Scott M Williams

List of Publications by Year in Descending Order

125 papers	6,730 citations	39 h-index	80 g-index
140 ext. papers	7,890 ext. citations	6.4 avg, IF	5.79 L-index

#	Paper	IF	Citations
125	Resistance to TST/IGRA conversion in Uganda: Heritability and Genome-Wide Association Study. *EBioMedicine*, **2021**, 74, 103727	8.8	0
124	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	11	7
123	Global variation in sequencing impedes SARS-CoV-2 surveillance. *PLoS Genetics*, **2021**, 17, e1009620	6	11
122	Helicobacter pylori infection causes both protective and deleterious effects in human health and disease. *Genes and Immunity*, **2021**, 22, 218-226	4.4	3
121	Ornithine decarboxylase (ODC1) gene variant (rs2302615) is associated with gastric cancer independently of Helicobacter pylori CagA serostatus. *Oncogene*, **2021**, 40, 5963-5969	9.2	1
120	Estimating prevalence of human traits among populations from polygenic risk scores.. *Human Genomics*, **2021**, 15, 70	6.8	0
119	CLEC4E (Mincle) genetic variation associates with pulmonary tuberculosis in Guinea-Bissau (West Africa). *Infection, Genetics and Evolution*, **2020**, 85, 104560	4.5	2
118	Genetics and evolution of tuberculosis pathogenesis: New perspectives and approaches. *Infection, Genetics and Evolution*, **2020**, 81, 104204	4.5	10
117	Interaction between host genes and Mycobacterium tuberculosis lineage can affect tuberculosis severity: Evidence for coevolution?. *PLoS Genetics*, **2020**, 16, e1008728	6	14
116	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	3.2	2
115	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	11.6	6
114	A comparison of two workflows for regulome and transcriptome-based prioritization of genetic variants associated with myocardial mass. *Genetic Epidemiology*, **2019**, 43, 717-726	2.6	1
113	The Missing Diversity in Human Genetic Studies. *Cell*, **2019**, 177, 26-31	56.2	321
112	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	3.4	3
111	Cytochrome P450 epoxygenases and cancer: A genetic and a molecular perspective. *Pharmacology & Therapeutics*, **2019**, 196, 183-194	13.9	10
110	The ubiquity of pleiotropy in human disease. *Human Genetics*, **2018**, 137, 39-44	6.3	51
109	The Cytochrome P450 Slow Metabolizers CYP2C9*2 and CYP2C9*3 Directly Regulate Tumorigenesis via Reduced Epoxyeicosatrienoic Acid Production. *Cancer Research*, **2018**, 78, 4865-4877	10.1	20

108	Whole exome sequencing reveals HSPA1L as a genetic risk factor for spontaneous preterm birth. *PLoS Genetics*, **2018**, 14, e1007394	6	25
107	Tipping the Scale Toward Gastric Disease: A Host-Pathogen Genomic Mismatch?. *Current Genetic Medicine Reports*, **2018**, 6, 199-207	2.2	5
106	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	3.2	61
105	Leveraging epigenomics and contactomics data to investigate SNP pairs in GWAS. *Human Genetics*, **2018**, 137, 413-425	6.3	7
104	HS3ST1 genotype regulates antithrombin's inflammomodulatory tone and associates with atherosclerosis. *Matrix Biology*, **2017**, 63, 69-90	11.4	8
103	Draft Genome Sequences of 13 Colombian Strains Isolated from Pacific Coast and Andean Residents. *Genome Announcements*, **2017**, 5,		1
102	Evolutionary Triangulation to Refine Genetic Association Studies of Spontaneous Preterm Birth. *American Journal of Perinatology*, **2017**, 34, 1041-1047	3.3	
101	Evolutionarily derived networks to inform disease pathways. *Genetic Epidemiology*, **2017**, 41, 866-875	2.6	1
100	Genetic variation in the eicosanoid pathway is associated with non-small-cell lung cancer (NSCLC) survival. *PLoS ONE*, **2017**, 12, e0180471	3.7	6
99	Height associated variants demonstrate assortative mating in human populations. *Scientific Reports* , **2017**, 7, 15689	4.9	9
98	Genomics of human pulmonary tuberculosis: from genes to pathways. *Current Genetic Medicine Reports*, **2017**, 5, 149-166	2.2	21
97	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	6	19
96	Widespread epistasis regulates glucose homeostasis and gene expression. *PLoS Genetics*, **2017**, 13, e1006925	6	7
95	Genetic Effects on the Correlation Structure of CVD Risk Factors: Exome-Wide Data From a Ghanaian Population. *Global Heart*, **2017**, 12, 133-140	2.9	2
94	Epigenetic and genetic variation in GATA5 is associated with gastric disease risk. *Human Genetics*, **2016**, 135, 895-906	6.3	8
93	A Locus at 5q33.3 Confers Resistance to Tuberculosis in Highly Susceptible Individuals. *American Journal of Human Genetics*, **2016**, 98, 514-524	11	53
92	Molecular analyses of circadian gene variants reveal sex-dependent links between depression and clocks. *Translational Psychiatry*, **2016**, 6, e748	8.6	39
91	Cardiovascular Disease Risk Factors in Ghana during the Rural-to-Urban Transition: A Cross-Sectional Study. *PLoS ONE*, **2016**, 11, e0162753	3.7	30

