

# Rajesh Kumar

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3335461/rajesh-kumar-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	The prevalence, severity, and distribution of childhood food allergy in the United States. <i>Pediatrics</i> , <b>2011</b> , 128, e9-17	7.4	949
117	Multiancestry association study identifies new asthma risk loci that colocalize with immune-cell enhancer marks. <i>Nature Genetics</i> , <b>2018</b> , 50, 42-53	36.3	246
116	Quantifying the proportion of severe asthma exacerbations attributable to inhaled corticosteroid nonadherence. <i>Journal of Allergy and Clinical Immunology</i> , <b>2011</b> , 128, 1185-1191.e2	11.5	229
115	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> , <b>2013</b> , 188, 309-18	10.2	188
114	Genetic ancestry in lung-function predictions. <i>New England Journal of Medicine</i> , <b>2010</b> , 363, 321-30	59.2	182
113	Genome-wide association study identifies peanut allergy-specific loci and evidence of epigenetic mediation in US children. <i>Nature Communications</i> , <b>2015</b> , 6, 6304	17.4	152
112	Asthma control, adiposity, and adipokines among inner-city adolescents. <i>Journal of Allergy and Clinical Immunology</i> , <b>2010</b> , 125, 584-92	11.5	147
111	Dissecting childhood asthma with nasal transcriptomics distinguishes subphenotypes of disease. <i>Journal of Allergy and Clinical Immunology</i> , <b>2014</b> , 133, 670-8.e12	11.5	144
110	Maternal obesity in pregnancy, gestational weight gain, and risk of childhood asthma. <i>Pediatrics</i> , <b>2014</b> , 134, e535-46	7.4	128
109	Prematurity, chorioamnionitis, and the development of recurrent wheezing: a prospective birth cohort study. <i>Journal of Allergy and Clinical Immunology</i> , <b>2008</b> , 121, 878-84.e6	11.5	105
108	Genome-wide association analysis identifies six new loci associated with forced vital capacity. <i>Nature Genetics</i> , <b>2014</b> , 46, 669-77	36.3	104
107	Childhood obesity and asthma control in the GALA II and SAGE II studies. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2013</b> , 187, 697-702	10.2	104
106	Differential methylation between ethnic sub-groups reflects the effect of genetic ancestry and environmental exposures. <i>ELife</i> , <b>2017</b> , 6,	8.9	93
105	A continuum of admixture in the Western Hemisphere revealed by the African Diaspora genome. <i>Nature Communications</i> , <b>2016</b> , 7, 12522	17.4	90
104	Genetic ancestry influences asthma susceptibility and lung function among Latinos. <i>Journal of Allergy and Clinical Immunology</i> , <b>2015</b> , 135, 228-35	11.5	85
103	Familial aggregation of food allergy and sensitization to food allergens: a family-based study. <i>Clinical and Experimental Allergy</i> , <b>2009</b> , 39, 101-9	4.1	85
102	Food allergy is associated with an increased risk of asthma. <i>Clinical and Experimental Allergy</i> , <b>2009</b> , 39, 261-70	4.1	85

101	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> , <b>2014</b> , 134, 295-305	11.5	84
100	A genome-wide association study of bronchodilator response in Latinos implicates rare variants. <i>Journal of Allergy and Clinical Immunology</i> , <b>2014</b> , 133, 370-8	11.5	84
99	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> , <b>2013</b> , 188, 1202-9	10.2	84
98	Prenatal factors and the development of asthma. <i>Current Opinion in Pediatrics</i> , <b>2008</b> , 20, 682-7	3.2	72
97	Type 2 and interferon inflammation regulate SARS-CoV-2 entry factor expression in the airway epithelium. <i>Nature Communications</i> , <b>2020</b> , 11, 5139	17.4	68
96	Gene-vitamin D interactions on food sensitization: a prospective birth cohort study. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2011</b> , 66, 1442-8	9.3	67
95	Whole-Genome Sequencing of Pharmacogenetic Drug Response in Racially Diverse Children with Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2018</b> , 197, 1552-1564	10.2	65
94	Gene polymorphisms, breast-feeding, and development of food sensitization in early childhood. <i>Journal of Allergy and Clinical Immunology</i> , <b>2011</b> , 128, 374-81.e2	11.5	63
93	Obesity and bronchodilator response in black and Hispanic children and adolescents with asthma. <i>Chest</i> , <b>2015</b> , 147, 1591-1598	5.3	60
92	An african-specific functional polymorphism in KCNMB1 shows sex-specific association with asthma severity. <i>Human Molecular Genetics</i> , <b>2008</b> , 17, 2681-90	5.6	59
91	Effect of secondhand smoke on asthma control among black and Latino children. <i>Journal of Allergy and Clinical Immunology</i> , <b>2012</b> , 129, 1478-83.e7	11.5	54
90	Race, ancestry, and development of food-allergen sensitization in early childhood. <i>Pediatrics</i> , <b>2011</b> , 128, e821-9	7.4	53
89	Cord blood biomarkers of the fetal inflammatory response. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , <b>2009</b> , 22, 379-87	2	51
88	African ancestry is associated with asthma risk in African Americans. <i>PLoS ONE</i> , <b>2012</b> , 7, e26807	3.7	50
87	Gestational diabetes, atopic dermatitis, and allergen sensitization in early childhood. <i>Journal of Allergy and Clinical Immunology</i> , <b>2009</b> , 124, 1031-8.e1-4	11.5	50
86	Genetic ancestry and its association with asthma exacerbations among African American subjects with asthma. <i>Journal of Allergy and Clinical Immunology</i> , <b>2012</b> , 130, 1302-6	11.5	47
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> , <b>2017</b> , 18, 12	18.3	46
84	A community-based study of tobacco smoke exposure among inner-city children with asthma in Chicago. <i>Journal of Allergy and Clinical Immunology</i> , <b>2008</b> , 122, 754-759.e1	11.5	46

