

# Michael A Province

## List of Publications by Year in descending order

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Version: 2024-02-01

113  
papers

8,054  
citations

76326

40  
h-index

62596

80  
g-index

118  
all docs

118  
docs citations

118  
times ranked

14730  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-wide association study identifies 74 loci associated with educational attainment. <i>Nature</i> , 2016, 533, 539-542.	27.8	1,204
2	Genome-wide meta-analysis identifies 11 new loci for anthropometric traits and provides insights into genetic architecture. <i>Nature Genetics</i> , 2013, 45, 501-512.	21.4	578
3	A catalog of genetic loci associated with kidney function from analyses of a million individuals. <i>Nature Genetics</i> , 2019, 51, 957-972.	21.4	549
4	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes. <i>Nature Genetics</i> , 2018, 50, 559-571.	21.4	356
5	The power of genetic diversity in genome-wide association studies of lipids. <i>Nature</i> , 2021, 600, 675-679.	27.8	353
6	The trans-ancestral genomic architecture of glycemic traits. <i>Nature Genetics</i> , 2021, 53, 840-860.	21.4	341
7	Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation. <i>Nature Genetics</i> , 2022, 54, 560-572.	21.4	250
8	Clinical Pharmacogenetics Implementation Consortium (CPIC) Guideline for <i>CYP2D6</i> and Tamoxifen Therapy. <i>Clinical Pharmacology and Therapeutics</i> , 2018, 103, 770-777.	4.7	244
9	A meta-analysis of genome-wide association studies identifies multiple longevity genes. <i>Nature Communications</i> , 2019, 10, 3669.	12.8	214
10	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.	3.5	191
11	Genomic scan for maximal oxygen uptake and its response to training in the HERITAGE Family Study. <i>Journal of Applied Physiology</i> , 2000, 88, 551-559.	2.5	177
12	Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility. <i>Nature Communications</i> , 2015, 6, 5897.	12.8	173
13	Frailty and Injuries in Later Life: The FICSIT Trials. <i>Journal of the American Geriatrics Society</i> , 1993, 41, 283-296.	2.6	164
14	Meta-analysis of gene-environment interaction: joint estimation of SNP and SNP $\times$ environment regression coefficients. <i>Genetic Epidemiology</i> , 2011, 35, 11-18.	1.3	158
15	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, 3263-3269.	2.4	147
16	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.	21.4	112
17	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.	7.1	110
18	Pleiotropic genes for metabolic syndrome and inflammation. <i>Molecular Genetics and Metabolism</i> , 2014, 112, 317-338.	1.1	107

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19	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. <i>American Journal of Human Genetics</i> , 2019, 104, 112-138.	6.2	106
20	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, 203-219.	1.3	100
21	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, 144-147.	2.0	100
22	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.	2.5	94
23	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.	21.4	91
24	Sex-dimorphic genetic effects and novel loci for fasting glucose and insulin variability. <i>Nature Communications</i> , 2021, 12, 24.	12.8	87
25	Multiethnic meta-analysis identifies ancestry-specific and cross-ancestry loci for pulmonary function. <i>Nature Communications</i> , 2018, 9, 2976.	12.8	85
26	Multiancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. <i>American Journal of Epidemiology</i> , 2019, 188, 1033-1054.	3.4	85
27	The NIEHS TaRGET II Consortium and environmental epigenomics. <i>Nature Biotechnology</i> , 2018, 36, 225-227.	17.5	79
28	Evidence for Multiple Determinants of the Body Mass Index: The National Heart, Lung, and Blood Institute Family Heart Study. <i>Obesity</i> , 1998, 6, 107-114.	4.0	64
29	CNV-association meta-analysis in 191,161 European adults reveals new loci associated with anthropometric traits. <i>Nature Communications</i> , 2017, 8, 744.	12.8	64
30	Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. <i>Nature Communications</i> , 2019, 10, 376.	12.8	64
31	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.	12.8	62
32	Heritability of telomere length in a study of long-lived families. <i>Neurobiology of Aging</i> , 2015, 36, 2785-2790.	3.1	61
33	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.	4.7	54
34	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. , 2000, 18, 236-250.		53
35	Meta-analysis methodology for combining non-parametric sibpair linkage results: Genetic homogeneity and identical markers. <i>Genetic Epidemiology</i> , 1998, 15, 609-626.	1.3	52
36	Cytochrome P450 Gene Variants, Race, and Mortality Among Clopidogrel-Treated Patients After Acute Myocardial Infarction. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 277-286.	5.1	50

