

Common SNPs explain a large proportion of the heritability

Nature Genetics

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Determining Genetic Component of a Disease. , 0, , 91-115.		11
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3	Genomic selection and complex trait prediction using a fast EM algorithm applied to genome-wide markers. BMC Bioinformatics, 2010, 11, 529.	2.6	43
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5	Hundreds of variants clustered in genomic loci and biological pathways affect human height. Nature, 2010, 467, 832-838.	27.8	1,789
6	Investigation of Mendelian forms of obesity holds out the prospect of personalized medicine. Annals of the New York Academy of Sciences, 2010, 1214, 180-189.	3.8	43
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8	Genetics: Pet project. Nature, 2010, 466, 1036-1038.	27.8	13
9	Genome-wide meta-analysis increases to 71 the number of confirmed Crohn's disease susceptibility loci. Nature Genetics, 2010, 42, 1118-1125.	21.4	2,284
10	Hints of hidden heritability in GWAS. Nature Genetics, 2010, 42, 558-560.	21.4	258
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12	Reconciling the analysis of IBD and IBS in complex trait studies. Nature Reviews Genetics, 2010, 11, 800-805.	16.3	295
13	Ten years of genetics and genomics: what have we achieved and where are we heading?. Nature Reviews Genetics, 2010, 11, 723-733.	16.3	65
14	Phenomics: the next challenge. Nature Reviews Genetics, 2010, 11, 855-866.	16.3	1,070
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16	Genetic Evidence Implicates the Immune System and Cholesterol Metabolism in the Aetiology of Alzheimer's Disease. PLoS ONE, 2010, 5, e13950.	2.5	347
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18	Current Research on the Genetic Contributors to Schizophrenia. Current Directions in Psychological Science, 2010, 19, 214-219.	5.3	7

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20	Statistical analysis of genetic interactions. <i>Genetical Research</i> , 2010, 92, 443-459.	0.9	25
21	Genetic Association in Multivariate Phenotypic Data: Power in Five Models. <i>Twin Research and Human Genetics</i> , 2010, 13, 525-543.	0.6	23
22	A Genome-Wide Association Study of Self-Rated Health. <i>Twin Research and Human Genetics</i> , 2010, 13, 398-403.	0.6	14
23	Genomic selection in livestock populations. <i>Genetical Research</i> , 2010, 92, 413-421.	0.9	90
24	The Serotonin Transporter Gene Length Polymorphism (5-HTTLPR) and Life Events: No Evidence for an Interaction Effect on Neuroticism and Anxious Depressive Symptoms. <i>Twin Research and Human Genetics</i> , 2010, 13, 544-549.	0.6	22
25	Insights from GWAS into the quantitative genetics of transcription in humans. <i>Genetical Research</i> , 2010, 92, 361-369.	0.9	10
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1822	Using whole genome scores to compare three clinical phenotyping methods in complex diseases. Scientific Reports, 2018, 8, 11360.	3.3	9
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1824	Genome-wide detection of selection signatures in Chinese indigenous Laiwu pigs revealed candidate genes regulating fat deposition in muscle. BMC Genetics, 2018, 19, 31.	2.7	40
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1828	Using Multi-Scale Genetic, Neuroimaging and Clinical Data for Predicting Alzheimer's Disease and Reconstruction of Relevant Biological Mechanisms. <i>Scientific Reports</i> , 2018, 8, 11173.	3.3	59
1829	Genomic Prediction Using Individual-Level Data and Summary Statistics from Multiple Populations. <i>Genetics</i> , 2018, 210, 53-69.	2.9	15
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1835	Detection of Significant Association Between Variants in Cannabinoid Receptor 1 Gene ( <i>CNR1</i> ) and Personality in African-American Population. <i>Frontiers in Genetics</i> , 2018, 9, 199.	2.3	13
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1858	Estimation of complex effect-size distributions using summary-level statistics from genome-wide association studies across 32 complex traits. Nature Genetics, 2018, 50, 1318-1326.	21.4	225
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1866	Exploitation of data from breeding programs supports rapid implementation of genomic selection for key agronomic traits in perennial ryegrass. Theoretical and Applied Genetics, 2018, 131, 1891-1902.	3.6	49
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1869	Genetic studies of gestational duration and preterm birth. Best Practice and Research in Clinical Obstetrics and Gynaecology, 2018, 52, 33-47.	2.8	41
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1871	Population genetics and GWAS: A primer. PLoS Biology, 2018, 16, e2005485.	5.6	36
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1873	The genetic architecture of type 1 diabetes mellitus. Molecular and Cellular Endocrinology, 2018, 477, 70-80.	3.2	51
1874	GWASinlps: non-local prior based iterative SNP selection tool for genome-wide association studies. Bioinformatics, 2019, 35, 1-11.	4.1	26
1875	What genome-wide association studies reveal about the association between intelligence and physical health, illness, and mortality. Current Opinion in Psychology, 2019, 27, 6-12.	4.9	45
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1883	Genome-wide association studies of severe <i>P. falciparum</i> malaria susceptibility: progress, pitfalls and prospects. BMC Medical Genomics, 2019, 12, 120.	1.5	28
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1892	Reconciling S-LDSC and LDAK functional enrichment estimates. Nature Genetics, 2019, 51, 1202-1204.	21.4	77
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1894	A Guide for Using Deep Learning for Complex Trait Genomic Prediction. Genes, 2019, 10, 553.	2.4	116
1895	A Random Forests Framework for Modeling Haplotypes as Mosaics of Reference Haplotypes. Frontiers in Genetics, 2019, 10, 562.	2.3	4
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1899	Accurate estimation of SNP-heritability from biobank-scale data irrespective of genetic architecture. Nature Genetics, 2019, 51, 1244-1251.	21.4	69
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1906	Association Mapping and Disease: Evolutionary Perspectives. <i>Methods in Molecular Biology</i> , 2019, 1910, 533-553.	0.9	0
1907	International meta-analysis of PTSD genome-wide association studies identifies sex- and ancestry-specific genetic risk loci. <i>Nature Communications</i> , 2019, 10, 4558.	12.8	363
1908	Genomic prediction of serum biomarkers of health in early lactation. <i>Journal of Dairy Science</i> , 2019, 102, 11142-11152.	3.4	13
1909	Genetic interaction networks mediate individual statin drug response in <i>Saccharomyces cerevisiae</i> . <i>Npj Systems Biology and Applications</i> , 2019, 5, 35.	3.0	11
1910	Autosomal and X-linked additive genetic effects on body weight, body measurements and efficiency-related traits in sheep. <i>Small Ruminant Research</i> , 2019, 180, 21-26.	1.2	7
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1916	A mating advice system in dairy cattle incorporating genomic information. <i>Journal of Dairy Science</i> , 2019, 102, 8210-8220.	3.4	21
1917	The Pathogenesis of Endometriosis: Molecular and Cell Biology Insights. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5615.	4.1	270
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1928	Genome-wide association meta-analyses and fine-mapping elucidate pathways influencing albuminuria. Nature Communications, 2019, 10, 4130.	12.8	133
1929	Natural variation in Arabidopsis shoot branching plasticity in response to nitrate supply affects fitness. PLoS Genetics, 2019, 15, e1008366.	3.5	29
1930	Evaluation of the Genetic Variance of Alzheimer's Disease Explained by the Disease-Associated Chromosomal Regions. Journal of Alzheimer's Disease, 2019, 70, 907-915.	2.6	3
1931	Quantitative analyses of adiposity dynamics in zebrafish. Adipocyte, 2019, 8, 330-338.	2.8	5
1932	Classifying the fertility of dairy cows using milk mid-infrared spectroscopy. Journal of Dairy Science, 2019, 102, 10460-10470.	3.4	24
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1934	Atrial Fibrillation Genetics Update: Toward Clinical Implementation. Frontiers in Cardiovascular Medicine, 2019, 6, 127.	2.4	26
1935	Predicting women's height from their socioeconomic status: A machine learning approach. Social Science and Medicine, 2019, 238, 112486.	3.8	19
1936	Multiple sclerosis genomic map implicates peripheral immune cells and microglia in susceptibility. Science, 2019, 365, .	12.6	710



