

# Margaret Jane Wright

## List of Publications by Citations

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426  
papers

22,923  
citations

78  
h-index

136  
g-index

462  
ext. papers

28,424  
ext. citations

6.6  
avg. IF

6.06  
L-index

#	Paper	IF	Citations
426	Discovery of the first genome-wide significant risk loci for attention deficit/hyperactivity disorder. <i>Nature Genetics</i> , <b>2019</b> , 51, 63-75	36.3	826
425	Identification of seven loci affecting mean telomere length and their association with disease. <i>Nature Genetics</i> , <b>2013</b> , 45, 422-7, 427e1-2	36.3	624
424	Common genetic variants influence human subcortical brain structures. <i>Nature</i> , <b>2015</b> , 520, 224-9	50.4	601
423	Subcortical brain alterations in major depressive disorder: findings from the ENIGMA Major Depressive Disorder working group. <i>Molecular Psychiatry</i> , <b>2016</b> , 21, 806-12	15.1	589
422	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. <i>Brain Imaging and Behavior</i> , <b>2014</b> , 8, 153-82	4.1	539
421	Cortical abnormalities in adults and adolescents with major depression based on brain scans from 20 cohorts worldwide in the ENIGMA Major Depressive Disorder Working Group. <i>Molecular Psychiatry</i> , <b>2017</b> , 22, 900-909	15.1	514
420	Identification of common variants associated with human hippocampal and intracranial volumes. <i>Nature Genetics</i> , <b>2012</b> , 44, 552-61	36.3	498
419	Genome-wide association meta-analysis in 269,867 individuals identifies new genetic and functional links to intelligence. <i>Nature Genetics</i> , <b>2018</b> , 50, 912-919	36.3	475
418	Parent-of-origin-specific allelic associations among 106 genomic loci for age at menarche. <i>Nature</i> , <b>2014</b> , 514, 92-97	50.4	401
417	The heritability of general cognitive ability increases linearly from childhood to young adulthood. <i>Molecular Psychiatry</i> , <b>2010</b> , 15, 1112-20	15.1	379
416	Genetics of brain fiber architecture and intellectual performance. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 2217-24	15.1	357
415	Identification of IL6R and chromosome 11q13.5 as risk loci for asthma. <i>Lancet, The</i> , <b>2011</b> , 378, 1006-14	40	298
414	Meta-analysis of telomere length in 19,713 subjects reveals high heritability, stronger maternal inheritance and a paternal age effect. <i>European Journal of Human Genetics</i> , <b>2013</b> , 21, 1163-8	5.3	291
413	Multi-site genetic analysis of diffusion images and voxelwise heritability analysis: a pilot project of the ENIGMA-DTI working group. <i>NeuroImage</i> , <b>2013</b> , 81, 455-469	7.9	278
412	Meta-analysis of genome-wide association studies for personality. <i>Molecular Psychiatry</i> , <b>2012</b> , 17, 337-49	15.1	274
411	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. <i>Nature Communications</i> , <b>2018</b> , 9, 2098	17.4	254
410	Genetic contributions to variation in general cognitive function: a meta-analysis of genome-wide association studies in the CHARGE consortium (N=53949). <i>Molecular Psychiatry</i> , <b>2015</b> , 20, 183-92	15.1	250

409	Meta-analysis of Genome-wide Association Studies for Neuroticism, and the Polygenic Association With Major Depressive Disorder. <i>JAMA Psychiatry</i> , <b>2015</b> , 72, 642-50	14.5	222
408	Genetic influences on handedness: data from 25,732 Australian and Dutch twin families. <i>Neuropsychologia</i> , <b>2009</b> , 47, 330-7	3.2	205
407	Genetics of white matter development: a DTI study of 705 twins and their siblings aged 12 to 29. <i>NeuroImage</i> , <b>2011</b> , 54, 2308-17	7.9	201
406	Common variants in the trichohyalin gene are associated with straight hair in Europeans. <i>American Journal of Human Genetics</i> , <b>2009</b> , 85, 750-5	11	200
405	A genome-wide association study identifies five loci influencing facial morphology in Europeans. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002932	6	194
404	Brisbane Adolescent Twin Study: Outline of study methods and research projects. <i>Australian Journal of Psychology</i> , <b>2004</b> , 56, 65-78	2.3	183
403	Mapping cortical brain asymmetry in 17,141 healthy individuals worldwide via the ENIGMA Consortium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E5154-E5163	11.5	182
402	Common genetic variants associated with cognitive performance identified using the proxy-phenotype method. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 13790-4	11.5	181
401	Common variants at 12q14 and 12q24 are associated with hippocampal volume. <i>Nature Genetics</i> , <b>2012</b> , 44, 545-51	36.3	175
400	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , <b>2017</b> , 8, 13624	17.4	173
399	Childhood intelligence is heritable, highly polygenic and associated with FBNP1L. <i>Molecular Psychiatry</i> , <b>2014</b> , 19, 253-8	15.1	171
398	Genome-wide meta-analysis identifies six novel loci associated with habitual coffee consumption. <i>Molecular Psychiatry</i> , <b>2015</b> , 20, 647-656	15.1	167
397	Genetic and environmental contributions to weight, height, and BMI from birth to 19 years of age: an international study of over 12,000 twin pairs. <i>PLoS ONE</i> , <b>2012</b> , 7, e30153	3.7	166
396	Genetic influences on schizophrenia and subcortical brain volumes: large-scale proof of concept. <i>Nature Neuroscience</i> , <b>2016</b> , 19, 420-431	25.5	163
395	Heritability of fractional anisotropy in human white matter: a comparison of Human Connectome Project and ENIGMA-DTI data. <i>NeuroImage</i> , <b>2015</b> , 111, 300-11	7.9	159
394	Covert orientation of visual attention in Parkinson's disease: an impairment in the maintenance of attention. <i>Neuropsychologia</i> , <b>1990</b> , 28, 151-9	3.2	158
393	The genetic architecture of the human cerebral cortex. <i>Science</i> , <b>2020</b> , 367,	33.3	156
392	Genetic and environmental influences on neuroimaging phenotypes: a meta-analytical perspective on twin imaging studies. <i>Twin Research and Human Genetics</i> , <b>2012</b> , 15, 351-71	2.2	155