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37	Family study of $\alpha$ -antitrypsin deficiency: Effects of cigarette smoking, measured genotype, and their interaction on pulmonary function and biochemical traits. <i>Genetic Epidemiology</i> , 1992, 9, 317-331.	1.3	49
38	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.	3.5	49
39	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.	4.7	48
40	Tree-based recursive partitioning methods for subdividing sibpairs into relatively more homogeneous subgroups. <i>Genetic Epidemiology</i> , 2001, 20, 293-306.	1.3	45
41	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.	7.9	44
42	Clinical investigation in duchenne muscular dystrophy: IV. Double. Blind controlled trial of leucine. <i>Muscle and Nerve</i> , 1984, 7, 535-541.	2.2	42
43	S-phase fraction and nuclear size in long term prognosis of patients with breast cancer. <i>Cancer</i> , 1994, 74, 2287-2299.	4.1	42
44	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, 140-150.	4.0	41
45	Insulin Resistance Exacerbates Genetic Predisposition to Nonalcoholic Fatty Liver Disease in Individuals Without Diabetes. <i>Hepatology Communications</i> , 2019, 3, 894-907.	4.3	41
46	Epigenome-wide association study of triglyceride postprandial responses to a high-fat dietary challenge. <i>Journal of Lipid Research</i> , 2016, 57, 2200-2207.	4.2	40
47	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.	3.2	34
48	Genetics of Hypertension and Cardiovascular Disease and Their Interconnected Pathways: Lessons from Large Studies. <i>Current Hypertension Reports</i> , 2011, 13, 46-54.	3.5	33
49	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, 1359-1371.	3.4	33
50	The SCARB1 gene is associated with lipid response to dietary and pharmacological interventions. <i>Journal of Human Genetics</i> , 2008, 53, 709-717.	2.3	32
51	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.	2.9	31
52	Family History of Coronary Heart Disease and Hemostatic Variables in Middle-Aged Adults. <i>Thrombosis and Haemostasis</i> , 1997, 77, 087-093.	3.4	29
53	Proliferative rate by S-phase measurement may affect cure of breast carcinoma. <i>Cancer</i> , 1995, 76, 1009-1018.	4.1	26
54	Genetic Studies of Leptin Concentrations Implicate Leptin in the Regulation of Early Adiposity. <i>Diabetes</i> , 2020, 69, 2806-2818.	0.6	26

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55	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.	3.6	24
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, 219-225.	2.4	22
57	Genome-wide association study identifies common loci influencing circulating glycosylated hemoglobin (HbA1c) levels in non-diabetic subjects: The Long Life Family Study (LLFS). <i>Metabolism: Clinical and Experimental</i> , 2014, 63, 461-468.	3.4	22
58	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, 1163-1171.	1.5	22
59	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.	3.5	22
60	A single, sequential, genome-wide test to identify simultaneously all promising areas in a linkage scan. <i>Genetic Epidemiology</i> , 2000, 19, 301-322.	1.3	21
61	Exome-Derived Adiponectin-Associated Variants Implicate Obesity and Lipid Biology. <i>American Journal of Human Genetics</i> , 2019, 105, 15-28.	6.2	21
62	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.	3.2	20
63	Allele-specific variation at <i>APOE</i> 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.	2.9	20
64	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> , 2022, 77, 717-727.	3.6	20
65	Meta-analysis of exome array data identifies six novel genetic loci for lung function. <i>Wellcome Open Research</i> , 2018, 3, 4.	1.8	19
66	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. <i>Genetic Epidemiology</i> , 2016, 40, 404-415.	1.3	18
67	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.	2.7	17
68	A correlated meta-analysis strategy for data mining "OMIC" scans. <i>Pacific Symposium on Biocomputing</i> , 2013, , 236-46.	0.7	17
69	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.	4.0	15
70	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.	1.6	15
71	Common Genetic Variants on 6q24 Associated With Exceptional Episodic Memory Performance in the Elderly. <i>JAMA Neurology</i> , 2014, 71, 1514.	9.0	14
72	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, 144-153.	1.3	13

