Wesley Kurt Thompson

List of Publications by Year
in descending order

132 papers	9,222 citations	44042 48 h-index	54882 84 g-index
142 all docs	142 docs citations	142 times ranked	14571 citing authors

#	Article	IF	Citations
1	Risk for depression tripled during the COVID-19 pandemic in emerging adults followed for the last 8 years. Psychological Medicine, 2023, 53, 2156-2163.	2.7	12
2	Computational Modeling of the n-Back Task in the ABCD Study: Associations of Drift Diffusion Model Parameters to Polygenic Scores of Mental Disorders and Cardiometabolic Diseases. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2023, 8, 290-299.	1.1	1
3	Enhancing Discovery of Genetic Variants for Posttraumatic Stress Disorder Through Integration of Quantitative Phenotypes and Trauma Exposure Information. Biological Psychiatry, 2022, 91, 626-636.	0.7	21
4	Data Pollution in Neuropsychiatry—An Under-Recognized but Critical Barrier to Research Progress. JAMA Psychiatry, 2022, 79, 97.	6.0	5
5	Microstructural development from 9 to 14 years: Evidence from the ABCD Study. Developmental Cognitive Neuroscience, 2022, 53, 101044.	1.9	28
6	Developmental trajectories of Big Five personality traits among adolescents and young adults: Differences by sex, alcohol use, and marijuana use. Journal of Personality, 2022, 90, 748-761.	1.8	2
7	Association of Generalized Anxiety Disorder With Autonomic Hypersensitivity and Blunted Ventromedial Prefrontal Cortex Activity During Peripheral Adrenergic Stimulation. JAMA Psychiatry, 2022, 79, 323.	6.0	30
8	Measuring retention within the adolescent brain cognitive development (ABCD)SM study. Developmental Cognitive Neuroscience, 2022, 54, 101081.	1.9	7
9	Do aggregate, multimodal structural neuroimaging measures replicate regional developmental differences observed in highly cited cellular histological studies?. Developmental Cognitive Neuroscience, 2022, 54, 101086.	1.9	0
10	Reliability and stability challenges in ABCD task fMRI data. NeuroImage, 2022, 252, 119046.	2.1	40
11	Functional magnetic resonance imaging data for the association between polygenic risk scores for neuroticism and reward-punishment processing. Data in Brief, 2022, 42, 108014.	0.5	0
12	Multivariate genome-wide association study on tissue-sensitive diffusion metrics highlights pathways that shape the human brain. Nature Communications, 2022, 13, 2423.	5.8	12
13	Deep learning–based integration of genetics with registry data for stratification of schizophrenia and depression. Science Advances, 2022, 8, .	4.7	6
14	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.	2.0	8
15	Computational approaches and machine learning for individual-level treatment predictions. Psychopharmacology, 2021, 238, 1231-1239.	1.5	20
16	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.	1.6	24
17	Genetic predictors of educational attainment and intelligence test performance predict voter turnout. Nature Human Behaviour, 2021, 5, 281-291.	6.2	15
18	Breastfeeding Duration Is Associated With Domain-Specific Improvements in Cognitive Performance in 9–10-Year-Old Children. Frontiers in Public Health, 2021, 9, 657422.	1.3	16

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19	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.	0.8	9
20	Association of Heavy Drinking With Deviant Fiber Tract Development in Frontal Brain Systems in Adolescents. JAMA Psychiatry, 2021, 78, 407.	6.0	25
21	Responsible Use of Open-Access Developmental Data: The Adolescent Brain Cognitive Development (ABCD) Study. Psychological Science, 2021, 32, 866-870.	1.8	39
22	Rates of Incidental Findings in Brain Magnetic Resonance Imaging in Children. JAMA Neurology, 2021, 78, 578.	4.5	28
23	Cognitive Performance Trajectories Before and After Sleep Treatment Initiation in Middle-Aged and Older Adults: Results From the Health and Retirement Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, , .	1.7	2
24	Naturalization of the microbiota developmental trajectory of Cesarean-born neonates after vaginal seeding. Med, 2021, 2, 951-964.e5.	2.2	37
25	Recalibrating expectations about effect size: A multi-method survey of effect sizes in the ABCD study. PLoS ONE, 2021, 16, e0257535.	1.1	71
26	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.	1.2	52
27	Meaningful associations in the adolescent brain cognitive development study. NeuroImage, 2021, 239, 118262.	2.1	108
28	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.	2.0	5
29	Vertex-wise multivariate genome-wide association study identifies 780 unique genetic loci associated with cortical morphology. NeuroImage, 2021, 244, 118603.	2.1	48
30	A Comprehensive Overview of the Physical Health of the Adolescent Brain Cognitive Development Study Cohort at Baseline. Frontiers in Pediatrics, 2021, 9, 734184.	0.9	11
31	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.	1.1	8
32	Demographic and mental health assessments in the adolescent brain and cognitive development study: Updates and age-related trajectories. Developmental Cognitive Neuroscience, 2021, 52, 101031.	1.9	34
33	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.	1.9	44
34	Brain Predictability toolbox: a Python library for neuroimaging-based machine learning. Bioinformatics, 2021, 37, 1637-1638.	1.8	9
35	Neural vulnerability and hurricane-related media are associated with post-traumatic stress in youth. Nature Human Behaviour, 2021, 5, 1578-1589.	6.2	5
36	The genetic architecture of human cortical folding. Science Advances, 2021, 7, eabj9446.	4.7	50

