Wesley Kurt Thompson

List of Publications by Year
in descending order

132 papers	9,222 citations	43973 48 h-index	54797 84 g-index
142 all docs	142 docs citations	142 times ranked	14571 citing authors

#	Article	IF	Citations
1	Image processing and analysis methods for the Adolescent Brain Cognitive Development Study. NeuroImage, 2019, 202, 116091.	2.1	539
2	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
3	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
4	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
5	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
6	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
7	The Pediatric Imaging, Neurocognition, and Genetics (PING) Data Repository. NeuroImage, 2016, 124, 1149-1154.	2.1	251
8	Genome-wide Pleiotropy Between Parkinson Disease and Autoimmune Diseases. JAMA Neurology, 2017, 74, 780.	4.5	245
9	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
10	Bivariate causal mixture model quantifies polygenic overlap between complex traits beyond genetic correlation. Nature Communications, 2019, 10, 2417.	5.8	190
11	A Nonlinear Simulation Framework Supports Adjusting for Age When Analyzing BrainAGE. Frontiers in Aging Neuroscience, 2018, 10, 317.	1.7	183
12	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
13	Evolutionary Pressure against MHC Class II Binding Cancer Mutations. Cell, 2018, 175, 416-428.e13.	13.5	176
14	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
15	Augmenting psychoeducation with a mobile intervention for bipolar disorder: A randomized controlled trial. Journal of Affective Disorders, 2015, 174, 23-30.	2.0	171
16	The NIH Toolbox Cognition Battery: Results from a large normative developmental sample (PING).. Neuropsychology, 2014, 28, 1-10.	1.0	163
17	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
18	Association Between Genetic Traits for Immune-Mediated Diseases and Alzheimer Disease. JAMA Neurology, 2016, 73, 691.	4.5	151

#	ARTICLE	IF	CITATIONS
19	Polygenic Overlap Between C-Reactive Protein, Plasma Lipids, and Alzheimer Disease. Circulation, 2015, 131, 2061-2069.	1.6	145
20	Paradoxical Trend for Improvement in Mental Health With Aging. Journal of Clinical Psychiatry, 2016, 77, e1019-e1025.	1.1	138
21	Altered Brain Developmental Trajectories in Adolescents After Initiating Drinking. American Journal of Psychiatry, 2018, 175, 370-380.	4.0	133
22	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
23	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
24	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
25	Discovery of shared genomic loci using the conditional false discovery rate approach. Human Genetics, 2020, 139, 85-94.	1.8	109
26	Meaningful associations in the adolescent brain cognitive development study. NeuroImage, 2021, 239, 118262.	2.1	108
27	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
28	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
29	Understanding the genetic determinants of the brain with MOSTest. Nature Communications, 2020, 11, 3512.	5.8	100
30	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
31	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
32	Genetic Markers of Human Evolution Are Enriched in Schizophrenia. Biological Psychiatry, 2016, 80, 284-292.	0.7	92
33	Biospecimens and the ABCD study: Rationale, methods of collection, measurement and early data. Developmental Cognitive Neuroscience, 2018, 32, 97-106.	1.9	88
34	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
35	Boosting the Power of Schizophrenia Genetics by Leveraging New Statistical Tools. Schizophrenia Bulletin, 2014, 40, 13-17.	2.3	84
36	Identifying Common Genetic Variants in Blood Pressure Due to Polygenic Pleiotropy With Associated Phenotypes. Hypertension, 2014, 63, 819-826.	1.3	83

