Pieter Hiemstra

List of Publications by Year in Descending Order

304 papers	13,886 citations	62 h-index	103 g-index
325 ext. papers	16,136 ext. citations	6.5 avg, IF	6.36 L-index

#	Paper	IF	Citations
304	The lower airways microbiome and antimicrobial peptides in idiopathic pulmonary fibrosis differ from chronic obstructive pulmonary disease.. *PLoS ONE*, **2022**, 17, e0262082	3.7	0
303	Organoid-based Expansion of Patient-Derived Primary Alveolar Type-2 Cells for Establishment of Alveolus Epithelial Lung-Chip Cultures.. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2022**,	5.8	3
302	Lung epithelial cells interact with immune cells and bacteria to shape the microenvironment in tuberculosis.. *Thorax*, **2022**,	7.3	1
301	Antimicrobial Peptides of the Respiratory Tract **2022**, 416-420		
300	High miR203a-3p and miR-375 expression in the airways of smokers with and without COPD.. *Scientific Reports*, **2022**, 12, 5610	4.9	1
299	Prolonged activation of nasal immune cell populations and development of tissue-resident SARS-CoV-2-specific CD8 T cell responses following COVID-19.. *Nature Immunology*, **2022**, 23, 23-32	19.1	9
298	Role of air pollutants in airway epithelial barrier dysfunction in asthma and COPD.. *European Respiratory Review*, **2022**, 31,	9.8	3
297	Host succinate inhibits influenza virus infection through succinylation and nuclear retention of the viral nucleoprotein.. *EMBO Journal*, **2022**, e108306	13	1
296	Determinants of expression of SARS-CoV-2 entry-related genes in upper and lower airways. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**,	9.3	3
295	Development of an In Vitro Airway Epithelial-Endothelial Cell Culture Model on a Flexible Porous Poly(Trimethylene Carbonate) Membrane Based on Calu-3 Airway Epithelial Cells and Lung Microvascular Endothelial Cells. *Membranes*, **2021**, 11,	3.8	5
294	Comparison of genome-wide gene expression profiling by RNA Sequencing microarray in bronchial biopsies of COPD patients before and after inhaled corticosteroid treatment: does it provide new insights?. *ERJ Open Research*, **2021**, 7,	3.5	1
293	Personalized Pollen Monitoring and Symptom Scores: A Feasibility Study in Grass Pollen Allergic Patients.. *Frontiers in Allergy*, **2021**, 2, 628400	0	1
292	The role of altered stem cell function in airway and alveolar repair and remodelling in COPD **2021**, 322-339		2
291	Bronchial gene expression signature associated with rate of subsequent FEV decline in individuals with and at risk of COPD. *Thorax*, **2021**,	7.3	1
290	Novel insights into surfactant protein C trafficking revealed through the study of a pathogenic mutant. *European Respiratory Journal*, **2021**,	13.6	2
289	Gender specific airway gene expression in COPD sub-phenotypes supports a role of mitochondria and of different types of leukocytes. *Scientific Reports*, **2021**, 11, 12848	4.9	0
288	RAGE and TLR4 differentially regulate airway hyperresponsiveness: Implications for COPD. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**, 76, 1123-1135	9.3	8

