

Scott M Williams

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.

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	The genetic structure and history of Africans and African Americans. <i>Science</i> , 2009 , 324, 1035-44	33.3	1042
124	A high-density admixture map for disease gene discovery in african americans. <i>American Journal of Human Genetics</i> , 2004 , 74, 1001-13	11	379
123	Chloroplast DNA polymorphisms in lodgepole and jack pines and their hybrids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987 , 84, 2097-100	11.5	352
122	New strategies for identifying gene-gene interactions in hypertension. <i>Annals of Medicine</i> , 2002 , 34, 88-95	9.5	337
121	The Missing Diversity in Human Genetic Studies. <i>Cell</i> , 2019 , 177, 26-31	56.2	321
120	Epistasis and its implications for personal genetics. <i>American Journal of Human Genetics</i> , 2009 , 85, 309-20	20.1	262
119	Traversing the conceptual divide between biological and statistical epistasis: systems biology and a more modern synthesis. <i>BioEssays</i> , 2005 , 27, 637-46	4.1	258
118	Failure to replicate a genetic association may provide important clues about genetic architecture. <i>PLoS ONE</i> , 2009 , 4, e5639	3.7	198
117	A meta-analysis identifies new loci associated with body mass index in individuals of African ancestry. <i>Nature Genetics</i> , 2013 , 45, 690-6	36.3	192
116	Human and Helicobacter pylori coevolution shapes the risk of gastric disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 1455-60	11.5	158
115	Genome-wide association analysis of blood-pressure traits in African-ancestry individuals reveals common associated genes in African and non-African populations. <i>American Journal of Human Genetics</i> , 2013 , 93, 545-54	11	145
114	Multilocus analysis of hypertension: a hierarchical approach. <i>Human Heredity</i> , 2004 , 57, 28-38	1.1	139
113	5Sflanking variants of resistin are associated with obesity. <i>Diabetes</i> , 2002 , 51, 1629-34	0.9	129
112	Shadows of complexity: what biological networks reveal about epistasis and pleiotropy. <i>BioEssays</i> , 2009 , 31, 220-7	4.1	117
111	Recurrent tissue-specific mtDNA mutations are common in humans. <i>PLoS Genetics</i> , 2013 , 9, e1003929	6	105
110	Single-nucleotide polymorphisms for diagnosis of salt-sensitive hypertension. <i>Clinical Chemistry</i> , 2006 , 52, 352-60	5.5	98
109	Phylogeny of the tropical tree family Dipterocarpaceae based on nucleotide sequences of the chloroplast RBCL gene. <i>American Journal of Botany</i> , 1999 , 86, 1182-1190	2.7	97

108	Common variation in vitamin D pathway genes predicts circulating 25-hydroxyvitamin D Levels among African Americans. <i>PLoS ONE</i> , 2011 , 6, e28623	3.7	92
107	Admixture mapping in lupus identifies multiple functional variants within IFIH1 associated with apoptosis, inflammation, and autoantibody production. <i>PLoS Genetics</i> , 2013 , 9, e1003222	6	87
106	Genetic differences in human circadian clock genes among worldwide populations. <i>Journal of Biological Rhythms</i> , 2008 , 23, 330-40	3.2	87
105	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?. <i>BioEssays</i> , 2004 , 26, 170-9	4.1	69
104	Elevated male European and female African contributions to the genomes of African American individuals. <i>Human Genetics</i> , 2007 , 120, 713-22	6.3	66
103	A Simple and Computationally Efficient Approach to Multifactor Dimensionality Reduction Analysis of Gene-Gene Interactions for Quantitative Traits. <i>PLoS ONE</i> , 2013 , 8, e66545	3.7	63
102	Race, African ancestry, and Helicobacter pylori infection in a low-income United States population. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2011 , 20, 826-34	4	61
101	The premature infant gut microbiome during the first 6 weeks of life differs based on gestational maturity at birth. <i>Pediatric Research</i> , 2018 , 84, 71-79	3.2	61
100	Comparative reproductive success of communally breeding burying beetles as assessed by PCR with randomly amplified polymorphic DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 2242-5	11.5	56
99	An information-gain approach to detecting three-way epistatic interactions in genetic association studies. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2013 , 20, 630-6	8.6	55
98	Parentage analysis using RAPD PCR. <i>Nucleic Acids Research</i> , 1992 , 20, 5493	20.1	55
97	A Locus at 5q33.3 Confers Resistance to Tuberculosis in Highly Susceptible Individuals. <i>American Journal of Human Genetics</i> , 2016 , 98, 514-524	11	53
96	Is Isolated Low High-Density Lipoprotein Cholesterol a Cardiovascular Disease Risk Factor? New Insights From the Framingham Offspring Study. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2016 , 9, 206-212	5.8	53
95	Genetic variants of GSNOR and ADRB2 influence response to albuterol in African-American children with severe asthma. <i>Pediatric Pulmonology</i> , 2009 , 44, 649-54	3.5	52
94	The ubiquity of pleiotropy in human disease. <i>Human Genetics</i> , 2018 , 137, 39-44	6.3	51
93	Genetic markers associated with resistance to infectious hematopoietic necrosis in rainbow and steelhead trout (<i>Oncorhynchus mykiss</i>) backcrosses. <i>Aquaculture</i> , 2004 , 241, 93-115	4.4	51
92	Blood vitamin d levels in relation to genetic estimation of African ancestry. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2010 , 19, 2325-31	4	46
91	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. <i>Cancer Causes and Control</i> , 2003 , 14, 827-36	2.8	45