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1938	Evaluation of Genomic Prediction for Pasma Resistance in Flax. <i>International Journal of Molecular Sciences</i> , 2019, 20, 359.	4.1	45
1939	Assessment of breeding programs sustainability: application of phenotypic and genomic indicators to a North European grain maize program. <i>Theoretical and Applied Genetics</i> , 2019, 132, 1321-1334.	3.6	26
1940	Shared heritability and functional enrichment across six solid cancers. <i>Nature Communications</i> , 2019, 10, 431.	12.8	88
1941	Prioritizing Crohn's disease genes by integrating association signals with gene expression implicates monocyte subsets. <i>Genes and Immunity</i> , 2019, 20, 577-588.	4.1	16
1942	A genome-wide association study of shared risk across psychiatric disorders implicates gene regulation during fetal neurodevelopment. <i>Nature Neuroscience</i> , 2019, 22, 353-361.	14.8	173
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1944	Multiple QTL underlie milk phenotypes at the CSF2RB locus. <i>Genetics Selection Evolution</i> , 2019, 51, 3.	3.0	18
1945	Co-inheritance of sea age at maturity and iteroparity in the Atlantic salmon <i>vgl3</i> genomic region. <i>Journal of Evolutionary Biology</i> , 2019, 32, 343-355.	1.7	20
1946	Population structure of human gut bacteria in a diverse cohort from rural Tanzania and Botswana. <i>Genome Biology</i> , 2019, 20, 16.	8.8	66
1947	Systematic identification and characterization of candidate genes for the regulation of plant height in maize. <i>Euphytica</i> , 2019, 215, 1.	1.2	4
1948	Disentangling polygenic associations between attention-deficit/hyperactivity disorder, educational attainment, literacy and language. <i>Translational Psychiatry</i> , 2019, 9, 35.	4.8	25
1949	SNP variable selection by generalized graph domination. <i>PLoS ONE</i> , 2019, 14, e0203242.	2.5	7
1950	Heritability of fetal hemoglobin, white cell count, and other clinical traits from a sickle cell disease family cohort. <i>American Journal of Hematology</i> , 2019, 94, 522-527.	4.1	6
1951	Phenotype and Environment Matter: Discovering the Genetic and Epigenetic Architecture of Alcohol Use Disorders. <i>American Journal of Psychiatry</i> , 2019, 176, 92-95.	7.2	3
1952	Quantifying between-cohort and between-sex genetic heterogeneity in major depressive disorder. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2019, 180, 439-447.	1.7	35
1953	The Effects of Epistasis and Pleiotropy on Genome-Wide Scans for Adaptive Outlier Loci. <i>Journal of Heredity</i> , 2019, 110, 494-513.	2.4	3
1954	A genome-wide association study reveals specific transferases as candidate loci for bovine milk oligosaccharides synthesis. <i>BMC Genomics</i> , 2019, 20, 404.	2.8	14

