

Sebastian L Johnston

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8621983/sebastian-l-johnston-publications-by-citations.pdf>
Version: 2024-04-10

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.

394 papers	31,611 citations	88 h-index	165 g-index
470 ext. papers	36,616 ext. citations	8.1 avg, IF	7.04 L-index

#	Paper	IF	Citations
394	Community study of role of viral infections in exacerbations of asthma in 9-11 year old children. <i>BMJ: British Medical Journal</i> , 1995 , 310, 1225-9		1412
393	Asthmatic bronchial epithelial cells have a deficient innate immune response to infection with rhinovirus. <i>Journal of Experimental Medicine</i> , 2005 , 201, 937-47	16.6	928
392	Role of deficient type III interferon-lambda production in asthma exacerbations. <i>Nature Medicine</i> , 2006 , 12, 1023-6	50.5	800
391	Respiratory viruses, symptoms, and inflammatory markers in acute exacerbations and stable chronic obstructive pulmonary disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001 , 164, 1618-23	10.2	742
390	Infections and airway inflammation in chronic obstructive pulmonary disease severe exacerbations. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006 , 173, 1114-21	10.2	731
389	Acute exacerbations of chronic obstructive pulmonary disease: identification of biologic clusters and their biomarkers. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011 , 184, 662-71	10.2	662
388	The ENFUMOSA cross-sectional European multicentre study of the clinical phenotype of chronic severe asthma. European Network for Understanding Mechanisms of Severe Asthma. <i>European Respiratory Journal</i> , 2003 , 22, 470-7	13.6	604
387	Early-life respiratory viral infections, atopic sensitization, and risk of subsequent development of persistent asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2007 , 119, 1105-10	11.5	549
386	The infant nasopharyngeal microbiome impacts severity of lower respiratory infection and risk of asthma development. <i>Cell Host and Microbe</i> , 2015 , 17, 704-15	23.4	512
385	The relationship between upper respiratory infections and hospital admissions for asthma: a time-trend analysis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1996 , 154, 654-60	10.2	458
384	Rhinoviruses infect the lower airways. <i>Journal of Infectious Diseases</i> , 2000 , 181, 1875-84	7	445
383	Frequency, severity, and duration of rhinovirus infections in asthmatic and non-asthmatic individuals: a longitudinal cohort study. <i>Lancet, The</i> , 2002 , 359, 831-4	40	444
382	Blood eosinophils to direct corticosteroid treatment of exacerbations of chronic obstructive pulmonary disease: a randomized placebo-controlled trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012 , 186, 48-55	10.2	400
381	Rhinovirus-induced lower respiratory illness is increased in asthma and related to virus load and Th1/2 cytokine and IL-10 production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 13562-7	11.5	369
380	IL-33-dependent type 2 inflammation during rhinovirus-induced asthma exacerbations in vivo. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 190, 1373-82	10.2	363
379	Role of respiratory viruses in acute upper and lower respiratory tract illness in the first year of life: a birth cohort study. <i>Pediatric Infectious Disease Journal</i> , 2006 , 25, 680-6	3.4	337
378	Study of modifiable risk factors for asthma exacerbations: virus infection and allergen exposure increase the risk of asthma hospital admissions in children. <i>Thorax</i> , 2006 , 61, 376-82	7.3	331

377	The role of bacteria in the pathogenesis and progression of idiopathic pulmonary fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 190, 906-13	10.2	320
376	Type 1 and type 2 cytokine imbalance in acute respiratory syncytial virus bronchiolitis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003 , 168, 633-9	10.2	295
375	Mouse models of rhinovirus-induced disease and exacerbation of allergic airway inflammation. <i>Nature Medicine</i> , 2008 , 14, 199-204	50.5	285
374	Experimental rhinovirus infection as a human model of chronic obstructive pulmonary disease exacerbation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011 , 183, 734-42	10.2	283
373	Neutrophil degranulation and cell lysis is associated with clinical severity in virus-induced asthma. <i>European Respiratory Journal</i> , 2002 , 19, 68-75	13.6	283
372	Montelukast reduces asthma exacerbations in 2- to 5-year-old children with intermittent asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 171, 315-22	10.2	275
371	Targeting the NF-kappaB pathway in asthma and chronic obstructive pulmonary disease 2009 , 121, 1-13		271
370	Synergism between allergens and viruses and risk of hospital admission with asthma: case-control study. <i>BMJ, The</i> , 2002 , 324, 763	5.9	264
369	Outgrowth of the bacterial airway microbiome after rhinovirus exacerbation of chronic obstructive pulmonary disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 188, 1224-31	10.2	262
368	Viruses as precipitants of asthma symptoms. I. Epidemiology. <i>Clinical and Experimental Allergy</i> , 1992 , 22, 325-36	4.1	258
367	Rhinovirus infection induces expression of its own receptor intercellular adhesion molecule 1 (ICAM-1) via increased NF-kappaB-mediated transcription. <i>Journal of Biological Chemistry</i> , 1999 , 274, 9707-20	5.4	255
366	The September epidemic of asthma exacerbations in children: a search for etiology. <i>Journal of Allergy and Clinical Immunology</i> , 2005 , 115, 132-8	11.5	249
365	The role of viruses in acute exacerbations of asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2010 , 125, 1178-87; quiz 1188-9	11.5	241
364	Personal exposure to nitrogen dioxide (NO2) and the severity of virus-induced asthma in children. <i>Lancet, The</i> , 2003 , 361, 1939-44	4.0	238
363	Co-ordinated role of TLR3, RIG-I and MDA5 in the innate response to rhinovirus in bronchial epithelium. <i>PLoS Pathogens</i> , 2010 , 6, e1001178	7.6	236
362	Asthma exacerbations: origin, effect, and prevention. <i>Journal of Allergy and Clinical Immunology</i> , 2011 , 128, 1165-74	11.5	235
361	The effect of telithromycin in acute exacerbations of asthma. <i>New England Journal of Medicine</i> , 2006 , 354, 1589-600	59.2	229
360	Rhinovirus-induced IL-25 in asthma exacerbation drives type 2 immunity and allergic pulmonary inflammation. <i>Science Translational Medicine</i> , 2014 , 6, 256ra134	17.5	227

359	Azithromycin induces anti-viral responses in bronchial epithelial cells. <i>European Respiratory Journal</i> , 2010 , 36, 646-54	13.6	219
358	Association of bacteria and viruses with wheezy episodes in young children: prospective birth cohort study. <i>BMJ, The</i> , 2010 , 341, c4978	5.9	219
357	Lung microbiome dynamics in COPD exacerbations. <i>European Respiratory Journal</i> , 2016 , 47, 1082-92	13.6	206
356	Viruses and bacteria in acute asthma exacerbations--a GALLÉN-DARE systematic review. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2011 , 66, 458-68	9.3	192
355	Rhinovirus infection induces degradation of antimicrobial peptides and secondary bacterial infection in chronic obstructive pulmonary disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012 , 186, 1117-24	10.2	191
354	Use of polymerase chain reaction for diagnosis of picornavirus infection in subjects with and without respiratory symptoms. <i>Journal of Clinical Microbiology</i> , 1993 , 31, 111-7	9.7	190
353	Increased interleukin-4, interleukin-5, and interferon-gamma in airway CD4+ and CD8+ T cells in atopic asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 171, 224-30	10.2	184
352	Toll-like receptor 3 is induced by and mediates antiviral activity against rhinovirus infection of human bronchial epithelial cells. <i>Journal of Virology</i> , 2005 , 79, 12273-9	6.6	183
351	The effect of inhaled IFN- γ on worsening of asthma symptoms caused by viral infections. A randomized trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 190, 145-54	10.2	182
350	A defective type 1 response to rhinovirus in atopic asthma. <i>Thorax</i> , 2002 , 57, 328-32	7.3	180
349	Asthma and natural colds. Inflammatory indices in induced sputum: a feasibility study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1998 , 158, 1178-84	10.2	176
348	New year: new editors. <i>Thorax</i> , 2003 , 58, 1-2	7.3	174
347	Host DNA released by NETosis promotes rhinovirus-induced type-2 allergic asthma exacerbation. <i>Nature Medicine</i> , 2017 , 23, 681-691	50.5	173
346	Respiratory virus induction of alpha-, beta- and lambda-interferons in bronchial epithelial cells and peripheral blood mononuclear cells. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2009 , 64, 375-86	9.3	158
345	Rhinovirus 16-induced IFN- β and IFN- γ are deficient in bronchoalveolar lavage cells in asthmatic patients. <i>Journal of Allergy and Clinical Immunology</i> , 2012 , 129, 1506-1514.e6	11.5	156
344	Impaired innate interferon induction in severe therapy resistant atopic asthmatic children. <i>Mucosal Immunology</i> , 2013 , 6, 797-806	9.2	156
343	RSV-specific airway resident memory CD8+ T cells and differential disease severity after experimental human infection. <i>Nature Communications</i> , 2015 , 6, 10224	17.4	155
342	<i>Chlamydia pneumoniae</i> and <i>Mycoplasma pneumoniae</i> : a role in asthma pathogenesis?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 172, 1078-89	10.2	155