287	Increased focus on non-animal models for COVID-19 and non-COVID lung research. *European Respiratory Journal*, **2021**, 57,	13.6	2
286	The Course of AΔVal541 as a Proteinase 3 Specific Neo-Epitope after Alpha-1-Antitrypsin Augmentation in Severe Deficient Patients. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
285	Repairing damaged lungs using regenerative therapy. *Current Opinion in Pharmacology*, **2021**, 59, 85-94	5.1	1
284	Disease modeling following organoid-based expansion of airway epithelial cells. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2021**, 321, L775-L786	5.8	3
283	Kallikrein-related peptidase 5 contributes to the remodeling and repair of bronchial epithelium. *FASEB Journal*, **2021**, 35, e21838	0.9	1
282	Tiotropium and Fluticasone Inhibit Rhinovirus-Induced Mucin Production via Multiple Mechanisms in Differentiated Airway Epithelial Cells. *Frontiers in Cellular and Infection Microbiology*, **2020**, 10, 278	5.9	3
281	Host-microbe cross-talk in the lung microenvironment: implications for understanding and treating chronic lung disease. *European Respiratory Journal*, **2020**, 56,	13.6	5
280	Suramin Inhibits SARS-CoV-2 Infection in Cell Culture by Interfering with Early Steps of the Replication Cycle. *Antimicrobial Agents and Chemotherapy*, **2020**, 64,	5.9	51
279	Wnt/Ecatenin signaling is critical for regenerative potential of distal lung epithelial progenitor cells in homeostasis and emphysema. *Stem Cells*, **2020**, 38, 1467-1478	5.8	22
278	Impact of the Local Inflammatory Environment on Mucosal Vitamin D Metabolism and Signaling in Chronic Inflammatory Lung Diseases. *Frontiers in Immunology*, **2020**, 11, 1433	8.4	7
277	In vitro modelling of alveolar repair at the air-liquid interface using alveolar epithelial cells derived from human induced pluripotent stem cells. *Scientific Reports*, **2020**, 10, 5499	4.9	16
276	Tumor mutational load, CD8 T cells, expression of PD-L1 and HLA class I to guide immunotherapy decisions in NSCLC patients. *Cancer Immunology, Immunotherapy*, **2020**, 69, 771-777	7.4	39
275	Mitochondria: at the crossroads of regulating lung epithelial cell function in chronic obstructive pulmonary disease. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2020**, 318, L149-L164	5.8	25
274	Blood eosinophil count and airway epithelial transcriptome relationships in COPD versus asthma. *Allergy: European Journal of Allergy and Clinical Immunology*, **2020**, 75, 370-380	9.3	16
273	Interstitial Lung Disease in Patients With Systemic Sclerosis: Toward Personalized-Medicine-Based Prediction and Drug Screening Models of Systemic Sclerosis-Related Interstitial Lung Disease (SSc-ILD). *Frontiers in Immunology*, **2020**, 11, 1990	8.4	4
272	Development of Porous and Flexible PTMC Membranes for In Vitro Organ Models Fabricated by Evaporation-Induced Phase Separation. *Membranes*, **2020**, 10,	3.8	8
271	An emerging class of air pollutants: Potential effects of microplastics to respiratory human health?. *Science of the Total Environment*, **2020**, 749, 141676	10.2	63
270	A new portable sampler to monitor pollen at street level in the environment of patients. *Science of the Total Environment*, **2020**, 741, 140404	10.2	9

269	TGF-β1 Impairs Vitamin D-Induced and Constitutive Airway Epithelial Host Defense Mechanisms. *Journal of Innate Immunity*, **2020**, 12, 74-89	6.9	15
268	Adiposity is a confounding factor which largely explains the association of serum vitamin D concentrations with C-reactive protein, leptin and adiponectin. *Cytokine*, **2020**, 131, 155104	4	3
267	Modulation of Airway Epithelial Innate Immunity and Wound Repair by M(GM-CSF) and M(M-CSF) Macrophages. *Journal of Innate Immunity*, **2020**, 12, 410-421	6.9	4
266	Short-term and long-term effect of a high-intensity pulmonary rehabilitation programme in obese patients with asthma: a randomised controlled trial. *European Respiratory Journal*, **2020**, 56,	13.6	6
265	Ototopical drops containing a novel antibacterial synthetic peptide: Safety and efficacy in adults with chronic suppurative otitis media. *PLoS ONE*, **2020**, 15, e0231573	3.7	6
264	Vitamin D to prevent exacerbations of COPD: systematic review and meta-analysis of individual participant data from randomised controlled trials. *Thorax*, **2019**, 74, 337-345	7.3	79
263	Sputum microbiota and inflammation at stable state and during exacerbations in a cohort of chronic obstructive pulmonary disease (COPD) patients. *PLoS ONE*, **2019**, 14, e0222449	3.7	13
262	Airway and alveolar epithelial cells in culture. *European Respiratory Journal*, **2019**, 54,	13.6	29
261	Prediction of Airflow Obstruction and the Risk of Complications in Morbidly Obese Patients Undergoing Bariatric Surgery. *Obesity Surgery*, **2019**, 29, 3076-3080	3.7	1
260	Macrophage function in chronic obstructive pulmonary disease: The many faces of notch signalling. *EBioMedicine*, **2019**, 43, 22-23	8.8	0
259	Effect of long-term corticosteroid treatment on microRNA and gene-expression profiles in COPD. *European Respiratory Journal*, **2019**, 53,	13.6	15
258	Antimicrobial Host Defence Peptides: Immunomodulatory Functions and Translational Prospects. *Advances in Experimental Medicine and Biology*, **2019**, 1117, 149-171	3.6	38
257	TGF-βactivation impairs fibroblast ability to support adult lung epithelial progenitor cell organoid formation. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2019**, 317, L14-L28	5.8	34
256	Stem cell-based Lung-on-Chips: The best of both worlds?. *Advanced Drug Delivery Reviews*, **2019**, 140, 12-32	18.5	33
255	From the pathophysiology of the human lung alveolus to epigenetic editing: Congress 2018 highlights from ERS Assembly 3 "Basic and Translational Science.". *ERJ Open Research*, **2019**, 5,	3.5	2
254	Extract of Helicobacter pylori Ameliorates Parameters of Airway Inflammation and Goblet Cell Hyperplasia following Repeated Allergen Exposure. *International Archives of Allergy and Immunology*, **2019**, 180, 1-9	3.7	10
253	Osteopontin Expression in Small Airway Epithelium in Copd is Dependent on Differentiation and Confined to Subsets of Cells. *Scientific Reports*, **2019**, 9, 15566	4.9	9
252	The respiratory virome and exacerbations in patients with chronic obstructive pulmonary disease. *PLoS ONE*, **2019**, 14, e0223952	3.7	30