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1957	Validation of Genome-Wide Polygenic Risk Scores for Coronary Artery Disease in French Canadians. <i>Circulation Genomic and Precision Medicine</i> , 2019, 12, e002481.	3.6	59
1958	The etiology of DSM-5 alcohol use disorder: Evidence of shared and non-shared additive genetic effects. <i>Drug and Alcohol Dependence</i> , 2019, 201, 147-154.	3.2	7
1959	The Genome-Wide Study of Human Social Behavior and Its Application in Sociology. <i>Frontiers in Sociology</i> , 2019, 4, 53.	2.0	2
1960	Heritability analysis of nontraditional glycemic biomarkers in the Atherosclerosis Risk in Communities Study. <i>Genetic Epidemiology</i> , 2019, 43, 776-785.	1.3	8
1961	A comprehensive overview of the developmental basis and adaptive significance of a textbook polymorphism: head asymmetry in the cichlid fish <i>Perissodus microlepis</i> . <i>Hydrobiologia</i> , 2019, 832, 65-84.	2.0	13
1962	Use of a Bayesian model including QTL markers increases prediction reliability when test animals are distant from the reference population. <i>Journal of Dairy Science</i> , 2019, 102, 7237-7247.	3.4	13
1963	Germline variants and somatic mutation signatures of breast cancer across populations of African and European ancestry in the US and Nigeria. <i>International Journal of Cancer</i> , 2019, 145, 3321-3333.	5.1	16
1964	Gene and environment interplay in cognition: Evidence from twin and molecular studies, future directions and suggestions for effective candidate gene x environment (cGxE) research. <i>Multiple Sclerosis and Related Disorders</i> , 2019, 33, 121-130.	2.0	3
1965	Comprehensive analysis of coding variants highlights genetic complexity in developmental and epileptic encephalopathy. <i>Nature Communications</i> , 2019, 10, 2506.	12.8	46
1966	Association of taller stature with lower cardiovascular disease mortality in Asian people: a systematic review. <i>Journal of Physiological Anthropology</i> , 2019, 38, 6.	2.6	5
1967	Contribution of Gene Regulatory Networks to Heritability of Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2019, 73, 2946-2957.	2.8	45
1968	Genetic correlations of polygenic disease traits: from theory to practice. <i>Nature Reviews Genetics</i> , 2019, 20, 567-581.	16.3	236
1969	Gene Regulatory Networks to Explain Coronary Artery Disease Heritability. <i>Journal of the American College of Cardiology</i> , 2019, 73, 2958-2960.	2.8	0
1970	A local score approach improves GWAS resolution and detects minor QTL: application to <i>Medicago truncatula</i> quantitative disease resistance to multiple <i>Aphanomyces euteiches</i> isolates. <i>Heredity</i> , 2019, 123, 517-531.	2.6	36
1971	OSCA: a tool for omic-data-based complex trait analysis. <i>Genome Biology</i> , 2019, 20, 107.	8.8	105
1972	Inferring the Nature of Missing Heritability in Human Traits Using Data from the GWAS Catalog. <i>Genetics</i> , 2019, 212, 891-904.	2.9	34
1973	The Fallacy of Equating the Hereditarian Hypothesis with Racism. <i>Psych</i> , 2019, 1, 262-278.	1.6	7