341	Chronic Chlamydia pneumoniae infection and asthma exacerbations in children. <i>European Respiratory Journal</i> , 1998 , 11, 345-9	13.6	155
340	Air pollution and infection in respiratory illness. <i>British Medical Bulletin</i> , 2003 , 68, 95-112	5.4	150
339	PMA induces the MUC5AC respiratory mucin in human bronchial epithelial cells, via PKC, EGF/TGF-alpha, Ras/Raf, MEK, ERK and Sp1-dependent mechanisms. <i>Journal of Molecular Biology</i> , 2004 , 344, 683-95	6.5	147
338	Role of nasal interleukin-8 in neutrophil recruitment and activation in children with virus-induced asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1997 , 155, 1362-6	10.2	145
337	IFN-gamma-induced protein 10 is a novel biomarker of rhinovirus-induced asthma exacerbations. <i>Journal of Allergy and Clinical Immunology</i> , 2007 , 120, 586-93	11.5	142
336	Lower airways inflammation during rhinovirus colds in normal and in asthmatic subjects. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1995 , 151, 879-86	10.2	140
335	Respiratory syncytial virus, airway inflammation, and FEV1 decline in patients with chronic obstructive pulmonary disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006 , 173, 871-6	10.2	139
334	Important research questions in allergy and related diseases: nonallergic rhinitis: a GA2LEN paper. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2008 , 63, 842-53	9.3	137
333	The September epidemic of asthma hospitalization: school children as disease vectors. <i>Journal of Allergy and Clinical Immunology</i> , 2006 , 117, 557-62	11.5	135
332	The microbiology of asthma. <i>Nature Reviews Microbiology</i> , 2012 , 10, 459-71	22.2	130
331	Rhinoviruses replicate effectively at lower airway temperatures. <i>Journal of Medical Virology</i> , 1999 , 58, 100-4	19.7	130
330	MACVIA-ARIA Sentinel Network for allergic rhinitis (MASK-rhinitis): the new generation guideline implementation. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2015 , 70, 1372-92	9.3	123
329	Activated, cytotoxic CD8(+) T lymphocytes contribute to the pathology of asthma death. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001 , 164, 560-4	10.2	123
328	How viral infections cause exacerbation of airway diseases. <i>Chest</i> , 2006 , 130, 1203-10	5.3	119
327	Microbes and mucosal immune responses in asthma. <i>Lancet, The</i> , 2013 , 381, 861-73	4.0	118
326	Host defense function of the airway epithelium in health and disease: clinical background. <i>Journal of Leukocyte Biology</i> , 2004 , 75, 5-17	6.5	116
325	Rhinovirus exposure impairs immune responses to bacterial products in human alveolar macrophages. <i>Thorax</i> , 2008 , 63, 519-25	7.3	115
324	Review of the molecular and cellular mechanisms of action of glucocorticoids for use in asthma. <i>Pulmonary Pharmacology and Therapeutics</i> , 2002 , 15, 35-50	3.5	115

323	Vitamin D modulation of innate immune responses to respiratory viral infections. <i>Reviews in Medical Virology</i> , 2017 , 27, e1909	11.7	114
322	Viral infections in allergy and immunology: How allergic inflammation influences viral infections and illness. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 140, 909-920	11.5	113
321	Integrated care pathways for airway diseases (AIRWAYS-ICPs). <i>European Respiratory Journal</i> , 2014 , 44, 304-23	13.6	112
320	The E3 ubiquitin ligase midline 1 promotes allergen and rhinovirus-induced asthma by inhibiting protein phosphatase 2A activity. <i>Nature Medicine</i> , 2013 , 19, 232-7	50.5	110
319	Human rhinovirus 1B exposure induces phosphatidylinositol 3-kinase-dependent airway inflammation in mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008 , 177, 1111-21	10.2	106
318	Novel antiviral properties of azithromycin in cystic fibrosis airway epithelial cells. <i>European Respiratory Journal</i> , 2015 , 45, 428-39	13.6	101
317	Rhinovirus-induced interferon production is not deficient in well controlled asthma. <i>Thorax</i> , 2014 , 69, 240-6	7.3	101
316	Detection of airborne rhinovirus and its relation to outdoor air supply in office environments. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004 , 169, 1187-90	10.2	101
315	Corticosteroid suppression of antiviral immunity increases bacterial loads and mucus production in COPD exacerbations. <i>Nature Communications</i> , 2018 , 9, 2229	17.4	100
314	Association between respiratory infections in early life and later asthma is independent of virus type. <i>Journal of Allergy and Clinical Immunology</i> , 2015 , 136, 81-86.e4	11.5	97
313	Th2 cytokines impair innate immune responses to rhinovirus in respiratory epithelial cells. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2015 , 70, 910-20	9.3	96
312	Viruses as precipitants of asthma symptoms. II. Physiology and mechanisms. <i>Clinical and Experimental Allergy</i> , 1992 , 22, 809-22	4.1	95
311	The role of viral infections in exacerbations of chronic obstructive pulmonary disease and asthma. <i>Therapeutic Advances in Respiratory Disease</i> , 2016 , 10, 158-74	4.9	94
310	Vitamin D increases the antiviral activity of bronchial epithelial cells in vitro. <i>Antiviral Research</i> , 2017 , 137, 93-101	10.8	92
309	Rhinovirus viremia in children with respiratory infections. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 172, 1037-40	10.2	91
308	Rhinovirus infection up-regulates eotaxin and eotaxin-2 expression in bronchial epithelial cells. <i>Clinical and Experimental Allergy</i> , 2001 , 31, 1060-6	4.1	90
307	Echinacea in the prevention of induced rhinovirus colds: a meta-analysis. <i>Clinical Therapeutics</i> , 2006 , 28, 174-83	3.5	89
306	Combination therapy: Synergistic suppression of virus-induced chemokines in airway epithelial cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2006 , 34, 616-24	5.7	86

305	The effect of the orally active platelet-activating factor antagonist WEB 2086 in the treatment of asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1994 , 149, 1142-8	10.2	85
304	Febrile respiratory illnesses in infancy and atopy are risk factors for persistent asthma and wheeze. <i>European Respiratory Journal</i> , 2012 , 39, 876-82	13.6	84
303	Expression of programmed death-1 ligand (PD-L) 1, PD-L2, B7-H3, and inducible costimulator ligand on human respiratory tract epithelial cells and regulation by respiratory syncytial virus and type 1 and 2 cytokines. <i>Journal of Infectious Diseases</i> , 2006 , 193, 404-12	7	84
302	Biological exacerbation clusters demonstrate asthma and chronic obstructive pulmonary disease overlap with distinct mediator and microbiome profiles. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 141, 2027-2036.e12	11.5	83
301	Rhinovirus induces MUC5AC in a human infection model and in vitro via NF- κ B and EGFR pathways. <i>European Respiratory Journal</i> , 2010 , 36, 1425-35	13.6	83
300	Rhinovirus replication in human macrophages induces NF-kappaB-dependent tumor necrosis factor alpha production. <i>Journal of Virology</i> , 2006 , 80, 8248-58	6.6	83
299	EAACI position statement on asthma exacerbations and severe asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2013 , 68, 1520-31	9.3	81
298	An experimental model of rhinovirus induced chronic obstructive pulmonary disease exacerbations: a pilot study. <i>Respiratory Research</i> , 2006 , 7, 116	7.3	80
297	Airway Microbiota Dynamics Uncover a Critical Window for Interplay of Pathogenic Bacteria and Allergy in Childhood Respiratory Disease. <i>Cell Host and Microbe</i> , 2018 , 24, 341-352.e5	23.4	80
296	Frequency of detection of picornaviruses and seven other respiratory pathogens in infants. <i>Pediatric Infectious Disease Journal</i> , 2005 , 24, 611-6	3.4	79
295	Thorax update for the 60th year (October 2005September 2006). <i>Thorax</i> , 2006 , 61, 1035-1036	7.3	78
294	Thank you to all Thorax reviewers. <i>Thorax</i> , 2004 , 59, 6-7	7.3	78
293	Thorax Annual Report October 2004September 2005. <i>Thorax</i> , 2005 , 60, 987-988	7.3	78
292	Oral oseltamivir improves pulmonary function and reduces exacerbation frequency for influenza-infected children with asthma. <i>Pediatric Infectious Disease Journal</i> , 2005 , 24, 225-32	3.4	77
291	Amplified rhinovirus colds in atopic subjects. <i>Clinical and Experimental Allergy</i> , 1994 , 24, 457-64	4.1	77
290	The emerging role of microRNAs in regulating immune and inflammatory responses in the lung. <i>Immunological Reviews</i> , 2013 , 253, 198-215	11.3	76
289	Mechanisms of virus-induced asthma exacerbations: state-of-the-art. A GA2LEN and InterAirways document. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2007 , 62, 457-70	9.3	75
288	Overview of virus-induced airway disease. <i>Proceedings of the American Thoracic Society</i> , 2005 , 2, 150-6		75