83	Differential enzymatic activity of common haplotypic versions of the human acidic Mammalian chitinase protein. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 19650-8	5.4	44
82	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> , <b>2016</b> , 193, 1271-80	10.2	41
81	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> , <b>2015</b> , 135, 1502-10	11.5	40
80	Relative Importance and Additive Effects of Maternal and Infant Risk Factors on Childhood Asthma. <i>PLoS ONE</i> , <b>2016</b> , 11, e0151705	3.7	40
79	Adiposity, serum lipid levels, and allergic sensitization in Chinese men and women. <i>Journal of Allergy and Clinical Immunology</i> , <b>2009</b> , 123, 940-8.e10	11.5	37
78	Epigenome-wide association study links site-specific DNA methylation changes with cow milk allergy. <i>Journal of Allergy and Clinical Immunology</i> , <b>2016</b> , 138, 908-911.e9	11.5	37
77	Association study in African-admixed populations across the Americas recapitulates asthma risk loci in non-African populations. <i>Nature Communications</i> , <b>2019</b> , 10, 880	17.4	36
76	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> , <b>2012</b> , 67, 1538-46	9.3	35
75	Maternal Pre-Pregnancy Obesity and Recurrent Wheezing in Early Childhood. <i>Pediatric, Allergy, Immunology, and Pulmonology</i> , <b>2010</b> , 23, 183-190	0.8	35
74	The vitamin E isoforms $\alpha$ -tocopherol and $\gamma$ -tocopherol have opposite associations with spirometric parameters: the CARDIA study. <i>Respiratory Research</i> , <b>2014</b> , 15, 31	7.3	34
73	Asthma burden in a citywide, diverse sample of elementary schoolchildren in Chicago. <i>Academic Pediatrics</i> , <b>2007</b> , 7, 271-7		34
72	Genome-wide association study of inhaled corticosteroid response in admixed children with asthma. <i>Clinical and Experimental Allergy</i> , <b>2019</b> , 49, 789-798	4.1	32
71	Type 2 and interferon inflammation strongly regulate SARS-CoV-2 related gene expression in the airway epithelium <b>2020</b> ,		30
70	Maternal smoking during pregnancy, prematurity and recurrent wheezing in early childhood. <i>Pediatric Pulmonology</i> , <b>2012</b> , 47, 666-73	3.5	29
69	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> , <b>2010</b> , 126, 1059-67, 1067.e1	11.5	29
68	Dual-specificity phosphatase 1 as a pharmacogenetic modifier of inhaled steroid response among asthmatic patients. <i>Journal of Allergy and Clinical Immunology</i> , <b>2010</b> , 126, 618-25.e1-2	11.5	28
67	Factors predicting inhaled corticosteroid responsiveness in African American patients with asthma. <i>Journal of Allergy and Clinical Immunology</i> , <b>2010</b> , 126, 1131-8	11.5	28
66	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> , <b>2014</b> , 14, 365-71	3.5	27