391	ENIGMA and global neuroscience: A decade of large-scale studies of the brain in health and disease across more than 40 countries. <i>Translational Psychiatry</i> , <b>2020</b> , 10, 100	8.6	154
390	Genetic structure of spatial and verbal working memory. <i>Behavior Genetics</i> , <b>2001</b> , 31, 615-24	3.2	150
389	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , <b>2016</b> , 19, 1569-1582	25.5	147
388	ENIGMA and the individual: Predicting factors that affect the brain in 35 countries worldwide. <i>NeuroImage</i> , <b>2017</b> , 145, 389-408	7.9	142
387	Heritability of working memory brain activation. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 10882-90	6.6	141
386	Development of brain structural connectivity between ages 12 and 30: a 4-Tesla diffusion imaging study in 439 adolescents and adults. <i>NeuroImage</i> , <b>2013</b> , 64, 671-84	7.9	140
385	Common Alzheimer's disease risk variant within the CLU gene affects white matter microstructure in young adults. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 6764-70	6.6	139
384	Genome-wide scan of healthy human connectome discovers SPON1 gene variant influencing dementia severity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 4768-73	11.5	123
383	Meta-analysis of Genome-Wide Association Studies for Extraversion: Findings from the Genetics of Personality Consortium. <i>Behavior Genetics</i> , <b>2016</b> , 46, 170-82	3.2	122
382	Novel loci affecting iron homeostasis and their effects in individuals at risk for hemochromatosis. <i>Nature Communications</i> , <b>2014</b> , 5, 4926	17.4	121
381	Directional dominance on stature and cognition in diverse human populations. <i>Nature</i> , <b>2015</b> , 523, 459-462	20.4	119
380	A direct test of the diathesis-stress model for depression. <i>Molecular Psychiatry</i> , <b>2018</b> , 23, 1590-1596	15.1	114
379	Mega-Analysis of Gray Matter Volume in Substance Dependence: General and Substance-Specific Regional Effects. <i>American Journal of Psychiatry</i> , <b>2019</b> , 176, 119-128	11.9	114
378	Genetic influences on brain asymmetry: a DTI study of 374 twins and siblings. <i>NeuroImage</i> , <b>2010</b> , 52, 455-69	7.9	112
377	Genetic covariance among measures of information processing speed, working memory, and IQ. <i>Behavior Genetics</i> , <b>2001</b> , 31, 581-92	3.2	111
376	Common genetic variants near the Brittle Cornea Syndrome locus ZNF469 influence the blinding disease risk factor central corneal thickness. <i>PLoS Genetics</i> , <b>2010</b> , 6, e1000947	6	106
375	The perception of quinine taste intensity is associated with common genetic variants in a bitter receptor cluster on chromosome 12. <i>Human Molecular Genetics</i> , <b>2010</b> , 19, 4278-85	5.6	105
374	Automatic clustering of white matter fibers in brain diffusion MRI with an application to genetics. <i>NeuroImage</i> , <b>2014</b> , 100, 75-90	7.9	102

373	Genome-wide association study of lifetime cannabis use based on a large meta-analytic sample of 32 330 subjects from the International Cannabis Consortium. <i>Translational Psychiatry</i> , <b>2016</b> , 6, e769	8.6	102
372	Common polygenic risk for autism spectrum disorder (ASD) is associated with cognitive ability in the general population. <i>Molecular Psychiatry</i> , <b>2016</b> , 21, 419-25	15.1	101
371	Quantifying the heritability of task-related brain activation and performance during the N-back working memory task: a twin fMRI study. <i>Biological Psychology</i> , <b>2008</b> , 79, 70-9	3.2	99
370	A Genetic Basis for Social Trust?. <i>Political Behavior</i> , <b>2010</b> , 32, 205-230	2.6	96
369	A genomewide scan for intelligence identifies quantitative trait loci on 2q and 6p. <i>American Journal of Human Genetics</i> , <b>2005</b> , 77, 318-26	11	96
368	Multi-site study of additive genetic effects on fractional anisotropy of cerebral white matter: Comparing meta and mega-analytical approaches for data pooling. <i>NeuroImage</i> , <b>2014</b> , 95, 136-50	7.9	95
367	BDNF gene effects on brain circuitry replicated in 455 twins. <i>NeuroImage</i> , <b>2011</b> , 55, 448-54	7.9	94
366	Predictors of cognitive decline after chemotherapy in breast cancer patients. <i>Journal of the International Neuropsychological Society</i> , <b>2009</b> , 15, 951-62	3.1	93
365	Association between ORM DL3, IL1RL1 and a deletion on chromosome 17q21 with asthma risk in Australia. <i>European Journal of Human Genetics</i> , <b>2011</b> , 19, 458-64	5.3	92
364	Genetic variation of individual alpha frequency (IAF) and alpha power in a large adolescent twin sample. <i>International Journal of Psychophysiology</i> , <b>2006</b> , 61, 235-43	2.9	89
363	White matter disturbances in major depressive disorder: a coordinated analysis across 20 international cohorts in the ENIGMA MDD working group. <i>Molecular Psychiatry</i> , <b>2020</b> , 25, 1511-1525	15.1	89
362	Heritability and reliability of automatically segmented human hippocampal formation subregions. <i>NeuroImage</i> , <b>2016</b> , 128, 125-137	7.9	88
361	Human subcortical brain asymmetries in 15,847 people worldwide reveal effects of age and sex. <i>Brain Imaging and Behavior</i> , <b>2017</b> , 11, 1497-1514	4.1	87
360	Meta-analysis of genome-wide association studies identifies common variants in CTNNA2 associated with excitement-seeking. <i>Translational Psychiatry</i> , <b>2011</b> , 1, e49	8.6	84
359	The genetic association between personality and major depression or bipolar disorder. A polygenic score analysis using genome-wide association data. <i>Translational Psychiatry</i> , <b>2011</b> , 1, e50	8.6	83
358	Heritability and genetic covariation of sensitivity to PROP, SOA, quinine HCl, and caffeine. <i>Chemical Senses</i> , <b>2006</b> , 31, 403-13	4.8	83
357	Opposite effects of androgen receptor CAG repeat length on increased risk of left-handedness in males and females. <i>Behavior Genetics</i> , <b>2005</b> , 35, 735-44	3.2	83
356	The Nature of Nurture: Using a Virtual-Parent Design to Test Parenting Effects on Children's Educational Attainment in Genotyped Families. <i>Twin Research and Human Genetics</i> , <b>2018</b> , 21, 73-83	2.2	81