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1974	Estimation of metabolic syndrome heritability in three large populations including full pedigree and genomic information. <i>Human Genetics</i> , 2019, 138, 739-748.	3.8	4
1975	Genome Wide Association Study and Next Generation Sequencing: A Glimmer of Light Toward New Possible Horizons in Frontotemporal Dementia Research. <i>Frontiers in Neuroscience</i> , 2019, 13, 506.	2.8	23
1976	Systemic Sclerosis. <i>Rare Diseases of the Immune System</i> , 2019, , 19-35.	0.1	0
1978	Genome-wide association study reveals candidate genes associated with body measurement traits in Chinese Wagyu beef cattle. <i>Animal Genetics</i> , 2019, 50, 386-390.	1.7	32
1979	What Is the Heritability of Periodontitis? A Systematic Review. <i>Journal of Dental Research</i> , 2019, 98, 632-641.	5.2	63
1980	Accelerated estimation and permutation inference for ACE modeling. <i>Human Brain Mapping</i> , 2019, 40, 3488-3507.	3.6	19
1981	Genomic selection on breeding time in a wild bird population. <i>Evolution Letters</i> , 2019, 3, 142-151.	3.3	40
1982	Benefits and limitations of genome-wide association studies. <i>Nature Reviews Genetics</i> , 2019, 20, 467-484.	16.3	1,226
1983	Genomic evidence of genetic variation with pleiotropic effects on caterpillar fitness and plant traits in a model legume. <i>Molecular Ecology</i> , 2019, 28, 2967-2985.	3.9	19
1984	Genetics of Vascular Diseases. <i>Learning Materials in Biosciences</i> , 2019, , 245-269.	0.4	0
1985	RAD-seq for estimating genomic relatedness matrix-based heritability in the wild: A case study in roe deer. <i>Molecular Ecology Resources</i> , 2019, 19, 1205-1217.	4.8	18
1986	Genetic and phenotypic analyses indicate that resistance to flooding stress is uncoupled from performance in cultivated sunflower. <i>New Phytologist</i> , 2019, 223, 1657-1670.	7.3	14
1987	Translational Potential of Neuroimaging Genomic Analyses to Diagnosis and Treatment in Mental Disorders. <i>Proceedings of the IEEE</i> , 2019, 107, 912-927.	21.3	4
1988	Reliable heritability estimation using sparse regularization in ultrahigh dimensional genome-wide association studies. <i>BMC Bioinformatics</i> , 2019, 20, 219.	2.6	7
1989	Analysis of Heritability and Genetic Architecture of Pancreatic Cancer: A PanC4 Study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019, 28, 1238-1245.	2.5	48
1990	Polygenic adaptation on height is overestimated due to uncorrected stratification in genome-wide association studies. <i>ELife</i> , 2019, 8, .	6.0	276
1991	Polygenic prediction via Bayesian regression and continuous shrinkage priors. <i>Nature Communications</i> , 2019, 10, 1776.	12.8	832
1992	Correlations between relatives: From Mendelian theory to complete genome sequence. <i>Genetic Epidemiology</i> , 2019, 43, 577-591.	1.3	3

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1993	Genetic architecture of socioeconomic outcomes: Educational attainment, occupational status, and wealth. <i>Social Science Research</i> , 2019, 82, 137-147.	2.0	8
1994	Trans Effects on Gene Expression Can Drive Omnigenic Inheritance. <i>Cell</i> , 2019, 177, 1022-1034.e6.	28.9	385
1995	Reconstructing recent population history while mapping rare variants using haplotypes. <i>Scientific Reports</i> , 2019, 9, 5849.	3.3	4
1996	The evolution of microendemism in a reef fish ( <i>Hypoplectrus maya</i> ). <i>Molecular Ecology</i> , 2019, 28, 2872-2885.	3.9	10
1997	Genome-wide sexually antagonistic variants reveal long-standing constraints on sexual dimorphism in fruit flies. <i>PLoS Biology</i> , 2019, 17, e3000244.	5.6	82
1998	The genetics of depression: successful genome-wide association studies introduce new challenges. <i>Translational Psychiatry</i> , 2019, 9, 114.	4.8	75
1999	Genetics of Axial Spondyloarthritis. , 2019, , 67-85.		0
2001	Efficient Implementation of Penalized Regression for Genetic Risk Prediction. <i>Genetics</i> , 2019, 212, 65-74.	2.9	51
2002	Genomic Medicine—Progress, Pitfalls, and Promise. <i>Cell</i> , 2019, 177, 45-57.	28.9	143
2003	Genome-wide association study of blood lipids in Indians confirms universality of established variants. <i>Journal of Human Genetics</i> , 2019, 64, 573-587.	2.3	22
2004	SummaryAUC: a tool for evaluating the performance of polygenic risk prediction models in validation datasets with only summary level statistics. <i>Bioinformatics</i> , 2019, 35, 4038-4044.	4.1	15
2005	Idiopathic short stature and growth hormone sensitivity in prepubertal children. <i>Clinical Endocrinology</i> , 2019, 91, 110-117.	2.4	6
2006	Landscape genomics to the rescue of a tropical bee threatened by habitat loss and climate change. <i>Evolutionary Applications</i> , 2019, 12, 1164-1177.	3.1	41
2008	Restriction-site associated DNA sequencing supports a sister group relationship of <i>Nigritella</i> and <i>Gymnadenia</i> (Orchidaceae). <i>Molecular Phylogenetics and Evolution</i> , 2019, 136, 21-28.	2.7	24
2009	Fast Model-Fitting of Bayesian Variable Selection Regression Using the Iterative Complex Factorization Algorithm. <i>Bayesian Analysis</i> , 2019, 14, 573-594.	3.0	5
2010	Identification of genetic heterogeneity of Alzheimer's disease across age. <i>Neurobiology of Aging</i> , 2019, 84, 243.e1-243.e9.	3.1	34
2011	Dissection of Complex, Fitness-Related Traits in Multiple <i>Drosophila</i> Mapping Populations Offers Insight into the Genetic Control of Stress Resistance. <i>Genetics</i> , 2019, 211, 1449-1467.	2.9	22
2012	Integrating Gene Expression Data Into Genomic Prediction. <i>Frontiers in Genetics</i> , 2019, 10, 126.	2.3	57