90	Beta-1-adrenoceptor genetic variants and ethnicity independently affect response to beta-blockade. <i>Pharmacogenetics and Genomics</i> , 2008 , 18, 895-902	1.9	44
89	Molecular analyses of circadian gene variants reveal sex-dependent links between depression and clocks. <i>Translational Psychiatry</i> , 2016 , 6, e748	8.6	39
88	Disrupted human-pathogen co-evolution: a model for disease. <i>Frontiers in Genetics</i> , 2014 , 5, 290	4.5	39
87	High body mass index is an important risk factor for the development of type 2 diabetes. <i>Internal Medicine</i> , 2012 , 51, 1821-6	1.1	36
86	ADIPOQ, ADIPOR1, and ADIPOR2 polymorphisms in relation to serum adiponectin levels and BMI in black and white women. <i>Obesity</i> , 2011 , 19, 2053-62	8	36
85	Gender-specific correlations of plasminogen activator inhibitor-1 and tissue plasminogen activator levels with cardiovascular disease-related traits. <i>Journal of Thrombosis and Haemostasis</i> , 2007 , 5, 313-20	15.4	36
84	HTR1B, ADIPOR1, PPARGC1A, and CYP19A1 and obesity in a cohort of Caucasians and African Americans: an evaluation of gene-environment interactions and candidate genes. <i>American Journal of Epidemiology</i> , 2012 , 175, 11-21	3.8	35
83	A dietary-wide association study (DWAS) of environmental metal exposure in US children and adults. <i>PLoS ONE</i> , 2014 , 9, e104768	3.7	33
82	Genome-wide association study for circulating tissue plasminogen activator levels and functional follow-up implicates endothelial STXBP5 and STX2. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 1093-101	9.4	33
81	Molecular genetic analysis of Drosophila rDNA arrays. <i>Trends in Genetics</i> , 1992 , 8, 335-40	8.5	33
80	Endothelial NO synthase polymorphisms and postural tachycardia syndrome. <i>Hypertension</i> , 2005 , 46, 1103-10	8.5	30
79	Cardiovascular Disease Risk Factors in Ghana during the Rural-to-Urban Transition: A Cross-Sectional Study. <i>PLoS ONE</i> , 2016 , 11, e0162753	3.7	30
78	Variation in the alpha2B-adrenergic receptor gene (ADRA2B) and its relationship to vascular response in vivo. <i>Pharmacogenetics and Genomics</i> , 2005 , 15, 407-14	1.9	29
77	Epistatic effects of polymorphisms in genes from the renin-angiotensin, bradykinin, and fibrinolytic systems on plasma t-PA and PAI-1 levels. <i>Genomics</i> , 2007 , 89, 362-9	4.3	27
76	Calculation and use of the Hardy-Weinberg model in association studies. <i>Current Protocols in Human Genetics</i> , 2008 , Chapter 1, Unit 1.18	3.2	26
75	Whole exome sequencing reveals HSPA1L as a genetic risk factor for spontaneous preterm birth. <i>PLoS Genetics</i> , 2018 , 14, e1007394	6	25
74	Variations in the alpha2A-adrenergic receptor gene and their functional effects. <i>Clinical Pharmacology and Therapeutics</i> , 2006 , 79, 173-85	6.1	25
73	Sister chromatid exchange and the evolution of rDNA spacer length. <i>Journal of Theoretical Biology</i> , 1985 , 116, 625-36	2.3	23

