

# Benjamin A Raby

## List of Publications by Year in descending order

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Version: 2024-02-01

95  
papers

5,211  
citations

101496

36  
h-index

95218

68  
g-index

110  
all docs

110  
docs citations

110  
times ranked

9682  
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.	9.4	736
2	Single-cell RNA-seq reveals ectopic and aberrant lung-resident cell populations in idiopathic pulmonary fibrosis. <i>Science Advances</i> , 2020, 6, eaba1983.	4.7	713
3	Association of Vitamin D Receptor Gene Polymorphisms with Childhood and Adult Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004, 170, 1057-1065.	2.5	232
4	Limited statistical evidence for shared genetic effects of eQTLs and autoimmune-disease-associated loci in three major immune-cell types. <i>Nature Genetics</i> , 2017, 49, 600-605.	9.4	205
5	A disease module in the interactome explains disease heterogeneity, drug response and captures novel pathways and genes in asthma. <i>Human Molecular Genetics</i> , 2015, 24, 3005-3020.	1.4	162
6	Polymorphisms in Toll-Like Receptor 4 Are Not Associated with Asthma or Atopy-related Phenotypes. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002, 166, 1449-1456.	2.5	154
7	Circadian rhythm reprogramming during lung inflammation. <i>Nature Communications</i> , 2014, 5, 4753.	5.8	147
8	Metabolomic Derangements Are Associated with Mortality in Critically Ill Adult Patients. <i>PLoS ONE</i> , 2014, 9, e87538.	1.1	127
9	ADAM33 polymorphisms and phenotype associations in childhood asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2004, 113, 1071-1078.	1.5	115
10	Stress and Bronchodilator Response in Children with Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 47-56.	2.5	99
11	Mapping of numerous disease-associated expression polymorphisms in primary peripheral blood CD4+ lymphocytes. <i>Human Molecular Genetics</i> , 2010, 19, 4745-4757.	1.4	98
12	A Role for Wnt Signaling Genes in the Pathogenesis of Impaired Lung Function in Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 181, 328-336.	2.5	94
13	Noninvasive Analysis of the Sputum Transcriptome Discriminates Clinical Phenotypes of Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 191, 1116-1125.	2.5	86
14	T-Bet Polymorphisms Are Associated with Asthma and Airway Hyperresponsiveness. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 173, 64-70.	2.5	78
15	Sex-specific linkage to total serum immunoglobulin E in families of children with asthma in Costa Rica. <i>Human Molecular Genetics</i> , 2007, 16, 243-253.	1.4	73
16	Sex-stratified Linkage Analysis Identifies a Female-specific Locus for IgE to Cockroach in Costa Ricans. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 177, 830-836.	2.5	71
17	Genome-wide interaction studies reveal sex-specific asthma risk alleles. <i>Human Molecular Genetics</i> , 2014, 23, 5251-5259.	1.4	70
18	A common mitochondrial haplogroup is associated with elevated total serum IgE levels. <i>Journal of Allergy and Clinical Immunology</i> , 2007, 120, 351-358.	1.5	69