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2015	Reverse GWAS: Using genetics to identify and model phenotypic subtypes. PLoS Genetics, 2019, 15, e1008009.	3.5	34
2016	Transcriptome profiling of four candidate milk genes in milk and tissue samples of temperate and tropical cattle. Journal of Genetics, 2019, 98, 1.	0.7	3
2017	Computational Approaches for Identification of Pleiotropic Biomarker Profiles in Psychiatry. Advances in Experimental Medicine and Biology, 2019, 1134, 111-128.	1.6	0
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2019	Genome-wide association study reveals sex-specific genetic architecture of facial attractiveness. PLoS Genetics, 2019, 15, e1007973.	3.5	5
2020	Predicting male fertility in dairy cattle using markers with large effect and functional annotation data. BMC Genomics, 2019, 20, 258.	2.8	44
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2022	Genetic redundancy fuels polygenic adaptation in Drosophila. PLoS Biology, 2019, 17, e3000128.	5.6	212
2023	Genome wide association study of body weight and feed efficiency traits in a commercial broiler chicken population, a re-visitation. Scientific Reports, 2019, 9, 922.	3.3	28
2024	Genome-wide associations and detection of potential candidate genes for direct genetic and maternal genetic effects influencing dairy cattle body weight at different ages. Genetics Selection Evolution, 2019, 51, 4.	3.0	33
2025	Exposing the Causal Effect of Body Mass Index on the Risk of Type 2 Diabetes Mellitus: A Mendelian Randomization Study. Frontiers in Genetics, 2019, 10, 94.	2.3	55
2026	Haplotype and Haplotype-Environment Interaction Analysis Revealed Roles of SPRY2 for NSCL/P among Chinese Populations. International Journal of Environmental Research and Public Health, 2019, 16, 557.	2.6	4
2027	Genomewide association study of C-peptide surfaces key regulatory genes in Indians. Journal of Genetics, 2019, 98, 1.	0.7	7
2028	Efficient cross-trait penalized regression increases prediction accuracy in large cohorts using secondary phenotypes. Nature Communications, 2019, 10, 569.	12.8	50
2029	Design of training populations for selective phenotyping in genomic prediction. Scientific Reports, 2019, 9, 1446.	3.3	70
2030	Identification of common genetic risk variants for autism spectrum disorder. Nature Genetics, 2019, 51, 431-444.	21.4	1,538

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2032	Genomic Predictors of Asthma Phenotypes and Treatment Response. Frontiers in Pediatrics, 2019, 7, 6.	1.9	61
2033	Quantification of frequency-dependent genetic architectures in 25 UK Biobank traits reveals action of negative selection. Nature Communications, 2019, 10, 790.	12.8	98
2034	Genomic Selection with Allele Dosage in <i>Panicum maximum</i> Jacq.. G3: Genes, Genomes, Genetics, 2019, 9, 2463-2475.	1.8	57
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2036	Best Prediction of the Additive Genomic Variance in Random-Effects Models. Genetics, 2019, 213, 379-394.	2.9	8
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2038	Improved polygenic prediction by Bayesian multiple regression on summary statistics. Nature Communications, 2019, 10, 5086.	12.8	291
2039	Optimal sequencing depth design for whole genome re-sequencing in pigs. BMC Bioinformatics, 2019, 20, 556.	2.6	28
2040	Anti-M $\beta$ 2-Lactoglobulin hormone in grazing dairy cows: Identification of factors affecting plasma concentration, relationship with phenotypic fertility, and genome-wide associations. Journal of Dairy Science, 2019, 102, 11622-11635.	3.4	19
2041	Habitat Loss Does Not Always Entail Negative Genetic Consequences. Frontiers in Genetics, 2019, 10, 1011.	2.3	32
2042	A Weighted Genomic Relationship Matrix Based on Fixation Index (FST) Prioritized SNPs for Genomic Selection. Genes, 2019, 10, 922.	2.4	6
2043	Molecular characterization, computational analysis and expression profiling of <i>Dmrt1</i> gene in Indian major carp, <i>Labeo rohita</i> (Hamilton 1822). Animal Biotechnology, 2021, 32, 413-426.	1.5	17
2044	Genetic Bases of Intelligence. , 2019, , 101-123.		2
2045	Population Structure and Genetic Diversity of Sheep Breeds in the Kyrgyzstan. Frontiers in Genetics, 2019, 10, 1311.	2.3	34
2046	Leveraging Breeding Values Obtained from Random Regression Models for Genetic Inference of Longitudinal Traits. Plant Genome, 2019, 12, 180075.	2.8	37
2047	Genome-Wide identification of doublesex and Mab-3-Related transcription factor (DMRT) genes in Nile tilapia ( <i>Oreochromis niloticus</i> ). Biotechnology Reports (Amsterdam, Netherlands), 2019, 24, e00398.	4.4	15
2048	Genome-Wide Association Study of Meat Quality Traits in Hanwoo Beef Cattle Using Imputed Whole-Genome Sequence Data. Frontiers in Genetics, 2019, 10, 1235.	2.3	30

