

W James Gauderman

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.

82 papers	5,655 citations	33 h-index	75 g-index
88 ext. papers	6,819 ext. citations	8.6 avg, IF	5.6 L-index

#	Paper	IF	Citations
82	The effect of air pollution on lung development from 10 to 18 years of age. <i>New England Journal of Medicine</i> , 2004 , 351, 1057-67	59.2	927
81	Effect of exposure to traffic on lung development from 10 to 18 years of age: a cohort study. <i>Lancet, The</i> , 2007 , 369, 571-7	40	521
80	Sample size requirements for matched case-control studies of gene-environment interaction. <i>Statistics in Medicine</i> , 2002 , 21, 35-50	2.3	519
79	Sample size requirements for association studies of gene-gene interaction. <i>American Journal of Epidemiology</i> , 2002 , 155, 478-84	3.8	494
78	Association of improved air quality with lung development in children. <i>New England Journal of Medicine</i> , 2015 , 372, 905-13	59.2	371
77	Association between air pollution and lung function growth in southern California children: results from a second cohort. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002 , 166, 76-84	10.2	257
76	Gene-environment interaction in genome-wide association studies. <i>American Journal of Epidemiology</i> , 2009 , 169, 219-26	3.8	208
75	Discovery of common and rare genetic risk variants for colorectal cancer. <i>Nature Genetics</i> , 2019 , 51, 76-83	36.3	177
74	Testing association between disease and multiple SNPs in a candidate gene. <i>Genetic Epidemiology</i> , 2007 , 31, 383-95	2.6	172
73	Synergistic effect between IL-10 and bcl-2 genotypes in determining susceptibility to systemic lupus erythematosus. <i>Arthritis and Rheumatism</i> , 1998 , 41, 596-602		140
72	Association of aspirin and NSAID use with risk of colorectal cancer according to genetic variants. <i>JAMA - Journal of the American Medical Association</i> , 2015 , 313, 1133-42	27.4	135
71	Candidate gene association analysis for a quantitative trait, using parent-offspring trios. <i>Genetic Epidemiology</i> , 2003 , 25, 327-38	2.6	121
70	Genome-wide association study of colorectal cancer identifies six new susceptibility loci. <i>Nature Communications</i> , 2015 , 6, 7138	17.4	106
69	Genetic ancestry influences asthma susceptibility and lung function among Latinos. <i>Journal of Allergy and Clinical Immunology</i> , 2015 , 135, 228-35	11.5	85
68	Genome-Wide Interaction Analysis of Air Pollution Exposure and Childhood Asthma with Functional Follow-up. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 1373-1383	10.2	71
67	Finding novel genes by testing G x E interactions in a genome-wide association study. <i>Genetic Epidemiology</i> , 2013 , 37, 603-13	2.6	70
66	Novel Common Genetic Susceptibility Loci for Colorectal Cancer. <i>Journal of the National Cancer Institute</i> , 2019 , 111, 146-157	9.7	67

65	Genome-wide diet-gene interaction analyses for risk of colorectal cancer. <i>PLoS Genetics</i> , 2014 , 10, e1004228	42.8	66
64	Association of Changes in Air Quality With Bronchitic Symptoms in Children in California, 1993-2012. <i>JAMA - Journal of the American Medical Association</i> , 2016 , 315, 1491-501	27.4	64
63	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	36.3	59
62	Ethnic-specific associations of rare and low-frequency DNA sequence variants with asthma. <i>Nature Communications</i> , 2015 , 6, 5965	17.4	56
61	Genome-wide association and HLA fine-mapping studies identify risk loci and genetic pathways underlying allergic rhinitis. <i>Nature Genetics</i> , 2018 , 50, 1072-1080	36.3	52
60	Genome-wide interaction studies reveal sex-specific asthma risk alleles. <i>Human Molecular Genetics</i> , 2014 , 23, 5251-9	5.6	50
59	Shift Work, Chronotype, and Melatonin Rhythm in Nurses. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019 , 28, 1177-1186	4	48
58	Trends in childhood leukemia incidence over two decades from 1992 to 2013. <i>International Journal of Cancer</i> , 2017 , 140, 1000-1008	7.5	48
57	Association between the Rfp-Y haplotype and the incidence of Marek's disease in chickens. <i>Immunogenetics</i> , 1996 , 44, 242-5	3.2	45
56	Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. <i>Nature Communications</i> , 2019 , 10, 376	17.4	41
55	Air Pollution and Lung Function in Minority Youth with Asthma in the GALA II (Genes-Environments and Admixture in Latino Americans) and SAGE II (Study of African Americans, Asthma, Genes, and Environments) Studies. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 193, 1271-80	10.2	41
54	Multiancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. <i>American Journal of Epidemiology</i> , 2019 , 188, 1033-1054	3.8	39
53	Gene Expression Profiling in Blood Provides Reproducible Molecular Insights into Asthma Control. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 179-188	10.2	37
52	Rising rates of acute lymphoblastic leukemia in Hispanic children: trends in incidence from 1992 to 2011. <i>Blood</i> , 2015 , 125, 3033-4	2.2	36
51	Censored survival models for genetic epidemiology: a Gibbs sampling approach. <i>Genetic Epidemiology</i> , 1994 , 11, 171-88	2.6	35
50	Analysis of gene-smoking interaction in lung cancer. <i>Genetic Epidemiology</i> , 1997 , 14, 199-214	2.6	33
49	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	3.7	31
48	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	17.4	31

