Katherine J Baines

List of Publications by Year in Descending Order

93 papers	3,522 citations	35 h-index	57 g-index
116 ext. papers	4,384 ext. citations	5.2 avg, IF	5.49 L-index

#	Paper	IF	Citations
93	Response.. *Chest*, **2022**, 161, e251	5.3	
92	Sulforaphane Reduces Pro-Inflammatory Response To Palmitic Acid In Monocytes And Adipose Tissue Macrophages.. *Journal of Nutritional Biochemistry*, **2022**, 108978	6.3	0
91	Sputum TNF markers are increased in neutrophilic and severe asthma and are reduced by azithromycin treatment. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**, 76, 2090-2101	9.3	8
90	Molecular markers of type 2 airway inflammation are similar between eosinophilic severe asthma and eosinophilic chronic obstructive pulmonary disease. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**, 76, 2079-2089	9.3	3
89	Airway monocyte modulation relates to tumour necrosis factor dysregulation in neutrophilic asthma. *ERJ Open Research*, **2021**, 7,	3.5	1
88	Children With Asthma Have Impaired Innate Immunity and Increased Numbers of Type 2 Innate Lymphoid Cells Compared With Healthy Controls. *Frontiers in Immunology*, **2021**, 12, 664668	8.4	2
87	Airway gene expression identifies subtypes of type 2 inflammation in severe asthma. *Clinical and Experimental Allergy*, **2021**,	4.1	1
86	Transcriptomics of biopsies identifies novel genes and pathways linked to neutrophilic inflammation in severe asthma. *Clinical and Experimental Allergy*, **2021**, 51, 1279-1294	4.1	4
85	Parapneumonic Effusions Are Characterized by Elevated Levels of Neutrophil Extracellular Traps. *Chest*, **2021**, 160, 1645-1655	5.3	4
84	The effects of increasing fruit and vegetable intake in children with asthma: A randomized controlled trial. *Clinical and Experimental Allergy*, **2021**, 51, 1144-1156	4.1	2
83	Outcomes of protracted bacterial bronchitis in children: A 5-year prospective cohort study. *Respirology*, **2021**, 26, 241-248	3.6	7
82	Neutrophilic asthma features increased airway classical monocytes. *Clinical and Experimental Allergy*, **2021**, 51, 305-317	4.1	6
81	Type 2-low asthma phenotypes by integration of sputum transcriptomics and serum proteomics. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**, 76, 380-383	9.3	4
80	Sputum mast cell/basophil gene expression relates to inflammatory and clinical features of severe asthma. *Journal of Allergy and Clinical Immunology*, **2021**, 148, 428-438	11.5	6
79	Endoplasmic reticulum-unfolded protein response signalling is altered in severe eosinophilic and neutrophilic asthma. *Thorax*, **2021**,	7.3	4
78	An altered sputum macrophage transcriptome contributes to the neutrophilic asthma endotype. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**,	9.3	4
77	Six gene and TH2 signature expression in endobronchial biopsies of participants with asthma. *Immunity, Inflammation and Disease*, **2020**, 8, 40-49	2.4	6