287	Azithromycin for Acute Exacerbations of Asthma : The AZALEA Randomized Clinical Trial. <i>JAMA Internal Medicine</i> , 2016 , 176, 1630-1637	11.5	73
286	Innate immunity in the pathogenesis of virus-induced asthma exacerbations. <i>Proceedings of the American Thoracic Society</i> , 2007 , 4, 267-70		73
285	Respiratory epithelial cell expression of vascular cell adhesion molecule-1 and its up-regulation by rhinovirus infection via NF-kappaB and GATA transcription factors. <i>Journal of Biological Chemistry</i> , 1999 , 274, 30041-51	5.4	73
284	Toll-like receptor 7 governs interferon and inflammatory responses to rhinovirus and is suppressed by IL-5-induced lung eosinophilia. <i>Thorax</i> , 2015 , 70, 854-61	7.3	72
283	Increased nuclear suppressor of cytokine signaling 1 in asthmatic bronchial epithelium suppresses rhinovirus induction of innate interferons. <i>Journal of Allergy and Clinical Immunology</i> , 2015 , 136, 177-188.e11	11.5	72
282	Etiology of asthma exacerbations. <i>Journal of Allergy and Clinical Immunology</i> , 2008 , 122, 685-688	11.5	72
281	The immunology of virus infection in asthma. <i>European Respiratory Journal</i> , 2001 , 18, 1013-25	13.6	72
280	Lung microbiology and exacerbations in COPD. <i>International Journal of COPD</i> , 2012 , 7, 555-69	3	71
279	Development and implementation of guidelines in allergic rhinitis in an ARIA-GA2LEN paper. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2010 , 65, 1212-21	9.3	71
278	RANTES, macrophage-inhibitory protein 1alpha, and the eosinophil product major basic protein are released into upper respiratory secretions during virus-induced asthma exacerbations in children. <i>Journal of Infectious Diseases</i> , 1999 , 179, 677-81	7	71
277	A Comprehensive Evaluation of Nasal and Bronchial Cytokines and Chemokines Following Experimental Rhinovirus Infection in Allergic Asthma: Increased Interferons (IFN- γ and IFN- β) and Type 2 Inflammation (IL-5 and IL-13). <i>EBioMedicine</i> , 2017 , 19, 128-138	8.8	70
276	The role of macrolides in asthma: current evidence and future directions. <i>Lancet Respiratory Medicine</i> , 2014 , 2, 657-70	35.1	70
275	Allergic Rhinitis and its Impact on Asthma (ARIA) Phase 4 (2018): Change management in allergic rhinitis and asthma multimorbidity using mobile technology. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, 864-879	11.5	70
274	Natural and experimental rhinovirus infections of the lower respiratory tract. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1995 , 152, S46-52	10.2	69
273	Airway inflammation and illness severity in response to experimental rhinovirus infection in asthma. <i>Chest</i> , 2014 , 145, 1219-1229	5.3	68
272	Defining critical roles for NF- κ B p65 and type I interferon in innate immunity to rhinovirus. <i>EMBO Molecular Medicine</i> , 2012 , 4, 1244-60	12	68
271	Respiratory syncytial virus persistence in chronic obstructive pulmonary disease. <i>Pediatric Infectious Disease Journal</i> , 2008 , 27, S63-70	3.4	68
270	Mechanisms of rhinovirus-induced asthma. <i>Paediatric Respiratory Reviews</i> , 2004 , 5, 255-60	4.8	68

- 269 Chlamydia pneumoniae immunoglobulin A reactivation and airway inflammation in acute asthma. *European Respiratory Journal*, **2002**, 20, 834-40 13.6 67
- 268 Role of viral infections, atopy and antiviral immunity in the etiology of wheezing exacerbations among children and young adults. *Pediatric Infectious Disease Journal*, **2005**, 24, S217-22, discussion S220-1 11.4 66
- 267 Rhinovirus infection causes steroid resistance in airway epithelium through nuclear factor κ B and c-Jun N-terminal kinase activation. *Journal of Allergy and Clinical Immunology*, **2013**, 132, 1075-1085.e6 11.5 65
- 266 Research in progress: Medical Research Council United Kingdom Refractory Asthma Stratification Programme (RASP-UK). *Thorax*, **2016**, 71, 187-9 7.3 64
- 265 Viruses in asthma. *British Medical Bulletin*, **2002**, 61, 29-43 5.4 63
- 264 Assessing the association of early life antibiotic prescription with asthma exacerbations, impaired antiviral immunity, and genetic variants in 17q21: a population-based birth cohort study. *Lancet Respiratory Medicine*, **2014**, 2, 621-30 35.1 62
- 263 Detection of rhinovirus infection of the nasal mucosa by oligonucleotide in situ hybridization. *American Journal of Respiratory Cell and Molecular Biology*, **1994**, 10, 207-13 5.7 62
- 262 Inhaled corticosteroids downregulate the SARS-CoV-2 receptor ACE2 in COPD through suppression of type I interferon. *Journal of Allergy and Clinical Immunology*, **2021**, 147, 510-519.e5 11.5 61
- 261 Effectiveness of Influenza Vaccines in Asthma: A Systematic Review and Meta-Analysis. *Clinical Infectious Diseases*, **2017**, 65, 1388-1395 11.6 60
- 260 Rhinovirus infection increases 5-lipoxygenase and cyclooxygenase-2 in bronchial biopsy specimens from nonatopic subjects. *Journal of Infectious Diseases*, **2002**, 185, 540-4 7 60
- 259 Obesity and susceptibility to severe outcomes following respiratory viral infection. *Thorax*, **2013**, 68, 684-6 7.3 59
- 258 Aetiological role of viral and bacterial infections in acute adult lower respiratory tract infection (LRTI) in primary care. *Thorax*, **2006**, 61, 75-9 7.3 59
- 257 Prostaglandin D₂-induced bronchoconstriction is mediated only in part by the thromboxane prostanoid receptor. *European Respiratory Journal*, **1995**, 8, 411-5 13.6 59
- 256 A compendium answering 150 questions on COVID-19 and SARS-CoV-2. *Allergy: European Journal of Allergy and Clinical Immunology*, **2020**, 75, 2503-2541 9.3 58
- 255 Challenges in developing a cross-serotype rhinovirus vaccine. *Current Opinion in Virology*, **2015**, 11, 83-8 7.5 58
- 254 Viruses exacerbating chronic pulmonary disease: the role of immune modulation. *BMC Medicine*, **2012**, 10, 27 11.4 58
- 253 Rhinoviruses induce interleukin-8 mRNA and protein production in human monocytes. *Journal of Infectious Diseases*, **1997**, 175, 323-9 7 57
- 252 Increased proinflammatory responses from asthmatic human airway smooth muscle cells in response to rhinovirus infection. *Respiratory Research*, **2006**, 7, 71 7.3 57

