## Scott M Williams

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Expanding human variation at PLOS Genetics. PLoS Genetics, 2022, 18, e1010070.	3.5	0
2	Liberal-arts education helps scientists think and communicate. Nature, 2022, 603, 578-578.	27.8	2
3	Discovery and fine-mapping of height loci via high-density imputation of GWASs in individuals of African ancestry. American Journal of Human Genetics, 2021, 108, 564-582.	6.2	18
4	Global variation in sequencing impedes SARS-CoV-2 surveillance. PLoS Genetics, 2021, 17, e1009620.	3.5	18
5	Helicobacter pylori infection causes both protective and deleterious effects in human health and disease. Genes and Immunity, 2021, 22, 218-226.	4.1	25
6	Ornithine decarboxylase (ODC1) gene variant (rs2302615) is associated with gastric cancer independently of Helicobacter pylori CagA serostatus. Oncogene, 2021, 40, 5963-5969.	5.9	2
7	Resistance to TST/IGRA conversion in Uganda: Heritability and Genome-Wide Association Study. EBioMedicine, 2021, 74, 103727.	6.1	9
8	Estimating prevalence of human traits among populations from polygenic risk scores. Human Genomics, 2021, 15, 70.	2.9	5
9	Dissecting maternal and fetal genetic effects underlying the associations between maternal phenotypes, birth outcomes, and adult phenotypes: A mendelian-randomization and haplotype-based genetic score analysis in 10,734 mother–infant pairs. PLoS Medicine, 2020, 17, e1003305.	8.4	37
10	CLEC4E (Mincle) genetic variation associates with pulmonary tuberculosis in Guinea-Bissau (West) Tj ETQq0 0 0	rgBT/Ove 2.3	rlock 10 Tf 50
11	Genetics and evolution of tuberculosis pathogenesis: New perspectives and approaches. Infection, Genetics and Evolution, 2020, 81, 104204.	2.3	24
12	Interaction between host genes and Mycobacterium tuberculosis lineage can affect tuberculosis severity: Evidence for coevolution?. PLoS Genetics, 2020, 16, e1008728.	3.5	40
13	A Novel Mapping Strategy Utilizing Mouse Chromosome Substitution Strains Identifies Multiple Epistatic Interactions That Regulate Complex Traits. G3: Genes, Genomes, Genetics, 2020, 10, 4553-4563.	1.8	4

14	A comparison of two workflows for regulome and transcriptomeâ€based prioritization of genetic variants associated with myocardial mass. Genetic Epidemiology, 2019, 43, 717-726.	1.3	1
15	The Missing Diversity in Human Genetic Studies. Cell, 2019, 177, 26-31.	28.9	838
16	The Plight of Muntaser Ibrahim. PLoS Genetics, 2019, 15, e1008100.	3.5	1
17	Testing the assumptions of parametric linear models: the need for biological data mining in disciplines such as human genetics. BioData Mining, 2019, 12, 6,	4.0	3

Evaluating the strength of genetic results: Risks and responsibilities. PLoS Genetics, 2019, 15, e1008437. 3.5 1

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19	Research to achieve a reduction in the global rate of preterm birth needs attention: Preface to the special issue by the preterm Birth International Collaborative (PREBIC). Placenta, 2019, 79, 1-2.	1.5	8
20	Cytochrome P450 epoxygenases and cancer: A genetic and a molecular perspective. , 2019, 196, 183-194.		23
21	The ubiquity of pleiotropy in human disease. Human Genetics, 2018, 137, 39-44.	3.8	81
22	Doubling down on forensic twin studies. PLoS Genetics, 2018, 14, e1007831.	3.5	0
23	Tipping the Scale Towards Gastric Disease: a Host-Pathogen Genomic Mismatch?. Current Genetic Medicine Reports, 2018, 6, 199-207.	1.9	7
24	The premature infant gut microbiome during the first 6 weeks of life differs based on gestational maturity at birth. Pediatric Research, 2018, 84, 71-79.	2.3	101
