

Rajesh Kumar

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

118
papers

5,530
citations

39
h-index

72
g-index

128
ext. papers

6,748
ext. citations

5.8
avg, IF

5.01
L-index

#	Paper	IF	Citations
118	Nasal airway transcriptome-wide association study of asthma reveals genetically driven mucus pathobiology.. <i>Nature Communications</i> , 2022 , 13, 1632	17.4	2
117	The Precision Interventions for Severe and/or Exacerbation-Prone (PrecISE) Asthma Network: an overview of Network organization, procedures and interventions. <i>Journal of Allergy and Clinical Immunology</i> , 2021 ,	11.5	3
116	Exploration of parent-reported food allergy symptoms via breastmilk exposures and likelihood to develop tolerance. <i>Allergy, Asthma and Clinical Immunology</i> , 2021 , 17, 102	3.2	
115	PrecISE: Precision Medicine in Severe Asthma: An adaptive platform trial with biomarker ascertainment. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 147, 1594-1601	11.5	10
114	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
113	Whole blood transcriptomics identifies gene expression associated with peanut allergy in infants at high risk. <i>Clinical and Experimental Allergy</i> , 2021 , 51, 1396-1400	4.1	0
112	Lung Function in African American Children with Asthma Is Associated with Novel Regulatory Variants of the KIT Ligand and Gene-By-Air-Pollution Interaction. <i>Genetics</i> , 2020 , 215, 869-886	4	3
111	Differential asthma odds following respiratory infection in children from three minority populations. <i>PLoS ONE</i> , 2020 , 15, e0231782	3.7	4
110	Associations of Vitamin D and Tocopherol during early life with lung function in childhood. <i>Journal of Allergy and Clinical Immunology</i> , 2020 , 146, 1349-1357.e3	11.5	5
109	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
108	Type 2 and interferon inflammation strongly regulate SARS-CoV-2 related gene expression in the airway epithelium 2020 ,		30
107	Type 2 and interferon inflammation regulate SARS-CoV-2 entry factor expression in the airway epithelium. <i>Nature Communications</i> , 2020 , 11, 5139	17.4	68
106	Maternal-Fetal Inflammation in the Placenta and the Developmental Origins of Health and Disease. <i>Frontiers in Immunology</i> , 2020 , 11, 531543	8.4	26
105	The precision interventions for severe and/or exacerbation-prone asthma (PrecISE) adaptive platform trial: statistical considerations. <i>Journal of Biopharmaceutical Statistics</i> , 2020 , 30, 1026-1037	1.3	7
104	Adult Life-Course Trajectories of Lung Function and the Development of Emphysema: The CARDIA Lung Study. <i>American Journal of Medicine</i> , 2020 , 133, 222-230.e11	2.4	7
103	Pediatric posttransplantation food allergy experience at a large US tertiary care center. <i>Annals of Allergy, Asthma and Immunology</i> , 2019 , 123, 522-524.e1	3.2	2
102	Genome-wide association study of inhaled corticosteroid response in admixed children with asthma. <i>Clinical and Experimental Allergy</i> , 2019 , 49, 789-798	4.1	32