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19	Ethnic-specific associations of rare and low-frequency DNA sequence variants with asthma. <i>Nature Communications</i> , 2015, 6, 5965.	5.8	66
20	A PRDX1 mutant allele causes a MMACHC secondary epimutation in cblC patients. <i>Nature Communications</i> , 2018, 9, 67.	5.8	64
21	Anticholinergic vs Long-Acting $\beta_2$ -Agonist in Combination With Inhaled Corticosteroids in Black Adults With Asthma. <i>JAMA - Journal of the American Medical Association</i> , 2015, 314, 1720.	3.8	61
22	Inflammasome activation in neutrophils of patients with severe COVID-19. <i>Blood Advances</i> , 2022, 6, 2001-2013.	2.5	59
23	The <i>MUC5B</i> promoter polymorphism is associated with specific interstitial lung abnormality subtypes. <i>European Respiratory Journal</i> , 2017, 50, 1700537.	3.1	55
24	Chromosome 12q harbors multiple genetic loci related to asthma and asthma-related phenotypes. <i>Human Molecular Genetics</i> , 2003, 12, 1973-1979.	1.4	52
25	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.	1.5	52
26	A meta-analysis of genome-wide association studies of asthma in Puerto Ricans. <i>European Respiratory Journal</i> , 2017, 49, 1601505.	3.1	51
27	A Nasal Brush-based Classifier of Asthma Identified by Machine Learning Analysis of Nasal RNA Sequence Data. <i>Scientific Reports</i> , 2018, 8, 8826.	1.6	51
28	CTNNA3 and SEMA3D: Promising loci for asthma exacerbation identified through multiple genome-wide association studies. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 136, 1503-1510.	1.5	50
29	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.	2.5	49
30	Current Status and Future Opportunities in Lung Precision Medicine Research with a Focus on Biomarkers. An American Thoracic Society/National Heart, Lung, and Blood Institute Research Statement. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, e116-e136.	2.5	49
31	Paternal History of Asthma and Airway Responsiveness in Children with Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 172, 552-558.	2.5	46
32	A genome-wide survey of CD4+ lymphocyte regulatory genetic variants identifies novel asthma genes. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 134, 1153-1162.	1.5	46
33	The Genetics of Pneumothorax. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 1344-1357.	2.5	45
34	Genetic control of gene expression at novel and established chronic obstructive pulmonary disease loci. <i>Human Molecular Genetics</i> , 2015, 24, 1200-1210.	1.4	43
35	Rheumatoid arthritis and risk of chronic obstructive pulmonary disease or asthma among women: A marginal structural model analysis in the Nurses' Health Study. <i>Seminars in Arthritis and Rheumatism</i> , 2018, 47, 639-648.	1.6	42
36	Unique Effect of Aspirin Therapy on Biomarkers in Aspirin-exacerbated Respiratory Disease. A Prospective Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 704-711.	2.5	42

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37	Childhood asthma is associated with COPD and known asthma variants in COPDGene: a genome-wide association study. <i>Respiratory Research</i> , 2018, 19, 209.	1.4	41
38	Short Telomeres, Telomeropathy, and Subclinical Extrapulmonary Organ Damage in Patients With Interstitial Lung Disease. <i>Chest</i> , 2015, 147, 1549-1557.	0.4	38
39	Roles of Postdiagnosis Accumulation of Morbidities and Lifestyle Changes in Excess Total and Cause-specific Mortality Risk in Rheumatoid Arthritis. <i>Arthritis Care and Research</i> , 2021, 73, 188-198.	1.5	36
40	A trial of type 12 purinergic (P2Y12) receptor inhibition with prasugrel identifies a potentially distinct endotype of patients with aspirin-exacerbated respiratory disease. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 316-324.e7.	1.5	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.	1.5	33
42	Shorter telomere length following lung transplantation is associated with clinically significant leukopenia and decreased chronic lung allograft dysfunction-free survival. <i>ERJ Open Research</i> , 2020, 6, 00003-2020.	1.1	33
43	Importin-13 genetic variation is associated with improved airway responsiveness in childhood asthma. <i>Respiratory Research</i> , 2009, 10, 67.	1.4	32
44	A prevalent caveolin-1 gene variant is associated with the metabolic syndrome in Caucasians and Hispanics. <i>Metabolism: Clinical and Experimental</i> , 2015, 64, 1674-1681.	1.5	31
45	Eotaxin polymorphisms and serum total IgE levels in children with asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2006, 117, 298-305.	1.5	30
46	Integrated microRNA and mRNA responses to acute human left ventricular ischemia. <i>Physiological Genomics</i> , 2015, 47, 455-462.	1.0	30
47	Association of Donor and Recipient Telomere Length with Clinical Outcomes following Lung Transplantation. <i>PLoS ONE</i> , 2016, 11, e0162409.	1.1	30
48	The role of the 17q21 genotype in the prevention of early childhood asthma and recurrent wheeze by vitamin D. <i>European Respiratory Journal</i> , 2019, 54, 1900761.	3.1	29
49	Genetic determinants of telomere length from 109,122 ancestrally diverse whole-genome sequences in TOPMed. <i>Cell Genomics</i> , 2022, 2, 100084.	3.0	29
50	Gene expression profiling of asthma phenotypes demonstrates molecular signatures of atopy and asthma control. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 1390-1397.e6.	1.5	28
51	Familial pneumothorax: towards precision medicine. <i>Thorax</i> , 2018, 73, 270-276.	2.7	26
52	Sex differences in gene expression in response to ischemia in the human left ventricular myocardium. <i>Human Molecular Genetics</i> , 2019, 28, 1682-1693.	1.4	26
53	Progenitor potential of lung epithelial organoid cells in a transplantation model. <i>Cell Reports</i> , 2022, 39, 110662.	2.9	26
54	Discovering the genes mediating the interactions between chronic respiratory diseases in the human interactome. <i>Nature Communications</i> , 2020, 11, 811.	5.8	25