25	Leveraging epigenomics and contactomics data to investigate SNP pairs in GWAS. Human Genetics, 2018, 137, 413-425.	3.8	8
26	The Cytochrome P450 Slow Metabolizers CYP2C9*2 and CYP2C9*3 Directly Regulate Tumorigenesis via Reduced Epoxyeicosatrienoic Acid Production. Cancer Research, 2018, 78, 4865-4877.	0.9	27
27	Whole exome sequencing reveals HSPA1L as a genetic risk factor for spontaneous preterm birth. PLoS Genetics, 2018, 14, e1007394.	3.5	35
28	HS3ST1 genotype regulates antithrombin's inflammomodulatory tone and associates with atherosclerosis. Matrix Biology, 2017, 63, 69-90.	3.6	19
29	Draft Genome Sequences of 13 Colombian Helicobacter pylori Strains Isolated from Pacific Coast and Andean Residents. Genome Announcements, 2017, 5, .	0.8	1
30	Evolutionary Triangulation to Refine Genetic Association Studies of Spontaneous Preterm Birth. American Journal of Perinatology, 2017, 34, 1041-1047.	1.4	1
31	Evolutionarily derived networks to inform disease pathways. Genetic Epidemiology, 2017, 41, 866-875.	1.3	1
32	Height associated variants demonstrate assortative mating in human populations. Scientific Reports, 2017, 7, 15689.	3.3	15
33	Genomics of Human Pulmonary Tuberculosis: from Genes to Pathways. Current Genetic Medicine Reports, 2017, 5, 149-166.	1.9	30
34	Genetic variation in the eicosanoid pathway is associated with non-small-cell lung cancer (NSCLC) survival. PLoS ONE, 2017, 12, e0180471.	2.5	8
35	Up For A Challenge (U4C): Stimulating innovation in breast cancer genetic epidemiology. PLoS Genetics, 2017, 13, e1006945.	3.5	3
36	Genetic Effects on the Correlation Structure of CVD Risk Factors: Exome-Wide Data From a Ghanaian Population. Global Heart, 2017, 12, 133.	2.3	4

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37	A chromosome 5q31.1 locus associates with tuberculin skin test reactivity in HIV-positive individuals from tuberculosis hyper-endemic regions in east Africa. PLoS Genetics, 2017, 13, e1006710.	3.5	28
38	Widespread epistasis regulates glucose homeostasis and gene expression. PLoS Genetics, 2017, 13, e1007025.	3.5	13
39	GEneSTATION 1.0: a synthetic resource of diverse evolutionary and functional genomic data for studying the evolution of pregnancy-associated tissues and phenotypes. Nucleic Acids Research, 2016, 44, D908-D916.	14.5	6
40	ls Isolated Low High-Density Lipoprotein Cholesterol a Cardiovascular Disease Risk Factor?. Circulation: Cardiovascular Quality and Outcomes, 2016, 9, 206-212.	2.2	71
41	ldentifying significant geneâ€environment interactions using a combination of screening testing and hierarchical false discovery rate control. Genetic Epidemiology, 2016, 40, 544-557.	1.3	20
42	Complex Patterns of Association between Pleiotropy and Transcription Factor Evolution. Genome Biology and Evolution, 2016, 8, 3159-3170.	2.5	17
43	Plasminogen Activator Inhibitorâ€1 and Diagnosis of the Metabolic Syndrome in a West African Population. Journal of the American Heart Association, 2016, 5, .	3.7	21
44	Epigenetic and genetic variation in GATA5 is associated with gastric disease risk. Human Genetics, 2016, 135, 895-906.	3.8	9
45	A Locus at 5q33.3 Confers Resistance to Tuberculosis in Highly Susceptible Individuals. American Journal of Human Genetics, 2016, 98, 514-524.	6.2	78
46	Molecular analyses of circadian gene variants reveal sex-dependent links between depression and clocks. Translational Psychiatry, 2016, 6, e748-e748.	4.8	65