101	Racial/Ethnic-Specific Differences in the Effects of Inhaled Corticosteroid Use on Bronchodilator Response in Patients With Asthma. <i>Clinical Pharmacology and Therapeutics</i> , 2019 , 106, 1133-1140	6.1	7
100	Acculturation is associated with asthma burden and pulmonary function in Latino youth: The GALA II study. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, 1914-1922	11.5	7
99	Soy isoflavones reduce asthma exacerbation in asthmatic patients with high PAI-1-producing genotypes. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 144, 109-117.e4	11.5	6
98	In utero tobacco smoke exposure, DNA methylation, and asthma in Latino children. <i>Environmental Epidemiology</i> , 2019 , 3, e048	0.2	9
97	Association study in African-admixed populations across the Americas recapitulates asthma risk loci in non-African populations. <i>Nature Communications</i> , 2019 , 10, 880	17.4	36
96	Challenges in assessing the efficacy of systemic corticosteroids for severe wheezing episodes in preschool children. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, 1934-1937.e4	11.5	1
95	Pediatric asthma: Principles and treatment. <i>Allergy and Asthma Proceedings</i> , 2019 , 40, 389-392	2.6	10
94	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	3.5	25
93	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
92	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	10.2	65
91	Genome-wide association study of maternal genetic effects and parent-of-origin effects on food allergy. <i>Medicine (United States)</i> , 2018 , 97, e0043	1.8	13
90	Multiancestry association study identifies new asthma risk loci that colocalize with immune-cell enhancer marks. <i>Nature Genetics</i> , 2018 , 50, 42-53	36.3	246
89	Glutathione and arginine levels: Predictors for acetaminophen-associated asthma exacerbation?. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 142, 308-311.e9	11.5	2
88	Association of food allergy and decreased lung function in children and young adults with asthma. <i>Annals of Allergy, Asthma and Immunology</i> , 2018 , 121, 588-593.e1	3.2	5
87	Secondhand smoke exposure and asthma outcomes among African-American and Latino children with asthma. <i>Thorax</i> , 2018 , 73, 1041-1048	7.3	17
86	Fetal cord blood and tissue immune responses to chronic placental inflammation and chorioamnionitis. <i>Allergy, Asthma and Clinical Immunology</i> , 2018 , 14, 66	3.2	8
85	Dual RNA-seq reveals viral infections in asthmatic children without respiratory illness which are associated with changes in the airway transcriptome. <i>Genome Biology</i> , 2017 , 18, 12	18.3	46
84	PAI-1 gain-of-function genotype, factors increasing PAI-1 levels, and airway obstruction: The GALA II Cohort. <i>Clinical and Experimental Allergy</i> , 2017 , 47, 1150-1158	4.1	2

83	Design of a pragmatic trial in minority children presenting to the emergency department with uncontrolled asthma: The CHICAGO Plan. <i>Contemporary Clinical Trials</i> , 2017 , 57, 10-22	2.3	10
82	Identification of a novel locus associated with skin colour in African-admixed populations. <i>Scientific Reports</i> , 2017 , 7, 44548	4.9	24
81	Breastfeeding associated with higher lung function in African American youths with asthma. <i>Journal of Asthma</i> , 2017 , 54, 856-865	1.9	6
80	Diurnal variations in subcutaneous allergen immunotherapy reactions. <i>Annals of Allergy, Asthma and Immunology</i> , 2017 , 118, 103-107	3.2	7
79	Predictive Properties of the Asthma Control Test and Its Component Questions for Severe Asthma Exacerbations. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2017 , 5, 121-127.e2	5.4	17
78	Differential methylation between ethnic sub-groups reflects the effect of genetic ancestry and environmental exposures. <i>ELife</i> , 2017 , 6,	8.9	93
77	A continuum of admixture in the Western Hemisphere revealed by the African Diaspora genome. <i>Nature Communications</i> , 2016 , 7, 12522	17.4	90
76	Early-life ozone exposure associated with asthma without sensitization in Latino children. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 138, 1703-1706.e1	11.5	14
75	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
74	Relative Importance and Additive Effects of Maternal and Infant Risk Factors on Childhood Asthma. <i>PLoS ONE</i> , 2016 , 11, e0151705	3.7	40
73	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	3.7	5
72	Maternal age and asthma in Latino populations. <i>Clinical and Experimental Allergy</i> , 2016 , 46, 1398-1406	4.1	7
71	Engaging stakeholders to design a comparative effectiveness trial in children with uncontrolled asthma. <i>Journal of Comparative Effectiveness Research</i> , 2016 , 5, 17-30	2.1	17
70	Assessing differences in inhaled corticosteroid response by self-reported race-ethnicity and genetic ancestry among asthmatic subjects. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 137, 1364-1369.e2	11.5	19
69	Epigenome-wide association study links site-specific DNA methylation changes with cow's milk allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 138, 908-911.e9	11.5	37
68	Sensitization to mouse and cockroach allergens and asthma morbidity in urban minority youth: Genes-environments and Admixture in Latino American (GALA-II) and Study of African-Americans, Asthma, Genes, and Environments (SAGE-II). <i>Annals of Allergy, Asthma and Immunology</i> , 2016 , 117, 43-49.e1	3.2	13
67	Genome-wide association study identifies peanut allergy-specific loci and evidence of epigenetic mediation in US children. <i>Nature Communications</i> , 2015 , 6, 6304	17.4	152
66	The Effect of Ancestry and Genetic Variation on Lung Function Predictions: What Is "Normal" Lung Function in Diverse Human Populations?. <i>Current Allergy and Asthma Reports</i> , 2015 , 15, 16	5.6	14