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37	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.	2.7	18
38	Discovery of shared genomic loci using the conditional false discovery rate approach. Human Genetics, 2020, 139, 85-94.	1.8	109
39	Prediction of neurocognition in youth from resting state fMRI. Molecular Psychiatry, 2020, 25, 3413-3421.	4.1	79
40	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.	1.1	4
41	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.	3.3	47
42	Screen media activity does not displace other recreational activities among 9â€"10â€‰year-old youth: a cross-sectional ABCD studyÂ®. BMC Public Health, 2020, 20, 1783.	1.2	12
43	Understanding the genetic determinants of the brain with MOSTest. Nature Communications, 2020, 11, 3512.	5.8	100
44	Positive Economic, Psychosocial, and Physiological Ecologies Predict Brain Structure and Cognitive Performance in 9â€"10-Year-Old Children. Frontiers in Human Neuroscience, 2020, 14, 578822.	1.0	33
45	Strength of immune selection in tumors varies with sex and age. Nature Communications, 2020, 11, 4128.	5.8	78
46	Quantifying the Polygenic Architecture of the Human Cerebral Cortex: Extensive Genetic Overlap between Cortical Thickness and Surface Area. Cerebral Cortex, 2020, 30, 5597-5603.	1.6	29
47	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.	0.7	5
48	Sex-dependent autosomal effects on clinical progression of Alzheimerâ€™s disease. Brain, 2020, 143, 2272-2280.	3.7	46
49	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.	2.1	13
50	Neuroanatomical spread of amyloid Î² and tau in Alzheimerâ€™s disease: implications for primary prevention. Brain Communications, 2020, 2, fcaa007.	1.5	69
51	Title is missing!. , 2020, 16, e1009163.		0
52	Title is missing!. , 2020, 16, e1009163.		0
53	Title is missing!. , 2020, 16, e1009163.		0
54	Title is missing!. , 2020, 16, e1009163.		0

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55	Image processing and analysis methods for the Adolescent Brain Cognitive Development Study. NeuroImage, 2019, 202, 116091.	2.1	539
56	Predicting the course of Alzheimer's progression. Brain Informatics, 2019, 6, 6.	1.8	40
57	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.	1.8	11
58	International meta-analysis of PTSD genome-wide association studies identifies sex- and ancestry-specific genetic risk loci. Nature Communications, 2019, 10, 4558.	5.8	363
59	A genome-wide association study of shared risk across psychiatric disorders implicates gene regulation during fetal neurodevelopment. Nature Neuroscience, 2019, 22, 353-361.	7.1	173
60	Bivariate causal mixture model quantifies polygenic overlap between complex traits beyond genetic correlation. Nature Communications, 2019, 10, 2417.	5.8	190
61	Post-traumatic stress following military deployment: Genetic associations and cross-disorder genetic correlations. Journal of Affective Disorders, 2019, 252, 350-357.	2.0	12
62	The Challenges and Opportunities of Small Effects. JAMA Psychiatry, 2019, 76, 353.	6.0	83
63	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.	1.9	128
64	Screen media activity and brain structure in youth: Evidence for diverse structural correlation networks from the ABCD study. NeuroImage, 2019, 185, 140-153.	2.1	109
65	Bayesian latent time joint mixed effect models for multicohort longitudinal data. Statistical Methods in Medical Research, 2019, 28, 835-845.	0.7	41
66	Biospecimens and the ABCD study: Rationale, methods of collection, measurement and early data. Developmental Cognitive Neuroscience, 2018, 32, 97-106.	1.9	88
67	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.	0.3	30
68	Identification of shared genetic variants between schizophrenia and lung cancer. Scientific Reports, 2018, 8, 674.	1.6	33
69	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.	1.1	12
70	The Role of Aging, Drug Dependence, and Hepatitis C Comorbidity in Alcoholism Cortical Compromise. JAMA Psychiatry, 2018, 75, 474.	6.0	70
71	Altered Brain Developmental Trajectories in Adolescents After Initiating Drinking. American Journal of Psychiatry, 2018, 175, 370-380.	4.0	133
72	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.	1.2	24