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2049	Genomic prediction based on selected variants from imputed whole-genome sequence data in Australian sheep populations. <i>Genetics Selection Evolution</i> , 2019, 51, 72.	3.0	54
2050	Reading and writing: the evolution of molecular pain genetics. <i>Pain</i> , 2019, 160, 2177-2185.	4.2	2
2051	A Prospective Analysis of Genetic Variants Associated with Human Lifespan. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2863-2878.	1.8	40
2052	Genomic Prediction and Association Analysis with Models Including Dominance Effects for Important Traits in Chinese Simmental Beef Cattle. <i>Animals</i> , 2019, 9, 1055.	2.3	11
2053	Insight into the genetic architecture of back pain and its risk factors from a study of 509,000 individuals. <i>Pain</i> , 2019, 160, 1361-1373.	4.2	74
2054	Identification of epistasis loci underlying rice flowering time by controlling population stratification and polygenic effect. <i>DNA Research</i> , 2019, 26, 119-130.	3.4	21
2055	Leveraging Polygenic Functional Enrichment to Improve GWAS Power. <i>American Journal of Human Genetics</i> , 2019, 104, 65-75.	6.2	715
2056	Predicting Polygenic Risk of Psychiatric Disorders. <i>Biological Psychiatry</i> , 2019, 86, 97-109.	1.3	252
2057	A proposed conceptualization of talent in sport: The first step in a long and winding road. <i>Psychology of Sport and Exercise</i> , 2019, 43, 27-33.	2.1	55
2058	Current perspectives in assessing humoral immunity after measles vaccination. <i>Expert Review of Vaccines</i> , 2019, 18, 75-87.	4.4	39
2059	Genetic correlation of fatty acid composition with growth, carcass, fat deposition and meat quality traits based on GWAS data in six pig populations. <i>Meat Science</i> , 2019, 150, 47-55.	5.5	85
2060	Industrial Enzymes as Feed Supplements—Advantages to Nutrition and Global Environment. <i>Energy, Environment, and Sustainability</i> , 2019, , 293-304.	1.0	9
2061	Shades of complexity: New perspectives on the evolution and genetic architecture of human skin. <i>American Journal of Physical Anthropology</i> , 2019, 168, 4-26.	2.1	45
2062	Semiautomated Feature Extraction from RGB Images for Sorghum Panicle Architecture GWAS. <i>Plant Physiology</i> , 2019, 179, 24-37.	4.8	53
2063	Unravelling the genetic loci for growth and carcass traits in Chinese Bamaxiang pigs based on a 1.4 million SNP array. <i>Journal of Animal Breeding and Genetics</i> , 2019, 136, 3-14.	2.0	46
2064	Genotype and Phenotype. , 2019, , 237-279.		0
2065	Comparison of diversity parameters from SNP, microsatellites and pedigree records in the Lidia cattle breed. <i>Livestock Science</i> , 2019, 219, 80-85.	1.6	14
2066	Genomic updates in understanding PTSD. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 90, 197-203.	4.8	23



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2068	Draft Genome Assembly and Population Genetics of an Agricultural Pollinator, the Solitary Alkali Bee ( <i>Halictidae</i> : <i>Nomia melanderi</i> ). <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 625-634.	1.8	19
2069	Characterizing both bacteria and fungi improves understanding of the Arabidopsis root microbiome. <i>Scientific Reports</i> , 2019, 9, 24.	3.3	135
2070	Repeated Evolution Versus Common Ancestry: Sex Chromosome Evolution in the Haplochromine Cichlid <i>Pseudocrenilabrus philander</i> . <i>Genome Biology and Evolution</i> , 2019, 11, 439-458.	2.5	26
2071	Genetic evaluation of gestation length and its use in managing calving patterns. <i>Journal of Dairy Science</i> , 2019, 102, 476-487.	3.4	13
2072	Established and emerging strategies to crack the genetic code of obesity. <i>Obesity Reviews</i> , 2019, 20, 212-240.	6.5	21
2073	SNP-based heritability and genetic architecture of tarsal osteochondrosis in North American Standardbred horses. <i>Animal Genetics</i> , 2019, 50, 78-81.	1.7	9
2074	From the Past to the Future: Considering the Value and Limits of Evolutionary Prediction. <i>American Naturalist</i> , 2019, 193, 1-10.	2.1	43
2075	Myopia: is the nature-nurture debate finally over?. <i>Australasian journal of optometry</i> , The, 2019, 102, 3-17.	1.3	77
2076	Genome-wide association study for longevity in the Holstein cattle population. <i>Animal</i> , 2019, 13, 1350-1357.	3.3	12
2077	Harnessing genomic information for livestock improvement. <i>Nature Reviews Genetics</i> , 2019, 20, 135-156.	16.3	262
2078	SumHer better estimates the SNP heritability of complex traits from summary statistics. <i>Nature Genetics</i> , 2019, 51, 277-284.	21.4	181
2079	Multivariate genomic predictions for age at puberty in tropically adapted beef heifers <sup>1</sup> . <i>Journal of Animal Science</i> , 2019, 97, 90-100.	0.5	10
2080	Combined haplotype blocks regression and multi-locus mixed model analysis reveals novel candidate genes associated with milk traits in dairy sheep. <i>Livestock Science</i> , 2019, 220, 8-16.	1.6	2
2081	Genomic kinship construction to enhance genetic analyses in the human connectome project data. <i>Human Brain Mapping</i> , 2019, 40, 1677-1688.	3.6	14
2082	Estimating cross-population genetic correlations of causal effect sizes. <i>Genetic Epidemiology</i> , 2019, 43, 180-188.	1.3	70
2083	Abnormal Body Size and Proportion. , 2019, , 81-143.		0
2084	Neurogenetic determinants and mechanisms of addiction to nicotine and smoked tobacco. <i>European Journal of Neuroscience</i> , 2019, 50, 2164-2179.	2.6	21