76	The six-gene expression signature in whole sampled sputum provides clinically feasible inflammatory phenotyping of asthma. *ERJ Open Research*, **2020**, 6,	3.5	3
75	Sputum transcriptomics implicates increased p38 signalling activity in severe asthma. *Respirology*, **2020**, 25, 709-718	3.6	11
74	Targeting treatable traits in severe asthma: a randomised controlled trial. *European Respiratory Journal*, **2020**, 55,	13.6	44
73	A Sputum 6 Gene Expression Signature Predicts Inflammatory Phenotypes and Future Exacerbations of COPD. *International Journal of COPD*, **2020**, 15, 1577-1590	3	4
72	Relationship of sputum mast cells with clinical and inflammatory characteristics of asthma. *Clinical and Experimental Allergy*, **2020**, 50, 696-707	4.1	10
71	Saturated fatty acids, obesity, and the nucleotide oligomerization domain-like receptor protein 3 (NLRP3) inflammasome in asthmatic patients. *Journal of Allergy and Clinical Immunology*, **2019**, 143, 305-315	11.5	47
70	Soluble fibre supplementation with and without a probiotic in adults with asthma: A 7-day randomised, double blind, three way cross-over trial. *EBioMedicine*, **2019**, 46, 473-485	8.8	34
69	The Emerging Role of Neutrophil Extracellular Traps in Respiratory Disease. *Chest*, **2019**, 156, 774-782	5.3	80
68	Dysregulation of sputum columnar epithelial cells and products in distinct asthma phenotypes. *Clinical and Experimental Allergy*, **2019**, 49, 1418-1428	4.1	8
67	A sputum 6-gene signature predicts future exacerbations of poorly controlled asthma. *Journal of Allergy and Clinical Immunology*, **2019**, 144, 51-60.e11	11.5	31
66	Hypersegmented airway neutrophils and its association with reduced lung function in adults with obstructive airway disease: an exploratory study. *BMJ Open*, **2019**, 9, e024330	3	10
65	Blood Neutrophils In COPD But Not Asthma Exhibit A Primed Phenotype With Downregulated CD62L Expression. *International Journal of COPD*, **2019**, 14, 2517-2525	3	4
64	Galectin-3 enhances monocyte-derived macrophage efferocytosis of apoptotic granulocytes in asthma. *Respiratory Research*, **2019**, 20, 1	7.3	53
63	Airway cells from protracted bacterial bronchitis and bronchiectasis share similar gene expression profiles. *Pediatric Pulmonology*, **2018**, 53, 575-582	3.5	11
62	Multiple inflammasomes may regulate the interleukin-1-driven inflammation in protracted bacterial bronchitis. *ERJ Open Research*, **2018**, 4,	3.5	9
61	Obese asthmatics are characterized by altered adipose tissue macrophage activation. *Clinical and Experimental Allergy*, **2018**, 48, 641-649	4.1	29
60	Advancing the management of obstructive airways diseases through translational research. *Clinical and Experimental Allergy*, **2018**, 48, 493-501	4.1	
59	Azithromycin treatment modifies airway and blood gene expression networks in neutrophilic COPD. *ERJ Open Research*, **2018**, 4,	3.5	13

58	Role for NLRP3 Inflammasome-mediated, IL-1β-Dependent Responses in Severe, Steroid-Resistant Asthma. *American Journal of Respiratory and Critical Care Medicine*, **2017**, 196, 283-297	10.2	206
57	Airway gene expression of IL-1 pathway mediators predicts exacerbation risk in obstructive airway disease. *International Journal of COPD*, **2017**, 12, 541-550	3	21
56	Short-chain fatty acids, prebiotics, synbiotics, and systemic inflammation: a systematic review and meta-analysis. *American Journal of Clinical Nutrition*, **2017**, 106, 930-945	7	107
55	Sputum colour can identify patients with neutrophilic inflammation in asthma. *BMJ Open Respiratory Research*, **2017**, 4, e000236	5.6	10
54	A sputum gene expression signature predicts oral corticosteroid response in asthma. *European Respiratory Journal*, **2017**, 49,	13.6	40
53	Cytokine responses to two common respiratory pathogens in children are dependent on interleukin-1β. *ERJ Open Research*, **2017**, 3,	3.5	4
52	Effects of an Encapsulated Fruit and Vegetable Juice Concentrate on Obesity-Induced Systemic Inflammation: A Randomised Controlled Trial. *Nutrients*, **2017**, 9,	6.7	20
51	Soluble Fibre Meal Challenge Reduces Airway Inflammation and Expression of GPR43 and GPR41 in Asthma. *Nutrients*, **2017**, 9,	6.7	83
50	MicroRNA-125a and -b inhibit A20 and MAVS to promote inflammation and impair antiviral response in COPD. *JCI Insight*, **2017**, 2, e90443	9.9	70
49	Neutrophil extracellular traps are associated with inflammation in chronic airway disease. *Respirology*, **2016**, 21, 467-75	3.6	112
48	Rosuvastatin, lycopene and omega-3 fatty acids: A potential treatment for systemic inflammation in COPD; a pilot study. *Journal of Nutrition & Intermediary Metabolism*, **2016**, 5, 86-95	2.8	6
47	Airway responsiveness to mannitol in asthma is associated with chymase-positive mast cells and eosinophilic airway inflammation. *Clinical and Experimental Allergy*, **2016**, 46, 288-97	4.1	22
46	Airway dysbiosis: Haemophilus influenzae and Tropheryma in poorly controlled asthma. *European Respiratory Journal*, **2016**, 47, 792-800	13.6	121
45	Is Alveolar Macrophage Phagocytic Dysfunction in Children With Protracted Bacterial Bronchitis a Forerunner to Bronchiectasis?. *Chest*, **2016**, 149, 508-515	5.3	33
44	Sputum mast cell subtypes relate to eosinophilia and corticosteroid response in asthma. *European Respiratory Journal*, **2016**, 47, 1123-33	13.6	43
43	Peripheral blood eosinophils: a surrogate marker for airway eosinophilia in stable COPD. *International Journal of COPD*, **2016**, 11, 1495-504	3	98
42	Changes in Expression of Genes Regulating Airway Inflammation Following a High-Fat Mixed Meal in Asthmatics. *Nutrients*, **2016**, 8,	6.7	23
41	IL-33 is related to innate immune activation and sensitization to HDM in mild steroid-free asthma. *Clinical and Experimental Allergy*, **2016**, 46, 564-74	4.1	10