355	Altered structural brain connectivity in healthy carriers of the autism risk gene, CNTNAP2. <i>Brain Connectivity</i> , <b>2011</b> , 1, 447-59	2.7	81
354	The heritability of conscientiousness facets and their relationship to IQ and academic achievement. <i>Personality and Individual Differences</i> , <b>2006</b> , 40, 1189-1199	3.3	81
353	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , <b>2019</b> , 51, 1624-1636	3.6	81
352	Harmonization of Neuroticism and Extraversion phenotypes across inventories and cohorts in the Genetics of Personality Consortium: an application of Item Response Theory. <i>Behavior Genetics</i> , <b>2014</b> , 44, 295-313	3.2	80
351	Genetic variance in a component of the language acquisition device: ROBO1 polymorphisms associated with phonological buffer deficits. <i>Behavior Genetics</i> , <b>2011</b> , 41, 50-7	3.2	80
350	Imaging genomics. <i>Current Opinion in Neurology</i> , <b>2010</b> , 23, 368-73	7.1	80
349	A haplotype spanning KIAA0319 and TTRAP is associated with normal variation in reading and spelling ability. <i>Biological Psychiatry</i> , <b>2007</b> , 62, 811-7	7.9	79
348	The effect of increased genetic risk for Alzheimer's disease on hippocampal and amygdala volume. <i>Neurobiology of Aging</i> , <b>2016</b> , 40, 68-77	5.6	78
347	Discovery and Replication of Gene Influences on Brain Structure Using LASSO Regression. <i>Frontiers in Neuroscience</i> , <b>2012</b> , 6, 115	5.1	77
346	Genetic covariation among facets of openness to experience and general cognitive ability. <i>Twin Research and Human Genetics</i> , <b>2008</b> , 11, 275-86	2.2	75
345	A variant in LIN28B is associated with 2D:4D finger-length ratio, a putative retrospective biomarker of prenatal testosterone exposure. <i>American Journal of Human Genetics</i> , <b>2010</b> , 86, 519-25	11	74
344	Common and specific genetic influences on EEG power bands delta, theta, alpha, and beta. <i>Biological Psychology</i> , <b>2007</b> , 75, 154-64	3.2	74
343	Genetics of cognition: outline of a collaborative twin study. <i>Twin Research and Human Genetics</i> , <b>2001</b> , 4, 48-56		74
342	The Brisbane Systems Genetics Study: genetical genomics meets complex trait genetics. <i>PLoS ONE</i> , <b>2012</b> , 7, e35430	3.7	73
341	The ongoing adaptive evolution of ASPM and Microcephalin is not explained by increased intelligence. <i>Human Molecular Genetics</i> , <b>2007</b> , 16, 600-8	5.6	72
340	A genome-wide association study for reading and language abilities in two population cohorts. <i>Genes, Brain and Behavior</i> , <b>2013</b> , 12, 645-52	3.6	71
339	Genetic contribution to individual variation in binocular rivalry rate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 2664-8	11.5	71
338	The tensor distribution function. <i>Magnetic Resonance in Medicine</i> , <b>2009</b> , 61, 205-14	4.4	71