65	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> , <b>2012</b> , 130, 1294-301	11.5	27
64	Maternal-Fetal Inflammation in the Placenta and the Developmental Origins of Health and Disease. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 531543	8.4	26
63	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> , <b>2009</b> , 30, 246-55	2.3	25
62	Genetic ancestry-smoking interactions and lung function in African Americans: a cohort study. <i>PLoS ONE</i> , <b>2012</b> , 7, e39541	3.7	25
61	A genome-wide association and admixture mapping study of bronchodilator drug response in African Americans with asthma. <i>Pharmacogenomics Journal</i> , <b>2019</b> , 19, 249-259	3.5	25
60	Identification of a novel locus associated with skin colour in African-admixed populations. <i>Scientific Reports</i> , <b>2017</b> , 7, 44548	4.9	24
59	Association of elevated plasminogen activator inhibitor 1 levels with diminished lung function in patients with asthma. <i>Annals of Allergy, Asthma and Immunology</i> , <b>2011</b> , 106, 371-7	3.2	24
58	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> , <b>2009</b> , 124, 213-21, 221.e1	11.5	24
57	Early Life Eczema, Food Introduction, and Risk of Food Allergy in Children. <i>Pediatric, Allergy, Immunology, and Pulmonology</i> , <b>2010</b> , 23, 175-182	0.8	23
56	The effect of prenatal and postnatal dietary exposures on childhood development of atopic disease. <i>Current Opinion in Allergy and Clinical Immunology</i> , <b>2010</b> , 10, 139-44	3.3	23
55	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> , <b>2013</b> , 132, 896-905.e1	11.5	20
54	An admixture mapping meta-analysis implicates genetic variation at 18q21 with asthma susceptibility in Latinos. <i>Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 143, 957-969	11.5	20
53	Adhesion molecules, endothelin-1 and lung function in seven population-based cohorts. <i>Biomarkers</i> , <b>2013</b> , 18, 196-203	2.6	19
52	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> , <b>2016</b> , 137, 1364-1369.e2	11.5	19
51	African ancestry, early life exposures, and respiratory morbidity in early childhood. <i>Clinical and Experimental Allergy</i> , <b>2012</b> , 42, 265-74	4.1	18
50	Secondhand smoke exposure and asthma outcomes among African-American and Latino children with asthma. <i>Thorax</i> , <b>2018</b> , 73, 1041-1048	7.3	17
49	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> , <b>2017</b> , 5, 121-127.e2	5.4	17
48	Proximal interstitial 6q deletion: A recognizable syndrome. <i>American Journal of Medical Genetics Part A</i> , <b>1997</b> , 71, 353-356		17

47	Engaging stakeholders to design a comparative effectiveness trial in children with uncontrolled asthma. <i>Journal of Comparative Effectiveness Research</i> , <b>2016</b> , 5, 17-30	2.1	17
46	Bronchodilator responses in Chinese children from asthma index families and the general population. <i>Journal of Allergy and Clinical Immunology</i> , <b>2006</b> , 117, 1257-63	11.5	16
45	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> , <b>2015</b> , 15, 16	5.6	14
44	Early-life ozone exposure associated with asthma without sensitization in Latino children. <i>Journal of Allergy and Clinical Immunology</i> , <b>2016</b> , 138, 1703-1706.e1	11.5	14
43	Genome-wide association study of maternal genetic effects and parent-of-origin effects on food allergy. <i>Medicine (United States)</i> , <b>2018</b> , 97, e0043	1.8	13
42	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> , <b>2016</b> , 117, 43-49.e1	3.2	13
41	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> , <b>2007</b> , 42, 631-9	3.5	12
40	Design of a pragmatic trial in minority children presenting to the emergency department with uncontrolled asthma: The CHICAGO Plan. <i>Contemporary Clinical Trials</i> , <b>2017</b> , 57, 10-22	2.3	10
39	Replication and fine mapping of asthma-associated loci in individuals of African ancestry. <i>Human Genetics</i> , <b>2013</b> , 132, 1039-47	6.3	10
38	Aspiration during swallowing in typically developing children of the First Nations and Inuit in Canada. <i>Pediatric Pulmonology</i> , <b>2006</b> , 41, 912-5	3.5	10
37	PrecISE: Precision Medicine in Severe Asthma: An adaptive platform trial with biomarker ascertainment. <i>Journal of Allergy and Clinical Immunology</i> , <b>2021</b> , 147, 1594-1601	11.5	10
36	Pediatric asthma: Principles and treatment. <i>Allergy and Asthma Proceedings</i> , <b>2019</b> , 40, 389-392	2.6	10
35	In utero tobacco smoke exposure, DNA methylation, and asthma in Latino children. <i>Environmental Epidemiology</i> , <b>2019</b> , 3, e048	0.2	9
34	Epidemiology and risk factors for the development of food allergy. <i>Pediatric Annals</i> , <b>2008</b> , 37, 552-8	1.3	8
33	Fetal cord blood and tissue immune responses to chronic placental inflammation and chorioamnionitis. <i>Allergy, Asthma and Clinical Immunology</i> , <b>2018</b> , 14, 66	3.2	8
32	Racial/Ethnic-Specific Differences in the Effects of Inhaled Corticosteroid Use on Bronchodilator Response in Patients With Asthma. <i>Clinical Pharmacology and Therapeutics</i> , <b>2019</b> , 106, 1133-1140	6.1	7
31	Acculturation is associated with asthma burden and pulmonary function in Latino youth: The GALA II study. <i>Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 143, 1914-1922	11.5	7
30	Diurnal variations in subcutaneous allergen immunotherapy reactions. <i>Annals of Allergy, Asthma and Immunology</i> , <b>2017</b> , 118, 103-107	3.2	7

