

Donglei Hu

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

5,447
citations

126907

33
h-index

91884

69
g-index

90
all docs

90
docs citations

90
times ranked

11226
citing authors

#	ARTICLE	IF	CITATIONS
1	Meta-analysis of genome-wide association studies of asthma in ethnically diverse North American populations. <i>Nature Genetics</i> , 2011, 43, 887-892.	21.4	736
2	DNA Methylation in Newborns and Maternal Smoking in Pregnancy: Genome-wide Consortium Meta-analysis. <i>American Journal of Human Genetics</i> , 2016, 98, 680-696.	6.2	717
3	Multi-ancestry genome-wide association study of 21,000 cases and 95,000 controls identifies new risk loci for atopic dermatitis. <i>Nature Genetics</i> , 2015, 47, 1449-1456.	21.4	529
4	Genetic Ancestry in Lung-Function Predictions. <i>New England Journal of Medicine</i> , 2010, 363, 321-330.	27.0	230
5	Sparse PCA corrects for cell type heterogeneity in epigenome-wide association studies. <i>Nature Methods</i> , 2016, 13, 443-445.	19.0	205
6	Differential methylation between ethnic sub-groups reflects the effect of genetic ancestry and environmental exposures. <i>ELife</i> , 2017, 6, .	6.0	153
7	Epigenome-wide meta-analysis of DNA methylation and childhood asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 2062-2074.	2.9	147
8	Breast cancer risk prediction using a clinical risk model and polygenic risk score. <i>Breast Cancer Research and Treatment</i> , 2016, 159, 513-525.	2.5	129
9	Genome-wide association study of breast cancer in Latinas identifies novel protective variants on 6q25. <i>Nature Communications</i> , 2014, 5, 5260.	12.8	123
10	Genome-wide methylation data mirror ancestry information. <i>Epigenetics and Chromatin</i> , 2017, 10, 1.	3.9	120
11	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
12	Genome-wide association study and admixture mapping identify different asthma-associated loci in Latinos: The Genes-environments & Admixture in Latino Americans study. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 134, 295-305.	2.9	106
13	Whole-Genome Sequencing of Pharmacogenetic Drug Response in Racially Diverse Children with Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 1552-1564.	5.6	102
14	Germline genetic contribution to the immune landscape of cancer. <i>Immunity</i> , 2021, 54, 367-386.e8.	14.3	95
15	Multiethnic meta-analysis identifies ancestry-specific and cross-ancestry loci for pulmonary function. <i>Nature Communications</i> , 2018, 9, 2976.	12.8	85
16	The TAM family receptor tyrosine kinase TYRO3 is a negative regulator of type 2 immunity. <i>Science</i> , 2016, 352, 99-103.	12.6	67
17	Serum Insulin-Like Growth Factor-1 Binding Proteins 1 and 2 and Mortality in Older Adults: The Health, Aging, and Body Composition Study. <i>Journal of the American Geriatrics Society</i> , 2009, 57, 1213-1218.	2.6	63
18	Functional genomics of CDHR3 confirms its role in HRV-C infection and childhood asthma exacerbations. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 962-971.	2.9	63