337	Mapping the regional influence of genetics on brain structure variability--a tensor-based morphometry study. <i>NeuroImage</i> , <b>2009</b> , 48, 37-49	7.9	71
336	Quantitative trait loci for CD4:CD8 lymphocyte ratio are associated with risk of type 1 diabetes and HIV-1 immune control. <i>American Journal of Human Genetics</i> , <b>2010</b> , 86, 88-92	11	71
335	Genetic and Environmental Contributions to Functional Connectivity Architecture of the Human Brain. <i>Cerebral Cortex</i> , <b>2016</b> , 26, 2341-2352	5.1	70
334	The contribution of genes to cortical thickness and volume. <i>NeuroReport</i> , <b>2011</b> , 22, 101-5	1.7	70
333	Meeting the Challenges of Neuroimaging Genetics. <i>Brain Imaging and Behavior</i> , <b>2008</b> , 2, 258-263	4.1	69
332	Sequence variants in three loci influence monocyte counts and erythrocyte volume. <i>American Journal of Human Genetics</i> , <b>2009</b> , 85, 745-9	11	67
331	Genetic control of gene expression in whole blood and lymphoblastoid cell lines is largely independent. <i>Genome Research</i> , <b>2012</b> , 22, 456-66	9.7	67
330	Brain structure in healthy adults is related to serum transferrin and the H63D polymorphism in the HFE gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, E851-9	11.5	66
329	Dyslexia and DCDC2: normal variation in reading and spelling is associated with DCDC2 polymorphisms in an Australian population sample. <i>European Journal of Human Genetics</i> , <b>2010</b> , 18, 668-73	5.3	66
328	Working memory in schizophrenia and mania: correlation with symptoms during the acute and subacute phases. <i>Acta Psychiatrica Scandinavica</i> , <b>2001</b> , 103, 181-8	6.5	65
327	Genetic and environmental influences on optimism and its relationship to mental and self-rated health: a study of aging twins. <i>Behavior Genetics</i> , <b>2009</b> , 39, 597-604	3.2	64
326	Genetic co-morbidity between neuroticism, anxiety/depression and somatic distress in a population sample of adolescent and young adult twins. <i>Psychological Medicine</i> , <b>2012</b> , 42, 1249-60	6.9	64
325	Dyslexia and DYX1C1: deficits in reading and spelling associated with a missense mutation. <i>Molecular Psychiatry</i> , <b>2010</b> , 15, 1190-6	15.1	63
324	Handedness in Twins: Joint Analysis of Data From 35 Samples. <i>Twin Research and Human Genetics</i> , <b>2006</b> , 9, 46-53	2.2	62
323	Whole genome association scan for genetic polymorphisms influencing information processing speed. <i>Biological Psychology</i> , <b>2011</b> , 86, 193-202	3.2	61
322	Assessing Variations in Areal Organization for the Intrinsic Brain: From Fingerprints to Reliability. <i>Cerebral Cortex</i> , <b>2016</b> , 26, 4192-4211	5.1	60
321	Subcortical brain structure and suicidal behaviour in major depressive disorder: a meta-analysis from the ENIGMA-MDD working group. <i>Translational Psychiatry</i> , <b>2017</b> , 7, e1116	8.6	58
320	How does angular resolution affect diffusion imaging measures?. <i>NeuroImage</i> , <b>2010</b> , 49, 1357-71	7.9	56

319	The genetic basis of academic achievement on the Queensland Core Skills Test and its shared genetic variance with IQ. <i>Behavior Genetics</i> , <b>2005</b> , 35, 133-45	3.2	56
318	Event related potentials during covert orientation of visual attention: effects of cue validity and directionality. <i>Biological Psychology</i> , <b>1995</b> , 41, 183-202	3.2	56
317	Genetic factors predisposing to homosexuality may increase mating success in heterosexuals?. <i>Evolution and Human Behavior</i> , <b>2008</b> , 29, 424-433	4	54
316	Human cognitive ability is influenced by genetic variation in components of postsynaptic signalling complexes assembled by NMDA receptors and MAGUK proteins. <i>Translational Psychiatry</i> , <b>2014</b> , 4, e341	8.6	53
315	Allelic differences between Europeans and Chinese for CREB1 SNPs and their implications in gene expression regulation, hippocampal structure and function, and bipolar disorder susceptibility. <i>Molecular Psychiatry</i> , <b>2014</b> , 19, 452-61	15.1	52
314	Hierarchical topological network analysis of anatomical human brain connectivity and differences related to sex and kinship. <i>NeuroImage</i> , <b>2012</b> , 59, 3784-804	7.9	52
313	A comprehensive neuropsychiatric study of elderly twins: the Older Australian Twins Study. <i>Twin Research and Human Genetics</i> , <b>2009</b> , 12, 573-82	2.2	52
312	Is there a genetic correlation between general factors of intelligence and personality?. <i>Twin Research and Human Genetics</i> , <b>2015</b> , 18, 234-42	2.2	51
311	Heritability of head size in Dutch and Australian twin families at ages 0-50 years. <i>Twin Research and Human Genetics</i> , <b>2010</b> , 13, 370-80	2.2	51
310	Genome-wide association study of height and body mass index in Australian twin families. <i>Twin Research and Human Genetics</i> , <b>2010</b> , 13, 179-93	2.2	51
309	Genome-wide autozygosity is associated with lower general cognitive ability. <i>Molecular Psychiatry</i> , <b>2016</b> , 21, 837-43	15.1	49
308	Brain aging in major depressive disorder: results from the ENIGMA major depressive disorder working group. <i>Molecular Psychiatry</i> , <b>2021</b> , 26, 5124-5139	15.1	48
307	A common genetic influence on human intensity ratings of sugars and high-potency sweeteners. <i>Twin Research and Human Genetics</i> , <b>2015</b> , 18, 361-7	2.2	48
306	A genetic investigation of the covariation among inspection time, choice reaction time, and IQ subtest scores. <i>Behavior Genetics</i> , <b>2004</b> , 34, 41-50	3.2	48
305	On the heritability of inspection time and its covariance with IQ: a twin study. <i>Intelligence</i> , <b>2001</b> , 29, 443-457	3.2	48
304	Heritability of head motion during resting state functional MRI in 462 healthy twins. <i>NeuroImage</i> , <b>2014</b> , 102 Pt 2, 424-34	7.9	47
303	GWAS findings for human iris patterns: associations with variants in genes that influence normal neuronal pattern development. <i>American Journal of Human Genetics</i> , <b>2011</b> , 89, 334-43	11	47
302	Heritability of the shape of subcortical brain structures in the general population. <i>Nature Communications</i> , <b>2016</b> , 7, 13738	17.4	47



