

W James Gauderman

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

7,589
citations

101543

36
h-index

56724

83
g-index

88
all docs

88
docs citations

88
times ranked

12475
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effect of Air Pollution on Lung Development from 10 to 18 Years of Age. <i>New England Journal of Medicine</i> , 2004, 351, 1057-1067.	27.0	1,131
2	Effect of exposure to traffic on lung development from 10 to 18 years of age: a cohort study. <i>Lancet, The</i> , 2007, 369, 571-577.	13.7	617
3	Sample size requirements for matched case-control studies of gene-environment interaction. <i>Statistics in Medicine</i> , 2002, 21, 35-50.	1.6	583
4	Sample Size Requirements for Association Studies of Gene-Gene Interaction. <i>American Journal of Epidemiology</i> , 2002, 155, 478-484.	3.4	553
5	Association of Improved Air Quality with Lung Development in Children. <i>New England Journal of Medicine</i> , 2015, 372, 905-913.	27.0	522
6	Discovery of common and rare genetic risk variants for colorectal cancer. <i>Nature Genetics</i> , 2019, 51, 76-87.	21.4	377
7	Association between Air Pollution and Lung Function Growth in Southern California Children. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002, 166, 76-84.	5.6	316
8	Gene-Environment Interaction in Genome-Wide Association Studies. <i>American Journal of Epidemiology</i> , 2008, 169, 219-226.	3.4	264
9	Testing association between disease and multiple SNPs in a candidate gene. <i>Genetic Epidemiology</i> , 2007, 31, 383-395.	1.3	193
10	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.	7.4	171
11	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.	6.7	157
12	Genome-wide association study of colorectal cancer identifies six new susceptibility loci. <i>Nature Communications</i> , 2015, 6, 7138.	12.8	138
13	Novel Common Genetic Susceptibility Loci for Colorectal Cancer. <i>Journal of the National Cancer Institute</i> , 2019, 111, 146-157.	6.3	129
14	Candidate gene association analysis for a quantitative trait, using parent-offspring trios. <i>Genetic Epidemiology</i> , 2003, 25, 327-338.	1.3	127
15	Genetic ancestry influences asthma susceptibility and lung function among Latinos. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 135, 228-235.	2.9	113
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	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.	5.6	107
18	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.	21.4	106

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19	Finding Novel Genes by Testing G \times A Interactions in a Genome-Wide Association Study. <i>Genetic Epidemiology</i> , 2013, 37, 603-613.	1.3	100
20	Shift Work, Chronotype, and Melatonin Rhythm in Nurses. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019, 28, 1177-1186.	2.5	96
21	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
22	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.	7.4	85
23	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
24	Genome-Wide Diet-Gene Interaction Analyses for Risk of Colorectal Cancer. <i>PLoS Genetics</i> , 2014, 10, e1004228.	3.5	81
25	Trends in childhood leukemia incidence over two decades from 1992 to 2013. <i>International Journal of Cancer</i> , 2017, 140, 1000-1008.	5.1	77
26	Genome-wide interaction studies reveal sex-specific asthma risk alleles. <i>Human Molecular Genetics</i> , 2014, 23, 5251-5259.	2.9	70
27	Ethnic-specific associations of rare and low-frequency DNA sequence variants with asthma. <i>Nature Communications</i> , 2015, 6, 5965.	12.8	66
28	Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. <i>Nature Communications</i> , 2019, 10, 376.	12.8	64
29	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
30	Association between the Rf-Y haplotype and the incidence of Marek's disease in chickens. <i>Immunogenetics</i> , 1996, 44, 242-245.	2.4	55
31	Air Pollution and Lung Function in Minority Youth with Asthma in the GALA II (Genes \times Environments) T1 Study. <i>Environmental Health Perspectives</i> , 2017, 125, 107-114.	5.6	54
32	Rising rates of acute lymphoblastic leukemia in Hispanic children: trends in incidence from 1992 to 2011. <i>Blood</i> , 2015, 125, 3033-3034.	1.4	53
33	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.	5.6	49
34	Censored survival models for genetic epidemiology: A gibbs sampling approach. <i>Genetic Epidemiology</i> , 1994, 11, 171-188.	1.3	48
35	Analysis of gene-smoking interaction in lung cancer. <i>Genetic Epidemiology</i> , 1997, 14, 199-214.	1.3	40
36	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, Volume 12, 3171-3181.	2.3	40

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37	Efficient Genome-Wide Association Testing of Gene-Environment Interaction in Case-Parent Trios. <i>American Journal of Epidemiology</i> , 2010, 172, 116-122.	3.4	35
38	Detecting Gene-Environment Interactions for a Quantitative Trait in a Genome-Wide Association Study. <i>Genetic Epidemiology</i> , 2016, 40, 394-403.	1.3	34
39	Genome-wide association study identifies WNT7B as a novel locus for central corneal thickness in Latinos. <i>Human Molecular Genetics</i> , 2016, 25, dww319.	2.9	34
40	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.	2.5	34
41	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.	2.9	33
42	Longitudinal data analysis in pedigree studies. <i>Genetic Epidemiology</i> , 2003, 25, S18-S28.	1.3	32
43	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
44	Native American Ancestry Is Associated With Severe Diabetic Retinopathy in Latinos. <i>Diabetes Care</i> , 2014, 55, 6041.		27
45	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.	2.9	20
46	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, 404-415.	1.3	18
47	Age-Related Macular Degeneration and Quality of Life in Latinos. <i>JAMA Ophthalmology</i> , 2016, 134, 683.	2.5	18
48	CYP24A1 variant modifies the association between use of oestrogen plus progestogen therapy and colorectal cancer risk. <i>British Journal of Cancer</i> , 2016, 114, 221-229.	6.4	18
49	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.	5.6	17
50	Gene-educational attainment interactions in a multi-ancestry genome-wide meta-analysis identify novel blood pressure loci. <i>Molecular Psychiatry</i> , 2020, 26, 2111-2125.	7.9	17
51	15q12 Variants, Sputum Gene Promoter Hypermethylation, and Lung Cancer Risk: A GWAS in Smokers. <i>Journal of the National Cancer Institute</i> , 2015, 107, .	6.3	16
52	Traffic-Related Pollutants: Exposure and Health Effects Among Hispanic Children. <i>American Journal of Epidemiology</i> , 2018, 187, 45-52.	3.4	16
53	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.	5.6	16
54	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.	2.5	16