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55	Pharmacogenomics: novel loci identification via integrating gene differential analysis and eQTL analysis. <i>Human Molecular Genetics</i> , 2014, 23, 5017-5024.	1.4	24
56	Gene expression network analyses in response to air pollution exposures in the trucking industry. <i>Environmental Health</i> , 2016, 15, 101.	1.7	24
57	The CD4+ T-cell transcriptome and serum IgE in asthma: IL17RB and the role of sex. <i>BMC Pulmonary Medicine</i> , 2011, 11, 17.	0.8	23
58	Novel eosinophilic gene expression networks associated with IgE in two distinct asthma populations. <i>Clinical and Experimental Allergy</i> , 2018, 48, 1654-1664.	1.4	22
59	Network study of nasal transcriptome profiles reveals master regulator genes of asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 879-893.	1.5	22
60	Genetics and Genomics of Longitudinal Lung Function Patterns in Individuals with Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 1465-1474.	2.5	20
61	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.	1.5	20
62	Genetic-Epigenetic Interactions in Asthma Revealed by a Genome-Wide Gene-Centric Search. <i>Human Heredity</i> , 2018, 83, 130-152.	0.4	18
63	DNA methylation is associated with inhaled corticosteroid response in persistent childhood asthmatics. <i>Clinical and Experimental Allergy</i> , 2019, 49, 1225-1234.	1.4	15
64	Biobanking and cryopreservation of human lung explants for omic analysis. <i>European Respiratory Journal</i> , 2020, 55, 1801635.	3.1	15
65	ADAM33. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2004, 31, 1-2.	1.4	13
66	The impact of self-identified race on epidemiologic studies of gene expression. <i>Genetic Epidemiology</i> , 2011, 35, 93-101.	0.6	12
67	Asthma severity, nature or nurture: genetic determinants. <i>Current Opinion in Pediatrics</i> , 2019, 31, 340-348.	1.0	12
68	Gene Coexpression Networks in Whole Blood Implicate Multiple Interrelated Molecular Pathways in Obesity in People with Asthma. <i>Obesity</i> , 2018, 26, 1938-1948.	1.5	11
69	Psychological impact of genetic and clinical screening for pulmonary fibrosis on asymptomatic first-degree relatives of affected individuals. <i>Thorax</i> , 2021, 76, 621-623.	2.7	11
70	Early Changes in Immune Cell Count, Metabolism, and Function Following Sleeve Gastrectomy: A Prospective Human Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e619-e630.	1.8	11
71	Joint GWAS Analysis: Comparing similar GWAS at different genomic resolutions identifies novel pathway associations with six complex diseases. <i>Genomics Data</i> , 2014, 2, 202-211.	1.3	10
72	DNA methylation is associated with improvement in lung function on inhaled corticosteroids in pediatric asthmatics. <i>Pharmacogenetics and Genomics</i> , 2019, 29, 65-68.	0.7	9