72	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. <i>Annals of Human Genetics</i> , 2014 , 78, 23-32	2.2	22
71	Estrogen receptor status of breast cancer: a marker of different stages of tumor or different entities of the disease?. <i>Medical Hypotheses</i> , 1997 , 49, 69-75	3.8	22
70	Reporting of model validation procedures in human studies of genetic interactions. <i>Nutrition</i> , 2004 , 20, 69-73	4.8	22
69	Genomics of human pulmonary tuberculosis: from genes to pathways. <i>Current Genetic Medicine Reports</i> , 2017 , 5, 149-166	2.2	21
68	Meta-analysis of Randomized Controlled Trials of Genotype-Guided vs Standard Dosing of Warfarin. <i>Chest</i> , 2015 , 148, 701-710	5.3	20
67	The Cytochrome P450 Slow Metabolizers CYP2C9*2 and CYP2C9*3 Directly Regulate Tumorigenesis via Reduced Epoxyeicosatrienoic Acid Production. <i>Cancer Research</i> , 2018 , 78, 4865-4877	10.1	20
66	The multiscale backbone of the human phenotype network based on biological pathways. <i>BioData Mining</i> , 2014 , 7, 1	4.3	19
65	Desensitization of vascular response in vivo: contribution of genetic variation in the [alpha]2B-adrenergic receptor subtype. <i>Journal of Hypertension</i> , 2010 , 28, 278-84	1.9	19
64	A chromosome 5q31.1 locus associates with tuberculin skin test reactivity in HIV-positive individuals from tuberculosis hyper-endemic regions in east Africa. <i>PLoS Genetics</i> , 2017 , 13, e1006710	6	19
63	Methyl-deficient diets, methylated ER genes and breast cancer: an hypothesized association. <i>Cancer Causes and Control</i> , 1998 , 9, 615-20	2.8	18
62	Ethnic diversity in a critical gene responsible for glutathione synthesis. <i>Free Radical Biology and Medicine</i> , 2003 , 34, 72-6	7.8	18
61	Cytokine polymorphisms and gastric cancer risk: an evolving view. <i>Cancer Biology and Therapy</i> , 2008 , 7, 157-62	4.6	17
60	Male-female differences in the genetic regulation of t-PA and PAI-1 levels in a Ghanaian population. <i>Human Genetics</i> , 2008 , 124, 479-88	6.3	17
59	Identifying significant gene-environment interactions using a combination of screening testing and hierarchical false discovery rate control. <i>Genetic Epidemiology</i> , 2016 , 40, 544-557	2.6	15
58	Interaction between host genes and Mycobacterium tuberculosis lineage can affect tuberculosis severity: Evidence for coevolution?. <i>PLoS Genetics</i> , 2020 , 16, e1008728	6	14
57	The association of the vanin-1 N131S variant with blood pressure is mediated by endoplasmic reticulum-associated degradation and loss of function. <i>PLoS Genetics</i> , 2014 , 10, e1004641	6	14
56	A single nucleotide polymorphism in SLC7A5 is associated with gastrointestinal toxicity after high-dose melphalan and autologous stem cell transplantation for multiple myeloma. <i>Biology of Blood and Marrow Transplantation</i> , 2014 , 20, 1014-20	4.7	14
55	Peroxisome proliferator-activated receptor delta (PPARD) genetic variation and type 2 diabetes in middle-aged Chinese women. <i>Annals of Human Genetics</i> , 2011 , 75, 621-9	2.2	14

