Michael A Province

List of Publications by Year in Descending Order

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	Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation.. *Nature Genetics*, **2022**,	36.3	7
109	The power of genetic diversity in genome-wide association studies of lipids. *Nature*, **2021**,	50.4	24
108	NIA Long Life Family Study: Objectives, Design, and Heritability of Cross Sectional and Longitudinal Phenotypes. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2021**,	6.4	3
107	Obesity Partially Mediates the Diabetogenic Effect of Lowering LDL Cholesterol. *Diabetes Care*, **2021**,	14.6	4
106	Allele-specific variation at APOE increases nonalcoholic fatty liver disease and obesity but decreases risk of Alzheimer's disease and myocardial infarction. *Human Molecular Genetics*, **2021**, 30, 1443-1456	5.6	5
105	The trans-ancestral genomic architecture of glycemic traits. *Nature Genetics*, **2021**, 53, 840-860	36.3	44
104	Heterogeneity of the Predictive Polygenic Risk Scores for Coronary Heart Disease Age-at-Onset in Three Different Coronary Heart Disease Family-Based Ascertainments. *Circulation Genomic and Precision Medicine*, **2021**, 14, e003201	5.2	1
103	A Noncoding Variant Near PPP1R3B Promotes Liver Glycogen Storage and MetS, but Protects Against Myocardial Infarction. *Journal of Clinical Endocrinology and Metabolism*, **2021**, 106, 372-387	5.6	3
102	Sex-dimorphic genetic effects and novel loci for fasting glucose and insulin variability. *Nature Communications*, **2021**, 12, 24	17.4	30
101	Pleiotropic Genes for Pulmonary Function and Aging-Related Traits: The Long Life Family Study (LLFS). *Innovation in Aging*, **2021**, 5, 138-138	0.1	
100	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	
99	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	
98	Leukocyte Telomere Length Is Unrelated to Cognitive Performance Among Non-Demented and Demented Persons: An Examination of Long Life Family Study Participants. *Journal of the International Neuropsychological Society*, **2020**, 26, 906-917	3.1	2
97	Role of Rare and Low-Frequency Variants in Gene-Alcohol Interactions on Plasma Lipid Levels. *Circulation Genomic and Precision Medicine*, **2020**, 13, e002772	5.2	8
96	Gene discovery for high-density lipoprotein cholesterol level change over time in prospective family studies. *Atherosclerosis*, **2020**, 297, 102-110	3.1	4
95	Salivary AMY1 Copy Number Variation Modifies Age-Related Type 2 Diabetes Risk. *Clinical Chemistry*, **2020**, 66, 718-726	5.5	1
94	Whole Genome Linkage Scan Identifies a Novel Locus on 3q28 for TG/HDL-C Ratio Change Over Time. *Innovation in Aging*, **2020**, 4, 492-492	0.1	78

93	Long Life Family Study Shows Reduced Coronary Artery Disease Despite High Polygenic Hazard Scores. *Innovation in Aging*, **2020**, 4, 212-212	0.1	78
92	The Long Life Family Study: Sequencing Exceptional Pedigrees for Rare Protective Variants. *Innovation in Aging*, **2020**, 4, 851-852	0.1	78
91	Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals. *Nature Genetics*, **2020**, 52, 1314-1332	36.3	26
90	Mechanisms underlying familial aggregation of exceptional health and survival: A three-generation cohort study. *Aging Cell*, **2020**, 19, e13228	9.9	4
89	Carbohydrate and fat intake associated with risk of metabolic diseases through epigenetics of CPT1A. *American Journal of Clinical Nutrition*, **2020**, 112, 1200-1211	7	15
88	Genetic Studies of Leptin Concentrations Implicate Leptin in the Regulation of Early Adiposity. *Diabetes*, **2020**, 69, 2806-2818	0.9	10
87	Genetics and geography of leukocyte telomere length in sub-Saharan Africans. *Human Molecular Genetics*, **2020**, 29, 3014-3020	5.6	3
86	Genome-wide linkage analysis of carotid artery traits in exceptionally long-lived families. *Atherosclerosis*, **2019**, 291, 19-26	3.1	4
85	Multiancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. *American Journal of Epidemiology*, **2019**, 188, 1033-1054	3.8	39
84	Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. *Nature Communications*, **2019**, 10, 376	17.4	41
83	Exome-Derived Adiponectin-Associated Variants Implicate Obesity and Lipid Biology. *American Journal of Human Genetics*, **2019**, 105, 15-28	11	12
82	Dairy Intake and Body Composition and Cardiometabolic Traits among Adults: Mendelian Randomization Analysis of 182041 Individuals from 18 Studies. *Clinical Chemistry*, **2019**, 65, 751-760	5.5	11
81	A catalog of genetic loci associated with kidney function from analyses of a million individuals. *Nature Genetics*, **2019**, 51, 957-972	36.3	217
80	An Exome-Wide Sequencing Study of the GOLDN Cohort Reveals Novel Associations of Coding Variants and Fasting Plasma Lipids. *Frontiers in Genetics*, **2019**, 10, 158	4.5	1
79	A multi-ancestry genome-wide study incorporating gene-smoking interactions identifies multiple new loci for pulse pressure and mean arterial pressure. *Human Molecular Genetics*, **2019**, 28, 2615-2633	5.6	14
78	Multi-ancestry genome-wide gene-smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids. *Nature Genetics*, **2019**, 51, 636-648	36.3	59
77	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. *Molecular Psychiatry*, **2019**, 24, 1920-1932	15.1	30
76	A meta-analysis of genome-wide association studies identifies multiple longevity genes. *Nature Communications*, **2019**, 10, 3669	17.4	102