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37	The Challenges and Opportunities of Small Effects. JAMA Psychiatry, 2019, 76, 353.	6.0	83
38	Prediction of neurocognition in youth from resting state fMRI. Molecular Psychiatry, 2020, 25, 3413-3421.	4.1	79
39	Strength of immune selection in tumors varies with sex and age. Nature Communications, 2020, 11, 4128.	5.8	78
40	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
41	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
42	Recalibrating expectations about effect size: A multi-method survey of effect sizes in the ABCD study. PLoS ONE, 2021, 16, e0257535.	1.1	71
43	The Role of Aging, Drug Dependence, and Hepatitis C Comorbidity in Alcoholism Cortical Compromise. JAMA Psychiatry, 2018, 75, 474.	6.0	70
44	Sexual Health and Function in Later Life: AÂPopulation-Based Study of 606 Older Adults with a Partner. American Journal of Geriatric Psychiatry, 2015, 23, 227-233.	0.6	69
45	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
46	Neuroanatomical spread of amyloid Î² and tau in Alzheimerâ€™s disease: implications for primary prevention. Brain Communications, 2020, 2, fcaa007.	1.5	69
47	The Role of Clusterin in Amyloid-Î²â€"Associated Neurodegeneration. JAMA Neurology, 2014, 71, 180.	4.5	66
48	Bias in tensor based morphometry Stat-ROI measures may result in unrealistic power estimates. NeuroImage, 2011, 57, 1-4.	2.1	63
49	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
50	Identification of Gene Loci That Overlap Between Schizophrenia and Educational Attainment. Schizophrenia Bulletin, 2017, 43, sbw085.	2.3	56
51	New statistical approaches exploit the polygenic architecture of schizophreniaâ€"implications for the underlying neurobiology. Current Opinion in Neurobiology, 2016, 36, 89-98.	2.0	53
52	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
53	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
54	The genetic architecture of human cortical folding. Science Advances, 2021, 7, eabj9446.	4.7	50

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55	Vertex-wise multivariate genome-wide association study identifies 780 unique genetic loci associated with cortical morphology. NeuroImage, 2021, 244, 118603.	2.1	48
56	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
57	Covariate-modulated local false discovery rate for genome-wide association studies. Bioinformatics, 2014, 30, 2098-2104.	1.8	46
58	Sex-dependent autosomal effects on clinical progression of Alzheimer's disease. Brain, 2020, 143, 2272-2280.	3.7	46
59	Shared common variants in prostate cancer and blood lipids. International Journal of Epidemiology, 2014, 43, 1205-1214.	0.9	45
60	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
61	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
62	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
63	Bayesian latent time joint mixed effect models for multicohort longitudinal data. Statistical Methods in Medical Research, 2019, 28, 835-845.	0.7	41
64	Estimating Effect Sizes and Expected Replication Probabilities from GWAS Summary Statistics. Frontiers in Genetics, 2016, 7, 15.	1.1	40
65	Predicting the course of Alzheimer's progression. Brain Informatics, 2019, 6, 6.	1.8	40
66	Abundant Genetic Overlap between Blood Lipids and Immune-Mediated Diseases Indicates Shared Molecular Genetic Mechanisms. PLoS ONE, 2015, 10, e0123057.	1.1	40
67	Reliability and stability challenges in ABCD task fMRI data. NeuroImage, 2022, 252, 119046.	2.1	40
68	Responsible Use of Open-Access Developmental Data: The Adolescent Brain Cognitive Development (ABCD) Study. Psychological Science, 2021, 32, 866-870.	1.8	39
69	A correction for sample overlap in genome-wide association studies in a polygenic pleiotropy-informed framework. BMC Genomics, 2018, 19, 494.	1.2	37
70	Naturalization of the microbiota developmental trajectory of Cesarean-born neonates after vaginal seeding. Med, 2021, 2, 951-964.e5.	2.2	37
71	Is bigger always better? The importance of cortical configuration with respect to cognitive ability. NeuroImage, 2016, 129, 356-366.	2.1	36
72	Leveraging Genomic Annotations and Pleiotropic Enrichment for Improved Replication Rates in Schizophrenia GWAS. PLoS Genetics, 2016, 12, e1005803.	1.5	34