251	National and regional asthma programmes in Europe. <i>European Respiratory Review</i> , 2015 , 24, 474-83	9.8	56
250	An anti-human ICAM-1 antibody inhibits rhinovirus-induced exacerbations of lung inflammation. <i>PLoS Pathogens</i> , 2013 , 9, e1003520	7.6	56
249	Corticosteroids and beta2 agonists differentially regulate rhinovirus-induced interleukin-6 via distinct Cis-acting elements. <i>Journal of Biological Chemistry</i> , 2007 , 282, 15366-75	5.4	56
248	Pathogenesis of Viral Infection in Exacerbations of Airway Disease. <i>Annals of the American Thoracic Society</i> , 2015 , 12 Suppl 2, S115-32	4.7	56
247	Cross-serotype immunity induced by immunization with a conserved rhinovirus capsid protein. <i>PLoS Pathogens</i> , 2013 , 9, e1003669	7.6	55
246	RSV-induced bronchial epithelial cell PD-L1 expression inhibits CD8+ T cell nonspecific antiviral activity. <i>Journal of Infectious Diseases</i> , 2011 , 203, 85-94	7	55
245	Staphylococcus aureus Induces a Mucosal Type 2 Immune Response via Epithelial Cell-derived Cytokines. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 198, 452-463	10.2	55
244	Inhaled corticosteroids and pneumonia in chronic obstructive pulmonary disease. <i>Lancet Respiratory Medicine</i> , 2014 , 2, 919-932	35.1	54
243	Role of interleukin 33 in respiratory allergy and asthma. <i>Lancet Respiratory Medicine</i> , 2014 , 2, 226-37	35.1	54
242	Peripheral blood CD4+ and CD8+ T cell type 1 and type 2 cytokine production in atopic asthmatic and normal subjects. <i>Clinical and Experimental Allergy</i> , 2002 , 32, 427-33	4.1	54
241	Risk of adverse outcomes in patients with underlying respiratory conditions admitted to hospital with COVID-19: a national, multicentre prospective cohort study using the ISARIC WHO Clinical Characterisation Protocol UK. <i>Lancet Respiratory Medicine</i> , 2021 , 9, 699-711	35.1	54
240	Mucosal Type 2 Innate Lymphoid Cells Are a Key Component of the Allergic Response to Aeroallergens. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 1586-1596	10.2	53
239	Neonatal bronchial hyperresponsiveness precedes acute severe viral bronchiolitis in infants. <i>Journal of Allergy and Clinical Immunology</i> , 2012 , 130, 354-61.e3	11.5	53
238	Exacerbations of asthma and chronic obstructive pulmonary disease (COPD): focus on virus induced exacerbations. <i>Current Pharmaceutical Design</i> , 2007 , 13, 73-97	3.3	53
237	Rhinovirus infection induces major histocompatibility complex class I and costimulatory molecule upregulation on respiratory epithelial cells. <i>Journal of Infectious Diseases</i> , 2000 , 181, 1780-4	7	53
236	Fragment-derived inhibitors of human N-myristoyltransferase block capsid assembly and replication of the common cold virus. <i>Nature Chemistry</i> , 2018 , 10, 599-606	17.6	53
235	Oxidative and Nitrosative Stress and Histone Deacetylase-2 Activity in Exacerbations of COPD. <i>Chest</i> , 2016 , 149, 62-73	5.3	52
234	The role of IL-15 deficiency in the pathogenesis of virus-induced asthma exacerbations. <i>PLoS Pathogens</i> , 2011 , 7, e1002114	7.6	51

233	Leukotrienes as a target in asthma therapy. <i>Drugs</i> , 1994 , 47, 12-24	12.1	51
232	New paradigms in the pathogenesis of chronic obstructive pulmonary disease II. <i>Proceedings of the American Thoracic Society</i> , 2009 , 6, 532-4		50
231	Lung function prior to viral lower respiratory tract infections in prematurely born infants. <i>Thorax</i> , 2011 , 66, 468-73	7.3	50
230	Mouse respiratory epithelial cells support efficient replication of human rhinovirus. <i>Journal of General Virology</i> , 2003 , 84, 2829-2836	4.9	50
229	Corticosteroids inhibit rhinovirus-induced intercellular adhesion molecule-1 up-regulation and promoter activation on respiratory epithelial cells. <i>Journal of Allergy and Clinical Immunology</i> , 2000 , 105, 318-26	11.5	50
228	Rhinovirus identification by BglI digestion of picornavirus RT-PCR amplicons. <i>Journal of Virological Methods</i> , 1999 , 80, 179-85	2.6	50
227	Guidance to 2018 good practice: ARIA digitally-enabled, integrated, person-centred care for rhinitis and asthma. <i>Clinical and Translational Allergy</i> , 2019 , 9, 16	5.2	49
226	Locally instructed CXCR4 neutrophils trigger environment-driven allergic asthma through the release of neutrophil extracellular traps. <i>Nature Immunology</i> , 2019 , 20, 1444-1455	19.1	48
225	Increased frequency of detection of Chlamydophila pneumoniae in asthma. <i>European Respiratory Journal</i> , 2004 , 24, 745-9	13.6	48
224	Cytokine Responses to Rhinovirus and Development of Asthma, Allergic Sensitization, and Respiratory Infections during Childhood. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 197, 1265-1274	10.2	47
223	Effect of desloratadine and loratadine on rhinovirus-induced intercellular adhesion molecule 1 upregulation and promoter activation in respiratory epithelial cells. <i>Journal of Allergy and Clinical Immunology</i> , 2001 , 108, 221-8	11.5	45
222	Influenza infection and COPD. <i>International Journal of COPD</i> , 2007 , 2, 55-64	3	45
221	CXC chemokines and antimicrobial peptides in rhinovirus-induced experimental asthma exacerbations. <i>Clinical and Experimental Allergy</i> , 2014 , 44, 930-9	4.1	44
220	Role of xanthine oxidase activation and reduced glutathione depletion in rhinovirus induction of inflammation in respiratory epithelial cells. <i>Journal of Biological Chemistry</i> , 2008 , 283, 28595-606	5.4	44
219	Local CD11c+ MHC class II- precursors generate lung dendritic cells during respiratory viral infection, but are depleted in the process. <i>Journal of Immunology</i> , 2006 , 177, 2536-42	5.3	44
218	Reducing agents inhibit rhinovirus-induced up-regulation of the rhinovirus receptor intercellular adhesion molecule-1 (ICAM-1) in respiratory epithelial cells. <i>FASEB Journal</i> , 2002 , 16, 1934-6	0.9	44
217	Role of airway glucose in bacterial infections in patients with chronic obstructive pulmonary disease. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 142, 815-823.e6	11.5	42
216	Rhinovirus-induced alterations on peripheral blood mononuclear cell phenotype and costimulatory molecule expression in normal and atopic asthmatic subjects. <i>Clinical and Experimental Allergy</i> , 2002 , 32, 537-42	4.1	42

215	Airborne rhinovirus detection and effect of ultraviolet irradiation on detection by a semi-nested RT-PCR assay. <i>BMC Public Health</i> , 2003 , 3, 5	4.1	42
214	The relationship between atopic status and IL-10 nasal lavage levels in the acute and persistent inflammatory response to upper respiratory tract infection. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001 , 163, 1101-7	10.2	42
213	Macrolide antibiotics and asthma treatment. <i>Journal of Allergy and Clinical Immunology</i> , 2006 , 117, 1233-6	11.5	41
212	Bronchial mucosal IFN- γ and pattern recognition receptor expression in patients with experimental rhinovirus-induced asthma exacerbations. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, 114-125.e4	11.5	41
211	Matrix Metalloproteinase-1 Activation Contributes to Airway Smooth Muscle Growth and Asthma Severity. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 1000-1009	10.2	39
210	Rhinovirus infections and immunisation induce cross-serotype reactive antibodies to VP1. <i>Antiviral Research</i> , 2012 , 95, 193-201	10.8	39
209	Viruses and asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 1998 , 53, 922-32	9.3	39
208	Immunohistochemical analysis of nasal biopsies during rhinovirus experimental colds. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1994 , 150, 1130-6	10.2	39
207	Systemic tryptophan and kynurenine catabolite levels relate to severity of rhinovirus-induced asthma exacerbation: a prospective study with a parallel-group design. <i>Thorax</i> , 2013 , 68, 1122-30	7.3	38
206	Rhinovirus infection and house dust mite exposure synergize in inducing bronchial epithelial cell interleukin-8 release. <i>Clinical and Experimental Allergy</i> , 2008 , 38, 1615-26	4.1	38
205	Pathogenesis of respiratory syncytial virus bronchiolitis-related wheezing. <i>Paediatric Respiratory Reviews</i> , 2004 , 5 Suppl A, S179-84	4.8	38
204	The MIF Antagonist ISO-1 Attenuates Corticosteroid-Insensitive Inflammation and Airways Hyperresponsiveness in an Ozone-Induced Model of COPD. <i>PLoS ONE</i> , 2016 , 11, e0146102	3.7	38
203	Use of induced sputum for the diagnosis of influenza and infections in asthma: a comparison of diagnostic techniques. <i>Journal of Clinical Virology</i> , 2003 , 26, 339-46	14.5	37
202	Adherence to treatment in allergic rhinitis using mobile technology. The MASK Study. <i>Clinical and Experimental Allergy</i> , 2019 , 49, 442-460	4.1	37
201	Building Bridges for Innovation in Ageing: Synergies between Action Groups of the EIP on AHA. <i>Journal of Nutrition, Health and Aging</i> , 2017 , 21, 92-104	5.2	36
200	The effects of an oral thromboxane TP receptor antagonist BAY u 3405, on prostaglandin D ₂ - and histamine-induced bronchoconstriction in asthma, and relationship to plasma drug concentrations. <i>British Journal of Clinical Pharmacology</i> , 1992 , 34, 402-8	3.8	36
199	Inhaled corticosteroid suppression of cathelicidin drives dysbiosis and bacterial infection in chronic obstructive pulmonary disease. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	35
198	Echinacea reduces the risk of recurrent respiratory tract infections and complications: a meta-analysis of randomized controlled trials. <i>Advances in Therapy</i> , 2015 , 32, 187-200	4.1	35