40	COPD is characterized by increased detection of Haemophilus influenzae, Streptococcus pneumoniae and a deficiency of Bacillus species. *Respirology*, **2016**, 21, 697-704	3.6	39
39	A novel immunomodulatory function of neutrophils on rhinovirus-activated monocytes in vitro. *Thorax*, **2016**, 71, 1039-1049	7.3	16
38	TNF-and Macrophages Are Critical for Respiratory Syncytial Virus-Induced Exacerbations in a Mouse Model of Allergic Airways Disease. *Journal of Immunology*, **2016**, 196, 3547-58	5.3	38
37	Increased asthma and adipose tissue inflammatory gene expression with obesity and Inuit migration to a western country. *Respiratory Medicine*, **2016**, 111, 8-15	4.6	7
36	Differential neutrophil activation in viral infections: Enhanced TLR-7/8-mediated CXCL8 release in asthma. *Respirology*, **2016**, 21, 172-9	3.6	35
35	Anti-inflammatory deficiencies in neutrophilic asthma: reduced galectin-3 and IL-1RA/IL-1 *Respiratory Research*, **2015**, 16, 5	7.3	58
34	Acute exercise is associated with reduced exhaled nitric oxide in physically inactive adults with asthma. *Annals of Allergy, Asthma and Immunology*, **2015**, 114, 470-9	3.2	23
33	Investigating the effects of arctic dietary intake on lung health. *European Journal of Clinical Nutrition*, **2015**, 69, 1262-6	5.2	8
32	Understanding Xeroderma Pigmentosum Complementation Groups Using Gene Expression Profiling after UV-Light Exposure. *International Journal of Molecular Sciences*, **2015**, 16, 15985-96	6.3	12
31	Increased Peripheral Blood Pro-Inflammatory/Cytotoxic Lymphocytes in Children with Bronchiectasis. *PLoS ONE*, **2015**, 10, e0133695	3.7	8
30	Altered Innate Immune Responses in Neutrophils from Patients with Well- and Suboptimally Controlled Asthma. *Mediators of Inflammation*, **2015**, 2015, 219374	4.3	5
29	Airway Defensin-1 Protein Is Elevated in COPD and Severe Asthma. *Mediators of Inflammation*, **2015**, 2015, 407271	4.3	20
28	Airway IL-1and Systemic Inflammation as Predictors of Future Exacerbation Risk in Asthma and COPD. *Chest*, **2015**, 148, 618-629	5.3	72
27	Impaired lung function is associated with systemic inflammation and macrophage activation. *European Respiratory Journal*, **2015**, 45, 557-9	13.6	22
26	Activity and expression of histone acetylases and deacetylases in inflammatory phenotypes of asthma. *Clinical and Experimental Allergy*, **2014**, 44, 47-57	4.1	47
25	Respiratory viral infections in pregnant women with asthma are associated with wheezing in the first 12 months of life. *Pediatric Allergy and Immunology*, **2014**, 25, 151-8	4.2	15
24	Elevated expression of the NLRP3 inflammasome in neutrophilic asthma. *European Respiratory Journal*, **2014**, 43, 1067-76	13.6	168
23	Mediators of neutrophil function in children with protracted bacterial bronchitis. *Chest*, **2014**, 146, 1013-1020	5.9	36