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19	Cis-eQTL-based trans-ethnic meta-analysis reveals novel genes associated with breast cancer risk. <i>PLoS Genetics</i> , 2017, 13, e1006690.	3.5	61
20	Admixture mapping identifies a locus on 6q25 associated with breast cancer risk in US Latinas. <i>Human Molecular Genetics</i> , 2012, 21, 1907-1917.	2.9	60
21	Epigenetic and transcriptional determinants of the human breast. <i>Nature Communications</i> , 2015, 6, 6351.	12.8	56
22	A genome-wide association and admixture mapping study of bronchodilator drug response in African Americans with asthma. <i>Pharmacogenomics Journal</i> , 2019, 19, 249-259.	2.0	54
23	A Polygenic Risk Score for Breast Cancer in US Latinas and Latin American Women. <i>Journal of the National Cancer Institute</i> , 2020, 112, 590-598.	6.3	53
24	Genome-wide association study and admixture mapping reveal new loci associated with total IgE levels in Latinos. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 135, 1502-1510.	2.9	52
25	A meta-analysis of genome-wide association studies of asthma in Puerto Ricans. <i>European Respiratory Journal</i> , 2017, 49, 1601505.	6.7	51
26	Dysregulated invertebrate tropomyosin-dectin-1 interaction confers susceptibility to allergic diseases. <i>Science Immunology</i> , 2018, 3, .	11.9	51
27	Genome-wide association study of lung function phenotypes in a founder population. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 248-255.e10.	2.9	50
28	Genome-wide association study of inhaled corticosteroid response in admixed children with asthma. <i>Clinical and Experimental Allergy</i> , 2019, 49, 789-798.	2.9	50
29	COMT ValMet polymorphism is associated with post-traumatic stress disorder and functional outcome following mild traumatic brain injury. <i>Journal of Clinical Neuroscience</i> , 2017, 35, 109-116.	1.5	43
30	Pathogenic and likely pathogenic variants in <i>PALB2</i> , <i>CHEK2</i> , and other known breast cancer susceptibility genes among 1054 BRCA-negative Hispanics with breast cancer. <i>Cancer</i> , 2019, 125, 2829-2836.	4.1	43
31	Whole-Genome Sequencing of Individuals from a Founder Population Identifies Candidate Genes for Asthma. <i>PLoS ONE</i> , 2014, 9, e104396.	2.5	42
32	On the cross-population generalizability of gene expression prediction models. <i>PLoS Genetics</i> , 2020, 16, e1008927.	3.5	41
33	Immunotherapy-Mediated Thyroid Dysfunction: Genetic Risk and Impact on Outcomes with PD-1 Blockade in Non-Small Cell Lung Cancer. <i>Clinical Cancer Research</i> , 2021, 27, 5131-5140.	7.0	40
34	Genome-wide association study identifies variants at 16p13 associated with survival in multiple myeloma patients. <i>Nature Communications</i> , 2015, 6, 7539.	12.8	38
35	A genome-wide association study identifies only two ancestry specific variants associated with spontaneous preterm birth. <i>Scientific Reports</i> , 2018, 8, 226.	3.3	37
36	Ancestry-Dependent Enrichment of Deleterious Homozygotes in Runs of Homozygosity. <i>American Journal of Human Genetics</i> , 2019, 105, 747-762.	6.2	36

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37	Genetic Investigation Into the Differential Risk of Atrial Fibrillation Among Black and White Individuals. <i>JAMA Cardiology</i> , 2016, 1, 442.	6.1	35
38	COMT Val 158 Met polymorphism is associated with nonverbal cognition following mild traumatic brain injury. <i>Neurogenetics</i> , 2016, 17, 31-41.	1.4	33
39	Correcting for cell-type heterogeneity in DNA methylation: a comprehensive evaluation. <i>Nature Methods</i> , 2017, 14, 218-219.	19.0	33
40	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
41	Meta-analysis of GWA studies provides new insights on the genetic architecture of skin pigmentation in recently admixed populations. <i>BMC Genetics</i> , 2019, 20, 59.	2.7	32
42	Identification of novel common breast cancer risk variants at the 6q25 locus among Latinas. <i>Breast Cancer Research</i> , 2019, 21, 3.	5.0	32
43	Identification of a novel locus associated with skin colour in African-admixed populations. <i>Scientific Reports</i> , 2017, 7, 44548.	3.3	31
44	The Effects of Migration and Assortative Mating on Admixture Linkage Disequilibrium. <i>Genetics</i> , 2017, 205, 375-383.	2.9	31
45	Secondhand smoke exposure and asthma outcomes among African-American and Latino children with asthma. <i>Thorax</i> , 2018, 73, 1041-1048.	5.6	30
46	Human Epidermal Growth Factor Receptor 2 Positive Breast Cancer Is Associated with Indigenous American Ancestry in Latin American Women. <i>Cancer Research</i> , 2020, 80, 1893-1901.	0.9	29
47	Association of imputed prostate cancer transcriptome with disease risk reveals novel mechanisms. <i>Nature Communications</i> , 2019, 10, 3107.	12.8	28
48	Multiple breast cancer risk variants are associated with differential transcript isoform expression in tumors. <i>Human Molecular Genetics</i> , 2015, 24, 7421-7431.	2.9	24
49	DRD2 C957T polymorphism is associated with improved 6-month verbal learning following traumatic brain injury. <i>Neurogenetics</i> , 2017, 18, 29-38.	1.4	24
50	Ancestry and genetic associations with bronchopulmonary dysplasia in preterm infants. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 315, L858-L869.	2.9	24
51	Ambient air pollution, asthma drug response, and telomere length in African American youth. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 839-845.e10.	2.9	24
52	In utero tobacco smoke exposure, DNA methylation, and asthma in Latino children. <i>Environmental Epidemiology</i> , 2019, 3, e048.	3.0	24
53	Cross-ancestry GWAS meta-analysis identifies six breast cancer loci in African and European ancestry women. <i>Nature Communications</i> , 2021, 12, 4198.	12.8	24
54	A genome-wide association study of asthma hospitalizations in adults. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 933-940.	2.9	23