197	Rhinovirus infection induces expression of airway remodelling factors in vitro and in vivo. <i>Respirology</i> , 2011 , 16, 367-77	3.6	35
196	TLR3, TLR4 and TLRs7-9 Induced Interferons Are Not Impaired in Airway and Blood Cells in Well Controlled Asthma. <i>PLoS ONE</i> , 2013 , 8, e65921	3.7	35
195	Composite type-2 biomarker strategy versus a symptom-risk-based algorithm to adjust corticosteroid dose in patients with severe asthma: a multicentre, single-blind, parallel group, randomised controlled trial. <i>Lancet Respiratory Medicine</i> , 2021 , 9, 57-68	35.1	35
194	CCL7 and IRF-7 Mediate Hallmark Inflammatory and IFN Responses following Rhinovirus 1B Infection. <i>Journal of Immunology</i> , 2015 , 194, 4924-30	5.3	34
193	The influence of asthma control on the severity of virus-induced asthma exacerbations. <i>Journal of Allergy and Clinical Immunology</i> , 2015 , 136, 497-500.e3	11.5	34
192	Plasmacytoid dendritic cells drive acute asthma exacerbations. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 142, 542-556.e12	11.5	34
191	Scaling up strategies of the chronic respiratory disease programme of the European Innovation Partnership on Active and Healthy Ageing (Action Plan B3: Area 5). <i>Clinical and Translational Allergy</i> , 2016 , 6, 29	5.2	34
190	Lack of an exaggerated inflammatory response on virus infection in cystic fibrosis. <i>European Respiratory Journal</i> , 2012 , 39, 297-304	13.6	34
189	Viruses as precipitants of asthma symptoms. III. Rhinoviruses: molecular biology and prospects for future intervention. <i>Clinical and Experimental Allergy</i> , 1993 , 23, 237-46	4.1	34
188	Vitamin D attenuates rhinovirus-induced expression of intercellular adhesion molecule-1 (ICAM-1) and platelet-activating factor receptor (PAFR) in respiratory epithelial cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019 , 187, 152-159	5.1	34
187	Inhaled dsRNA and rhinovirus evoke neutrophilic exacerbation and lung expression of thymic stromal lymphopoietin in allergic mice with established experimental asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2014 , 69, 348-58	9.3	33
186	IL-15 complexes induce NK- and T-cell responses independent of type I IFN signaling during rhinovirus infection. <i>Mucosal Immunology</i> , 2014 , 7, 1151-64	9.2	33
185	RSV infection modulates IL-15 production and MICA levels in respiratory epithelial cells. <i>European Respiratory Journal</i> , 2012 , 39, 712-20	13.6	33
184	Role of interleukin-1 and MyD88-dependent signaling in rhinovirus infection. <i>Journal of Virology</i> , 2011 , 85, 7912-21	6.6	33
183	Cough and viruses in airways disease: mechanisms. <i>Pulmonary Pharmacology and Therapeutics</i> , 2009 , 22, 108-13	3.5	33
182	Protein kinase R, IkappaB kinase-beta and NF-kappaB are required for human rhinovirus induced pro-inflammatory cytokine production in bronchial epithelial cells. <i>Molecular Immunology</i> , 2007 , 44, 1587-97	4.3	33
181	IL-1beta induces IL-8 in bronchial cells via NF-kappaB and NF-IL6 transcription factors and can be suppressed by glucocorticoids. <i>Pulmonary Pharmacology and Therapeutics</i> , 2005 , 18, 337-45	3.5	33
180	A short-term mouse model that reproduces the immunopathological features of rhinovirus-induced exacerbation of COPD. <i>Clinical Science</i> , 2015 , 129, 245-58	6.5	32

179	Genetic predisposition of RSV infection-related respiratory morbidity in preterm infants. <i>European Journal of Pediatrics</i> , 2014 , 173, 905-12	4.1	32
178	The role of macrophage IL-10/innate IFN interplay during virus-induced asthma. <i>Reviews in Medical Virology</i> , 2015 , 25, 33-49	11.7	32
177	Lower airway colonization and inflammatory response in COPD: a focus on Haemophilus influenzae. <i>International Journal of COPD</i> , 2014 , 9, 1119-32	3	32
176	Impaired type I and type III interferon induction and rhinovirus control in human cystic fibrosis airway epithelial cells. <i>Thorax</i> , 2012 , 67, 517-25	7.3	32
175	Addressing unmet needs in understanding asthma mechanisms: From the European Asthma Research and Innovation Partnership (EARIP) Work Package (WP)2 collaborators. <i>European Respiratory Journal</i> , 2017 , 49,	13.6	31
174	Tolerogenic signaling by pulmonary CD1c+ dendritic cells induces regulatory T cells in patients with chronic obstructive pulmonary disease by IL-27/IL-10/inducible costimulator ligand. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 134, 944-954.e8	11.5	31
173	III cells suppress inflammation and disease during rhinovirus-induced asthma exacerbations. <i>Mucosal Immunology</i> , 2013 , 6, 1091-100	9.2	31
172	LTB4 increases nasal neutrophil activity and conditions neutrophils to exert antiviral effects. <i>Respiratory Medicine</i> , 2011 , 105, 997-1006	4.6	31
171	Rhinovirus infection induces extracellular matrix protein deposition in asthmatic and nonasthmatic airway smooth muscle cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011 , 300, L951-7	5.8	31
170	Genetics and epidemiology: asthma and infection. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2009 , 9, 395-400	3.3	31
169	Airway Epithelial Orchestration of Innate Immune Function in Response to Virus Infection. A Focus on Asthma. <i>Annals of the American Thoracic Society</i> , 2016 , 13 Suppl 1, S55-63	4.7	31
168	The potential of anti-infectives and immunomodulators as therapies for asthma and asthma exacerbations. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018 , 73, 50-63	9.3	29
167	Vitamin D receptor genotype influences risk of upper respiratory infection. <i>British Journal of Nutrition</i> , 2018 , 120, 891-900	3.6	29
166	Small interfering RNAs targeted to interleukin-4 and respiratory syncytial virus reduce airway inflammation in a mouse model of virus-induced asthma exacerbation. <i>Human Gene Therapy</i> , 2014 , 25, 642-50	4.8	29
165	Rhinovirus infection and healthcare utilisation in prematurely born infants. <i>European Respiratory Journal</i> , 2013 , 42, 1029-36	13.6	29
164	Peak expiratory flow changes during experimental rhinovirus infection. <i>European Respiratory Journal</i> , 2000 , 16, 980-5	13.6	29
163	Antiviral immunity is impaired in COPD patients with frequent exacerbations. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019 , 317, L893-L903	5.8	28
162	Identification of novel macrolides with antibacterial, anti-inflammatory and type I and III IFN-augmenting activity in airway epithelium. <i>Journal of Antimicrobial Chemotherapy</i> , 2016 , 71, 2767-81	5.1	28