22	The effect of azithromycin in adults with stable neutrophilic COPD: a double blind randomised, placebo controlled trial. *PLoS ONE*, **2014**, 9, e105609	3.7	61
21	The role of biomarkers in the management of airways disease. *International Journal of Tuberculosis and Lung Disease*, **2014**, 18, 1264-8	2.1	19
20	Differential DNA methylation profiles of infants exposed to maternal asthma during pregnancy. *Pediatric Pulmonology*, **2014**, 49, 852-62	3.5	48
19	Sputum ADAM8 expression is increased in severe asthma and COPD. *Clinical and Experimental Allergy*, **2014**, 44, 342-52	4.1	22
18	Characteristic DNA methylation profiles in peripheral blood monocytes are associated with inflammatory phenotypes of asthma. *Epigenetics*, **2014**, 9, 1302-16	5.7	49
17	Sputum gene expression signature of 6 biomarkers discriminates asthma inflammatory phenotypes. *Journal of Allergy and Clinical Immunology*, **2014**, 133, 997-1007	11.5	141
16	Neutrophilic asthma is characterised by increased rhinosinusitis with sleep disturbance and GERD. *Asian Pacific Journal of Allergy and Immunology*, **2014**, 32, 66-74	5.4	13
15	Biology of Neutrophils **2014**, 280-291		2
14	Novel immune genes associated with excessive inflammatory and antiviral responses to rhinovirus in COPD. *Respiratory Research*, **2013**, 14, 15	7.3	40
13	Systemic inflammation is associated with differential gene expression and airway neutrophilia in asthma. *OMICS A Journal of Integrative Biology*, **2013**, 17, 187-99	3.8	58
12	Toll-like receptor 7 gene deficiency and early-life Pneumovirus infection interact to predispose toward the development of asthma-like pathology in mice. *Journal of Allergy and Clinical Immunology*, **2013**, 131, 1331-9.e10	11.5	49
11	Influence of age, past smoking, and disease severity on TLR2, neutrophilic inflammation, and MMP-9 levels in COPD. *Mediators of Inflammation*, **2013**, 2013, 462934	4.3	31
10	The neutrophilic inflammatory phenotype is associated with systemic inflammation in asthma. *Chest*, **2012**, 142, 86-93	5.3	202
9	Transcriptional phenotypes of asthma defined by gene expression profiling of induced sputum samples. *Journal of Allergy and Clinical Immunology*, **2011**, 127, 153-60, 160.e1-9	11.5	198
8	Innate immune responses are increased in chronic obstructive pulmonary disease. *PLoS ONE*, **2011**, 6, e18426	3.7	60
7	Systemic upregulation of neutrophil ⊞defensins and serine proteases in neutrophilic asthma. *Thorax*, **2011**, 66, 942-7	7.3	58
6	Different inflammatory phenotypes in adults and children with acute asthma. *European Respiratory Journal*, **2011**, 38, 567-74	13.6	95
5	Differential gene expression and cytokine production from neutrophils in asthma phenotypes. *European Respiratory Journal*, **2010**, 35, 522-31	13.6	66

4	IL-27/IFN-induce MyD88-dependent steroid-resistant airway hyperresponsiveness by inhibiting glucocorticoid signaling in macrophages. *Journal of Immunology*, **2010**, 185, 4401-9	5.3	87
3	The nutrigenomics of asthma: molecular mechanisms of airway neutrophilia following dietary antioxidant withdrawal. *OMICS A Journal of Integrative Biology*, **2009**, 13, 355-65	3.8	23
2	Oncostatin M (OSM) is increased in asthma with incompletely reversible airflow obstruction. *Experimental Lung Research*, **2009**, 35, 781-94	2.3	43
1	Immune responses of airway neutrophils are impaired in asthma. *Experimental Lung Research*, **2009**, 35, 554-69	2.3	27