47	Cardiovascular Disease Risk Factors in Ghana during the Rural-to-Urban Transition: A Cross-Sectional Study. PLoS ONE, 2016, 11, e0162753.	2.5	41
48	Using agent-based simulation to understand populatation dynamics and coevolution in host-pathogen relationships. , 2015, , .		0
49	Genetic Variation and Insulin Resistance in Middleâ€Aged Chinese Men. Annals of Human Genetics, 2015, 79, 357-365.	0.8	2
50	A Systems Genetics Approach to Dyslipidemia in Children and Adolescents. OMICS A Journal of Integrative Biology, 2015, 19, 248-259.	2.0	5
51	Meta-analysis of Randomized Controlled Trials of Genotype-Guided vs Standard Dosing of Warfarin. Chest, 2015, 148, 701-710.	0.8	26
52	Sexâ€Specific Parental Effects on Offspring Lipid Levels. Journal of the American Heart Association, 2015, 4, .	3.7	8
53	Pleiotropic Effects of Immune Responses Explain Variation in the Prevalence of Fibroproliferative Diseases. PLoS Genetics, 2015, 11, e1005568.	3.5	17
54	PLOS Genetics Data Sharing Policy: In Pursuit of Functional Utility. PLoS Genetics, 2015, 11, e1005716.	3.5	10

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55	Genetics of Plasminogen Activator Inhibitor-1 (PAI-1) in a Ghanaian Population. PLoS ONE, 2015, 10, e0136379.	2.5	8
56	A Dietary-Wide Association Study (DWAS) of Environmental Metal Exposure in US Children and Adults. PLoS ONE, 2014, 9, e104768.	2.5	43
57	Association between lifestyle-related disorders and visceral fat mass in Japanese males: a hospital based cross-sectional study. Environmental Health and Preventive Medicine, 2014, 19, 429-435.	3.4	1
58	Epiregulin (EREG) and human V-ATPase (TCIRG1): genetic variation, ethnicity and pulmonary tuberculosis susceptibility in Guinea-Bissau and The Gambia. Genes and Immunity, 2014, 15, 370-377.	4.1	11
59	The Association of the Vanin-1 N131S Variant with Blood Pressure Is Mediated by Endoplasmic Reticulum-Associated Degradation and Loss of Function. PLoS Genetics, 2014, 10, e1004641.	3.5	16
60	Genome-Wide Association Study for Circulating Tissue Plasminogen Activator Levels and Functional Follow-Up Implicates Endothelial <i>STXBP5</i> and <i>STX2</i> . Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1093-1101.	2.4	43
61	Disrupted humanââ,¬â€œpathogen co-evolution: a model for disease. Frontiers in Genetics, 2014, 5, 290.	2.3	50
62	A Single Nucleotide Polymorphism in SLC7A5 Is Associated with Gastrointestinal Toxicity after High-Dose Melphalan and Autologous Stem Cell Transplantation for Multiple Myeloma. Biology of Blood and Marrow Transplantation, 2014, 20, 1014-1020.	2.0	20
63	The multiscale backbone of the human phenotype network based on biological pathways. BioData Mining, 2014, 7, 1.	4.0	32
64	Human and <i>Helicobacter pylori</i> coevolution shapes the risk of gastric disease. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1455-1460.	7.1	198
65	Genetic Variation in the Peroxisome Proliferator-Activated Receptor (PPAR) and Peroxisome Proliferator-Activated Receptor Gamma Co-activator 1 (PGC1) Gene Families and Type 2 Diabetes. Annals of Human Genetics, 2014, 78, 23-32.	0.8	26
66	Genome-wide Association Analysis of Blood-Pressure Traits in African-Ancestry Individuals Reveals Common Associated Genes in African and Non-African Populations. American Journal of Human Genetics, 2013, 93, 545-554.	6.2	189
67	A meta-analysis identifies new loci associated with body mass index in individuals of African ancestry. Nature Genetics, 2013, 45, 690-696.	21.4	232