161	Salmeterol attenuates chemotactic responses in rhinovirus-induced exacerbation of allergic airways disease by modulating protein phosphatase 2A. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 133, 1720-7	11.5	28
160	The role of antibiotics in asthma. <i>International Journal of Antimicrobial Agents</i> , 2007 , 29, 485-93	14.3	28
159	Gas cooking and smoking habits and the risk of childhood and adolescent wheeze. <i>American Journal of Epidemiology</i> , 2005 , 162, 513-22	3.8	28
158	Diagnosis of pathogens in exacerbations of chronic obstructive pulmonary disease. <i>Proceedings of the American Thoracic Society</i> , 2007 , 4, 642-6		27
157	Chlamydia pneumoniae and COPD exacerbation. <i>Thorax</i> , 2002 , 57, 1087-8; author reply 1088-9	7.3	27
156	A multiplex RT-PCR for the detection of parainfluenza viruses 1-3 in clinical samples. <i>Journal of Virological Methods</i> , 1999 , 82, 9-18	2.6	27
155	The role of viral and atypical bacterial pathogens in asthma pathogenesis. <i>Pediatric Pulmonology</i> , 1999 , 27, 141-143	3.5	27
154	The effect of BAY u 3405, a thromboxane receptor antagonist, on prostaglandin D2-induced nasal blockage. <i>Journal of Allergy and Clinical Immunology</i> , 1993 , 91, 903-9	11.5	27
153	Epidemiology of Viral Respiratory Tract Infections 1996 , 1-38		27
152	Duration of wheezy episodes in early childhood is independent of the microbial trigger. <i>Journal of Allergy and Clinical Immunology</i> , 2015 , 136, 1208-14.e1-5	11.5	26
151	Respiratory viruses: do they protect from or induce asthma?. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2002 , 57, 1118-29	9.3	26
150	Recent advances in understanding rhinovirus immunity. <i>F1000Research</i> , 2018 , 7,	3.6	26
149	Detection of exacerbations in asthma based on electronic diary data: results from the 1-year prospective BIOAIR study. <i>Thorax</i> , 2013 , 68, 611-8	7.3	25
148	Human rhinoviruses enter and induce proliferation of B lymphocytes. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2017 , 72, 232-243	9.3	24
147	Respiratory outcome of prematurely born infants following human rhinovirus A and C infections. <i>European Journal of Pediatrics</i> , 2014 , 173, 913-9	4.1	24
146	Role of microbiome in the pathophysiology and disease course of asthma. <i>Current Opinion in Pulmonary Medicine</i> , 2017 , 23, 41-47	3	24
145	Rhinovirus-induced basic fibroblast growth factor release mediates airway remodeling features. <i>Clinical and Translational Allergy</i> , 2012 , 2, 14	5.2	24
144	New treatment regimes for virus-induced exacerbations of asthma. <i>Pulmonary Pharmacology and Therapeutics</i> , 2006 , 19, 320-34	3.5	24

143	Is Chlamydia pneumoniae important in asthma? The first controlled trial of therapy leaves the question unanswered. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001 , 164, 513-4	10.2	24
142	Toll-like receptor 3 blockade in rhinovirus-induced experimental asthma exacerbations: A randomized controlled study. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 141, 1220-1230	11.5	24
141	Experimental rhinovirus infection in COPD: implications for antiviral therapies. <i>Antiviral Research</i> , 2014 , 102, 95-105	10.8	23
140	Human rhinovirus 16 causes Golgi apparatus fragmentation without blocking protein secretion. <i>Journal of Virology</i> , 2014 , 88, 11671-85	6.6	23
139	Raised interferon- γ type 3 interferon and interferon-stimulated genes - evidence of innate immune activation in neutrophilic asthma. <i>Clinical and Experimental Allergy</i> , 2017 , 47, 313-323	4.1	23
138	Mechanisms of adverse effects of β -agonists in asthma. <i>Thorax</i> , 2009 , 64, 739-41	7.3	23
137	A comparison of RT-PCR, in-situ hybridisation and in-situ RT-PCR for the detection of rhinovirus infection in paraffin sections. <i>Journal of Virological Methods</i> , 1997 , 67, 153-60	2.6	23
136	Rhinovirus infections: more than a common cold. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006 , 174, 1284-5	10.2	23
135	ERS/EAACI statement on severe exacerbations in asthma in adults: facts, priorities and key research questions. <i>European Respiratory Journal</i> , 2019 , 54,	13.6	22
134	Interferon response of the cystic fibrosis bronchial epithelium to major and minor group rhinovirus infection. <i>Journal of Cystic Fibrosis</i> , 2016 , 15, 332-9	4.1	22
133	Lung function of preterm infants before and after viral infections. <i>European Journal of Pediatrics</i> , 2014 , 173, 1497-504	4.1	22
132	Neutrophil adhesion molecules in experimental rhinovirus infection in COPD. <i>Respiratory Research</i> , 2013 , 14, 72	7.3	22
131	Molecular mechanisms of respiratory virus-induced asthma and COPD exacerbations and pneumonia. <i>Current Medicinal Chemistry</i> , 2006 , 13, 2267-90	4.3	22
130	Spectrum of activity of soluble intercellular adhesion molecule-1 against rhinovirus reference strains and field isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 1994 , 38, 1413-5	5.9	22
129	M1-like macrophages are potent producers of anti-viral interferons and M1-associated marker-positive lung macrophages are decreased during rhinovirus-induced asthma exacerbations. <i>EBioMedicine</i> , 2020 , 54, 102734	8.8	22
128	Innate Immune Response to Viral Infections in Primary Bronchial Epithelial Cells is Modified by the Atopic Status of Asthmatic Patients. <i>Allergy, Asthma and Immunology Research</i> , 2018 , 10, 144-154	5.3	21
127	Human Rhinovirus Impairs the Innate Immune Response to Bacteria in Alveolar Macrophages in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 199, 1496-1507	10.2	21
126	Toward personalization of asthma treatment according to trigger factors. <i>Journal of Allergy and Clinical Immunology</i> , 2020 , 145, 1529-1534	11.5	20

125	The protective effect of childhood infections. <i>BMJ: British Medical Journal</i> , 2001 , 322, 376-7		20
124	Longitudinal changes in skin-prick test reactivity over 2 years in a population of schoolchildren with respiratory symptoms. <i>Clinical and Experimental Allergy</i> , 1992 , 22, 948-57	4.1	20
123	Epitope-specific airway-resident CD4+ T cell dynamics during experimental human RSV infection. <i>Journal of Clinical Investigation</i> , 2020 , 130, 523-538	15.9	20
122	Signalling pathways mediating type I interferon gene expression. <i>Microbes and Infection</i> , 2007 , 9, 1245-53	5.3	19
121	Tbet Deficiency Causes T Helper Cell Dependent Airways Eosinophilia and Mucus Hypersecretion in Response to Rhinovirus Infection. <i>PLoS Pathogens</i> , 2016 , 12, e1005913	7.6	19
120	Evaluation of coagulation activation after rhinovirus infection in patients with asthma and healthy control subjects: an observational study. <i>Respiratory Research</i> , 2014 , 15, 14	7.3	18
119	Rhinovirus-induced VP1-specific Antibodies are Group-specific and Associated With Severity of Respiratory Symptoms. <i>EBioMedicine</i> , 2015 , 2, 64-70	8.8	18
118	IFN Deficiency in Asthma Attacks. Is Restoring Toll-like Receptor-7 Expression a New Treatment Approach in Severe Asthma?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 194, 1-3	10.2	18
117	Immune mechanisms of respiratory viral infections in asthma. <i>Current Opinion in Immunology</i> , 2017 , 48, 31-37	7.8	17
116	Problems and prospects of developing effective therapy for common cold viruses. <i>Trends in Microbiology</i> , 1997 , 5, 58-63	12.4	17
115	Zanamivir: a review of clinical safety in individuals at high risk of developing influenza-related complications. <i>Drug Safety</i> , 2001 , 24, 1113-25	5.1	17
114	Viral lower respiratory tract infections and preterm infantsPhealthcare utilisation. <i>European Journal of Pediatrics</i> , 2015 , 174, 209-15	4.1	16
113	Lymphocyte subsets in experimental rhinovirus infection in chronic obstructive pulmonary disease. <i>Respiratory Medicine</i> , 2014 , 108, 78-85	4.6	16
112	Inhibiting AKT phosphorylation employing non-cytotoxic anthraquinones ameliorates TH2 mediated allergic airways disease and rhinovirus exacerbation. <i>PLoS ONE</i> , 2013 , 8, e79565	3.7	16
111	Cord blood hemopoietic progenitor profiles predict acute respiratory symptoms in infancy. <i>Pediatric Allergy and Immunology</i> , 2008 , 19, 239-47	4.2	16
110	Induction of type 2 activity in adult human CD8(+) T cells by repeated stimulation and IL-4. <i>International Immunology</i> , 2001 , 13, 341-8	4.9	16
109	Development and characterization of DNAzyme candidates demonstrating significant efficiency against human rhinoviruses. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, 1403-1415	11.5	16
108	Pathogen sensing pathways in human embryonic stem cell derived-endothelial cells: role of NOD1 receptors. <i>PLoS ONE</i> , 2014 , 9, e91119	3.7	15