90	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, D908-16	20.1	6
89	Is Isolated Low High-Density Lipoprotein Cholesterol a Cardiovascular Disease Risk Factor? New Insights From the Framingham Offspring Study. *Circulation: Cardiovascular Quality and Outcomes*, **2016**, 9, 206-212	5.8	53
88	Identifying significant gene-environment interactions using a combination of screening testing and hierarchical false discovery rate control. *Genetic Epidemiology*, **2016**, 40, 544-557	2.6	15
87	Complex Patterns of Association between Pleiotropy and Transcription Factor Evolution. *Genome Biology and Evolution*, **2016**, 8, 3159-3170	3.9	9
86	Plasminogen Activator Inhibitor-1 and Diagnosis of the Metabolic Syndrome in a West African Population. *Journal of the American Heart Association*, **2016**, 5,	6	14
85	A systems genetics approach to dyslipidemia in children and adolescents. *OMICS A Journal of Integrative Biology*, **2015**, 19, 248-59	3.8	4
84	Meta-analysis of Randomized Controlled Trials of Genotype-Guided vs Standard Dosing of Warfarin. *Chest*, **2015**, 148, 701-710	5.3	20
83	Sex-Specific Parental Effects on Offspring Lipid Levels. *Journal of the American Heart Association*, **2015**, 4,	6	5
82	Genetic Variation and Insulin Resistance in Middle-Aged Chinese Men. *Annals of Human Genetics*, **2015**, 79, 357-365	2.2	2
81	Pleiotropic Effects of Immune Responses Explain Variation in the Prevalence of Fibroproliferative Diseases. *PLoS Genetics*, **2015**, 11, e1005568	6	10
80	Genetics of Plasminogen Activator Inhibitor-1 (PAI-1) in a Ghanaian Population. *PLoS ONE*, **2015**, 10, e0136379	3.7	4
79	The multiscale backbone of the human phenotype network based on biological pathways. *BioData Mining*, **2014**, 7, 1	4.3	19
78	Human and Helicobacter pylori coevolution shapes the risk of gastric disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 1455-60	11.5	158
77	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	2.2	22
76	A dietary-wide association study (DWAS) of environmental metal exposure in US children and adults. *PLoS ONE*, **2014**, 9, e104768	3.7	33
75	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, 429-35	4.2	1
74	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, 370-7	4.4	9
73	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	6	14