68	An information-gain approach to detecting three-way epistatic interactions in genetic association studies. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, 630-636.	4.4	69
69	Recurrent Tissue-Specific mtDNA Mutations Are Common in Humans. PLoS Genetics, 2013, 9, e1003929.	3.5	130
70	Admixture Mapping in Lupus Identifies Multiple Functional Variants within IFIH1 Associated with Apoptosis, Inflammation, and Autoantibody Production. PLoS Genetics, 2013, 9, e1003222.	3.5	107
71	Preterm Birth Genome Project (PGP) – validation of resources for preterm birth genome-wide studies. Journal of Perinatal Medicine, 2013, 41, 45-9.	1.4	10
72	A Simple and Computationally Efficient Approach to Multifactor Dimensionality Reduction Analysis of Gene-Gene Interactions for Quantitative Traits. PLoS ONE, 2013, 8, e66545.	2.5	82

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73	Guidelines for Genome-Wide Association Studies. PLoS Genetics, 2012, 8, e1002812.	3.5	88
74	HTR1B, ADIPOR1, PPARGC1A, and CYP19A1 and Obesity in a Cohort of Caucasians and African Americans: An Evaluation of Gene-Environment Interactions and Candidate Genes. American Journal of Epidemiology, 2012, 175, 11-21.	3.4	42
75	High Body Mass Index is an Important Risk Factor for the Development of Type 2 Diabetes. Internal Medicine, 2012, 51, 1821-1826.	0.7	47
76	Joint Effect of Genetic and Lifestyle Risk Factors on Type 2 Diabetes Risk among Chinese Men and Women. PLoS ONE, 2012, 7, e49464.	2.5	16
77	Neighborhood socio-economic characteristics, African ancestry, and Helicobacter pylori sero-prevalence. Cancer Causes and Control, 2012, 23, 897-906.	1.8	19
78	Common Variation in Vitamin D Pathway Genes Predicts Circulating 25-Hydroxyvitamin D Levels among African Americans. PLoS ONE, 2011, 6, e28623.	2.5	103
79	Peroxisome Proliferator-Activated Receptor Delta (PPARD) Genetic Variation and Type 2 Diabetes in Middle-Aged Chinese Women. Annals of Human Genetics, 2011, 75, 621-629.	0.8	16
80	<i>ADIPOQ, ADIPOR1</i> , and <i>ADIPOR2</i> Polymorphisms in Relation to Serum Adiponectin Levels and BMI in Black and White Women. Obesity, 2011, 19, 2053-2062.	3.0	39
81	Race, African Ancestry, and Helicobacter pylori Infection in a Low-Income United States Population. Cancer Epidemiology Biomarkers and Prevention, 2011, 20, 826-834.	2.5	76
82	Epistatic Interactions in Genetic Regulation of t-PA and PAI-1 Levels in a Ghanaian Population. PLoS ONE, 2011, 6, e16639.	2.5	4
83	10.1023/A:1003512607608., 2011,,.		Ο
84	Desensitization of vascular response in vivo: contribution of genetic variation in the α2B-adrenergic receptor subtype. Journal of Hypertension, 2010, 28, 278-284.	0.5	23
85	Genetic Diversity of the Fragile X Syndrome Gene ( <i>FMR1</i> ) in a Large Subâ€Saharan West African Population. Annals of Human Genetics, 2010, 74, 316-325.	0.8	14
86	Blood Vitamin D Levels in Relation to Genetic Estimation of African Ancestry. Cancer Epidemiology Biomarkers and Prevention, 2010, 19, 2325-2331.	2.5	56
87	HbS and HbC associate with malaria transmission: Human genetics links to vaccinology?. Vaccine, 2010, 28, 6403.	3.8	Ο
88	AGT M235T Genotype/Anxiety Interaction and Gender in the HyperGEN Study. PLoS ONE, 2010, 5, e13353.	2.5	4
89	Failure to Replicate a Genetic Association May Provide Important Clues About Genetic Architecture. PLoS ONE, 2009, 4, e5639.	2.5	227
90	Genetic Population Structure Analysis in New Hampshire Reveals Eastern European Ancestry. PLoS ONE, 2009, 4, e6928.	2.5	4