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73	VarExp: estimating variance explained by genome-wide GxE summary statistics. <i>Bioinformatics</i> , 2018, 34, 3412-3414.	4.1	13
74	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, 1607-1613.	4.1	12
75	Mechanisms underlying familial aggregation of exceptional health and survival: A three-generation cohort study. <i>Aging Cell</i> , 2020, 19, e13228.	6.7	12
76	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.	3.6	12
77	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 &amp; Intermediary Metabolism</i> , 2017, 8, 1-7.	1.7	11
78	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.	3.6	11
79	Gene-lifestyle interactions in the genomics of human complex traits. <i>European Journal of Human Genetics</i> , 2022, 30, 730-739.	2.8	11
80	Admixture mapping of coronary artery calcification in African Americans from the NHLBI family heart study. <i>BMC Genetics</i> , 2015, 16, 42.	2.7	10
81	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.	4.2	10
82	Obesity Partially Mediates the Diabetogenic Effect of Lowering LDL Cholesterol. <i>Diabetes Care</i> , 2022, 45, 232-240.	8.6	10
83	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.	3.3	9
84	Gene discovery for high-density lipoprotein cholesterol level change over time in prospective family studies. <i>Atherosclerosis</i> , 2020, 297, 102-110.	0.8	9
85	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.	0.7	9
86	A frailty approach for modelling diseases with variable age of onset in families: the NHLBI family heart study. , 1999, 18, 1517-1528.		7
87	A CORRELATED META-ANALYSIS STRATEGY FOR DATA MINING "OMIC" SCANS. , 2012, , .		7
88	Salivary AMY1 Copy Number Variation Modifies Age-Related Type 2 Diabetes Risk. <i>Clinical Chemistry</i> , 2020, 66, 718-726.	3.2	7
89	International Genetic Epidemiology Society: Commentary on Darkness in El Dorado by Patrick Tierney. <i>Genetic Epidemiology</i> , 2001, 21, 81-104.	1.3	6
90	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.	1.8	6

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91	Race differences in reproducibilities: The HERITAGE family study. , 1997, 9, 415-424.		5
92	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, 151-159.	4.0	5
93	How Well Does the Family Longevity Selection Score Work: A Validation Test Using the Utah Population Database. Frontiers in Public Health, 2018, 6, 277.	2.7	5
94	Simulation of a medication and methylation effects on triglycerides in the Genetic Analysis Workshop 20. BMC Proceedings, 2018, 12, 25.	1.6	5
95	Genome-wide linkage analysis of carotid artery traits in exceptionally long-lived families. Atherosclerosis, 2019, 291, 19-26.	0.8	5
96	Genetics and geography of leukocyte telomere length in sub-Saharan Africans. Human Molecular Genetics, 2020, 29, 3014-3020.	2.9	5
97	Identification of Polymorphisms Associated with Susceptibility to Therapy-Related MDS and AML.. Blood, 2007, 110, 15-15.	1.4	5
98	Heterogeneity among populations for familial aggregation of blood pressure. American Journal of Human Biology, 1991, 3, 515-523.	1.6	3
99	The impact of marker allele frequency misspecification in variance components quantitative trait locus analysis using sibship data. Genetic Epidemiology, 1999, 17, S73-S77.	1.3	3
100	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.	3.6	3
101	Genetic Pleiotropy Between Pulmonary Function and Age-Related Traits: The Long Life Family Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2024, 79, .	3.6	3
102	Methods for detecting methylation by SNP interaction in GAW20 simulation. BMC Proceedings, 2018, 12, 37.	1.6	2
103	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.	2.3	2
104	Re: CYP2D6 Genotyping and the Use of Tamoxifen in Breast Cancer. Journal of the National Cancer Institute, 2014, 106, djt379-djt379.	6.3	1
105	Meta-analysis methodology for combining non-parametric sibpair linkage results: Genetic homogeneity and identical markers. Genetic Epidemiology, 1998, 15, 609-626.	1.3	1
106	Searching for the mountains of the moon: Genome scans for atherosclerosis. Current Atherosclerosis Reports, 2002, 4, 169-175.	4.8	0
107	General Framework for Meta-Analysis of Haplotype Association Tests. Genetic Epidemiology, 2016, 40, 244-252.	1.3	0
108	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	0

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109	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	0
110	The Long Life Family Study: Sequencing Exceptional Pedigrees for Rare Protective Variants. <i>Innovation in Aging</i> , 2020, 4, 851-852.	0.1	0
111	Pleiotropic Genes for Pulmonary Function and Aging-Related Traits: The Long Life Family Study (LLFS). <i>Innovation in Aging</i> , 2021, 5, 138-138.	0.1	0
112	Metabolomic Profile Differences Between Demented and Non-Demented APOE4 Carriers in the Long Life Family Study. <i>Innovation in Aging</i> , 2021, 5, 581-581.	0.1	0
113	Linkage Guided Sequence Analysis Revealed a Novel Gene PKD1L2 for Adiponectin: The Long Life Family Study (LLFS). <i>Innovation in Aging</i> , 2021, 5, 580-580.	0.1	0