65	Obesity and bronchodilator response in black and Hispanic children and adolescents with asthma. <i>Chest</i> , 2015 , 147, 1591-1598	5.3	60
64	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, 1502-10	11.5	40
63	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
62	Dissecting childhood asthma with nasal transcriptomics distinguishes subphenotypes of disease. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 133, 670-8.e12	11.5	144
61	Genome-wide association analysis identifies six new loci associated with forced vital capacity. <i>Nature Genetics</i> , 2014 , 46, 669-77	36.3	104
60	Maternal obesity in pregnancy, gestational weight gain, and risk of childhood asthma. <i>Pediatrics</i> , 2014 , 134, e535-46	7.4	128
59	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	11.5	84
58	Gene-based association identifies SPATA13-AS1 as a pharmacogenomic predictor of inhaled short-acting beta-agonist response in multiple population groups. <i>Pharmacogenomics Journal</i> , 2014 , 14, 365-71	3.5	27
57	The vitamin E isoforms α -tocopherol and γ -tocopherol have opposite associations with spirometric parameters: the CARDIA study. <i>Respiratory Research</i> , 2014 , 15, 31	7.3	34
56	A genome-wide association study of bronchodilator response in Latinos implicates rare variants. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 133, 370-8	11.5	84
55	Replication and fine mapping of asthma-associated loci in individuals of African ancestry. <i>Human Genetics</i> , 2013 , 132, 1039-47	6.3	10
54	Early-life air pollution and asthma risk in minority children. The GALA II and SAGE II studies. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 188, 309-18	10.2	188
53	Factors associated with degree of atopy in Latino children in a nationwide pediatric sample: the Genes-environments and Admixture in Latino Asthmatics (GALA II) study. <i>Journal of Allergy and Clinical Immunology</i> , 2013 , 132, 896-905.e1	11.5	20
52	Childhood obesity and asthma control in the GALA II and SAGE II studies. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 187, 697-702	10.2	104
51	Socioeconomic status and childhood asthma in urban minority youths. The GALA II and SAGE II studies. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 188, 1202-9	10.2	84
50	Reply: To PMID 22290763. <i>Pediatric Pulmonology</i> , 2013 , 48, 629-30	3.5	
49	Adhesion molecules, endothelin-1 and lung function in seven population-based cohorts. <i>Biomarkers</i> , 2013 , 18, 196-203	2.6	19
48	IgE, but not IgG4, antibodies to Ara h 2 distinguish peanut allergy from asymptomatic peanut sensitization. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2012 , 67, 1538-46	9.3	35