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91	Shadows of complexity: what biological networks reveal about epistasis and pleiotropy. BioEssays, 2009, 31, 220-227.	2.5	162
92	Genetic variants of CSNOR and ADRB2 influence response to albuterol in Africanâ€American children with severe asthma. Pediatric Pulmonology, 2009, 44, 649-654.	2.0	61
93	The Genetic Structure and History of Africans and African Americans. Science, 2009, 324, 1035-1044.	12.6	1,267
94	Epistasis and Its Implications for Personal Genetics. American Journal of Human Genetics, 2009, 85, 309-320.	6.2	326
95	Male–female differences in the genetic regulation of t-PA and PAI-1 levels in a Ghanaian population. Human Genetics, 2008, 124, 479-488.	3.8	21
96	Genetic regulation of cervical antiinflammatory cytokine concentrations during pregnancy. American Journal of Obstetrics and Gynecology, 2008, 199, 163.e1-163.e11.	1.3	12
97	β <sub>2</sub> â€Adrenergic Receptor Promoter Haplotype Influences Spirometric Response During an Acute Asthma Exacerbation. Clinical and Translational Science, 2008, 1, 155-161.	3.1	5
98	Calculation and Use of the Hardyâ€Weinberg Model in Association Studies. Current Protocols in Human Genetics, 2008, 57, Unit 1.18.	3.5	33
99	Genetic Differences in Human Circadian Clock Genes among Worldwide Populations. Journal of Biological Rhythms, 2008, 23, 330-340.	2.6	108
100	Cytokine polymorphisms and gastric cancer risk: An evolving view. Cancer Biology and Therapy, 2008, 7, 157-162.	3.4	21
101	Beta-1-adrenoceptor genetic variants and ethnicity independently affect response to beta-blockade. Pharmacogenetics and Genomics, 2008, 18, 895-902.	1.5	48
102	Lumping, splitting and mapping: assessing linkage in different ethnic groups for albuminuria and glomerular filtration rate in the HyperGen study. Nephrology Dialysis Transplantation, 2007, 22, 687-689.	0.7	0
103	Epistatic effects of polymorphisms in genes from the renin-angiotensin, bradykinin, and fibrinolytic systems on plasma t-PA and PAI-1 levels. Genomics, 2007, 89, 362-369.	2.9	30
104	Gender-specific correlations of plasminogen activator inhibitor-1 and tissue plasminogen activator levels with cardiovascular disease-related traits. Journal of Thrombosis and Haemostasis, 2007, 5, 313-320.	3.8	44
105	The effects of polymorphisms in genes from the renin–angiotensin, bradykinin, and fibrinolytic systems on plasma t-PA and PAI-1 levels are dependent on environmental context. Human Genetics, 2007, 122, 275-281.	3.8	16
106	A population-based study in Ghana to investigate inter-individual variation in plasma t-PA and PAI-1. Ethnicity and Disease, 2007, 17, 492-7.	2.3	10
107	Genomics, Nutrition, Obesity, and Diabetes. Journal of Nursing Scholarship, 2006, 38, 11-18.	2.4	11
108	Variations in the α2A-adrenergic receptor gene and their functional effects. Clinical Pharmacology and Therapeutics, 2006, 79, 173-185.	4.7	28

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109	Elevated male European and female African contributions to the genomes of African American individuals. Human Genetics, 2006, 120, 713-722.	3.8	84
110	Single-Nucleotide Polymorphisms for Diagnosis of Salt-Sensitive Hypertension. Clinical Chemistry, 2006, 52, 352-360.	3.2	103
111	Variation in the ??2B-adrenergic receptor gene (ADRA2B) and its relationship to vascular response in vivo. Pharmacogenetics and Genomics, 2005, 15, 407-414.	1.5	31
112	Traversing the conceptual divide between biological and statistical epistasis: systems biology and a more modern synthesis. BioEssays, 2005, 27, 637-646.	2.5	301