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55	A Unified Model for the Analysis of Gene-Environment Interaction. <i>American Journal of Epidemiology</i> , 2019, 188, 760-767.	3.4	15
56	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.	3.3	14
57	Satellite-Derived PM _{2.5} Composition and Its Differential Effect on Children's Lung Function. <i>Remote Sensing</i> , 2020, 12, 1028.	4.0	13
58	Multi-ancestry genome-wide gene-sleep interactions identify novel loci for blood pressure. <i>Molecular Psychiatry</i> , 2021, 26, 6293-6304.	7.9	13
59	Childhood traffic-related air pollution and adverse changes in subclinical atherosclerosis measures from childhood to adulthood. <i>Environmental Health</i> , 2021, 20, 44.	4.0	13
60	Combined segregation and linkage analysis of late-onset Alzheimer's disease in Duke families using Gibbs sampling. <i>Genetic Epidemiology</i> , 1993, 10, 489-494.	1.3	12
61	Gene Coexpression Networks in Whole Blood Implicate Multiple Interrelated Molecular Pathways in Obesity in People with Asthma. <i>Obesity</i> , 2018, 26, 1938-1948.	3.0	11
62	Gene-lifestyle interactions in the genomics of human complex traits. <i>European Journal of Human Genetics</i> , 2022, 30, 730-739.	2.8	11
63	A generalized estimating equations approach to linkage analysis in sibships in relation to multiple markers and exposure factors. <i>Genetic Epidemiology</i> , 1999, 17, S737-42.	1.3	10
64	A genome-wide association study on medulloblastoma. <i>Journal of Neuro-Oncology</i> , 2020, 147, 309-315.	2.9	10
65	Should We Consider Gene-Environment Interaction in the Hunt for Quantitative Trait Loci?. <i>Genetic Epidemiology</i> , 2001, 21, S831-S836.	1.3	9
66	No Evidence of Gene-Calcium Interactions from Genome-Wide Analysis of Colorectal Cancer Risk. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2014, 23, 2971-2976.	2.5	9
67	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.	1.5	9
68	A joint test of linkage and gene-environment interaction, with affected sib pairs. <i>Genetic Epidemiology</i> , 1999, 17, S563-S568.	1.3	8
69	Genetic epidemiologic analysis of quantitative phenotypes using gibbs sampling. <i>Genetic Epidemiology</i> , 1995, 12, 753-758.	1.3	7
70	Functional informed genome-wide interaction analysis of body mass index, diabetes and colorectal cancer risk. <i>Cancer Medicine</i> , 2020, 9, 3563-3573.	2.8	7
71	Joint segregation and linkage analysis of a quantitative trait compared to separate analyses. <i>Genetic Epidemiology</i> , 1997, 14, 993-998.	1.3	6
72	Combined Linkage and Association Analysis in Pedigrees. <i>Genetic Epidemiology</i> , 2001, 21, S358-S363.	1.3	6

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73	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, 31, 1077-1089.	2.5	6
74	A bivariate genetic analysis of HDL- and LDL-cholesterol incorporating measured covariates: A gibbs sampling application. <i>Genetic Epidemiology</i> , 1993, 10, 623-628.	1.3	5
75	Two-step hypothesis testing to detect gene-environment interactions in a genome-wide scan with a survival endpoint. <i>Statistics in Medicine</i> , 2022, 41, 1644-1657.	1.6	5
76	A two-step approach to testing overall effect of gene-environment interaction for multiple phenotypes. <i>Bioinformatics</i> , 2021, 36, 5640-5648.	4.1	4
77	Hierarchical Bayesian estimation of covariate effects on airway and alveolar nitric oxide. <i>Scientific Reports</i> , 2021, 11, 17180.	3.3	3
78	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.	1.5	2
79	Association tests using unaffected-sibling versus pseudo-sibling controls. <i>Genetic Epidemiology</i> , 1999, 17, S731-S736.	1.3	2
80	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.	0.7	2
81	Multi-ancestry genome-wide association study accounting for gene-psychosocial factor interactions identifies novel loci for blood pressure traits. <i>Human Genetics and Genomics Advances</i> , 2021, 2, 100013.	1.7	2
82	Association between the Rfp-Y haplotype and the incidence of Marek's disease in chickens. <i>Immunogenetics</i> , 1996, 44, 242-245.	2.4	1
83	Meta-Analysis of Hodgkin Lymphoma and Asthma Genome-Wide Association Scans reveals common variants in GATA3. <i>Blood</i> , 2014, 124, 135-135.	1.4	1
84	A Scalable Hierarchical Lasso for Gene-Environment Interactions. <i>Journal of Computational and Graphical Statistics</i> , 2022, 31, 1091-1103.	1.7	1
85	E-Cigarettes, Cigarettes, and the Prevalence of Adolescent Tobacco Use. , 2017, , 101-110.		0
86	OUP accepted manuscript. <i>Journal of the National Cancer Institute</i> , 2022, , .	6.3	0