

Michael A Province

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

110
papers

5,017
citations

35
h-index

69
g-index

118
ext. papers

6,792
ext. citations

8.7
avg, IF

4.72
L-index

#	Paper	IF	Citations
110	Genome-wide association study identifies 74 loci associated with educational attainment. <i>Nature</i> , 2016 , 533, 539-42	50.4	850
109	Genome-wide meta-analysis identifies 11 new loci for anthropometric traits and provides insights into genetic architecture. <i>Nature Genetics</i> , 2013 , 45, 501-12	36.3	437
108	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes. <i>Nature Genetics</i> , 2018 , 50, 559-571	36.3	221
107	A catalog of genetic loci associated with kidney function from analyses of a million individuals. <i>Nature Genetics</i> , 2019 , 51, 957-972	36.3	217
106	Clinical Pharmacogenetics Implementation Consortium (CPIC) Guideline for CYP2D6 and Tamoxifen Therapy. <i>Clinical Pharmacology and Therapeutics</i> , 2018 , 103, 770-777	6.1	161
105	Genomic scan for maximal oxygen uptake and its response to training in the HERITAGE Family Study. <i>Journal of Applied Physiology</i> , 2000 , 88, 551-9	3.7	157
104	Meta-analysis of genome-wide association studies in African Americans provides insights into the genetic architecture of type 2 diabetes. <i>PLoS Genetics</i> , 2014 , 10, e1004517	6	151
103	Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility. <i>Nature Communications</i> , 2015 , 6, 5897	17.4	147
102	Familial resemblance of plasma lipids, lipoproteins and postheparin lipoprotein and hepatic lipases in the HERITAGE Family Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997 , 17, 3263-9	9.4	134
101	Frailty and injuries in later life: the FICSIT trials. <i>Journal of the American Geriatrics Society</i> , 1993 , 41, 283-366	36	130
100	Meta-analysis of gene-environment interaction: joint estimation of SNP and SNP \times environment regression coefficients. <i>Genetic Epidemiology</i> , 2011 , 35, 11-8	2.6	121
99	A meta-analysis of genome-wide association studies identifies multiple longevity genes. <i>Nature Communications</i> , 2019 , 10, 3669	17.4	102
98	Genetic variants linked to education predict longevity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 13366-13371	11.5	90
97	A meta-analysis of genome-wide linkage scans for hypertension: the National Heart, Lung and Blood Institute Family Blood Pressure Program. <i>American Journal of Hypertension</i> , 2003 , 16, 144-7	2.3	82
96	Pleiotropic genes for metabolic syndrome and inflammation. <i>Molecular Genetics and Metabolism</i> , 2014 , 112, 317-38	3.7	81
95	Whole Genome Linkage Scan Identifies a Novel Locus on 3q28 for TG/HDL-C Ratio Change Over Time. <i>Innovation in Aging</i> , 2020 , 4, 492-492	0.1	78
94	Long Life Family Study Shows Reduced Coronary Artery Disease Despite High Polygenic Hazard Scores. <i>Innovation in Aging</i> , 2020 , 4, 212-212	0.1	78

