variants associated with schizophrenia and bipolar disorder using pleiotropy-informed conditional false discovery rate. *PLoS Genetics*, **2013**, 9, e1003455	6	192
7	Association between higher levels of sexual function, activity, and satisfaction and self-rated successful aging in older postmenopausal women. *Journal of the American Geriatrics Society*, **2011**, 59, 1503-8	5.6	56
6	Bias in tensor based morphometry Stat-ROI measures may result in unrealistic power estimates. *NeuroImage*, **2011**, 57, 1-4	7.9	60
5	Design considerations for characterizing psychiatric trajectories across the lifespan: application to effects of APOE-ε4 on cerebral cortical thickness in Alzheimer's disease. *American Journal of Psychiatry*, **2011**, 168, 894-903	11.9	64
4	A Bayesian regression model for multivariate functional data. *Computational Statistics and Data Analysis*, **2009**, 53, 3773-3786	1.6	8

LIST OF PUBLICATIONS

3   A stimulus-locked vector autoregressive model for slow event-related fMRI designs. *NeuroImage*, **2009**, 46, 739-48   7.9   8

2   A nonlinear simulation framework supports adjusting for age when analyzing BrainAGE   2

1   A Comprehensive Overview of the Physical Health of the Adolescent Brain Cognitive Development Study (ABCD) Cohort at Baseline   1