301	Partitioning heritability analysis reveals a shared genetic basis of brain anatomy and schizophrenia. <i>Molecular Psychiatry</i> , <b>2016</b> , 21, 1680-1689	15.1	47
300	Novel pleiotropic risk loci for melanoma and nevus density implicate multiple biological pathways. <i>Nature Communications</i> , <b>2018</b> , 9, 4774	17.4	47
299	Aging, exceptional longevity and comparisons of the Hannum and Horvath epigenetic clocks. <i>Epigenomics</i> , <b>2017</b> , 9, 689-700	4.4	46
298	ENIGMA MDD: seven years of global neuroimaging studies of major depression through worldwide data sharing. <i>Translational Psychiatry</i> , <b>2020</b> , 10, 172	8.6	46
297	An epigenome-wide association study meta-analysis of educational attainment. <i>Molecular Psychiatry</i> , <b>2017</b> , 22, 1680-1690	15.1	46
296	Genome-wide association study of inattention and hyperactivity-impulsivity measured as quantitative traits. <i>Twin Research and Human Genetics</i> , <b>2013</b> , 16, 560-74	2.2	46
295	A twin study of the genetics of high cognitive ability selected from 11,000 twin pairs in six studies from four countries. <i>Behavior Genetics</i> , <b>2009</b> , 39, 359-70	3.2	46
294	Discovery and replication of dopamine-related gene effects on caudate volume in young and elderly populations (N=1198) using genome-wide search. <i>Molecular Psychiatry</i> , <b>2011</b> , 16, 927-37, 881	15.1	45
293	Gene network effects on brain microstructure and intellectual performance identified in 472 twins. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 8732-45	6.6	45
292	Behaviour genetic analyses of reading and spelling: A component processes approach. <i>Australian Journal of Psychology</i> , <b>2004</b> , 56, 115-126	2.3	45
291	Heritability of the network architecture of intrinsic brain functional connectivity. <i>NeuroImage</i> , <b>2015</b> , 121, 243-52	7.9	44
290	Genetic influences on four measures of executive functions and their covariation with general cognitive ability: the Older Australian Twins Study. <i>Behavior Genetics</i> , <b>2012</b> , 42, 528-38	3.2	44
289	The genetic correlation between height and IQ: shared genes or assortative mating?. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003451	6	44
288	Effect of the BDNF V166M polymorphism on working memory in healthy adolescents. <i>Genes, Brain and Behavior</i> , <b>2007</b> , 6, 260-8	3.6	43
287	A large-scale genome-wide association study meta-analysis of cannabis use disorder. <i>Lancet Psychiatry</i> , <b>2020</b> , 7, 1032-1045	23.3	43
286	Genetic architecture of subcortical brain regions: common and region-specific genetic contributions. <i>Genes, Brain and Behavior</i> , <b>2014</b> , 13, 821-30	3.6	42
285	Perceptual speed does not cause intelligence, and intelligence does not cause perceptual speed. <i>Biological Psychology</i> , <b>2005</b> , 70, 1-8	3.2	42
284	Genetics of brain function and cognition. <i>Behavior Genetics</i> , <b>2001</b> , 31, 489-95	3.2	42

283	Genetic influence on the variance in P3 amplitude and latency. <i>Behavior Genetics</i> , <b>2001</b> , 31, 555-65	3.2	42
282	Genetic and environmental influences on risky sexual behaviour and its relationship with personality. <i>Behavior Genetics</i> , <b>2010</b> , 40, 12-21	3.2	41
281	Self-ratings of olfactory function reflect odor annoyance rather than olfactory acuity. <i>Laryngoscope</i> , <b>2008</b> , 118, 2212-7	3.6	41
280	Head Motion and Inattention/Hyperactivity Share Common Genetic Influences: Implications for fMRI Studies of ADHD. <i>PLoS ONE</i> , <b>2016</b> , 11, e0146271	3.7	41
279	Risk prediction of late-onset Alzheimer's disease implies an oligogenic architecture. <i>Nature Communications</i> , <b>2020</b> , 11, 4799	17.4	41
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132	Genome-wide association study of working memory brain activation. <i>International Journal of Psychophysiology</i> , <b>2017</b> , 115, 98-111	2.9	11
131	DISCOVERY OF GENES THAT AFFECT HUMAN BRAIN CONNECTIVITY: A GENOME-WIDE ANALYSIS OF THE CONNECTOME <b>2012</b> , 542-545	1.5	11
130	Multivariate genetic analysis of cognitive abilities in an adolescent twin sample. <i>Australian Journal of Psychology</i> , <b>2004</b> , 56, 79-88	2.3	11
129	Contrast effects and sex influence maternal and self-report dimensional measures of attention-deficit hyperactivity disorder. <i>Behavior Genetics</i> , <b>2015</b> , 45, 35-50	3.2	10
128	GROUP ACTION INDUCED AVERAGING FOR HARDI PROCESSING <b>2012</b> , 1389-1392	1.5	10
127	DIFFUSION IMAGING PROTOCOL EFFECTS ON GENETIC ASSOCIATIONS <b>2012</b> , 944-947	1.5	10
126	Is Healthy Neuroticism Associated with Longevity? A Coordinated Integrative Data Analysis. <i>Collabra: Psychology</i> , <b>2020</b> , 6,	2.8	10
125	Information-theoretic analysis of brain white matter fiber orientation distribution functions. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 20, 172-82	0.9	10
124	Genetic covariance between processing speed and IQ. <b>2003</b> , 163-181		10
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120	Validation and psychometric properties of the Somatic and Psychological HEalth REport (SPHERE) in a young Australian-based population sample using non-parametric item response theory. <i>BMC Psychiatry</i> , <b>2017</b> , 17, 279	4.2	9
119	Pathways to depression by age 16 years: Examining trajectories for self-reported psychological and somatic phenotypes across adolescence. <i>Journal of Affective Disorders</i> , <b>2018</b> , 230, 1-6	6.6	9
118	No association between Cholinergic Muscarinic Receptor 2 (CHRM2) genetic variation and cognitive abilities in three independent samples. <i>Behavior Genetics</i> , <b>2009</b> , 39, 513-23	3.2	9
117	QTLs identified for P3 amplitude in a non-clinical sample: importance of neurodevelopmental and neurotransmitter genes. <i>Biological Psychiatry</i> , <b>2008</b> , 63, 864-73	7.9	9
116	Event-related potential correlates of impaired visuospatial working memory in schizophrenia. <i>Psychophysiology</i> , <b>2003</b> , 40, 702-15	4.1	9
115	Tensor-based analysis of genetic influences on brain integrity using DTI in 100 twins. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 12, 967-74	0.9	9
114	Cohort Profile: Nausea and vomiting during pregnancy genetics consortium (NVP Genetics Consortium). <i>International Journal of Epidemiology</i> , <b>2017</b> , 46, e17	7.8	9
113	Examining non-syndromic autosomal recessive intellectual disability (NS-ARID) genes for an enriched association with intelligence differences. <i>Intelligence</i> , <b>2016</b> , 54, 80-89	3	8
112	Single Nucleotide Polymorphisms Associated with Reading Ability Show Connection to Socio-Economic Outcomes. <i>Behavior Genetics</i> , <b>2017</b> , 47, 469-479	3.2	8
111	MULTIVARIATE VARIANCE-COMPONENTS ANALYSIS IN DTI <b>2010</b> , 2010, 1157-1160	1.5	8
110	Genetics of microstructure of the corpus callosum in older adults. <i>PLoS ONE</i> , <b>2014</b> , 9, e113181	3.7	8
109	Genetics of Path Lengths in Brain Connectivity Networks: HARDI-Based Maps in 457 Adults. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 7509, 29-40	0.9	8
108	Exhaustive search of the SNP-SNP interactome identifies epistatic effects on brain volume in two cohorts. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 600-7	0.9	8
107	A meta-analysis of the relationship between subjective sleep and depressive symptoms in adolescence. <i>Sleep Medicine</i> , <b>2021</b> , 79, 134-144	4.6	8
106	No Genetic Overlap Between Circulating Iron Levels and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , <b>2017</b> , 59, 85-99	4.3	7
105	Brain network efficiency and topology depend on the fiber tracking method: 11 tractography algorithms compared in 536 subjects <b>2013</b> ,		7
104	How a common variant in the growth factor receptor gene, NTRK1, affects white matter. <i>Bioarchitecture</i> , <b>2012</b> , 2, 181-4		7