29	The precision interventions for severe and/or exacerbation-prone asthma (PrecISE) adaptive platform trial: statistical considerations. <i>Journal of Biopharmaceutical Statistics</i> , <b>2020</b> , 30, 1026-1037	1.3	7
28	Maternal age and asthma in Latino populations. <i>Clinical and Experimental Allergy</i> , <b>2016</b> , 46, 1398-1406	4.1	7
27	Adult Life-Course Trajectories of Lung Function and the Development of Emphysema: The CARDIA Lung Study. <i>American Journal of Medicine</i> , <b>2020</b> , 133, 222-230.e11	2.4	7
26	Breastfeeding associated with higher lung function in African American youths with asthma. <i>Journal of Asthma</i> , <b>2017</b> , 54, 856-865	1.9	6
25	Soy isoflavones reduce asthma exacerbation in asthmatic patients with high PAI-1-producing genotypes. <i>Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 144, 109-117.e4	11.5	6
24	Associations of Vitamin D and Vitamin E during early life with lung function in childhood. <i>Journal of Allergy and Clinical Immunology</i> , <b>2020</b> , 146, 1349-1357.e3	11.5	5
23	Association of food allergy and decreased lung function in children and young adults with asthma. <i>Annals of Allergy, Asthma and Immunology</i> , <b>2018</b> , 121, 588-593.e1	3.2	5
22	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> , <b>2012</b> , 130, 996-9.e6	11.5	5
21	Association of a PAI-1 Gene Polymorphism and Early Life Infections with Asthma Risk, Exacerbations, and Reduced Lung Function. <i>PLoS ONE</i> , <b>2016</b> , 11, e0157848	3.7	5
20	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> , <b>2021</b> , 203, 424-436	10.2	5
19	Differential asthma odds following respiratory infection in children from three minority populations. <i>PLoS ONE</i> , <b>2020</b> , 15, e0231782	3.7	4
18	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> , <b>2020</b> , 215, 869-886	4	3
17	Eosinophilic esophagitis in children: A review. <i>Clinical and Applied Immunology Reviews</i> , <b>2004</b> , 4, 173-188		3
16	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> , <b>2021</b> ,	11.5	3
15	Differential methylation between ethnic sub-groups reflects the effect of genetic ancestry and environmental exposures		3
14	Whole genome sequencing of pharmacogenetic drug response in racially and ethnically diverse children with asthma		3
13	PAI-1 gain-of-function genotype, factors increasing PAI-1 levels, and airway obstruction: The GALA II Cohort. <i>Clinical and Experimental Allergy</i> , <b>2017</b> , 47, 1150-1158	4.1	2
12	Pediatric posttransplantation food allergy experience at a large US tertiary care center. <i>Annals of Allergy, Asthma and Immunology</i> , <b>2019</b> , 123, 522-524.e1	3.2	2

11	Glutathione and arginine levels: Predictors for acetaminophen-associated asthma exacerbation?. <i>Journal of Allergy and Clinical Immunology</i> , <b>2018</b> , 142, 308-311.e9	11.5	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> , <b>2020</b> , 15, e0242364	3.7	2
9	Chapter 10: Pediatric asthma: principles and treatment. <i>Allergy and Asthma Proceedings</i> , <b>2012</b> , 33 Suppl 1, 32-35	2.6	2
8	Nasal airway transcriptome-wide association study of asthma reveals genetically driven mucus pathobiology.. <i>Nature Communications</i> , <b>2022</b> , 13, 1632	17.4	2
7	Tobacco exposure and asthma morbidity in Puerto Ricans and Mexican Americans. <i>Annals of Allergy, Asthma and Immunology</i> , <b>2011</b> , 106, 346-8	3.2	1
6	A Genome-wide Association and Admixture Mapping Study of Bronchodilator Drug Response in African Americans with Asthma		1
5	Challenges in assessing the efficacy of systemic corticosteroids for severe wheezing episodes in preschool children. <i>Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 143, 1934-1937.e4	11.5	1
4	Whole blood transcriptomics identifies gene expression associated with peanut allergy in infants at high risk. <i>Clinical and Experimental Allergy</i> , <b>2021</b> , 51, 1396-1400	4.1	0
3	Reply: To PMID 22290763. <i>Pediatric Pulmonology</i> , <b>2013</b> , 48, 629-30	3.5	
2	Exploration of parent-reported food allergy symptoms via breastmilk exposures and likelihood to develop tolerance. <i>Allergy, Asthma and Clinical Immunology</i> , <b>2021</b> , 17, 102	3.2	
1	The wheezing infant: diagnosis and treatment. <i>Pediatric Annals</i> , <b>2003</b> , 32, 30-6	1.3	