107	Experimental rhinovirus 16 infection in moderate asthmatics on inhaled corticosteroids. <i>European Respiratory Journal</i> , 2014 , 43, 1186-9	13.6	15
106	The effect of local hyperthermia on allergen-induced nasal congestion and mediator release. <i>Journal of Allergy and Clinical Immunology</i> , 1993 , 92, 850-6	11.5	15
105	Microbiome balance in sputum determined by PCR stratifies COPD exacerbations and shows potential for selective use of antibiotics. <i>PLoS ONE</i> , 2017 , 12, e0182833	3.7	15
104	Mouse models of rhinovirus infection and airways disease. <i>Methods in Molecular Biology</i> , 2015 , 1221, 181-8	1.4	15
103	Repurposing Existing Drugs for the Treatment of COVID-19. <i>Annals of the American Thoracic Society</i> , 2020 , 17, 1186-1194	4.7	15
102	Reprogramming of lysosomal gene expression by interleukin-4 and Stat6. <i>BMC Genomics</i> , 2013 , 14, 853	4.5	14
101	Interleukin-18 is associated with protection against rhinovirus-induced colds and asthma exacerbations. <i>Clinical Infectious Diseases</i> , 2015 , 60, 1528-31	11.6	14
100	Role of PD-L1/PD-1 in the immune response to respiratory viral infections. <i>Microbes and Infection</i> , 2012 , 14, 495-9	9.3	14
99	Trajectories of childhood immune development and respiratory health relevant to asthma and allergy. <i>ELife</i> , 2018 , 7,	8.9	14
98	Investigation of the Role of Protein Kinase D in Human Rhinovirus Replication. <i>Journal of Virology</i> , 2017 , 91,	6.6	13
97	Agonists Enhance Asthma-Relevant Inflammatory Mediators in Human Airway Epithelial Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018 , 58, 128-132	5.7	13
96	Picornavirus-Induced Airway Mucosa Immune Profile in Asymptomatic Neonates. <i>Journal of Infectious Diseases</i> , 2016 , 213, 1262-70	7	13
95	Anti-influenza therapies. <i>Virus Research</i> , 2002 , 82, 147-52	6.4	13
94	Anti-inflammatory effects of the novel inhaled phosphodiesterase type 4 inhibitor CHF6001 on virus-inducible cytokines. <i>Pharmacology Research and Perspectives</i> , 2016 , 4, e00202	3.1	13
93	Anti-viral agents: potential utility in exacerbations of asthma. <i>Current Opinion in Pharmacology</i> , 2013 , 13, 331-6	5.1	12
92	Interferon-lambda as a new approach for treatment of allergic asthma?. <i>EMBO Molecular Medicine</i> , 2011 , 3, 306-8	12	12
91	Role of respiratory viral infections in the development of atopic conditions. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2008 , 8, 150-3	3.3	12
90	Experimental models of rhinovirus-induced exacerbations of asthma: where to now?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003 , 168, 1145-6	10.2	12

89	Increased aeroallergen-specific interleukin-4-producing T cells in asthmatic adults. <i>Clinical and Experimental Allergy</i> , 2002 , 32, 1739-44	4.1	12
88	A hypothesis: antenatal sensitisation to respiratory syncytial virus in viral bronchiolitis. <i>Archives of Disease in Childhood</i> , 2002 , 86, 431-3	2.2	12
87	The role of viruses in the induction and progression of asthma. <i>Current Allergy and Asthma Reports</i> , 2001 , 1, 144-52	5.6	11
86	Leukocyte responses to experimental infection with human rhinovirus. <i>Journal of Allergy and Clinical Immunology</i> , 1994 , 94, 1255-62	11.5	11
85	Pathophysiology of viral-induced exacerbations of COPD. <i>International Journal of COPD</i> , 2007 , 2, 477-83	3	11
84	Effect of fluticasone propionate on virus-induced airways inflammation and anti-viral immune responses in mice. <i>Lancet, The</i> , 2015 , 385 Suppl 1, S88	4.0	10
83	Bronchial platelet-activating factor receptor in chronic obstructive pulmonary disease. <i>Respiratory Medicine</i> , 2014 , 108, 898-904	4.6	10
82	Reduced sputum expression of interferon-stimulated genes in severe COPD. <i>International Journal of COPD</i> , 2016 , 11, 1485-94	3	10
81	Functional and genetic predisposition to rhinovirus lower respiratory tract infections in prematurely born infants. <i>European Journal of Pediatrics</i> , 2016 , 175, 1943-1949	4.1	10
80	Bacterial flagellin promotes viral entry via an NF- κ B and Toll Like Receptor 5 dependent pathway. <i>Scientific Reports</i> , 2019 , 9, 7903	4.9	9
79	Middle airway obstruction—it may be happening under our noses. <i>Thorax</i> , 2013 , 68, 396-8	7.3	9
78	Cytokine production of RSV/PHA-stimulated tonsillar mononuclear cells: influences of age and atopy. <i>European Respiratory Journal</i> , 2003 , 22, 317-22	13.6	9
77	Impact of viruses on airway diseases. <i>European Respiratory Review</i> , 2005 , 14, 57-61	9.8	9
76	Inflammation and infections in unreported chronic obstructive pulmonary disease exacerbations. <i>International Journal of COPD</i> , 2019 , 14, 823-832	3	8
75	The application of prophylactic antibodies for rhinovirus infections. <i>Antiviral Chemistry and Chemotherapy</i> , 2014 , 23, 173-7	3.5	8
74	Asthma survey items as predictors of respiratory problems in children 2 yrs later: a longitudinal study. <i>European Respiratory Journal</i> , 1999 , 14, 650-8	13.6	8
73	Comparative Metabolomic Sampling of Upper and Lower Airways by Four Different Methods to Identify Biochemicals That May Support Bacterial Growth. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018 , 8, 432	5.9	8
72	Immunological pathways in virus-induced COPD exacerbations: a role for IL-15. <i>European Journal of Clinical Investigation</i> , 2012 , 42, 1010-5	4.6	7

71	IL-4 increases type 2, but not type 1, cytokine production in CD8+ T cells from mild atopic asthmatics. <i>Respiratory Research</i> , 2005 , 6, 67	7.3	7
70	Cardiac tamponade due to pneumopericardium. <i>Thorax</i> , 1988 , 43, 482-3	7.3	7
69	Echinacea reduces antibiotic usage in children through respiratory tract infection prevention: a randomized, blinded, controlled clinical trial. <i>European Journal of Medical Research</i> , 2021 , 26, 33	4.8	7
68	Dual role of the miR-146 family in rhinovirus-induced airway inflammation and allergic asthma exacerbation. <i>Clinical and Translational Medicine</i> , 2021 , 11, e427	5.7	7
67	IFN- γ enhances Staphylococcus aureus clearance in healthy nasal mucosa but not in nasal polyps. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, 1416-1425.e4	11.5	7
66	Efficacy of novel antibody-based drugs against rhinovirus infection: In vitro and in vivo results. <i>Antiviral Research</i> , 2017 , 142, 185-192	10.8	6
65	Asthma: a chronic infectious disease?. <i>Clinics in Chest Medicine</i> , 2012 , 33, 473-84	5.3	6
64	Models of infection and exacerbations in COPD. <i>Current Opinion in Pharmacology</i> , 2007 , 7, 259-65	5.1	6
63	Attenuation of exercise induced asthma by local hyperthermia. <i>Thorax</i> , 1992 , 47, 592-7	7.3	6
62	Rhinovirus induction of fractalkine (CX3CL1) in airway and peripheral blood mononuclear cells in asthma. <i>PLoS ONE</i> , 2017 , 12, e0183864	3.7	5
61	Inhaled corticosteroids downregulate the SARS-CoV-2 receptor ACE2 in COPD through suppression of type I interferon		5
60	Rhinovirus-induced CCL17 and CCL22 in Asthma Exacerbations and Differential Regulation by STAT6. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021 , 64, 344-356	5.7	5
59	The role of respiratory syncytial virus- and rhinovirus-induced bronchiolitis in recurrent wheeze and asthma-A systematic review and meta-analysis.. <i>Pediatric Allergy and Immunology</i> , 2022 , 33, e13741	4.2	5
58	Epitope mapping of antibodies induced with a conserved rhinovirus protein generating protective anti-rhinovirus immunity. <i>Vaccine</i> , 2019 , 37, 2805-2813	4.1	4
57	A human rhinovirus model of chronic obstructive pulmonary disease exacerbations. <i>Contributions To Microbiology</i> , 2007 , 14, 101-112		4
56	Unravelling synergistic immune interactions between respiratory virus infections and allergic airway inflammation. <i>Clinical and Experimental Allergy</i> , 2004 , 34, 1153-5	4.1	4
55	Increased sensitivity to the consequences of rhinoviral infection in atopic subjects. <i>Chest</i> , 1995 , 107, 157S	5.3	4
54	Type 2 cytokines in respiratory syncytial virus bronchiolitis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004 , 169, 1167-8; author reply 1168	10.2	4