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2086	Phenotypic and genetic relationship between BMI and cigarette smoking in a sample of UK adults. <i>Addictive Behaviors</i> , 2019, 89, 98-103.	3.0	9
2087	The development of adult attachment styles: four lessons. <i>Current Opinion in Psychology</i> , 2019, 25, 26-30.	4.9	121
2088	A genome-wide association study of coping behaviors suggests <i>FBXO45</i> is associated with emotional expression. <i>Genes, Brain and Behavior</i> , 2019, 18, e12481.	2.2	13
2089	A combined analysis of genetically correlated traits identifies 187 loci and a role for neurogenesis and myelination in intelligence. <i>Molecular Psychiatry</i> , 2019, 24, 169-181.	7.9	238
2090	Statistical methods for genome-wide association studies. <i>Seminars in Cancer Biology</i> , 2019, 55, 53-60.	9.6	59
2091	Genetic Effects on the Correlation Structure of CVD Risk Factors: Exome-Wide Data From a Ghanaian Population. <i>Global Heart</i> , 2017, 12, 133.	2.3	4
2093	Exploring the role of genetic confounding in the association between maternal and offspring body mass index: evidence from three birth cohorts. <i>International Journal of Epidemiology</i> , 2020, 49, 233-243.	1.9	18
2094	Missing heritability of complex diseases: case solved?. <i>Human Genetics</i> , 2020, 139, 103-113.	3.8	109
2095	Comparison of ancestral, partial, and genomic inbreeding in a local pig breed to achieve genetic diversity. <i>Conservation Genetics Resources</i> , 2020, 12, 77-86.	0.8	19
2096	Estimating stature using human forearm and leg anthropometric data in an Australian female sample. <i>Australian Journal of Forensic Sciences</i> , 2020, 52, 83-95.	1.2	5
2097	Genome-wide barebones regression scan for mixed-model association analysis. <i>Theoretical and Applied Genetics</i> , 2020, 133, 51-58.	3.6	7
2098	A multiscale approach to detect selection in nonmodel tree species: Widespread adaptation despite population decline in <i>Taxus baccata</i> L. <i>Evolutionary Applications</i> , 2020, 13, 143-160.	3.1	22
2099	Analysis of trait heritability in functionally partitioned rice genomes. <i>Heredity</i> , 2020, 124, 485-498.	2.6	7
2100	Polygenic Risk Scores for Developmental Disorders, Neuromotor Functioning During Infancy, and Autistic Traits in Childhood. <i>Biological Psychiatry</i> , 2020, 87, 132-138.	1.3	27
2101	Introducing M-GCTA a Software Package to Estimate Maternal (or Paternal) Genetic Effects on Offspring Phenotypes. <i>Behavior Genetics</i> , 2020, 50, 51-66.	2.1	18
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2103	The interaction between ABCA1 polymorphism and physical activity on the HDL-cholesterol levels in a Japanese population. <i>Journal of Lipid Research</i> , 2020, 61, 86-94.	4.2	11

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2106	A diagnostic ceiling for exome sequencing in cerebellar ataxia and related neurological disorders. Human Mutation, 2020, 41, 487-501.	2.5	58
2107	An evaluation of machine-learning for predicting phenotype: studies in yeast, rice, and wheat. Machine Learning, 2020, 109, 251-277.	5.4	88
2108	Structural equation models to disentangle the biological relationship between microbiota and complex traits: Methane production in dairy cattle as a case of study. Journal of Animal Breeding and Genetics, 2020, 137, 36-48.	2.0	30
2109	Egg intervention effect on linear growth no longer present after two years. Maternal and Child Nutrition, 2020, 16, e12925.	3.0	25
2110	Genome-wide association study: Understanding the genetic basis of the gait type in Brazilian Mangalarga Marchador horses, a preliminary study. Livestock Science, 2020, 231, 103867.	1.6	4
2111	Heritability of the Fibromyalgia Phenotype Varies by Age. Arthritis and Rheumatology, 2020, 72, 815-823.	5.6	15
2112	Statistical genetic concepts in psychiatric genomics. , 2020, , 103-116.		0
2113	A Robust Method Uncovers Significant Context-Specific Heritability in Diverse Complex Traits. American Journal of Human Genetics, 2020, 106, 71-91.	6.2	54
2114	Heritability of resistance-related gene expression traits and their correlation with body size of clam Meretrix petechialis. Journal of Oceanology and Limnology, 2020, 38, 571-578.	1.3	2
2115	Genome-wide association analyses reveal the genetic basis of biomass accumulation under symbiotic nitrogen fixation in African soybean. Theoretical and Applied Genetics, 2020, 133, 665-676.	3.6	21
2116	Familial Influences on Neuroticism and Education in the UK Biobank. Behavior Genetics, 2020, 50, 84-93.	2.1	9
2117	Genetic effects on planum temporale asymmetry and their limited relevance to neurodevelopmental disorders, intelligence or educational attainment. Cortex, 2020, 124, 137-153.	2.4	26
2118	Genome-wide association study provides insights into the genetic architecture of bone size and mass in chickens. Genome, 2020, 63, 133-143.	2.0	20
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2120	A genome-wide association analysis for body, udder, and leg conformation traits recorded in Murciano-Granadina goats. Journal of Dairy Science, 2020, 103, 11605-11617.	3.4	12
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2123	The Genetics of Spondyloarthritis. <i>Journal of Personalized Medicine</i> , 2020, 10, 151.	2.5	18
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2126	Diagnostic prediction of autism spectrum disorder using complex network measures in a machine learning framework. <i>Biomedical Signal Processing and Control</i> , 2020, 62, 102099.	5.7	47
2127	Genome-wide association analysis of opioid use disorder: A novel approach using clinical data. <i>Drug and Alcohol Dependence</i> , 2020, 217, 108276.	3.2	17
2128	CTLâ€doxorubicin (DOX)â€gold complex nanoparticles (DOXâ€AuGCs): from synthesis to enhancement of therapeutic effect on liver cancer model. <i>Nanoscale Advances</i> , 2020, 2, 5231-5241.	4.6	3
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2422	Detecting local genetic correlations with scan statistics. <i>Nature Communications</i> , 2021, 12, 2033.	12.8	23
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2448	The value of genomic relationship matrices to estimate levels of inbreeding. <i>Genetics Selection Evolution</i> , 2021, 53, 42.	3.0	31
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2474	Assumptions about frequency-dependent architectures of complex traits bias measures of functional enrichment. <i>Genetic Epidemiology</i> , 2021, 45, 621-632.	1.3	5
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2485	X-chromosome influences on neuroanatomical variation in humans. <i>Nature Neuroscience</i> , 2021, 24, 1216-1224.	14.8	26
2486	The Use of "Genotyping-by-Sequencing" to Recover Shared Genealogy in Genetically Diverse <i>Eucalyptus</i> Populations. <i>Forests</i> , 2021, 12, 904.	2.1	4



