Gail Davies

List of Publications by Year
in descending order

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76 papers	15,506 citations	57758 44 h-index	60623 81 g-index
86 all docs	86 docs citations	86 times ranked	21647 citing authors

#	Article	IF	Citations
1	Genome-wide association analyses identify 44 risk variants and refine the genetic architecture of major depression. Nature Genetics, 2018, 50, 668-681.	21.4	2,224
2	Genome-wide meta-analysis of depression identifies 102 independent variants and highlights the importance of the prefrontal brain regions. Nature Neuroscience, 2019, 22, 343-352.	14.8	1,589
3	Genome-wide association study identifies 74 loci associated with educational attainment. Nature, 2016, 533, 539-542.	27.8	1,204
4	Genetic analysis of over 1 million people identifies 535 new loci associated with blood pressure traits. Nature Genetics, 2018, 50, 1412-1425.	21.4	924
5	Genome-wide association meta-analysis in 269,867 individuals identifies new genetic and functional links to intelligence. Nature Genetics, 2018, 50, 912-919.	21.4	893
6	Genetic variants associated with subjective well-being, depressive symptoms, and neuroticism identified through genome-wide analyses. Nature Genetics, 2016, 48, 624-633.	21.4	870
7	Rare and low-frequency coding variants alter human adult height. Nature, 2017, 542, 186-190.	27.8	544
8	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. Nature Communications, 2018, 9, 2098.	12.8	484
9	Exome-wide association study of plasma lipids in >300,000 individuals. Nature Genetics, 2017, 49, 1758-1766.	21.4	470
10	Genome-wide association study of depression phenotypes in UK Biobank identifies variants in excitatory synaptic pathways. Nature Communications, 2018, 9, 1470.	12.8	415
11	GWAS on family history of Alzheimerâ€™s disease. Translational Psychiatry, 2018, 8, 99.	4.8	406
12	Ageing and brain white matter structure in 3,513 UK Biobank participants. Nature Communications, 2016, 7, 13629.	12.8	373
13	Association analysis in over 329,000 individuals identifies 116 independent variants influencing neuroticism. Nature Genetics, 2018, 50, 6-11.	21.4	327
14	Genome-Wide Association Study Meta-Analysis of the Alcohol Use Disorders Identification Test (AUDIT) in Two Population-Based Cohorts. American Journal of Psychiatry, 2019, 176, 107-118.	7.2	326
15	Trans-ancestry genome-wide association study identifies 12 genetic loci influencing blood pressure and implicates a role for DNA methylation. Nature Genetics, 2015, 47, 1282-1293.	21.4	294
16	Meta-analysis of Genome-wide Association Studies for Neuroticism, and the Polygenic Association With Major Depressive Disorder. JAMA Psychiatry, 2015, 72, 642.	11.0	289
17	Association of Low-Frequency and Rare Coding-Sequence Variants with Blood Lipids and Coronary Heart Disease in 56,000 Whites and Blacks. American Journal of Human Genetics, 2014, 94, 223-232.	6.2	287
18	Genome-wide analysis identifies 12 loci influencing human reproductive behavior. Nature Genetics, 2016, 48, 1462-1472.	21.4	284