72	Genome-wide association study for circulating tissue plasminogen activator levels and functional follow-up implicates endothelial STXBP5 and STX2. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2014**, 34, 1093-101	9.4	33
71	Disrupted human-pathogen co-evolution: a model for disease. *Frontiers in Genetics*, **2014**, 5, 290	4.5	39
70	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, 1014-20	4.7	14
69	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, 545-54	11	145
68	A meta-analysis identifies new loci associated with body mass index in individuals of African ancestry. *Nature Genetics*, **2013**, 45, 690-6	36.3	192
67	An information-gain approach to detecting three-way epistatic interactions in genetic association studies. *Journal of the American Medical Informatics Association: JAMIA*, **2013**, 20, 630-6	8.6	55
66	Recurrent tissue-specific mtDNA mutations are common in humans. *PLoS Genetics*, **2013**, 9, e1003929	6	105
65	Admixture mapping in lupus identifies multiple functional variants within IFIH1 associated with apoptosis, inflammation, and autoantibody production. *PLoS Genetics*, **2013**, 9, e1003222	6	87
64	Preterm Birth Genome Project (PGP) -- validation of resources for preterm birth genome-wide studies. *Journal of Perinatal Medicine*, **2013**, 41, 45-9	2.7	9
63	A Simple and Computationally Efficient Approach to Multifactor Dimensionality Reduction Analysis of Gene-Gene Interactions for Quantitative Traits. *PLoS ONE*, **2013**, 8, e66545	3.7	63
62	High body mass index is an important risk factor for the development of type 2 diabetes. *Internal Medicine*, **2012**, 51, 1821-6	1.1	36
61	Joint effect of genetic and lifestyle risk factors on type 2 diabetes risk among Chinese men and women. *PLoS ONE*, **2012**, 7, e49464	3.7	12
60	Neighborhood socio-economic characteristics, African ancestry, and Helicobacter pylori sero-prevalence. *Cancer Causes and Control*, **2012**, 23, 897-906	2.8	13
59	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	3.8	35
58	Common variation in vitamin D pathway genes predicts circulating 25-hydroxyvitamin D Levels among African Americans. *PLoS ONE*, **2011**, 6, e28623	3.7	92
57	Peroxisome proliferator-activated receptor delta (PPARD) genetic variation and type 2 diabetes in middle-aged Chinese women. *Annals of Human Genetics*, **2011**, 75, 621-9	2.2	14
56	ADIPOQ, ADIPOR1, and ADIPOR2 polymorphisms in relation to serum adiponectin levels and BMI in black and white women. *Obesity*, **2011**, 19, 2053-62	8	36
55	Race, African ancestry, and Helicobacter pylori infection in a low-income United States population. *Cancer Epidemiology Biomarkers and Prevention*, **2011**, 20, 826-34	4	61

54	Epistatic interactions in genetic regulation of t-PA and PAI-1 levels in a Ghanaian population. *PLoS ONE*, **2011**, 6, e16639	3.7	4
53	Genetic diversity of the fragile X syndrome gene (FMR1) in a large Sub-Saharan West African population. *Annals of Human Genetics*, **2010**, 74, 316-25	2.2	13
52	Blood vitamin d levels in relation to genetic estimation of African ancestry. *Cancer Epidemiology Biomarkers and Prevention*, **2010**, 19, 2325-31	4	46
51	HbS and HbC associate with malaria transmission: human genetics links to vaccinology?. *Vaccine*, **2010**, 28, 6403	4.1	
50	Desensitization of vascular response in vivo: contribution of genetic variation in the [alpha]2B-adrenergic receptor subtype. *Journal of Hypertension*, **2010**, 28, 278-84	1.9	19
49	AGT M235T genotype/anxiety interaction and gender in the HyperGEN study. *PLoS ONE*, **2010**, 5, e13353	3.7	4
48	Failure to replicate a genetic association may provide important clues about genetic architecture. *PLoS ONE*, **2009**, 4, e5639	3.7	198
47	Genetic population structure analysis in New Hampshire reveals Eastern European ancestry. *PLoS ONE*, **2009**, 4, e6928	3.7	4
46	Shadows of complexity: what biological networks reveal about epistasis and pleiotropy. *BioEssays*, **2009**, 31, 220-7	4.1	117
45	Genetic variants of GSNOR and ADRB2 influence response to albuterol in African-American children with severe asthma. *Pediatric Pulmonology*, **2009**, 44, 649-54	3.5	52
44	The genetic structure and history of Africans and African Americans. *Science*, **2009**, 324, 1035-44	33.3	1042
43	Epistasis and its implications for personal genetics. *American Journal of Human Genetics*, **2009**, 85, 309-20	11	262
42	beta(2)-adrenergic receptor promoter haplotype influences spirometric response during an acute asthma exacerbation. *Clinical and Translational Science*, **2008**, 1, 155-61	4.9	4
41	Calculation and use of the Hardy-Weinberg model in association studies. *Current Protocols in Human Genetics*, **2008**, Chapter 1, Unit 1.18	3.2	26
40	Genetic differences in human circadian clock genes among worldwide populations. *Journal of Biological Rhythms*, **2008**, 23, 330-40	3.2	87
39	Cytokine polymorphisms and gastric cancer risk: an evolving view. *Cancer Biology and Therapy*, **2008**, 7, 157-62	4.6	17
38	Beta-1-adrenoceptor genetic variants and ethnicity independently affect response to beta-blockade. *Pharmacogenetics and Genomics*, **2008**, 18, 895-902	1.9	44
37	Male-female differences in the genetic regulation of t-PA and PAI-1 levels in a Ghanaian population. *Human Genetics*, **2008**, 124, 479-88	6.3	17