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55	Joint relative risks for estrogen receptor-positive breast cancer from a clinical model, polygenic risk score, and sex hormones. <i>Breast Cancer Research and Treatment</i> , 2017, 166, 603-612.	2.5	22
56	Telomere Length and the Risk of Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014, 7, 1026-1032.	4.8	21
57	Genetic Determinants of Telomere Length in African American Youth. <i>Scientific Reports</i> , 2018, 8, 13265.	3.3	20
58	European genetic ancestry associated with risk of childhood ependymoma. <i>Neuro-Oncology</i> , 2020, 22, 1637-1646.	1.2	16
59	Racial/ethnic differences in eligibility for asthma biologics among pediatric populations. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 148, 1324-1331.e12.	2.9	16
60	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
61	Intrahepatic Cholestasis of Pregnancy (ICP) in U.S. Latinas and Chileans: Clinical features, Ancestry Analysis, and Admixture Mapping. <i>PLoS ONE</i> , 2015, 10, e0131211.	2.5	15
62	A genome-wide association study of severe asthma exacerbations in Latino children and adolescents. <i>European Respiratory Journal</i> , 2021, 57, 2002693.	6.7	15
63	Confounding in Genetic Association Studies and Its Solutions. <i>Methods in Molecular Biology</i> , 2008, 448, 31-39.	0.9	13
64	Racial Differences in Left Atrial Size: Results from the Coronary Artery Risk Development in Young Adults (CARDIA) Study. <i>PLoS ONE</i> , 2016, 11, e0151559.	2.5	13
65	Adapt-Mix: learning local genetic correlation structure improves summary statistics-based analyses. <i>Bioinformatics</i> , 2015, 31, i181-i189.	4.1	12
66	Epigenome-wide association study of lung function in Latino children and youth with asthma. <i>Clinical Epigenetics</i> , 2022, 14, 9.	4.1	12
67	Lung Function in African American Children with Asthma Is Associated with Novel Regulatory Variants of the KIT Ligand <i>KITLG/SCF</i> and Gene-By-Air-Pollution Interaction. <i>Genetics</i> , 2020, 215, 869-886.	2.9	11
68	Whole-Genome Sequencing Identifies Novel Functional Loci Associated with Lung Function in Puerto Rican Youth. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 962-972.	5.6	11
69	NLRP1 variant M1184V decreases inflammasome activation in the context of DPP9 inhibition and asthma severity. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 2134-2145.e20.	2.9	11
70	A genome-wide study of DNA methylation in white blood cells and asthma in Latino children and youth. <i>Epigenetics</i> , 2021, 16, 577-585.	2.7	10
71	Lymph node-resident dendritic cells drive T _H 2 cell development involving MARCH1. <i>Science Immunology</i> , 2021, 6, eabh0707.	11.9	10
72	Pharmacogenetic studies of long-acting beta agonist and inhaled corticosteroid responsiveness in randomised controlled trials of individuals of African descent with asthma. <i>The Lancet Child and Adolescent Health</i> , 2021, 5, 862-872.	5.6	10

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73	Breastfeeding associated with higher lung function in African American youths with asthma. <i>Journal of Asthma</i> , 2017, 54, 856-865.	1.7	7
74	Role of Sex on the Genetic Susceptibility to Childhood Asthma in Latinos and African Americans. <i>Journal of Personalized Medicine</i> , 2021, 11, 1140.	2.5	7
75	Whole Genome Sequencing Identifies CRISPLD2 as a Lung Function Gene in Children With Asthma. <i>Chest</i> , 2019, 156, 1068-1079.	0.8	5
76	Association of a PAI-1 Gene Polymorphism and Early Life Infections with Asthma Risk, Exacerbations, and Reduced Lung Function. <i>PLoS ONE</i> , 2016, 11, e0157848.	2.5	5
77	Integrative genomic analysis in African American children with asthma finds three novel loci associated with lung function. <i>Genetic Epidemiology</i> , 2021, 45, 190-208.	1.3	4
78	Genetic loci determining total immunoglobulin E levels from birth through adulthood. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 621-625.	5.7	2
79	Native American Ancestry and Air Pollution Interact to Impact Bronchodilator Response in Puerto Rican Children with Asthma. <i>Ethnicity and Disease</i> , 2021, 31, 77-88.	2.3	2
80	Association between Ancestry-Specific 6q25 Variants and Breast Cancer Subtypes in Peruvian Women. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 0, , OF1-OF8.	2.5	2
81	Disentangling the impact of alcohol use and hepatitis C on insulin action in Latino individuals. <i>Alcoholism: Clinical and Experimental Research</i> , 2022, 46, 87-99.	2.4	0
82	On the cross-population generalizability of gene expression prediction models. , 2020, 16, e1008927.		0
83	On the cross-population generalizability of gene expression prediction models. , 2020, 16, e1008927.		0
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87	On the cross-population generalizability of gene expression prediction models. , 2020, 16, e1008927.		0