93	The Long Life Family Study: Sequencing Exceptional Pedigrees for Rare Protective Variants. <i>Innovation in Aging</i> , 2020 , 4, 851-852	0.1	78
92	General purpose model and a computer program for combined segregation and path analysis (SEGPATH): automatically creating computer programs from symbolic language model specifications. <i>Genetic Epidemiology</i> , 1995 , 12, 203-19	2.6	74
91	Multi-ancestry genome-wide gene-smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids. <i>Nature Genetics</i> , 2019 , 51, 636-648	36.3	59
90	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. <i>American Journal of Human Genetics</i> , 2019 , 104, 112-138	11	54
89	Evidence for multiple determinants of the body mass index: the National Heart, Lung, and Blood Institute Family Heart Study. <i>Obesity</i> , 1998 , 6, 107-14		51
88	Multiethnic meta-analysis identifies ancestry-specific and cross-ancestry loci for pulmonary function. <i>Nature Communications</i> , 2018 , 9, 2976	17.4	45
87	Heritability of telomere length in a study of long-lived families. <i>Neurobiology of Aging</i> , 2015 , 36, 2785-90	5.6	45
86	Family risk score of coronary heart disease (CHD) as a predictor of CHD: the Atherosclerosis Risk in Communities (ARIC) study and the NHLBI family heart study. <i>Genetic Epidemiology</i> , 2000 , 18, 236-50	2.6	45
85	The NIEHS TaRGET II Consortium and environmental epigenomics. <i>Nature Biotechnology</i> , 2018 , 36, 225-227	4.5	44
84	Meta-analysis methodology for combining non-parametric sibpair linkage results: genetic homogeneity and identical markers. <i>Genetic Epidemiology</i> , 1998 , 15, 609-26	2.6	44
83	The trans-ancestral genomic architecture of glycemc traits. <i>Nature Genetics</i> , 2021 , 53, 840-860	36.3	44
82	Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. <i>Nature Communications</i> , 2019 , 10, 376	17.4	41
81	Age, gender, and cancer but not neurodegenerative and cardiovascular diseases strongly modulate systemic effect of the Apolipoprotein E4 allele on lifespan. <i>PLoS Genetics</i> , 2014 , 10, e1004141	6	41
80	Tree-based recursive partitioning methods for subdividing sibpairs into relatively more homogeneous subgroups. <i>Genetic Epidemiology</i> , 2001 , 20, 293-306	2.6	41
79	S-phase fraction and nuclear size in long term prognosis of patients with breast cancer. <i>Cancer</i> , 1994 , 74, 2287-99	6.4	41
78	Multiancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. <i>American Journal of Epidemiology</i> , 2019 , 188, 1033-1054	3.8	39
77	CNV-association meta-analysis in 191,161 European adults reveals new loci associated with anthropometric traits. <i>Nature Communications</i> , 2017 , 8, 744	17.4	37
76	Familial aggregation of amount and distribution of subcutaneous fat and their responses to exercise training in the HERITAGE family study. <i>Obesity</i> , 2000 , 8, 140-50		35

75	Clinical investigation in Duchenne muscular dystrophy: IV. Double-blind controlled trial of leucine. <i>Muscle and Nerve</i> , 1984 , 7, 535-41	3.4	35
74	Cytochrome p450 gene variants, race, and mortality among clopidogrel-treated patients after acute myocardial infarction. <i>Circulation: Cardiovascular Genetics</i> , 2014 , 7, 277-86		34
73	Family study of alpha 1-antitrypsin deficiency: effects of cigarette smoking, measured genotype, and their interaction on pulmonary function and biochemical traits. <i>Genetic Epidemiology</i> , 1992 , 9, 317-31 ⁶	3.6	34
72	Novel genetic associations for blood pressure identified via gene-alcohol interaction in up to 570K individuals across multiple ancestries. <i>PLoS ONE</i> , 2018 , 13, e0198166	3.7	31
71	Multi-ancestry sleep-by-SNP interaction analysis in 126,926 individuals reveals lipid loci stratified by sleep duration. <i>Nature Communications</i> , 2019 , 10, 5121	17.4	31
70	Genome-wide meta-analysis of macronutrient intake of 91,114 European ancestry participants from the cohorts for heart and aging research in genomic epidemiology consortium. <i>Molecular Psychiatry</i> , 2019 , 24, 1920-1932	15.1	30
69	Sex-dimorphic genetic effects and novel loci for fasting glucose and insulin variability. <i>Nature Communications</i> , 2021 , 12, 24	17.4	30
68	Epigenomics and metabolomics reveal the mechanism of the APOA2-saturated fat intake interaction affecting obesity. <i>American Journal of Clinical Nutrition</i> , 2018 , 108, 188-200	7	29
67	The SCARB1 gene is associated with lipid response to dietary and pharmacological interventions. <i>Journal of Human Genetics</i> , 2008 , 53, 709-717	4.3	27
66	Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals. <i>Nature Genetics</i> , 2020 , 52, 1314-1332	36.3	26
65	Genetics of hypertension and cardiovascular disease and their interconnected pathways: lessons from large studies. <i>Current Hypertension Reports</i> , 2011 , 13, 46-54	4.7	25
64	Epigenome-wide association study of triglyceride postprandial responses to a high-fat dietary challenge. <i>Journal of Lipid Research</i> , 2016 , 57, 2200-2207	6.3	24
63	The power of genetic diversity in genome-wide association studies of lipids. <i>Nature</i> , 2021 ,	50.4	24
62	Dairy Consumption and Body Mass Index Among Adults: Mendelian Randomization Analysis of 184802 Individuals from 25 Studies. <i>Clinical Chemistry</i> , 2018 , 64, 183-191	5.5	24
61	Genome-wide association study of triglyceride response to a high-fat meal among participants of the NHLBI Genetics of Lipid Lowering Drugs and Diet Network (GOLDN). <i>Metabolism: Clinical and Experimental</i> , 2015 , 64, 1359-71	12.7	23
60	Proliferative rate by S-phase measurement may affect cure of breast carcinoma. <i>Cancer</i> , 1995 , 76, 1009-18 ¹	6.4	23
59	Family History of Coronary Heart Disease and Hemostatic Variables in Middle-Aged Adults. <i>Thrombosis and Haemostasis</i> , 1997 , 77, 087-093	7	23
58	Insulin Resistance Exacerbates Genetic Predisposition to Nonalcoholic Fatty Liver Disease in Individuals Without Diabetes. <i>Hepatology Communications</i> , 2019 , 3, 894-907	6	21