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19	Common genetic variants associated with cognitive performance identified using the proxy-phenotype method. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13790-13794.	7.1	244
20	Meta-analysis of Genome-Wide Association Studies for Extraversion: Findings from the Genetics of Personality Consortium. Behavior Genetics, 2016, 46, 170-182.	2.1	178
21	Molecular Genetic Contributions to Social Deprivation and Household Income in UK Biobank. Current Biology, 2016, 26, 3083-3089.	3.9	177
22	Molecular genetic contributions to socioeconomic status and intelligence. Intelligence, 2014, 44, 26-32.	3.0	156
23	Genome-wide association analysis identifies six new loci associated with forced vital capacity. Nature Genetics, 2014, 46, 669-677.	21.4	131
24	Systems genetics identifies a convergent gene network for cognition and neurodevelopmental disease. Nature Neuroscience, 2016, 19, 223-232.	14.8	131
25	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.	11.0	123
26	Genetic variants linked to education predict longevity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13366-13371.	7.1	110
27	Genome-wide analysis identifies molecular systems and 149 genetic loci associated with income. Nature Communications, 2019, 10, 5741.	12.8	110
28	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. American Journal of Human Genetics, 2019, 104, 112-138.	6.2	106
29	Large-Scale Cognitive GWAS Meta-Analysis Reveals Tissue-Specific Neural Expression and Potential Nootropic Drug Targets. Cell Reports, 2017, 21, 2597-2613.	6.4	103
30	Genome-wide association studies identify 137 genetic loci for DNA methylation biomarkers of aging. Genome Biology, 2021, 22, 194.	8.8	90
31	Genetic prediction of male pattern baldness. PLoS Genetics, 2017, 13, e1006594.	3.5	89
32	Pleiotropic Meta-Analysis of Cognition, Education, and Schizophrenia Differentiates Roles of Early Neurodevelopmental and Adult Synaptic Pathways. American Journal of Human Genetics, 2019, 105, 334-350.	6.2	86
33	Genome-wide association study identifies 48 common genetic variants associated with handedness. Nature Human Behaviour, 2021, 5, 59-70.	12.0	79
34	Genetic variants associated with longitudinal changes in brain structure across the lifespan. Nature Neuroscience, 2022, 25, 421-432.	14.8	75
35	Age-Dependent Pleiotropy Between General Cognitive Function and Major Psychiatric Disorders. Biological Psychiatry, 2016, 80, 266-273.	1.3	71
36	Whole genome association scan for genetic polymorphisms influencing information processing speed. Biological Psychology, 2011, 86, 193-202.	2.2	70

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37	Genome-wide Studies of Verbal Declarative Memory in Nondemented Older People: The Cohorts for Heart and Aging Research in Genomic Epidemiology Consortium. Biological Psychiatry, 2015, 77, 749-763.	1.3	67
38	Genome-wide meta-analyses of stratified depression in Generation Scotland and UK Biobank. Translational Psychiatry, 2018, 8, 9.	4.8	66
39	Modulation of Genetic Associations with Serum Urate Levels by Body-Mass-Index in Humans. PLoS ONE, 2015, 10, e0119752.	2.5	64
40	Polygenic Risk for Alzheimer's Disease is not Associated with Cognitive Ability or Cognitive Aging in Non-Demented Older People. Journal of Alzheimer's Disease, 2014, 39, 565-574.	2.6	63
41	Impact of Polygenic Risk for Schizophrenia on Cortical Structure in UK Biobank. Biological Psychiatry, 2019, 86, 536-544.	1.3	62
42	Genetic contributions to two special factors of neuroticism are associated with affluence, higher intelligence, better health, and longer life. Molecular Psychiatry, 2020, 25, 3034-3052.	7.9	60
43	Genetic and Environmental Risk for Chronic Pain and the Contribution of Risk Variants for Major Depressive Disorder: A Family-Based Mixed-Model Analysis. PLoS Medicine, 2016, 13, e1002090.	8.4	60
44	Large-Scale Genome-Wide Association Studies and Meta-Analyses of Longitudinal Change in Adult Lung Function. PLoS ONE, 2014, 9, e100776.	2.5	52
45	<scp>GWAS</scp> analysis of handgrip and lower body strength in older adults in the <scp>CHARGE</scp> consortium. Aging Cell, 2016, 15, 792-800.	6.7	51
46	Alzheimer disease genetic risk factorAPOEe4 and cognitive abilities in 111,739 UK Biobank participants. Age and Ageing, 2016, 45, 511-517.	1.6	45
47	Genome-wide association studies identify genetic loci for low von Willebrand factor levels. European Journal of Human Genetics, 2016, 24, 1035-1040.	2.8	45
48	Molecular genetic contributions to self-rated health. International Journal of Epidemiology, 2017, 46, dyw219.	1.9	39
49	Polygenic predictors of age-related decline in cognitive ability. Molecular Psychiatry, 2020, 25, 2584-2598.	7.9	38
50	Genome-wide analysis of gene dosage in 24,092 individuals estimates that 10,000 genes modulate cognitive ability. Molecular Psychiatry, 2021, 26, 2663-2676.	7.9	33
51	Sleep and cognitive aging in the eighth decade of life. Sleep, 2019, 42, .	1.1	32
52	Predicting incident dementia 3â€8 years after brief cognitive tests in the UK Biobank prospective study of 500,000 people. Alzheimer's and Dementia, 2019, 15, 1546-1557.	0.8	28
53	Genetic stratification of depression by neuroticism: revisiting a diagnostic tradition. Psychological Medicine, 2020, 50, 2526-2535.	4.5	27
54	Independent evidence for an association between general cognitive ability and a genetic locus for educational attainment. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2015, 168, 363-373.	1.7	25