75	Insulin Resistance Exacerbates Genetic Predisposition to Nonalcoholic Fatty Liver Disease in Individuals Without Diabetes. *Hepatology Communications*, **2019**, 3, 894-907	6	21
74	Multi-ancestry sleep-by-SNP interaction analysis in 126,926 individuals reveals lipid loci stratified by sleep duration. *Nature Communications*, **2019**, 10, 5121	17.4	31
73	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. *American Journal of Human Genetics*, **2019**, 104, 112-138	11	54
72	The NIEHS TaRGET II Consortium and environmental epigenomics. *Nature Biotechnology*, **2018**, 36, 225-227	44.5	44
71	An exome-wide sequencing study of lipid response to high-fat meal and fenofibrate in Caucasians from the GOLDN cohort. *Journal of Lipid Research*, **2018**, 59, 722-729	6.3	4
70	Genetics of Human Longevity From Incomplete Data: New Findings From the Long Life Family Study. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2018**, 73, 1472-1481	6.4	15
69	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes. *Nature Genetics*, **2018**, 50, 559-571	36.3	221
68	Clinical Pharmacogenetics Implementation Consortium (CPIC) Guideline for CYP2D6 and Tamoxifen Therapy. *Clinical Pharmacology and Therapeutics*, **2018**, 103, 770-777	6.1	161
67	VarExp: estimating variance explained by genome-wide GxE summary statistics. *Bioinformatics*, **2018**, 34, 3412-3414	7.2	7
66	Genome-Wide Interactions with Dairy Intake for Body Mass Index in Adults of European Descent. *Molecular Nutrition and Food Research*, **2018**, 62, 1700347	5.9	5
65	Multiethnic meta-analysis identifies ancestry-specific and cross-ancestry loci for pulmonary function. *Nature Communications*, **2018**, 9, 2976	17.4	45
64	Epigenomics and metabolomics reveal the mechanism of the APOA2-saturated fat intake interaction affecting obesity. *American Journal of Clinical Nutrition*, **2018**, 108, 188-200	7	29
63	Novel genetic associations for blood pressure identified via gene-alcohol interaction in up to 570K individuals across multiple ancestries. *PLoS ONE*, **2018**, 13, e0198166	3.7	31
62	Meta-analysis of exome array data identifies six novel genetic loci for lung function. *Wellcome Open Research*, **2018**, 3, 4	4.8	16
61	Dairy Consumption and Body Mass Index Among Adults: Mendelian Randomization Analysis of 184802 Individuals from 25 Studies. *Clinical Chemistry*, **2018**, 64, 183-191	5.5	24
60	Methods for detecting methylation by SNP interaction in GAW20 simulation. *BMC Proceedings*, **2018**, 12, 37	2.3	2
59	How Well Does the Family Longevity Selection Score Work: A Validation Test Using the Utah Population Database. *Frontiers in Public Health*, **2018**, 6, 277	6	3
58	Simulation of a medication and methylation effects on triglycerides in the Genetic Analysis Workshop 20. *BMC Proceedings*, **2018**, 12, 25	2.3	4