47	Effect of secondhand smoke on asthma control among black and Latino children. <i>Journal of Allergy and Clinical Immunology</i> , 2012 , 129, 1478-83.e7	11.5	54
46	Genetic variation in B cell-activating factor of the TNF family (BAFF) and asthma exacerbations among African American subjects. <i>Journal of Allergy and Clinical Immunology</i> , 2012 , 130, 996-9.e6	11.5	5
45	Further replication studies of the EVE Consortium meta-analysis identifies 2 asthma risk loci in European Americans. <i>Journal of Allergy and Clinical Immunology</i> , 2012 , 130, 1294-301	11.5	27
44	Genetic ancestry and its association with asthma exacerbations among African American subjects with asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2012 , 130, 1302-6	11.5	47
43	African ancestry is associated with asthma risk in African Americans. <i>PLoS ONE</i> , 2012 , 7, e26807	3.7	50
42	Maternal smoking during pregnancy, prematurity and recurrent wheezing in early childhood. <i>Pediatric Pulmonology</i> , 2012 , 47, 666-73	3.5	29
41	African ancestry, early life exposures, and respiratory morbidity in early childhood. <i>Clinical and Experimental Allergy</i> , 2012 , 42, 265-74	4.1	18
40	Genetic ancestry-smoking interactions and lung function in African Americans: a cohort study. <i>PLoS ONE</i> , 2012 , 7, e39541	3.7	25
39	Chapter 10: Pediatric asthma: principles and treatment. <i>Allergy and Asthma Proceedings</i> , 2012 , 33 Suppl 1, 32-35	2.6	2
38	Gene polymorphisms, breast-feeding, and development of food sensitization in early childhood. <i>Journal of Allergy and Clinical Immunology</i> , 2011 , 128, 374-81.e2	11.5	63
37	Quantifying the proportion of severe asthma exacerbations attributable to inhaled corticosteroid nonadherence. <i>Journal of Allergy and Clinical Immunology</i> , 2011 , 128, 1185-1191.e2	11.5	229
36	Gene-vitamin D interactions on food sensitization: a prospective birth cohort study. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2011 , 66, 1442-8	9.3	67
35	Association of elevated plasminogen activator inhibitor 1 levels with diminished lung function in patients with asthma. <i>Annals of Allergy, Asthma and Immunology</i> , 2011 , 106, 371-7	3.2	24
34	Tobacco exposure and asthma morbidity in Puerto Ricans and Mexican Americans. <i>Annals of Allergy, Asthma and Immunology</i> , 2011 , 106, 346-8	3.2	1
33	Race, ancestry, and development of food-allergen sensitization in early childhood. <i>Pediatrics</i> , 2011 , 128, e821-9	7.4	53
32	The prevalence, severity, and distribution of childhood food allergy in the United States. <i>Pediatrics</i> , 2011 , 128, e9-17	7.4	949
31	Early Life Eczema, Food Introduction, and Risk of Food Allergy in Children. <i>Pediatric, Allergy, Immunology, and Pulmonology</i> , 2010 , 23, 175-182	0.8	23
30	Genetic ancestry in lung-function predictions. <i>New England Journal of Medicine</i> , 2010 , 363, 321-30	59.2	182