57	Genome-wide association study identifies common loci influencing circulating glycated hemoglobin (HbA1c) levels in non-diabetic subjects: the Long Life Family Study (LLFS). <i>Metabolism: Clinical and Experimental</i> , 2014 , 63, 461-8	12.7	21
56	Heterogeneity in the familial aggregation of fasting serum uric acid level in five North American populations: the Lipid Research Clinics Family Study. <i>American Journal of Medical Genetics Part A</i> , 1990 , 36, 219-25		21
55	A single, sequential, genome-wide test to identify simultaneously all promising areas in a linkage scan. <i>Genetic Epidemiology</i> , 2000 , 19, 301-22	2.6	18
54	Assessment of postprandial triglycerides in clinical practice: Validation in a general population and coronary heart disease patients. <i>Journal of Clinical Lipidology</i> , 2016 , 10, 1163-71	4.9	17
53	Candidate gene resequencing to identify rare, pedigree-specific variants influencing healthy aging phenotypes in the long life family study. <i>BMC Geriatrics</i> , 2016 , 16, 80	4.1	16
52	Meta-analysis of exome array data identifies six novel genetic loci for lung function. <i>Wellcome Open Research</i> , 2018 , 3, 4	4.8	16
51	A correlated meta-analysis strategy for data mining "OMIC" scans. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2013 , 236-46	1.3	16
50	Genetics of Human Longevity From Incomplete Data: New Findings From the Long Life Family Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018 , 73, 1472-1481	6.4	15
49	Carbohydrate and fat intake associated with risk of metabolic diseases through epigenetics of CPT1A. <i>American Journal of Clinical Nutrition</i> , 2020 , 112, 1200-1211	7	15
48	An Empirical Comparison of Joint and Stratified Frameworks for Studying G x E Interactions: Systolic Blood Pressure and Smoking in the CHARGE Gene-Lifestyle Interactions Working Group. <i>Genetic Epidemiology</i> , 2016 , 40, 404-15	2.6	15
47	A multi-ancestry genome-wide study incorporating gene-smoking interactions identifies multiple new loci for pulse pressure and mean arterial pressure. <i>Human Molecular Genetics</i> , 2019 , 28, 2615-2633	5.6	14
46	A high throughput, functional screen of human Body Mass Index GWAS loci using tissue-specific RNAi <i>Drosophila melanogaster</i> crosses. <i>PLoS Genetics</i> , 2018 , 14, e1007222	6	14
45	Relationship between Red Blood Cell Thiopurine Methyltransferase Activity and Myelotoxicity in Dogs Receiving Azathioprine. <i>Journal of Veterinary Internal Medicine</i> , 2004 , 18, 339-345	3.1	13
44	Exome-Derived Adiponectin-Associated Variants Implicate Obesity and Lipid Biology. <i>American Journal of Human Genetics</i> , 2019 , 105, 15-28	11	12
43	Dairy Intake and Body Composition and Cardiometabolic Traits among Adults: Mendelian Randomization Analysis of 182041 Individuals from 18 Studies. <i>Clinical Chemistry</i> , 2019 , 65, 751-760	5.5	11
42	Selection of models for the analysis of risk-factor trees: leveraging biological knowledge to mine large sets of risk factors with application to microbiome data. <i>Bioinformatics</i> , 2015 , 31, 1607-13	7.2	11
41	Admixture mapping of coronary artery calcification in African Americans from the NHLBI family heart study. <i>BMC Genetics</i> , 2015 , 16, 42	2.6	10
40	Genetic Studies of Leptin Concentrations Implicate Leptin in the Regulation of Early Adiposity. <i>Diabetes</i> , 2020 , 69, 2806-2818	0.9	10