54	Plasminogen Activator Inhibitor-1 and Diagnosis of the Metabolic Syndrome in a West African Population. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	14
53	Neighborhood socio-economic characteristics, African ancestry, and Helicobacter pylori sero-prevalence. <i>Cancer Causes and Control</i> , 2012 , 23, 897-906	2.8	13
52	Genetic diversity of the fragile X syndrome gene (FMR1) in a large Sub-Saharan West African population. <i>Annals of Human Genetics</i> , 2010 , 74, 316-25	2.2	13
51	High density of an SAR-associated motif differentiates heterochromatin from euchromatin. <i>Journal of Theoretical Biology</i> , 1996 , 183, 159-67	2.3	13
50	Superstructure of the Drosophila ribosomal gene family. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990 , 87, 3156-60	11.5	13
49	Joint effect of genetic and lifestyle risk factors on type 2 diabetes risk among Chinese men and women. <i>PLoS ONE</i> , 2012 , 7, e49464	3.7	12
48	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. <i>Human Genetics</i> , 2007 , 122, 275-81	6.3	12
47	Global variation in sequencing impedes SARS-CoV-2 surveillance. <i>PLoS Genetics</i> , 2021 , 17, e1009620	6	11
46	Genetics and evolution of tuberculosis pathogenesis: New perspectives and approaches. <i>Infection, Genetics and Evolution</i> , 2020 , 81, 104204	4.5	10
45	Genetic regulation of cervical antiinflammatory cytokine concentrations during pregnancy. <i>American Journal of Obstetrics and Gynecology</i> , 2008 , 199, 163.e1-163.e11	6.4	10
44	Genomics, nutrition, obesity, and diabetes. <i>Journal of Nursing Scholarship</i> , 2006 , 38, 11-8	3.6	10
43	Pleiotropic Effects of Immune Responses Explain Variation in the Prevalence of Fibroproliferative Diseases. <i>PLoS Genetics</i> , 2015 , 11, e1005568	6	10
42	Cytochrome P450 epoxygenases and cancer: A genetic and a molecular perspective. <i>Pharmacology & Therapeutics</i> , 2019 , 196, 183-194	13.9	10
41	Height associated variants demonstrate assortative mating in human populations. <i>Scientific Reports</i> , 2017 , 7, 15689	4.9	9
40	Epiregulin (EREG) and human V-ATPase (TCIRG1): genetic variation, ethnicity and pulmonary tuberculosis susceptibility in Guinea-Bissau and The Gambia. <i>Genes and Immunity</i> , 2014 , 15, 370-7	4.4	9
39	Preterm Birth Genome Project (PGP) -- validation of resources for preterm birth genome-wide studies. <i>Journal of Perinatal Medicine</i> , 2013 , 41, 45-9	2.7	9
38	Complex Patterns of Association between Pleiotropy and Transcription Factor Evolution. <i>Genome Biology and Evolution</i> , 2016 , 8, 3159-3170	3.9	9
37	HS3ST1 genotype regulates antithrombin's inflammomodulatory tone and associates with atherosclerosis. <i>Matrix Biology</i> , 2017 , 63, 69-90	11.4	8

36	Epigenetic and genetic variation in GATA5 is associated with gastric disease risk. <i>Human Genetics</i> , 2016 , 135, 895-906	6.3	8
35	A population-based study in Ghana to investigate inter-individual variation in plasma t-PA and PAI-1. <i>Ethnicity and Disease</i> , 2007 , 17, 492-7	1.8	8
34	Widespread epistasis regulates glucose homeostasis and gene expression. <i>PLoS Genetics</i> , 2017 , 13, e1007025	7	
33	Discovery and fine-mapping of height loci via high-density imputation of GWASs in individuals of African ancestry. <i>American Journal of Human Genetics</i> , 2021 , 108, 564-582	11	7
32	Leveraging epigenomics and contactomics data to investigate SNP pairs in GWAS. <i>Human Genetics</i> , 2018 , 137, 413-425	6.3	7
31	Genetic variation in the eicosanoid pathway is associated with non-small-cell lung cancer (NSCLC) survival. <i>PLoS ONE</i> , 2017 , 12, e0180471	3.7	6
30	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. <i>PLoS Medicine</i> , 2020 , 17, e1003305	11.6	6
29	GENeSTATION 1.0: a synthetic resource of diverse evolutionary and functional genomic data for studying the evolution of pregnancy-associated tissues and phenotypes. <i>Nucleic Acids Research</i> , 2016 , 44, D908-16	20.1	6
28	Sex-Specific Parental Effects on Offspring Lipid Levels. <i>Journal of the American Heart Association</i> , 2015 , 4,	6	5
27	Common single nucleotide polymorphisms in the promoter region of the human factor XI gene. <i>Journal of Thrombosis and Haemostasis</i> , 2003 , 1, 1854-6	15.4	5
26	Tipping the Scale Toward Gastric Disease: A Host-Pathogen Genomic Mismatch?. <i>Current Genetic Medicine Reports</i> , 2018 , 6, 199-207	2.2	5
25	A systems genetics approach to dyslipidemia in children and adolescents. <i>OMICS A Journal of Integrative Biology</i> , 2015 , 19, 248-59	3.8	4
24	Genetic population structure analysis in New Hampshire reveals Eastern European ancestry. <i>PLoS ONE</i> , 2009 , 4, e6928	3.7	4
23	beta(2)-adrenergic receptor promoter haplotype influences spirometric response during an acute asthma exacerbation. <i>Clinical and Translational Science</i> , 2008 , 1, 155-61	4.9	4
22	The maintenance of polymorphism owing to differences in developmental time and competition. <i>Genome</i> , 1985 , 27, 328-33		4
21	AGT M235T genotype/anxiety interaction and gender in the HyperGEN study. <i>PLoS ONE</i> , 2010 , 5, e13353	3.7	4
20	Epistatic interactions in genetic regulation of t-PA and PAI-1 levels in a Ghanaian population. <i>PLoS ONE</i> , 2011 , 6, e16639	3.7	4
19	Genetics of Plasminogen Activator Inhibitor-1 (PAI-1) in a Ghanaian Population. <i>PLoS ONE</i> , 2015 , 10, e0136379	3.7	4