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2489	Characterizing the Genetic Architecture of Parkinson's Disease in Latinos. <i>Annals of Neurology</i> , 2021, 90, 353-365.	5.3	48
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2498	SNP-Based Genotyping Provides Insight Into the West Asian Origin of Russian Local Goats. <i>Frontiers in Genetics</i> , 2021, 12, 708740.	2.3	12
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2500	Accelerated deciphering of the genetic architecture of agricultural economic traits in pigs using a low-coverage whole-genome sequencing strategy. <i>GigaScience</i> , 2021, 10, .	6.4	34
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2507	Genome-wide association study and polygenic risk score analysis for hearing measures in children. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2021, 186, 318-328.	1.7	6
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2510	Association mapping and pathway analysis of ear rot disease caused by <i>Aspergillus flavus</i> in a panel of tropical maize germplasm. <i>Crop Science</i> , 2021, 61, 4128-4138.	1.8	3
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2515	Average semivariance yields accurate estimates of the fraction of marker-associated genetic variance and heritability in complex trait analyses. <i>PLoS Genetics</i> , 2021, 17, e1009762.	3.5	12
2516	Genomic prediction in a numerically small breed population using prioritized genetic markers from whole-genome sequence data. <i>Journal of Animal Breeding and Genetics</i> , 2021, , .	2.0	6
2517	Admixture mapping reveals loci for carcass mass in red deer x sika hybrids in Kintyre, Scotland. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	1
2518	Single-cell analysis of cell fate bifurcation in the chordate <i>Ciona</i> . <i>BMC Biology</i> , 2021, 19, 180.	3.8	6
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2524	Genome-wide hierarchical mixed model association analysis. <i>Briefings in Bioinformatics</i> , 2021, 22, .	6.5	2
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2529	Impact of genotypic errors with equal and unequal family contribution on accuracy of genomic prediction in aquaculture using simulation. <i>Scientific Reports</i> , 2021, 11, 18318.	3.3	0
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2532	Genetic—Environment variation in sheep lines bred for divergent resistance to strongyle infection. <i>Evolutionary Applications</i> , 2021, 14, 2591-2602.	3.1	5
2533	Sex differences in deleterious mutational effects in <i>Drosophila melanogaster</i> : combining quantitative and population genetic insights. <i>Genetics</i> , 2021, 219, .	2.9	2
2534	SUPERGNOVA: local genetic correlation analysis reveals heterogeneous etiologic sharing of complex traits. <i>Genome Biology</i> , 2021, 22, 262.	8.8	56
2536	MIDESP: Mutual Information-Based Detection of Epistatic SNP Pairs for Qualitative and Quantitative Phenotypes. <i>Biology</i> , 2021, 10, 921.	2.8	3
2539	The importance of increasing population diversity in genetic studies of type 2 diabetes and related glycaemic traits. <i>Diabetologia</i> , 2021, 64, 2653-2664.	6.3	10

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2542	Genetic and environmental contributions to IQ in adoptive and biological families with 30-year-old offspring. <i>Intelligence</i> , 2021, 88, 101579.	3.0	9
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2549	Estimation of Simultaneous Signals Using Absolute Inner Product with Applications to Integrative Genomics. <i>Statistica Sinica</i> , 2022, , .	0.3	0
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2560	African genetic diversity and adaptation inform a precision medicine agenda. <i>Nature Reviews Genetics</i> , 2021, 22, 284-306.	16.3	69

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2564	An overview of developmental behavioral genetics. , 2021, , 59-80.		1
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