113	Endothelial NO Synthase Polymorphisms and Postural Tachycardia Syndrome. Hypertension, 2005, 46, 1103-1110.	2.7	36
114	Reporting of model validation procedures in human studies of genetic interactions. Nutrition, 2004, 20, 69-73.	2.4	24
115	The use of animal models in the study of complex disease: all else is never equal or why do so many human studies fail to replicate animal findings?. BioEssays, 2004, 26, 170-179.	2.5	81
116	Multilocus Analysis of Hypertension: A Hierarchical Approach. Human Heredity, 2004, 57, 28-38.	0.8	146
117	Genetic markers associated with resistance to infectious hematopoietic necrosis in rainbow and steelhead trout (Oncorhynchus mykiss) backcrosses. Aquaculture, 2004, 241, 93-115.	3.5	63
118	A High-Density Admixture Map for Disease Gene Discovery in African Americans. American Journal of Human Genetics, 2004, 74, 1001-1013.	6.2	416
119	Methyl-group dietary intake and risk of breast cancer among African-American women: a case–control study by methylation status of the estrogen receptor alpha genes. Cancer Causes and Control, 2003, 14, 827-836.	1.8	48
120	Ethnic diversity in a critical gene responsible for glutathione synthesis. Free Radical Biology and Medicine, 2003, 34, 72-76.	2.9	19
121	Common single nucleotide polymorphisms in the promoter region of the human factor XI gene. Journal of Thrombosis and Haemostasis, 2003, 1, 1854-1856.	3.8	7
122	5' Flanking Variants of Resistin Are Associated With Obesity. Diabetes, 2002, 51, 1629-1634.	0.6	158
123	New strategies for identifying gene-gene interactions in hypertension. Annals of Medicine, 2002, 34, 88-95.	3.8	377
124	Phylogeny of the tropical tree family Dipterocarpaceae based on nucleotide sequences of the chloroplast RBCL gene. American Journal of Botany, 1999, 86, 1182-1190.	1.7	125
125	Methyl-deficient diets, methylated ER genes and breast cancer: an hypothesized association. , 1998, 9, 615-620.		22
126	Estrogen receptor status of breast cancer: a marker of different stages of tumor or different entities of the disease?. Medical Hypotheses, 1997, 49, 69-75.	1.5	25

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127	High Density of an SAR-Associated Motif Differentiates Heterochromatin From Euchromatin. Journal of Theoretical Biology, 1996, 183, 159-167.	1.7	13
128	Comparative reproductive success of communally breeding burying beetles as assessed by PCR with randomly amplified polymorphic DNA. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 2242-2245.	7.1	66
129	Parentage analysis using RAPD PCR. Nucleic Acids Research, 1992, 20, 5493-5493.	14.5	74
130	Molecular genetic analysis of Drosophila rDNA arrays. Trends in Genetics, 1992, 8, 335-340.	6.7	37
131	Superstructure of the Drosophila ribosomal gene family Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 3156-3160.	7.1	18
132	Chloroplast DNA polymorphisms in lodgepole and jack pines and their hybrids Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 2097-2100.	7.1	409
133	Differences in life history traits between alcohol dehydrogenase genotypes of Drosophila mercatorum: background and maternal genotype effects. Genetica, 1987, 74, 149-153.	1.1	0
134	Sister chromatid exchange and the evolution of rDNA spacer length. Journal of Theoretical Biology, 1985, 116, 625-636.	1.7	25
135	The maintenance of polymorphism owing to differences in developmental time and competition. Genome, 1985, 27, 328-333.	0.7	4
136	On the applicability of game theory to evolution: A response. Journal of Theoretical Biology, 1981, 91, 603-605.	1.7	1