47	Efficient genome-wide association testing of gene-environment interaction in case-parent trios. <i>American Journal of Epidemiology</i> , 2010 , 172, 116-22	3.8	30
46	Longitudinal data analysis in pedigree studies. <i>Genetic Epidemiology</i> , 2003 , 25 Suppl 1, S18-28	2.6	29
45	Genome-wide association study identifies WNT7B as a novel locus for central corneal thickness in Latinos. <i>Human Molecular Genetics</i> , 2016 , 25, 5035-5045	5.6	21
44	An admixture mapping meta-analysis implicates genetic variation at 18q21 with asthma susceptibility in Latinos. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, 957-969	11.5	20
43	Native American ancestry is associated with severe diabetic retinopathy in Latinos 2014 , 55, 6041-5		19
42	Dietary nutrients associated with preservation of lung function in Hispanic and non-Hispanic white smokers from New Mexico. <i>International Journal of COPD</i> , 2017 , 12, 3171-3181	3	19
41	Role of local CpG DNA methylation in mediating the 17q21 asthma susceptibility gasdermin B (GSDMB)/ORMDL sphingolipid biosynthesis regulator 3 (ORMDL3) expression quantitative trait locus. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 141, 2282-2286.e6	11.5	17
40	15q12 variants, sputum gene promoter hypermethylation, and lung cancer risk: a GWAS in smokers. <i>Journal of the National Cancer Institute</i> , 2015 , 107,	9.7	16
39	CYP24A1 variant modifies the association between use of oestrogen plus progestogen therapy and colorectal cancer risk. <i>British Journal of Cancer</i> , 2016 , 114, 221-9	8.7	16
38	A Cross-Sectional Study Examining the Seroprevalence of Severe Acute Respiratory Syndrome Coronavirus 2 Antibodies in a University Student Population. <i>Journal of Adolescent Health</i> , 2020 , 67, 763-768	5.8	15
37	Detecting Gene-Environment Interactions for a Quantitative Trait in a Genome-Wide Association Study. <i>Genetic Epidemiology</i> , 2016 , 40, 394-403	2.6	15
36	An Empirical Comparison of Joint and Stratified Frameworks for Studying G x E Interactions: Systolic Blood Pressure and Smoking in the CHARGE Gene-Lifestyle Interactions Working Group. <i>Genetic Epidemiology</i> , 2016 , 40, 404-15	2.6	15
35	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	5.6	14
34	Age-Related Macular Degeneration and Quality of Life in Latinos: The Los Angeles Latino Eye Study. <i>JAMA Ophthalmology</i> , 2016 , 134, 683-90	3.9	12
33	Traffic-Related Pollutants: Exposure and Health Effects Among Hispanic Children. <i>American Journal of Epidemiology</i> , 2018 , 187, 45-52	3.8	10
32	High-resolution MODIS aerosol retrieval during wildfire events in California for use in exposure assessment. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 11,242-11,255	4.4	10
31	No evidence of gene-calcium interactions from genome-wide analysis of colorectal cancer risk. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2014 , 23, 2971-6	4	9
30	A generalized estimating equations approach to linkage analysis in sibships in relation to multiple markers and exposure factors. <i>Genetic Epidemiology</i> , 1999 , 17 Suppl 1, S737-42	2.6	9