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73	A Nonlinear Simulation Framework Supports Adjusting for Age When Analyzing BrainAGE. Frontiers in Aging Neuroscience, 2018, 10, 317.	1.7	183
74	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.	1.2	27
75	Cross-tissue eQTL enrichment of associations in schizophrenia. PLoS ONE, 2018, 13, e0202812.	1.1	6
76	Evolutionary Pressure against MHC Class II Binding Cancer Mutations. Cell, 2018, 175, 416-428.e13.	13.5	176
77	Quantifying the Impact of Rare and Ultra-rare Coding Variation across the Phenotypic Spectrum. American Journal of Human Genetics, 2018, 102, 1204-1211.	2.6	102
78	A correction for sample overlap in genome-wide association studies in a polygenic pleiotropy-informed framework. BMC Genomics, 2018, 19, 494.	1.2	37
79	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.	3.7	102
80	Identification of Gene Loci That Overlap Between Schizophrenia and Educational Attainment. Schizophrenia Bulletin, 2017, 43, sbw085.	2.3	56
81	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.	1.9	15
82	Genome-wide Pleiotropy Between Parkinson Disease and Autoimmune Diseases. JAMA Neurology, 2017, 74, 780.	4.5	245
83	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.	6.0	123
84	Leveraging genome characteristics to improve gene discovery for putamen subcortical brain structure. Scientific Reports, 2017, 7, 15736.	1.6	15
85	Estimating Effect Sizes and Expected Replication Probabilities from GWAS Summary Statistics. Frontiers in Genetics, 2016, 7, 15.	1.1	40
86	Leveraging Genomic Annotations and Pleiotropic Enrichment for Improved Replication Rates in Schizophrenia GWAS. PLoS Genetics, 2016, 12, e1005803.	1.5	34
87	Association Between Genetic Traits for Immune-Mediated Diseases and Alzheimer Disease. JAMA Neurology, 2016, 73, 691.	4.5	151
88	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, 449-473.	1.0	56
89	Pleiotropic Analysis of Lung Cancer and Blood Triglycerides. Journal of the National Cancer Institute, 2016, 108, djw167.	3.0	17
90	Neurodevelopmental origins of lifespan changes in brain and cognition. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9357-9362.	3.3	163

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91	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.	2.1	85
92	New statistical approaches exploit the polygenic architecture of schizophrenia—implications for the underlying neurobiology. Current Opinion in Neurobiology, 2016, 36, 89-98.	2.0	53
93	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, 403-414.	0.8	93
94	Is bigger always better? The importance of cortical configuration with respect to cognitive ability. NeuroImage, 2016, 129, 356-366.	2.1	36
95	Genetic overlap between multiple sclerosis and several cardiovascular disease risk factors. Multiple Sclerosis Journal, 2016, 22, 1783-1793.	1.4	25
96	Genetic Markers of Human Evolution Are Enriched in Schizophrenia. Biological Psychiatry, 2016, 80, 284-292.	0.7	92
97	Identifying Novel Gene Variants in Coronary Artery Disease and Shared Genes With Several Cardiovascular Risk Factors. Circulation Research, 2016, 118, 83-94.	2.0	52
98	Anxiety is related to indices of cortical maturation in typically developing children and adolescents. Brain Structure and Function, 2016, 221, 3013-3025.	1.2	43
99	The Pediatric Imaging, Neurocognition, and Genetics (PING) Data Repository. NeuroImage, 2016, 124, 1149-1154.	2.1	251
100	Technology-Based Early Warning Systems for Bipolar Disorder: A Conceptual Framework. JMIR Mental Health, 2016, 3, e42.	1.7	9
101	Paradoxical Trend for Improvement in Mental Health With Aging. Journal of Clinical Psychiatry, 2016, 77, e1019-e1025.	1.1	138
102	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.	0.6	181
103	Genetic Sharing with Cardiovascular Disease Risk Factors and Diabetes Reveals Novel Bone Mineral Density Loci. PLoS ONE, 2015, 10, e0144531.	1.1	14
104	Personality Change Due to Traumatic Brain Injury in Children and Adolescents: Neurocognitive Correlates. Journal of Neuropsychiatry and Clinical Neurosciences, 2015, 27, 272-279.	0.9	18
105	Does degree of gyrification underlie the phenotypic and genetic associations between cortical surface area and cognitive ability?. NeuroImage, 2015, 106, 154-160.	2.1	32
106	Hippocampal Atrophy Varies by Neuropsychologically Defined MCI Among Men in Their 50s. American Journal of Geriatric Psychiatry, 2015, 23, 456-465.	0.6	20
107	Polygenic Overlap Between C-Reactive Protein, Plasma Lipids, and Alzheimer Disease. Circulation, 2015, 131, 2061-2069.	1.6	145
108	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, 15462-15467.	3.3	228