57	A high throughput, functional screen of human Body Mass Index GWAS loci using tissue-specific RNAi Drosophila melanogaster crosses. *PLoS Genetics*, **2018**, 14, e1007222	6	14
56	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). *Journal of Nutrition & Intermediary Metabolism*, **2017**, 8, 1-7	2.8	9
55	CNV-association meta-analysis in 191,161 European adults reveals new loci associated with anthropometric traits. *Nature Communications*, **2017**, 8, 744	17.4	37
54	Epigenome-wide association study of triglyceride postprandial responses to a high-fat dietary challenge. *Journal of Lipid Research*, **2016**, 57, 2200-2207	6.3	24
53	Genetic variants linked to education predict longevity. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 13366-13371	11.5	90
52	Candidate gene resequencing to identify rare, pedigree-specific variants influencing healthy aging phenotypes in the long life family study. *BMC Geriatrics*, **2016**, 16, 80	4.1	16
51	A Framework for Interpreting Type I Error Rates from a Product-Term Model of Interaction Applied to Quantitative Traits. *Genetic Epidemiology*, **2016**, 40, 144-53	2.6	9
50	An Empirical Comparison of Joint and Stratified Frameworks for Studying G E Interactions: Systolic Blood Pressure and Smoking in the CHARGE Gene-Lifestyle Interactions Working Group. *Genetic Epidemiology*, **2016**, 40, 404-15	2.6	15
49	Genome-wide association study identifies 74 loci associated with educational attainment. *Nature*, **2016**, 533, 539-42	50.4	850
48	Assessment of postprandial triglycerides in clinical practice: Validation in a general population and coronary heart disease patients. *Journal of Clinical Lipidology*, **2016**, 10, 1163-71	4.9	17
47	General Framework for Meta-Analysis of Haplotype Association Tests. *Genetic Epidemiology*, **2016**, 40, 244-52	2.6	
46	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. *Bioinformatics*, **2015**, 31, 1607-13	7.2	11
45	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). *Metabolism: Clinical and Experimental*, **2015**, 64, 1359-71	12.7	23
44	Admixture mapping of coronary artery calcification in African Americans from the NHLBI family heart study. *BMC Genetics*, **2015**, 16, 42	2.6	10
43	Heritability of telomere length in a study of long-lived families. *Neurobiology of Aging*, **2015**, 36, 2785-90	5.6	45
42	Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility. *Nature Communications*, **2015**, 6, 5897	17.4	147
41	Cytochrome p450 gene variants, race, and mortality among clopidogrel-treated patients after acute myocardial infarction. *Circulation: Cardiovascular Genetics*, **2014**, 7, 277-86		34
40	Genome-wide association study identifies common loci influencing circulating glycated hemoglobin (HbA1c) levels in non-diabetic subjects: the Long Life Family Study (LLFS). *Metabolism: Clinical and Experimental*, **2014**, 63, 461-8	12.7	21

39	Age, gender, and cancer but not neurodegenerative and cardiovascular diseases strongly modulate systemic effect of the Apolipoprotein E4 allele on lifespan. *PLoS Genetics*, **2014**, 10, e1004141	6	41
38	Meta-analysis of genome-wide association studies in African Americans provides insights into the genetic architecture of type 2 diabetes. *PLoS Genetics*, **2014**, 10, e1004517	6	151
37	Common genetic variants on 6q24 associated with exceptional episodic memory performance in the elderly. *JAMA Neurology*, **2014**, 71, 1514-9	17.2	9
36	Re: CYP2D6 genotyping and the use of tamoxifen in breast cancer. *Journal of the National Cancer Institute*, **2014**, 106, djt379	9.7	1
35	Pleiotropic genes for metabolic syndrome and inflammation. *Molecular Genetics and Metabolism*, **2014**, 112, 317-38	3.7	81
34	Genome-wide meta-analysis identifies 11 new loci for anthropometric traits and provides insights into genetic architecture. *Nature Genetics*, **2013**, 45, 501-12	36.3	437
33	A correlated meta-analysis strategy for data mining "OMIC" scans. *Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing*, **2013**, 236-46	1.3	16
32	Genetics of hypertension and cardiovascular disease and their interconnected pathways: lessons from large studies. *Current Hypertension Reports*, **2011**, 13, 46-54	4.7	25
31	Meta-analysis of gene-environment interaction: joint estimation of SNP and SNP environment regression coefficients. *Genetic Epidemiology*, **2011**, 35, 11-8	2.6	121
30	The SCARB1 gene is associated with lipid response to dietary and pharmacological interventions. *Journal of Human Genetics*, **2008**, 53, 709-717	4.3	27
29	Gathering the gold dust: methods for assessing the aggregate impact of small effect genes in genomic scans. *Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing*, **2008**, 190-200	1.3	9
28	Identification of Polymorphisms Associated with Susceptibility to Therapy-Related MDS and AML.. *Blood*, **2007**, 110, 15-15	2.2	5
27	Relationship between Red Blood Cell Thiopurine Methyltransferase Activity and Myelotoxicity in Dogs Receiving Azathioprine. *Journal of Veterinary Internal Medicine*, **2004**, 18, 339-345	3.1	13
26	A meta-analysis of genome-wide linkage scans for hypertension: the National Heart, Lung and Blood Institute Family Blood Pressure Program. *American Journal of Hypertension*, **2003**, 16, 144-7	2.3	82
25	Searching for the mountains of the moon: genome scans for atherosclerosis. *Current Atherosclerosis Reports*, **2002**, 4, 169-75	6	
24	Tree-based recursive partitioning methods for subdividing sibpairs into relatively more homogeneous subgroups. *Genetic Epidemiology*, **2001**, 20, 293-306	2.6	41
23	International Genetic Epidemiology Society: commentary on Darkness in El Dorado by Patrick Tierney. *Genetic Epidemiology*, **2001**, 21, 81-104	2.6	5
22	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. *Genetic Epidemiology*, **2000**, 18, 236-50	2.6	45