36	Genetic regulation of cervical antiinflammatory cytokine concentrations during pregnancy. *American Journal of Obstetrics and Gynecology*, **2008**, 199, 163.e1-163.e11	6.4	10
35	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, 313-20	15.4	36
34	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, 275-81	6.3	12
33	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, 362-9	4.3	27
32	Elevated male European and female African contributions to the genomes of African American individuals. *Human Genetics*, **2007**, 120, 713-22	6.3	66
31	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	1.8	8
30	Single-nucleotide polymorphisms for diagnosis of salt-sensitive hypertension. *Clinical Chemistry*, **2006**, 52, 352-60	5.5	98
29	Genomics, nutrition, obesity, and diabetes. *Journal of Nursing Scholarship*, **2006**, 38, 11-8	3.6	10
28	Variations in the alpha2A-adrenergic receptor gene and their functional effects. *Clinical Pharmacology and Therapeutics*, **2006**, 79, 173-85	6.1	25
27	Variation in the alpha2B-adrenergic receptor gene (ADRA2B) and its relationship to vascular response in vivo. *Pharmacogenetics and Genomics*, **2005**, 15, 407-14	1.9	29
26	Traversing the conceptual divide between biological and statistical epistasis: systems biology and a more modern synthesis. *BioEssays*, **2005**, 27, 637-46	4.1	258
25	Endothelial NO synthase polymorphisms and postural tachycardia syndrome. *Hypertension*, **2005**, 46, 1103-10	8.5	30
24	Reporting of model validation procedures in human studies of genetic interactions. *Nutrition*, **2004**, 20, 69-73	4.8	22
23	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, 170-9	4.1	69
22	Multilocus analysis of hypertension: a hierarchical approach. *Human Heredity*, **2004**, 57, 28-38	1.1	139
21	Genetic markers associated with resistance to infectious hematopoietic necrosis in rainbow and steelhead trout (Oncorhynchus mykiss) backcrosses. *Aquaculture*, **2004**, 241, 93-115	4.4	51
20	A high-density admixture map for disease gene discovery in african americans. *American Journal of Human Genetics*, **2004**, 74, 1001-13	11	379
19	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, 827-36	2.8	45

18	Ethnic diversity in a critical gene responsible for glutathione synthesis. *Free Radical Biology and Medicine*, **2003**, 34, 72-6	7.8	18
17	Common single nucleotide polymorphisms in the promoter region of the human factor XI gene. *Journal of Thrombosis and Haemostasis*, **2003**, 1, 1854-6	15.4	5
16	New strategies for identifying gene-gene interactions in hypertension. *Annals of Medicine*, **2002**, 34, 88-95	3.5	337
15	5Sflanking variants of resistin are associated with obesity. *Diabetes*, **2002**, 51, 1629-34	0.9	129
14	Phylogeny of the tropical tree family Dipterocarpaceae based on nucleotide sequences of the chloroplast RBCL gene. *American Journal of Botany*, **1999**, 86, 1182-1190	2.7	97
13	Methyl-deficient diets, methylated ER genes and breast cancer: an hypothesized association. *Cancer Causes and Control*, **1998**, 9, 615-20	2.8	18
12	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	3.8	22
11	High density of an SAR-associated motif differentiates heterochromatin from euchromatin. *Journal of Theoretical Biology*, **1996**, 183, 159-67	2.3	13
10	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, 2242-5	11.5	56
9	Parentage analysis using RAPD PCR. *Nucleic Acids Research*, **1992**, 20, 5493	20.1	55
8	Molecular genetic analysis of Drosophila rDNA arrays. *Trends in Genetics*, **1992**, 8, 335-40	8.5	33
7	Superstructure of the Drosophila ribosomal gene family. *Proceedings of the National Academy of Sciences of the United States of America*, **1990**, 87, 3156-60	11.5	13
6	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, 2097-100	11.5	352
5	Differences in life history traits between alcohol dehydrogenase genotypes of Drosophila mercatorum: background and maternal genotype effects. *Genetica*, **1987**, 74, 149-53	1.5	
4	Sister chromatid exchange and the evolution of rDNA spacer length. *Journal of Theoretical Biology*, **1985**, 116, 625-36	2.3	23
3	The maintenance of polymorphism owing to differences in developmental time and competition. *Genome*, **1985**, 27, 328-33		4
2	On the applicability of game theory to evolution: a response. *Journal of Theoretical Biology*, **1981**, 91, 603-5	2.3	1
1	Ornithine Decarboxylase (ODC1) gene variant (rs2302615) is associated with gastric cancer independently of Helicobacter pylori CagA serostatus		1