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109	MicroRNAs enrichment in GWAS of complex human phenotypes. BMC Genomics, 2015, 16, 304.	1.2	24
110	Augmenting psychoeducation with a mobile intervention for bipolar disorder: A randomized controlled trial. Journal of Affective Disorders, 2015, 174, 23-30.	2.0	171
111	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, 227-233.	0.6	69
112	Complex Interplay Between Health and Successful Aging: Role of Perceived Stress, Resilience, and Social Support. American Journal of Geriatric Psychiatry, 2015, 23, 622-632.	0.6	69
113	Abundant Genetic Overlap between Blood Lipids and Immune-Mediated Diseases Indicates Shared Molecular Genetic Mechanisms. PLoS ONE, 2015, 10, e0123057.	1.1	40
114	Shared common variants in prostate cancer and blood lipids. International Journal of Epidemiology, 2014, 43, 1205-1214.	0.9	45
115	The Role of Clusterin in Amyloid-β–Associated Neurodegeneration. JAMA Neurology, 2014, 71, 180.	4.5	66
116	The prediction of study-emergent suicidal ideation in bipolar disorder: a pilot study using ecological momentary assessment data. Bipolar Disorders, 2014, 16, 669-677.	1.1	42
117	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, 181-187.	1.2	97
118	Boosting the Power of Schizophrenia Genetics by Leveraging New Statistical Tools. Schizophrenia Bulletin, 2014, 40, 13-17.	2.3	84
119	Identifying Common Genetic Variants in Blood Pressure Due to Polygenic Pleiotropy With Associated Phenotypes. Hypertension, 2014, 63, 819-826.	1.3	83
120	Covariate-modulated local false discovery rate for genome-wide association studies. Bioinformatics, 2014, 30, 2098-2104.	1.8	46
121	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.	0.6	11
122	Post-traumatic Stress Symptoms and Adult Attachment: A 24-year Longitudinal Study. American Journal of Geriatric Psychiatry, 2014, 22, 1603-1612.	0.6	24
123	The NIH Toolbox Cognition Battery: Results from a large normative developmental sample (PING).. Neuropsychology, 2014, 28, 1-10.	1.0	163
124	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.	2.6	422
125	Dense genotyping of immune-related disease regions identifies nine new risk loci for primary sclerosing cholangitis. Nature Genetics, 2013, 45, 670-675.	9.4	339
126	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.	1.5	268

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127	Improved Detection of Common Variants Associated with Schizophrenia and Bipolar Disorder Using Pleiotropy-Informed Conditional False Discovery Rate. PLoS Genetics, 2013, 9, e1003455.	1.5	298
128	Bias in tensor based morphometry Stat-ROI measures may result in unrealistic power estimates. NeuroImage, 2011, 57, 1-4.	2.1	63
129	Association Between Higher Levels of Sexual Function, Activity, and Satisfaction and Selfâ€Rated Successful Aging in Older Postmenopausal Women. Journal of the American Geriatrics Society, 2011, 59, 1503-1508.	1.3	72
130	Design Considerations for Characterizing Psychiatric Trajectories Across the Lifespan: Application to Effects of APOE-Îµ4 on Cerebral Cortical Thickness in Alzheimer's Disease. American Journal of Psychiatry, 2011, 168, 894-903.	4.0	75
131	A Bayesian regression model for multivariate functional data. Computational Statistics and Data Analysis, 2009, 53, 3773-3786.	0.7	10
132	A stimulus-locked vector autoregressive model for slow event-related fMRI designs. NeuroImage, 2009, 46, 739-748.	2.1	12