53	Beclomethasone Has Lesser Suppressive Effects on Inflammation and Antibacterial Immunity Than Fluticasone or Budesonide in Experimental Infection Models. <i>Chest</i> , 2020 , 158, 947-951	5.3	4
52	Dynamics of the upper airway microbiome in the pathogenesis of asthma-associated persistent wheeze in preschool children		4
51	miR-122 promotes virus-induced lung disease by targeting SOCS1. <i>JCI Insight</i> , 2021 , 6,	9.9	4
50	Bronchial mucosal inflammation and illness severity in response to experimental rhinovirus infection in COPD. <i>Journal of Allergy and Clinical Immunology</i> , 2020 , 146, 840-850.e7	11.5	4
49	Glucocorticoids impair type I IFN signalling and enhance rhinovirus replication. <i>European Journal of Pharmacology</i> , 2021 , 893, 173839	5.3	4
48	Pandemic influenza A (H1N1) virus 2009 in a prospectively followed cohort of prematurely born infants. <i>Pediatric Infectious Disease Journal</i> , 2012 , 31, 91-2	3.4	3
47	A simultaneous, noninvasive comparison with sinus rhythm, of two activity sensing, rate adaptive pacemakers, in an elderly population. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1991 , 14, 20-7	1.6	3
46	Comparison of 3P and 5P biotin labelled oligonucleotides for in situ hybridisation. <i>Histochemistry</i> , 1993 , 100, 387-92		3
45	MUC5AC drives COPD exacerbation severity through amplification of virus-induced airway inflammation		3
44	Experimental Antiviral Therapeutic Studies for Human Rhinovirus Infections. <i>Journal of Experimental Pharmacology</i> , 2021 , 13, 645-659	3	3
43	Experimental rhinovirus infection induces an antiviral response in circulating B cells which is dysregulated in patients with asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 ,	9.3	3
42	Parainfluenza Viruses 409-439		3
41	Retraction notice to "Efficacy of novel antibody-based drugs against rhinovirus infection: In vitro and in vivo results" [Antiviral Research 142 (2017) 185-192]. <i>Antiviral Research</i> , 2019 , 164, 176	10.8	2
40	Profiling of H3K27Ac Reveals the Influence of Asthma on the Epigenome of the Airway Epithelium. <i>Frontiers in Genetics</i> , 2020 , 11, 585746	4.5	2
39	Exacerbations of chronic respiratory diseases 2019 , 137-168		2
38	Soluble major histocompatibility complex class I-related chain B molecules are increased and correlate with clinical outcomes during rhinovirus infection in healthy subjects. <i>Chest</i> , 2014 , 146, 32-40	5.3	2
37	Rhinoviruses 361-377		2
36	Journal impact factors for 2004: another rise for Thorax. <i>Thorax</i> , 2005 , 60, 712	7.3	2

35	Impact of COVID-19 on people with asthma: a mixed methods analysis from a UK wide survey.. <i>BMJ Open Respiratory Research</i> , 2022 , 9,	5.6	2
34	Volatile organic compound (VOC) analysis to differentiate between bacterial and viral respiratory infections in COPD 2018 ,		2
33	Viral infection76-96		2
32	Airway Epithelial Innate Immunity.. <i>Frontiers in Physiology</i> , 2021 , 12, 749077	4.6	2
31	Genome-wide profiling of an enhancer-associated histone modification reveals the influence of asthma on the epigenome of the airway epithelium		2
30	Attenuating COVID-19 infection and inflammation: Lessons from asthma. <i>Respirology</i> , 2020 , 25, 1233-1234	3.6	2
29	Loss of regulatory capacity in Treg cells following rhinovirus infection. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 148, 1016-1029.e16	11.5	2
28	Lung function fluctuation patterns unveil asthma and COPD phenotypes unrelated to type 2 inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 148, 407-419	11.5	2
27	The Renin-Angiotensin system and SARS-CoV-2 infection: A role for the ACE2 receptor?. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2020 , 21, 1470320320926911	3	1
26	Reply. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 138, 313-314	11.5	1
25	Diagnosis of Viral Respiratory Illness: Practical Applications 2006 , 388-403		1
24	Rhinovirus infection induces expression of airway remodelling factors in vitro and in vivo		1
23	Plasma proteins elevated in severe asthma despite oral steroid use and unrelated to Type-2 inflammation. <i>European Respiratory Journal</i> , 2021 ,	13.6	1
22	The Role of Interferons in Driving Susceptibility to Asthma Following Bronchiolitis: Controversies and Research Gaps.. <i>Frontiers in Immunology</i> , 2021 , 12, 761660	8.4	1
21	Effect of CRTH2 antagonism on the response to experimental rhinovirus infection in asthma: a pilot randomised controlled trial. <i>Thorax</i> , 2021 ,	7.3	1
20	Evaluation of the Abbott Architect, Roche Elecsys and Virtus S1 SARS-CoV-2 antibody tests in community-managed COVID-19 cases		1
19	Anti-microbial immunity is impaired in COPD patients with frequent exacerbations		1
18	A randomised, double-blind, placebo-controlled study to evaluate the efficacy of oral azithromycin as a supplement to standard care for adult patients with acute exacerbations of asthma (the AZALEA trial). <i>Efficacy and Mechanism Evaluation</i> , 2016 , 3, 1-88	1.7	1

17	Virus-induced Volatile Organic Compounds Are Detectable in Exhaled Breath during Pulmonary Infection. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 204, 1075-1085	10.2	1
16	Review: The Nose as a Route for Therapy. Part 2 Immunotherapy.. <i>Frontiers in Allergy</i> , 2021 , 2, 668781	0	1
15	Pulmonary Innate Lymphoid Cell Responses during Rhinovirus-induced Asthma Exacerbations : A Clinical Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 204, 1259-1273	10.2	1
14	The role of viral and atypical bacterial pathogens in asthma pathogenesis 1999 , 27, 141		1
13	Respiratory viruses and eosinophilic airway inflammation 2022 , 204-218		0
12	Microbiologic Diagnosis of Respiratory Illness: Practical Applications 2012 , 399-423		0
11	Sex differences in innate anti-viral immune responses to respiratory viruses and in their clinical outcomes in a birth cohort study. <i>Scientific Reports</i> , 2021 , 11, 23741	4.9	0
10	Incorrect Conclusions Concerning Antibiotics and Asthma Exacerbation. <i>JAMA Internal Medicine</i> , 2017 , 177, 598	11.5	
9	Związek między infekcjami wirusowymi we wczesnym okresie życia a późniejszym rozwojem astmy jest niezależny od rodzaju wirusa. <i>Alergologia Polska - Polish Journal of Allergology</i> , 2015 , 2, T25-T35	0.1	
8	Anti-Infective Treatments in Asthma and COPD 2012 , 232-267		
7	Thorax 2010: celebrating the success of an international respiratory journal. <i>Thorax</i> , 2010 , 65, 755-756	7.3	
6	Parainfluenza Viruses299-321		
5	Respiratory Syncytial Virus Infection: Determinants of Disease Severity. <i>Clinical Pulmonary Medicine</i> , 2002 , 9, 306-314	0.3	
4	The practical implications of diagnosis. <i>Practice Nursing</i> , 2001 , 12, 399-402	0.1	
3	Rhinoviruses329-343		
2	Smoke and viruses-a hindrance to relaxing the airways?. <i>Clinical Science</i> , 2016 , 130, 839-41	6.5	
1	Rhinoviruses489-510		