103	Testing replication of a 5-SNP set for general cognitive ability in six population samples. <i>European Journal of Human Genetics</i> , <b>2008</b> , 16, 1388-95	5.3	7
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101	Linkage analyses of event-related potential slow wave phenotypes recorded in a working memory task. <i>Behavior Genetics</i> , <b>2006</b> , 36, 29-44	3.2	7
100	ENIGMA and Global Neuroscience: A Decade of Large-Scale Studies of the Brain in Health and Disease across more than 40 Countries		7
99	Multiple Stages Classification of Alzheimer's Disease Based on Structural Brain Networks Using Generalized Low Rank Approximations (GLRAM). <i>Mathematics and Visualization</i> , <b>2014</b> , 35-44	0.6	7
98	Do Candidate Genes Affect the Brain's White Matter Microstructure? Large-Scale Evaluation of 6,165 Diffusion MRI Scans		7
97	Genetic Determinants of Cortical Structure (Thickness, Surface Area and Volumes) among Disease Free Adults in the CHARGE Consortium		7
96	Discovery of 42 Genome-Wide Significant Loci Associated with Dyslexia		7
95	Non-linear realignment improves hippocampus subfield segmentation reliability. <i>NeuroImage</i> , <b>2019</b> , 203, 116206	7.9	6
94	Associations between brain structure and perceived intensity of sweet and bitter tastes. <i>Behavioural Brain Research</i> , <b>2019</b> , 363, 103-108	3.4	6
93	Comparative effects of ageing and dementia of the Alzheimer type on orientation of visual attention. <i>Dementia and Geriatric Cognitive Disorders</i> , <b>1997</b> , 8, 366-75	2.6	6
92	A NEW REGISTRATION METHOD BASED ON LOG-EUCLIDEAN TENSOR METRICS AND ITS APPLICATION TO GENETIC STUDIES <b>2008</b> , 2008, 1115-1118	1.5	6
91	Genetic Influence on the Variance in Coincidence Timing and its Covariance with IQ: A Twin Study. <i>Intelligence</i> , <b>2000</b> , 28, 239-250	3	6
90	The effects of closed head injury, senile dementia of the Alzheimer's type, and Parkinson's disease on covert orientation of visual attention. <i>Australian Journal of Psychology</i> , <b>1994</b> , 46, 63-72	2.3	6
89	Is Healthy Neuroticism Associated with Chronic Conditions? A Coordinated Integrative Data Analysis. <i>Collabra: Psychology</i> , <b>2020</b> , 6,	2.8	6
88	Genome-wide association analyses of individual differences in quantitatively assessed reading- and language-related skills in up to 34,000 people		6
87	Subcortical Volume Trajectories across the Lifespan: Data from 18,605 healthy individuals aged 3-90 years		6
86	Changes in Thyroid Function Across Adolescence: A Longitudinal Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2020</b> , 105,	5.6	6