39	Genome- and CD4+ T-cell methylome-wide association study of circulating trimethylamine-N-oxide in the Genetics of Lipid Lowering Drugs and Diet Network (GOLDN). <i>Journal of Nutrition & Intermediary Metabolism</i> , 2017 , 8, 1-7	2.8	9
38	A Framework for Interpreting Type I Error Rates from a Product-Term Model of Interaction Applied to Quantitative Traits. <i>Genetic Epidemiology</i> , 2016 , 40, 144-53	2.6	9
37	Common genetic variants on 6q24 associated with exceptional episodic memory performance in the elderly. <i>JAMA Neurology</i> , 2014 , 71, 1514-9	17.2	9
36	Inheritance of the waist-to-hip ratio in the National Heart, Lung, and Blood Institute Family Heart Study. <i>Obesity</i> , 2000 , 8, 294-301		9
35	Gathering the gold dust: methods for assessing the aggregate impact of small effect genes in genomic scans. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2008 , 190-200	1.3	9
34	Role of Rare and Low-Frequency Variants in Gene-Alcohol Interactions on Plasma Lipid Levels. <i>Circulation Genomic and Precision Medicine</i> , 2020 , 13, e002772	5.2	8
33	VarExp: estimating variance explained by genome-wide GxE summary statistics. <i>Bioinformatics</i> , 2018 , 34, 3412-3414	7.2	7
32	Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation.. <i>Nature Genetics</i> , 2022 ,	36.3	7
31	Genome-Wide Interactions with Dairy Intake for Body Mass Index in Adults of European Descent. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, 1700347	5.9	5
30	International Genetic Epidemiology Society: commentary on Darkness in El Dorado by Patrick Tierney. <i>Genetic Epidemiology</i> , 2001 , 21, 81-104	2.6	5
29	Evidence of pleiotropic loci for fasting insulin, total fat mass, and abdominal visceral fat in a sedentary population: the HERITAGE family study. <i>Obesity</i> , 2000 , 8, 151-9		5
28	Identification of Polymorphisms Associated with Susceptibility to Therapy-Related MDS and AML.. <i>Blood</i> , 2007 , 110, 15-15	2.2	5
27	Allele-specific variation at APOE increases nonalcoholic fatty liver disease and obesity but decreases risk of Alzheimer's disease and myocardial infarction. <i>Human Molecular Genetics</i> , 2021 , 30, 1443-1456	5.6	5
26	Genome-wide linkage analysis of carotid artery traits in exceptionally long-lived families. <i>Atherosclerosis</i> , 2019 , 291, 19-26	3.1	4
25	Gene discovery for high-density lipoprotein cholesterol level change over time in prospective family studies. <i>Atherosclerosis</i> , 2020 , 297, 102-110	3.1	4
24	An exome-wide sequencing study of lipid response to high-fat meal and fenofibrate in Caucasians from the GOLDN cohort. <i>Journal of Lipid Research</i> , 2018 , 59, 722-729	6.3	4
23	A frailty approach for modelling diseases with variable age of onset in families: the NHLBI Family Heart Study. <i>Statistics in Medicine</i> , 1999 , 18, 1517-28	2.3	4
22	Obesity Partially Mediates the Diabetogenic Effect of Lowering LDL Cholesterol. <i>Diabetes Care</i> , 2021 ,	14.6	4