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73	Alpha-1 Antitrypsin Deficiency as an Incidental Finding in Clinical Genetic Testing. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 246-248.	2.5	9
74	A new diagnosis of Williamsâ€Beuren syndrome in a 49-year-old man with severe bullous emphysema. American Journal of Medical Genetics, Part A, 2017, 173, 2235-2239.	0.7	8
75	Role of nuclear factor of activated T cells 2 (NFATc2) in allergic asthma. Immunity, Inflammation and Disease, 2020, 8, 704-712.	1.3	8
76	Interstitial lung abnormalities are associated with decreased mean telomere length. European Respiratory Journal, 2022, 60, 2101814.	3.1	8
77	A bronchial airway gene expression classifier to improve the diagnosis of lung cancer: Clinical outcomes and cost-effectiveness analysis. International Journal of Cancer, 2020, 146, 781-790.	2.3	7
78	Expression of SMARCD1 interacts with age in association with asthma control on inhaled corticosteroid therapy. Respiratory Research, 2020, 21, 31.	1.4	6
79	Regulated on Activation, Normal T cell Expressed and Secreted (RANTES) drives the resolution of allergic asthma. iScience, 2021, 24, 103163.	1.9	6
80	Asthma Susceptibility Gene <i>ORMDL3</i> Promotes Autophagy in Human Bronchial Epithelium. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, 661-670.	1.4	6
81	Targeted deletion of NFAT-Interacting-Protein-(NIP) 45 resolves experimental asthma by inhibiting Innate Lymphoid Cells group 2 (ILC2). Scientific Reports, 2019, 9, 15695.	1.6	5
82	From 2D to 3D: Promising Advances in Imaging Lung Structure. Frontiers in Medicine, 2020, 7, 343.	1.2	5
83	Effect of Intrauterine Smoke Exposure on microRNA-15a Expression in Human Lung Development and Subsequent Asthma Risk. Healthcare (Switzerland), 2020, 8, 536.	1.0	5
84	Asthma Bridge: The Asthma Biorepository For Integrative Genomic Exploration. , 2011, , .		4
85	A novel locus for exertional dyspnoea in childhood asthma. European Respiratory Journal, 2021, 57, 2001224.	3.1	4
86	A homozygous stop-gain variant in ARHGAP42 is associated with childhood interstitial lung disease, systemic hypertension, and immunological findings. PLoS Genetics, 2021, 17, e1009639.	1.5	4
87	Lessons of the month: A breathless severe asthmatic in the genomic era: Occam's razor or Hickam's dictum?. Clinical Medicine, 2020, 20, e264-e266.	0.8	3
88	An RNA-seq primer for pulmonologists. European Respiratory Journal, 2020, 55, 1801625.	3.1	2
89	Pharmacogenetic investigation of efficacy response to mepolizumab in eosinophilic granulomatosis with polyangiitis. Rheumatology International, 2020, 40, 1301-1307.	1.5	2
90	An equivalence test for comparing DNA sequences. Pharmaceutical Statistics, 2005, 4, 203-214.	0.7	1

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91	TFutils: Data structures for transcription factor bioinformatics. F1000Research, 2019, 8, 152.	0.8	1
92	Interferon-Alpha or -beta Facilitates SARS-CoV-2 Pulmonary Vascular Infection by Inducing ACE2. FASEB Journal, 2022, 36, .	0.2	1
93	Cover Image, Volume 173A, Number 8, August 2017. American Journal of Medical Genetics, Part A, 2017, 173, i.	0.7	0
94	TREM-1 Response Signatures Common to Expression Profiles of Both Asthma Affection and Asthma Control. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 401-404.	2.5	0
95	Involvement of fine particulate matter exposure with gene expression pathways in breast tumor and adjacent-normal breast tissue. Environmental Research, 2020, 186, 109535.	3.7	0