29	Asthma control, adiposity, and adipokines among inner-city adolescents. <i>Journal of Allergy and Clinical Immunology</i> , 2010 , 125, 584-92	11.5	147
28	Dual-specificity phosphatase 1 as a pharmacogenetic modifier of inhaled steroid response among asthmatic patients. <i>Journal of Allergy and Clinical Immunology</i> , 2010 , 126, 618-25.e1-2	11.5	28
27	Factors predicting inhaled corticosteroid responsiveness in African American patients with asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2010 , 126, 1131-8	11.5	28
26	Does genetic regulation of IgE begin in utero? Evidence from T(H)1/T(H)2 gene polymorphisms and cord blood total IgE. <i>Journal of Allergy and Clinical Immunology</i> , 2010 , 126, 1059-67, 1067.e1	11.5	29
25	Maternal Pre-Pregnancy Obesity and Recurrent Wheezing in Early Childhood. <i>Pediatric, Allergy, Immunology, and Pulmonology</i> , 2010 , 23, 183-190	0.8	35
24	The effect of prenatal and postnatal dietary exposures on childhood development of atopic disease. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2010 , 10, 139-44	3.3	23
23	Differential enzymatic activity of common haplotypic versions of the human acidic Mammalian chitinase protein. <i>Journal of Biological Chemistry</i> , 2009 , 284, 19650-8	5.4	44
22	Familial aggregation of food allergy and sensitization to food allergens: a family-based study. <i>Clinical and Experimental Allergy</i> , 2009 , 39, 101-9	4.1	85
21	Food allergy is associated with an increased risk of asthma. <i>Clinical and Experimental Allergy</i> , 2009 , 39, 261-70	4.1	85
20	The burden of asthma in the Chicago community fifteen years after the availability of national asthma guidelines: the design and initial results from the CHIRAH study. <i>Contemporary Clinical Trials</i> , 2009 , 30, 246-55	2.3	25
19	Adiposity, serum lipid levels, and allergic sensitization in Chinese men and women. <i>Journal of Allergy and Clinical Immunology</i> , 2009 , 123, 940-8.e10	11.5	37
18	Asthma morbidity among inner-city adolescents receiving guidelines-based therapy: role of predictors in the setting of high adherence. <i>Journal of Allergy and Clinical Immunology</i> , 2009 , 124, 213-21, 221.e1	11.5	24
17	Gestational diabetes, atopic dermatitis, and allergen sensitization in early childhood. <i>Journal of Allergy and Clinical Immunology</i> , 2009 , 124, 1031-8.e1-4	11.5	50
16	Cord blood biomarkers of the fetal inflammatory response. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2009 , 22, 379-87	2	51
15	Prematurity, chorioamnionitis, and the development of recurrent wheezing: a prospective birth cohort study. <i>Journal of Allergy and Clinical Immunology</i> , 2008 , 121, 878-84.e6	11.5	105
14	A community-based study of tobacco smoke exposure among inner-city children with asthma in Chicago. <i>Journal of Allergy and Clinical Immunology</i> , 2008 , 122, 754-759.e1	11.5	46
13	An african-specific functional polymorphism in KCNMB1 shows sex-specific association with asthma severity. <i>Human Molecular Genetics</i> , 2008 , 17, 2681-90	5.6	59
12	Prenatal factors and the development of asthma. <i>Current Opinion in Pediatrics</i> , 2008 , 20, 682-7	3.2	72

11	Epidemiology and risk factors for the development of food allergy. <i>Pediatric Annals</i> , 2008 , 37, 552-8	1.3	8
10	Asthma burden in a citywide, diverse sample of elementary schoolchildren in Chicago. <i>Academic Pediatrics</i> , 2007 , 7, 271-7		34
9	Age and gender specific lung function predictive equations provide similar predictions for both a twin population and a general population from age 6 through adolescence. <i>Pediatric Pulmonology</i> , 2007 , 42, 631-9	3.5	12
8	Bronchodilator responses in Chinese children from asthma index families and the general population. <i>Journal of Allergy and Clinical Immunology</i> , 2006 , 117, 1257-63	11.5	16
7	Aspiration during swallowing in typically developing children of the First Nations and Inuit in Canada. <i>Pediatric Pulmonology</i> , 2006 , 41, 912-5	3.5	10
6	Eosinophilic esophagitis in children: A review. <i>Clinical and Applied Immunology Reviews</i> , 2004 , 4, 173-188		3
5	The wheezing infant: diagnosis and treatment. <i>Pediatric Annals</i> , 2003 , 32, 30-6	1.3	
4	Proximal interstitial 6q deletion: A recognizable syndrome. <i>American Journal of Medical Genetics Part A</i> , 1997 , 71, 353-356		17
3	Differential methylation between ethnic sub-groups reflects the effect of genetic ancestry and environmental exposures		3
2	Whole genome sequencing of pharmacogenetic drug response in racially and ethnically diverse children with asthma		3
1	A Genome-wide Association and Admixture Mapping Study of Bronchodilator Drug Response in African Americans with Asthma		1