85	1q21.1 distal copy number variants are associated with cerebral and cognitive alterations in humans. <i>Translational Psychiatry</i> , <b>2021</b> , 11, 182	8.6	6
84	Effects of copy number variations on brain structure and risk for psychiatric illness: Large-scale studies from the ENIGMA working groups on CNVs. <i>Human Brain Mapping</i> , <b>2021</b> ,	5.9	6
83	Within-sibship genome-wide association analyses decrease bias in estimates of direct genetic effects.. <i>Nature Genetics</i> , <b>2022</b> , 54, 581-592	36.3	6
82	Accelerated estimation and permutation inference for ACE modeling. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 3488-3507	5.9	5
81	Global and Regional Development of the Human Cerebral Cortex: Molecular Architecture and Occupational Aptitudes. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 4121-4139	5.1	5
80	Incidental findings on cerebral MRI in twins: the Older Australian Twins Study. <i>Brain Imaging and Behavior</i> , <b>2018</b> , 12, 860-869	4.1	5
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78	Investigating the genetics of hippocampal volume in older adults without dementia. <i>PLoS ONE</i> , <b>2015</b> , 10, e0116920	3.7	5
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75	Analyzing multi-fiber reconstruction in high angular resolution diffusion imaging using the tensor distribution function <b>2009</b> ,		5
74	White matter integrity measured by fractional anisotropy correlates poorly with actual individual fiber anisotropy <b>2009</b> ,		5
73	Association study of common mitochondrial variants and cognitive ability. <i>Behavior Genetics</i> , <b>2009</b> , 39, 504-12	3.2	5
72	SNP sets and reading ability: testing confirmation of a 10-SNP set in a population sample. <i>Twin Research and Human Genetics</i> , <b>2011</b> , 14, 228-32	2.2	5
71	CHANGES IN ANATOMICAL BRAIN CONNECTIVITY BETWEEN AGES 12 AND 30: A HARDI STUDY OF 467 ADOLESCENTS AND ADULTS <b>2012</b> , 904-908	1.5	5
70	THE MULTIVARIATE A/C/E MODEL AND THE GENETICS OF FIBER ARCHITECTURE <b>2009</b> , 2009, 125-128	1.5	5
69	Special Twin Environments, Genetic Influences and their Effects on the Handedness of Twins and their Siblings		5
68	Genetic Architecture of Subcortical Brain Structures in Over 40,000 Individuals Worldwide		5

67	Genetic clustering on the hippocampal surface for genome-wide association studies. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 690-7	0.9	5
66	Reproducibility in the absence of selective reporting: An illustration from large-scale brain asymmetry research. <i>Human Brain Mapping</i> , <b>2020</b> ,	5.9	5
65	ENIGMA-Sleep: Challenges, opportunities, and the road map. <i>Journal of Sleep Research</i> , <b>2021</b> , 30, e13347	5.8	5
64	<b>2016</b> ,		5
63	Brain Correlates of Suicide Attempt in 18,925 Participants Across 18 International Cohorts. <i>Biological Psychiatry</i> , <b>2021</b> , 90, 243-252	7.9	5
62	Multi-Site Meta-Analysis of Morphometry. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2019</b> , 16, 1508-1514	3	4
61	HERITABILITY OF BRAIN NETWORK TOPOLOGY IN 853 TWINS AND SIBLINGS <b>2015</b> , 2015, 449-453	1.5	4
60	Genetic and Environmental Influences on Language Ability in Older Adults: Findings from the Older Australian Twins Study. <i>Behavior Genetics</i> , <b>2018</b> , 48, 187-197	3.2	4
59	Facial Trustworthiness is Associated with Heritable Aspects of Face Shape. <i>Adaptive Human Behavior and Physiology</i> , <b>2017</b> , 3, 351-364	1.4	4
58	Genome-wide association reveals dopamine-related genetic effects on caudate volume. <i>Molecular Psychiatry</i> , <b>2011</b> , 16, 881-881	15.1	4
57	Scalar connectivity measures from fast-marching tractography reveal heritability of white matter architecture <b>2010</b> ,		4
56	A LAGRANGIAN FORMULATION FOR STATISTICAL FLUID REGISTRATION <b>2009</b> , 2009, 975-978	1.5	4
55	Robust Identification of Partial-Correlation Based Networks with Applications to Cortical Thickness Data <b>2012</b> , 2012, 1551-1554	1.5	4
54	Genetic influence on cognitive processes associated with distraction: An event-related potential study of the slow wave. <i>Australian Journal of Psychology</i> , <b>2004</b> , 56, 89-98	2.3	4
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52	Cortical Thickness Trajectories across the Lifespan: Data from 17,075 healthy individuals aged 3-90 years		4
51	The reliability and heritability of cortical folds and their genetic correlations across hemispheres		4
50	Large-scale collaboration in ENIGMA-EEG: A perspective on the meta-analytic approach to link neurological and psychiatric liability genes to electrophysiological brain activity. <i>Brain and Behavior</i> , <b>2021</b> , 11, e02188	3.4	4

49	Are there distinct cognitive types?. <i>Intelligence</i> , <b>2018</b> , 70, 7-11	3	3
48	Investigating the relationship between iron and depression. <i>Journal of Psychiatric Research</i> , <b>2017</b> , 94, 148-155	5.2	3
47	Genetic and environmental determinants of variation in the plasma lipidome of older Australian twins. <i>ELife</i> , <b>2020</b> , 9,	8.9	3
46	A unified framework for association and prediction from vertex-wise grey-matter structure. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 4062-4076	5.9	3
45	Are Sex Differences in Human Brain Structure Associated With Sex Differences in Behavior?. <i>Psychological Science</i> , <b>2021</b> , 32, 1183-1197	7.9	3
44	A Fast Method for Estimating Statistical Power of Multivariate GWAS in Real Case Scenarios: Examples from the Field of Imaging Genetics. <i>Behavior Genetics</i> , <b>2019</b> , 49, 112-121	3.2	3
43	Genetic Structure of IQ, Phonemic Decoding Skill, and Academic Achievement. <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 195	4.5	2
42	GENETIC ANALYSIS OF STRUCTURAL BRAIN CONNECTIVITY USING DICCCOL MODELS OF DIFFUSION MRI IN 522 TWINS <b>2015</b> , 2015, 1167-1171	1.5	2
41	Metabolomics reveals a link between homocysteine and lipid metabolism and leukocyte telomere length: the ENGAGE consortium. <i>Scientific Reports</i> , <b>2019</b> , 9, 11623	4.9	2
40	Assessing the accuracy of perceptions of intelligence based on heritable facial features. <i>Intelligence</i> , <b>2017</b> , 64, 1-8	3	2
39	P.2.b.017 Structural brain alterations in major depression: findings from the ENIGMA Major Depressive Disorder Working Group. <i>European Neuropsychopharmacology</i> , <b>2015</b> , 25, S394-S395	1.2	2
38	A new combined surface and volume registration <b>2010</b> ,		2
37	Response to Robinson. <i>Personality and Individual Differences</i> , <b>2008</b> , 44, 777-779	3.3	2
36	Effects of SCA1, MJD, and DPRLA triplet repeat polymorphisms on cognitive phenotypes in a normal population of adolescent twins. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , <b>2007</b> , 144B, 95-100	3.5	2
35	A comparison of cognitive impairments in dementia of the Alzheimer type and depression in the elderly. <i>Dementia and Geriatric Cognitive Disorders</i> , <b>1993</b> , 4, 294-300	2.6	2
34	Power Estimates for Voxel-Based Genetic Association Studies Using Diffusion Imaging. <i>Mathematics and Visualization</i> , <b>2014</b> , 229-238	0.6	2
33	Reliability of Structural Connectivity Examined with Four Different Diffusion Reconstruction Methods at Two Different Spatial and Angular Resolutions. <i>Mathematics and Visualization</i> , <b>2016</b> , 219-231 <sup>0.6</sup>		2
32	Assessing Variations in Areal Organization for the Intrinsic Brain: From Fingerprints to Reliability		2