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55	Genetic Basis of a Cognitive Complexity Metric. PLoS ONE, 2015, 10, e0123886.	2.5	22
56	Identification of a novel locus on chromosome 2q13, which predisposes to clinical vertebral fractures independently of bone density. Annals of the Rheumatic Diseases, 2018, 77, 378-385.	0.9	21
57	The complex genetics of gait speed: genome-wide meta-analysis approach. Aging, 2017, 9, 209-246.	3.1	21
58	DNA sequence-level analyses reveal potential phenotypic modifiers in a large family with psychiatric disorders. Molecular Psychiatry, 2018, 23, 2254-2265.	7.9	19
59	Meta-analysis of exome array data identifies six novel genetic loci for lung function. Wellcome Open Research, 2018, 3, 4.	1.8	19
60	The influence of X chromosome variants on trait neuroticism. Molecular Psychiatry, 2021, 26, 483-491.	7.9	17
61	Personality Polygenes, Positive Affect, and Life Satisfaction. Twin Research and Human Genetics, 2016, 19, 407-417.	0.6	16
62	Polygenic risk for coronary artery disease is associated with cognitive ability in older adults. International Journal of Epidemiology, 2016, 45, 433-440.	1.9	16
63	Addendum: Genome-wide association study of depression phenotypes in UK Biobank identifies variants in excitatory synaptic pathways. Nature Communications, 2018, 9, 3578.	12.8	16
64	Single Nucleotide Polymorphisms Associated with Reading Ability Show Connection to Socio-Economic Outcomes. Behavior Genetics, 2017, 47, 469-479.	2.1	13
65	Genetic diversity is a predictor of mortality in humans. BMC Genetics, 2014, 15, 159.	2.7	12
66	Identifying nootropic drug targets via large-scale cognitive GWAS and transcriptomics. Neuropsychopharmacology, 2021, 46, 1788-1801.	5.4	12
67	Genetic and shared couple environmental contributions to smoking and alcohol use in the UK population. Molecular Psychiatry, 2021, 26, 4344-4354.	7.9	10
68	Enrichment of genetic markers of recent human evolution in educational and cognitive traits. Scientific Reports, 2018, 8, 12585.	3.3	9
69	No Evidence for Genome-Wide Interactions on Plasma Fibrinogen by Smoking, Alcohol Consumption and Body Mass Index: Results from Meta-Analyses of 80,607 Subjects. PLoS ONE, 2014, 9, e111156.	2.5	8
70	Fine mapping the CETP region reveals a common intronic insertion associated to HDL-C. Npj Aging and Mechanisms of Disease, 2015, 1, 15011.	4.5	8
71	Complex Variation in Measures of General Intelligence and Cognitive Change. PLoS ONE, 2013, 8, e81189.	2.5	7
72	Sex-specific moderation by lifestyle and psychosocial factors on the genetic contributions to adiposity in 112,151 individuals from UK Biobank. Scientific Reports, 2019, 9, 363.	3.3	6

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73	Functional Gene Group Analysis Indicates No Role for Heterotrimeric G Proteins in Cognitive Ability. PLoS ONE, 2014, 9, e91690.	2.5	3
74	Association of low-frequency and rare coding variants with information processing speed. Translational Psychiatry, 2021, 11, 613.	4.8	2
75	Markers of kidney function, genetic variation related to cognitive function, and cognitive performance in the UK Biobank. BMC Nephrology, 2022, 23, 159.	1.8	2
76	Genetic Contributions to Health Literacy. Twin Research and Human Genetics, 2019, 22, 131-139.	0.6	0