21	Mechanisms underlying familial aggregation of exceptional health and survival: A three-generation cohort study. <i>Aging Cell</i> , 2020 , 19, e13228	9.9	4
20	Simulation of a medication and methylation effects on triglycerides in the Genetic Analysis Workshop 20. <i>BMC Proceedings</i> , 2018 , 12, 25	2.3	4
19	Race differences in reproducibilities: The HERITAGE family study. <i>American Journal of Human Biology</i> , 1997 , 9, 415-424	2.7	3
18	The impact of marker allele frequency misspecification in variance components quantitative trait locus analysis using sibship data. <i>Genetic Epidemiology</i> , 1999 , 17 Suppl 1, S73-7	2.6	3
17	Heterogeneity among populations for familial aggregation of blood pressure. <i>American Journal of Human Biology</i> , 1991 , 3, 515-523	2.7	3
16	NIA Long Life Family Study: Objectives, Design, and Heritability of Cross Sectional and Longitudinal Phenotypes. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 ,	6.4	3
15	Genetics and geography of leukocyte telomere length in sub-Saharan Africans. <i>Human Molecular Genetics</i> , 2020 , 29, 3014-3020	5.6	3
14	A Noncoding Variant Near PPP1R3B Promotes Liver Glycogen Storage and MetS, but Protects Against Myocardial Infarction. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 , 106, 372-387	5.6	3
13	How Well Does the Family Longevity Selection Score Work: A Validation Test Using the Utah Population Database. <i>Frontiers in Public Health</i> , 2018 , 6, 277	6	3
12	Leukocyte Telomere Length Is Unrelated to Cognitive Performance Among Non-Demented and Demented Persons: An Examination of Long Life Family Study Participants. <i>Journal of the International Neuropsychological Society</i> , 2020 , 26, 906-917	3.1	2
11	Methods for detecting methylation by SNP interaction in GAW20 simulation. <i>BMC Proceedings</i> , 2018 , 12, 37	2.3	2
10	An Exome-Wide Sequencing Study of the GOLDN Cohort Reveals Novel Associations of Coding Variants and Fasting Plasma Lipids. <i>Frontiers in Genetics</i> , 2019 , 10, 158	4.5	1
9	Salivary AMY1 Copy Number Variation Modifies Age-Related Type 2 Diabetes Risk. <i>Clinical Chemistry</i> , 2020 , 66, 718-726	5.5	1
8	Re: CYP2D6 genotyping and the use of tamoxifen in breast cancer. <i>Journal of the National Cancer Institute</i> , 2014 , 106, djt379	9.7	1
7	Heterogeneity of the Predictive Polygenic Risk Scores for Coronary Heart Disease Age-at-Onset in Three Different Coronary Heart Disease Family-Based Ascertainments. <i>Circulation Genomic and Precision Medicine</i> , 2021 , 14, e003201	5.2	1
6	Meta-analysis methodology for combining non-parametric sibpair linkage results: Genetic homogeneity and identical markers 1998 , 15, 609		1
5	Searching for the mountains of the moon: genome scans for atherosclerosis. <i>Current Atherosclerosis Reports</i> , 2002 , 4, 169-75	6	
4	General Framework for Meta-Analysis of Haplotype Association Tests. <i>Genetic Epidemiology</i> , 2016 , 40, 244-52	2.6	

- 3 Pleiotropic Genes for Pulmonary Function and Aging-Related Traits: The Long Life Family Study (LLFS). *Innovation in Aging*, **2021**, 5, 138-138 0.1
- 2 Metabolomic Profile Differences Between Demented and Non-Demented APOE4 Carriers in the Long Life Family Study. *Innovation in Aging*, **2021**, 5, 581-581 0.1
- 1 Linkage Guided Sequence Analysis Revealed a Novel Gene PKD1L2 for Adiponectin: The Long Life Family Study (LLFS). *Innovation in Aging*, **2021**, 5, 580-580 0.1