18	Helicobacter pylori infection causes both protective and deleterious effects in human health and disease. <i>Genes and Immunity</i> , 2021 , 22, 218-226	4.4	3
17	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). <i>Placenta</i> , 2019 , 79, 1-2	3.4	3
16	CLEC4E (Mincle) genetic variation associates with pulmonary tuberculosis in Guinea-Bissau (West Africa). <i>Infection, Genetics and Evolution</i> , 2020 , 85, 104560	4.5	2
15	Genetic Variation and Insulin Resistance in Middle-Aged Chinese Men. <i>Annals of Human Genetics</i> , 2015 , 79, 357-365	2.2	2
14	A Novel Mapping Strategy Utilizing Mouse Chromosome Substitution Strains Identifies Multiple Epistatic Interactions That Regulate Complex Traits. <i>G3: Genes, Genomes, Genetics</i> , 2020 , 10, 4553-4563	3.2	2
13	Genetic Effects on the Correlation Structure of CVD Risk Factors: Exome-Wide Data From a Ghanaian Population. <i>Global Heart</i> , 2017 , 12, 133-140	2.9	2
12	Draft Genome Sequences of 13 Colombian Strains Isolated from Pacific Coast and Andean Residents. <i>Genome Announcements</i> , 2017 , 5,		1
11	Evolutionarily derived networks to inform disease pathways. <i>Genetic Epidemiology</i> , 2017 , 41, 866-875	2.6	1
10	A comparison of two workflows for regulome and transcriptome-based prioritization of genetic variants associated with myocardial mass. <i>Genetic Epidemiology</i> , 2019 , 43, 717-726	2.6	1
9	Association between lifestyle-related disorders and visceral fat mass in Japanese males: a hospital based cross-sectional study. <i>Environmental Health and Preventive Medicine</i> , 2014 , 19, 429-35	4.2	1
8	On the applicability of game theory to evolution: a response. <i>Journal of Theoretical Biology</i> , 1981 , 91, 603-5	2.3	1
7	Ornithine Decarboxylase (ODC1) gene variant (rs2302615) is associated with gastric cancer independently of Helicobacter pylori CagA serostatus		1
6	Ornithine decarboxylase (ODC1) gene variant (rs2302615) is associated with gastric cancer independently of Helicobacter pylori CagA serostatus. <i>Oncogene</i> , 2021 , 40, 5963-5969	9.2	1
5	Resistance to TST/IGRA conversion in Uganda: Heritability and Genome-Wide Association Study. <i>EBioMedicine</i> , 2021 , 74, 103727	8.8	0
4	Estimating prevalence of human traits among populations from polygenic risk scores.. <i>Human Genomics</i> , 2021 , 15, 70	6.8	0
3	Evolutionary Triangulation to Refine Genetic Association Studies of Spontaneous Preterm Birth. <i>American Journal of Perinatology</i> , 2017 , 34, 1041-1047	3.3	
2	HbS and HbC associate with malaria transmission: human genetics links to vaccinology?. <i>Vaccine</i> , 2010 , 28, 6403	4.1	
1	Differences in life history traits between alcohol dehydrogenase genotypes of <i>Drosophila mercatorum</i> : background and maternal genotype effects. <i>Genetica</i> , 1987 , 74, 149-53	1.5	