31	Epigenome-Wide Association Study of Thyroid Function Traits Identifies Novel Associations of FT3 With KLF9 and DOT1L. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2021</b> , 106, e2191-e2202	5.6	2
30	MAPPING AGE EFFECTS ALONG FIBER TRACTS IN YOUNG ADULTS <b>2017</b> , 2017, 101-104	1.5	1
29	Identifying candidate gene effects by restricting search space in a multivariate genetic analysis of white matter microstructure <b>2014</b> ,		1
28	Genetic and environmental influences on analogical and categorical verbal and spatial reasoning in 12-year old twins. <i>Behavior Genetics</i> , <b>2012</b> , 42, 722-31	3.2	1
27	Genetic influences on sulcal patterns of the brain <b>2012</b> ,		1
26	A GENETIC ANALYSIS OF CORTICAL THICKNESS IN 372 TWINS <b>2010</b> , 2010, 101-104	1.5	1
25	Hierarchical clustering of the genetic connectivity matrix reveals the network topology of gene action on brain microstructure: An N=531 twin study <b>2011</b> ,		1
24	<b>2008</b> ,		1
23	Probabilistic multi-tensor estimation using the Tensor Distribution Function <b>2008</b> ,		1
22	Exploring the Etiology of the Association Between Birthweight and IQ in an Adolescent Twin Sample		1
21	16Up: Outline of a Study Investigating Wellbeing and Information and Communication Technology Use in Adolescent Twins. <i>Twin Research and Human Genetics</i> , <b>2020</b> , 23, 345-357	2.2	1
20	Genome-wide association analysis links multiple psychiatric liability genes to oscillatory brain activity		1
19	Planar cell polarity pathway and development of the human visual cortex		1
18	Genetics of anisotropy asymmetry: registration and sample size effects. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 12, 498-505	0.9	1
17	Multisite Metaanalysis of Image-Wide Genome-Wide Associations With Morphometry <b>2018</b> , 1-23		1
16	Genetic Connectivity Correlated Genetic Control of Cortical Thickness, Brain Volume, and White Matter <b>2018</b> , 25-43		1
15	Topographic Imaging of Event-related Potentials in Human Brain <b>1989</b> , 197-206		1
14	Genetic variants associated with longitudinal changes in brain structure across the lifespan.. <i>Nature Neuroscience</i> , <b>2022</b> , 25, 421-432	25.5	1



13	Genetic and Environmental Contributions to Weight, Height and BMI from Birth to 19 Years of Age <b>2013</b> , 23-52		0
12	Using Monozygotic Twins to Dissect Common Genes in Posttraumatic Stress Disorder and Migraine. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 678350	5.1	0
11	Response to Dr Fried & Dr Kievit, and Dr Malhi et al. <i>Molecular Psychiatry</i> , <b>2016</b> , 21, 726-8	15.1	0
10	Absolute and relative estimates of genetic and environmental variance in brain structure volumes. <i>Brain Structure and Function</i> , <b>2019</b> , 224, 2805-2821	4	
9	Cerebral Blood Flow in Community-Based Older Twins Is Moderately Heritable: An Arterial Spin Labeling Perfusion Imaging Study. <i>Frontiers in Aging Neuroscience</i> , <b>2019</b> , 11, 169	5.3	
8	P4-012: GENOME-WIDE SIGNIFICANT RESULTS IDENTIFIED FOR PLASMA APOLIPOPROTEIN H LEVELS <b>2014</b> , 10, P788-P788		
7	A COMPARISON OF NETWORK DEFINITIONS FOR DETECTING SEX DIFFERENCES IN BRAIN CONNECTIVITY USING SUPPORT VECTOR MACHINES <b>2017</b> , 2017, 961-965	1.5	
6	APPROXIMATING PRINCIPAL GENETIC COMPONENTS OF SUBCORTICAL SHAPE <b>2017</b> , 2017, 1226-1230	1.5	
5	STATISTICALLY ASSISTED FLUID IMAGE REGISTRATION ALGORITHM - SAFIRA <b>2010</b> , 2010, 364-367	1.5	
4	REDUCING STRUCTURAL VARIATION TO DETERMINE THE GENETICS OF WHITE MATTER INTEGRITY ACROSS HEMISPHERES - A DTI STUDY OF 100 TWINS <b>2009</b> , 2009, 819-822	1.5	
3	Mapping Genetic Influences on Brain Shape using Multi-Atlas Fluid Image Alignment <b>2007</b> , 2007, 482-489		
2	Genetic Correlation Between Cortical Gray Matter Thickness and White Matter Connections <b>2018</b> , 85-100		
1	ErbB Signaling Pathway Genes Are Differentially Expressed in Monozygotic Twins Discordant for Sports-Related Concussion. <i>Twin Research and Human Genetics</i> , 1-8	2.2	