21	A single, sequential, genome-wide test to identify simultaneously all promising areas in a linkage scan. *Genetic Epidemiology*, **2000**, 19, 301-22	2.6	18
20	Familial aggregation of amount and distribution of subcutaneous fat and their responses to exercise training in the HERITAGE family study. *Obesity*, **2000**, 8, 140-50		35
19	Evidence of pleiotropic loci for fasting insulin, total fat mass, and abdominal visceral fat in a sedentary population: the HERITAGE family study. *Obesity*, **2000**, 8, 151-9		5
18	Inheritance of the waist-to-hip ratio in the National Heart, Lung, and Blood Institute Family Heart Study. *Obesity*, **2000**, 8, 294-301		9
17	Genomic scan for maximal oxygen uptake and its response to training in the HERITAGE Family Study. *Journal of Applied Physiology*, **2000**, 88, 551-9	3.7	157
16	The impact of marker allele frequency misspecification in variance components quantitative trait locus analysis using sibship data. *Genetic Epidemiology*, **1999**, 17 Suppl 1, S73-7	2.6	3
15	A frailty approach for modelling diseases with variable age of onset in families: the NHLBI Family Heart Study. *Statistics in Medicine*, **1999**, 18, 1517-28	2.3	4
14	Meta-analysis methodology for combining non-parametric sibpair linkage results: genetic homogeneity and identical markers. *Genetic Epidemiology*, **1998**, 15, 609-26	2.6	44
13	Evidence for multiple determinants of the body mass index: the National Heart, Lung, and Blood Institute Family Heart Study. *Obesity*, **1998**, 6, 107-14		51
12	Meta-analysis methodology for combining non-parametric sibpair linkage results: Genetic homogeneity and identical markers **1998**, 15, 609		1
11	Familial resemblance of plasma lipids, lipoproteins and postheparin lipoprotein and hepatic lipases in the HERITAGE Family Study. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1997**, 17, 3263-9	9.4	134
10	Race differences in reproducibilities: The HERITAGE family study. *American Journal of Human Biology*, **1997**, 9, 415-424	2.7	3
9	Family History of Coronary Heart Disease and Hemostatic Variables in Middle-Aged Adults. *Thrombosis and Haemostasis*, **1997**, 77, 087-093	7	23
8	Proliferative rate by S-phase measurement may affect cure of breast carcinoma. *Cancer*, **1995**, 76, 1009-18	6.4	23
7	General purpose model and a computer program for combined segregation and path analysis (SEGPATH): automatically creating computer programs from symbolic language model specifications. *Genetic Epidemiology*, **1995**, 12, 203-19	2.6	74
6	S-phase fraction and nuclear size in long term prognosis of patients with breast cancer. *Cancer*, **1994**, 74, 2287-99	6.4	41
5	Frailty and injuries in later life: the FICSIT trials. *Journal of the American Geriatrics Society*, **1993**, 41, 283-96	5.6	130
4	Family study of alpha 1-antitrypsin deficiency: effects of cigarette smoking, measured genotype, and their interaction on pulmonary function and biochemical traits. *Genetic Epidemiology*, **1992**, 9, 317-31	2.6	34

3	Heterogeneity among populations for familial aggregation of blood pressure. *American Journal of Human Biology*, **1991**, 3, 515-523	2.7	3
2	Heterogeneity in the familial aggregation of fasting serum uric acid level in five North American populations: the Lipid Research Clinics Family Study. *American Journal of Medical Genetics Part A*, **1990**, 36, 219-25		21
1	Clinical investigation in Duchenne muscular dystrophy: IV. Double-blind controlled trial of leucine. *Muscle and Nerve*, **1984**, 7, 535-41	3.4	35