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73	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
74	Identification of shared genetic variants between schizophrenia and lung cancer. Scientific Reports, 2018, 8, 674.	1.6	33
75	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
76	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
77	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
78	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
79	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
80	Rates of Incidental Findings in Brain Magnetic Resonance Imaging in Children. JAMA Neurology, 2021, 78, 578.	4.5	28
81	Microstructural development from 9 to 14 years: Evidence from the ABCD Study. Developmental Cognitive Neuroscience, 2022, 53, 101044.	1.9	28
82	Bayesian latent time joint mixedâ€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
83	Genetic overlap between multiple sclerosis and several cardiovascular disease risk factors. Multiple Sclerosis Journal, 2016, 22, 1783-1793.	1.4	25
84	Association of Heavy Drinking With Deviant Fiber Tract Development in Frontal Brain Systems in Adolescents. JAMA Psychiatry, 2021, 78, 407.	6.0	25
85	Post-traumatic Stress Symptoms and Adult Attachment: A 24-year Longitudinal Study. American Journal of Geriatric Psychiatry, 2014, 22, 1603-1612.	0.6	24
86	MicroRNAs enrichment in GWAS of complex human phenotypes. BMC Genomics, 2015, 16, 304.	1.2	24
87	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
88	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
89	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
90	Hippocampal Atrophy Varies by Neuropsychologically Defined MCI Among Men in Their 50s. American Journal of Geriatric Psychiatry, 2015, 23, 456-465.	0.6	20

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91	Computational approaches and machine learning for individual-level treatment predictions. Psychopharmacology, 2021, 238, 1231-1239.	1.5	20
92	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
93	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
94	Pleiotropic Analysis of Lung Cancer and Blood Triglycerides. Journal of the National Cancer Institute, 2016, 108, djw167.	3.0	17
95	Breastfeeding Duration Is Associated With Domain-Specific Improvements in Cognitive Performance in 9â€"10-Year-Old Children. Frontiers in Public Health, 2021, 9, 657422.	1.3	16
96	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
97	Leveraging genome characteristics to improve gene discovery for putamen subcortical brain structure. Scientific Reports, 2017, 7, 15736.	1.6	15
98	Genetic predictors of educational attainment and intelligence test performance predict voter turnout. Nature Human Behaviour, 2021, 5, 281-291.	6.2	15
99	Genetic Sharing with Cardiovascular Disease Risk Factors and Diabetes Reveals Novel Bone Mineral Density Loci. PLoS ONE, 2015, 10, e0144531.	1.1	14
100	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
101	A stimulus-locked vector autoregressive model for slow event-related fMRI designs. NeuroImage, 2009, 46, 739-748.	2.1	12
102	A moleculeâ€based genetic association approach implicates a range of voltageâ€gated calcium channels associated with schizophrenia. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2018, 177, 454-467.	1.1	12
103	Post-traumatic stress following military deployment: Genetic associations and cross-disorder genetic correlations. Journal of Affective Disorders, 2019, 252, 350-357.	2.0	12
104	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
105	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
106	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
107	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
108	The relative efficiency of timeâ€toâ€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

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109	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
110	A Bayesian regression model for multivariate functional data. Computational Statistics and Data Analysis, 2009, 53, 3773-3786.	0.7	10
111	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
112	Technology-Based Early Warning Systems for Bipolar Disorder: A Conceptual Framework. JMIR Mental Health, 2016, 3, e42.	1.7	9
113	Brain Predictability toolbox: a Python library for neuroimaging-based machine learning. Bioinformatics, 2021, 37, 1637-1638.	1.8	9
114	Genetic factors underlying the bidirectional relationship between autoimmune and mental disorders â€" Findings from a Danish population-based study. Brain, Behavior, and Immunity, 2021, 91, 10-23.	2.0	8
115	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
116	Measuring retention within the adolescent brain cognitive development (ABCD)SM study. Developmental Cognitive Neuroscience, 2022, 54, 101081.	1.9	7
117	Cross-tissue eQTL enrichment of associations in schizophrenia. PLoS ONE, 2018, 13, e0202812.	1.1	6
118	Deep learningâ€"based integration of genetics with registry data for stratification of schizophrenia and depression. Science Advances, 2022, 8, .	4.7	6
119	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
120	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
121	Neural vulnerability and hurricane-related media are associated with post-traumatic stress in youth. Nature Human Behaviour, 2021, 5, 1578-1589.	6.2	5
122	Data Pollution in Neuropsychiatryâ€"An Under-Recognized but Critical Barrier to Research Progress. JAMA Psychiatry, 2022, 79, 97.	6.0	5
123	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
124	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
125	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
126	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

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127	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
128	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
129	Title is missing!. , 2020, 16, e1009163.		0
130	Title is missing!. , 2020, 16, e1009163.		0
131	Title is missing!. , 2020, 16, e1009163.		0
132	Title is missing!. , 2020, 16, e1009163.		0