29	Gene Coexpression Networks in Whole Blood Implicate Multiple Interrelated Molecular Pathways in Obesity in People with Asthma. <i>Obesity</i> , 2018 , 26, 1938-1948	8	9
28	Combined segregation and linkage analysis of late-onset Alzheimer's disease in Duke families using Gibbs sampling. <i>Genetic Epidemiology</i> , 1993 , 10, 489-94	2.6	7
27	The Potential Effects of Policy-driven Air Pollution Interventions on Childhood Lung Development. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 201, 438-444	10.2	7
26	Satellite-Derived PM2.5 Composition and Its Differential Effect on Children's Lung Function. <i>Remote Sensing</i> , 2020 , 12, 1028	5	6
25	Joint segregation and linkage analysis of a quantitative trait compared to separate analyses. <i>Genetic Epidemiology</i> , 1997 , 14, 993-8	2.6	6
24	Should we consider gene x environment interaction in the hunt for quantitative trait loci?. <i>Genetic Epidemiology</i> , 2001 , 21 Suppl 1, S831-6	2.6	6
23	Combined linkage and association analysis in pedigrees. <i>Genetic Epidemiology</i> , 2001 , 21 Suppl 1, S358-63	2.6	6
22	Genetic epidemiologic analysis of quantitative phenotypes using Gibbs sampling. <i>Genetic Epidemiology</i> , 1995 , 12, 753-8	2.6	6
21	A joint test of linkage and gene x environment interaction, with affected sib pairs. <i>Genetic Epidemiology</i> , 1999 , 17 Suppl 1, S563-8	2.6	5
20	A bivariate genetic analysis of HDL- and LDL-cholesterol incorporating measured covariates: a Gibbs sampling application. <i>Genetic Epidemiology</i> , 1993 , 10, 623-8	2.6	5
19	Mapping the 17q12-21.1 Locus for Variants Associated with Early-Onset Asthma in African Americans. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 203, 424-436	10.2	5
18	Functional informed genome-wide interaction analysis of body mass index, diabetes and colorectal cancer risk. <i>Cancer Medicine</i> , 2020 , 9, 3563-3573	4.8	4
17	A genome-wide association study on medulloblastoma. <i>Journal of Neuro-Oncology</i> , 2020 , 147, 309-315	4.8	4
16	Dietary Nutrient Intake, Ethnicity, and Epigenetic Silencing of Lung Cancer Genes Detected in Sputum in New Mexican Smokers. <i>Cancer Prevention Research</i> , 2018 , 11, 93-102	3.2	4
15	Gene-educational attainment interactions in a multi-ancestry genome-wide meta-analysis identify novel blood pressure loci. <i>Molecular Psychiatry</i> , 2021 , 26, 2111-2125	15.1	3
14	Multi-ancestry genome-wide gene-sleep interactions identify novel loci for blood pressure. <i>Molecular Psychiatry</i> , 2021 ,	15.1	3
13	Childhood traffic-related air pollution and adverse changes in subclinical atherosclerosis measures from childhood to adulthood. <i>Environmental Health</i> , 2021 , 20, 44	6	3
12	Immune factors preceding diagnosis of glioma: a Prostate Lung Colorectal Ovarian Cancer Screening Trial nested case-control study. <i>Neuro-Oncology Advances</i> , 2019 , 1, vdz031	0.9	2

11	A method for simulating familial disease data with variable age at onset and genetic and environmental effects. <i>Statistics and Computing</i> , 1995 , 5, 237-243	1.8	2
10	Asthma and its relationship to mitochondrial copy number: Results from the Asthma Translational Genomics Collaborative (ATGC) of the Trans-Omics for Precision Medicine (TOPMed) program. <i>PLoS ONE</i> , 2020 , 15, e0242364	3.7	2
9	A Unified Model for the Analysis of Gene-Environment Interaction. <i>American Journal of Epidemiology</i> , 2019 , 188, 760-767	3.8	2
8	Association tests using unaffected-sibling versus pseudo-sibling controls. <i>Genetic Epidemiology</i> , 1999 , 17 Suppl 1, S731-6	2.6	1
7	A two-step approach to testing overall effect of gene-environment interaction for multiple phenotypes. <i>Bioinformatics</i> , 2021 ,	7.2	1
6	Association between the Rfp-Y haplotype and the incidence of Marek's disease in chickens 1996 , 44, 242		1
5	A Scalable Hierarchical Lasso for Gene-Environment Interactions. <i>Journal of Computational and Graphical Statistics</i> , 1-13	1.4	1
4	Hierarchical Bayesian estimation of covariate effects on airway and alveolar nitric oxide. <i>Scientific Reports</i> , 2021 , 11, 17180	4.9	0
3	Beyond GWAS of Colorectal Cancer: Evidence of Interaction with Alcohol Consumption and Putative Causal Variant for the 10q24.2 Region.. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2022 , OF1-OF13	4	0
2	E-Cigarettes, Cigarettes, and the Prevalence of Adolescent Tobacco Use 2017 , 101-110		
1	Meta-Analysis of Hodgkin Lymphoma and Asthma Genome-Wide Association Scans reveals common variants in GATA3. <i>Blood</i> , 2014 , 124, 135-135	2.2	