251	Perioperative proADM-change is associated with the development of acute respiratory distress syndrome in critically ill cardiac surgery patients: a prospective cohort study. *Biomarkers in Medicine* , **2019**, 13, 1081-1091	2.3	2
250	Associations of different body fat deposits with serum 25-hydroxyvitamin D concentrations. *Clinical Nutrition*, **2019**, 38, 2851-2857	5.9	8
249	Dynamic differences in dietary polyunsaturated fatty acid metabolism in sputum of COPD patients and controls. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2019**, 1864, 224-233	5	14
248	Electronic cigarettes: a task force report from the European Respiratory Society. *European Respiratory Journal*, **2019**, 53,	13.6	74
247	An airway epithelial IL-17A response signature identifies a steroid-unresponsive COPD patient subgroup. *Journal of Clinical Investigation*, **2019**, 129, 169-181	15.9	50
246	Predictive value of eosinophils and neutrophils on clinical effects of ICS in COPD. *Respirology*, **2018**, 23, 1023-1031	3.6	16
245	Mesenchymal stromal cells: a novel therapy for the treatment of chronic obstructive pulmonary disease?. *Thorax*, **2018**, 73, 565-574	7.3	53
244	Farm dust reduces viral load in human bronchial epithelial cells by increasing barrier function and antiviral responses. *Journal of Allergy and Clinical Immunology*, **2018**, 141, 1949-1952.e8	11.5	9
243	Therapeutic Application of an Extract of Ameliorates the Development of Allergic Airway Disease. *Journal of Immunology*, **2018**, 200, 1570-1579	5.3	16
242	Assembly 3: Basic and Translational Sciences. *Breathe*, **2018**, 14, 67-68	1.8	
241	Response to Comment on "Therapeutic Application of an Extract of Ameliorates the Development of Allergic Airway Disease". *Journal of Immunology*, **2018**, 200, 3027-3028	5.3	6
240	Air-Liquid Interface Models for Respiratory Toxicology Research: Consensus Workshop and Recommendations. *Applied in Vitro Toxicology*, **2018**, 4, 91-106	1.3	78
239	Effect of diesel exhaust generated by a city bus engine on stress responses and innate immunity in primary bronchial epithelial cell cultures. *Toxicology in Vitro*, **2018**, 48, 221-231	3.6	13
238	Aberrant epithelial differentiation by cigarette smoke dysregulates respiratory host defence. *European Respiratory Journal*, **2018**, 51,	13.6	28
237	Airway Epithelial Barrier Dysfunction in Chronic Obstructive Pulmonary Disease: Role of Cigarette Smoke Exposure. *American Journal of Respiratory Cell and Molecular Biology*, **2018**, 58, 157-169	5.7	116
236	Contribution of Host Defence Proteins and Peptides to Host-Microbiota Interactions in Chronic Inflammatory Lung Diseases. *Vaccines*, **2018**, 6,	5.3	5
235	Immune responses in the treatment of drug-sensitive pulmonary tuberculosis with phenylbutyrate and vitamin D as host directed therapy. *BMC Infectious Diseases*, **2018**, 18, 303	4	17
234	microRNA-mRNA regulatory networks underlying chronic mucus hypersecretion in COPD. *European Respiratory Journal*, **2018**, 52,	13.6	24

233	Associations of Serum 25(OH)D Concentrations with Lung Function, Airway Inflammation and Common Cold in the General Population. *Nutrients*, **2018**, 10,	6.7	8
232	A novel method for expansion and differentiation of mouse tracheal epithelial cells in culture. *Scientific Reports*, **2018**, 8, 7349	4.9	19
231	Human lung epithelial cell cultures for analysis of inhaled toxicants: Lessons learned and future directions. *Toxicology in Vitro*, **2018**, 47, 137-146	3.6	83
230	Airway Epithelial Cell Function and Respiratory Host Defense in Chronic Obstructive Pulmonary Disease. *Chinese Medical Journal*, **2018**, 131, 1099-1107	2.9	9
229	How to write a response to the reviewers of your manuscript. *Breathe*, **2018**, 14, 319-321	1.8	1
228	Retinoic acid signaling balances adult distal lung epithelial progenitor cell growth and differentiation. *EBioMedicine*, **2018**, 36, 461-474	8.8	41
227	Aerobic Exercise Protects from Pseudomonas aeruginosa-Induced Pneumonia in Elderly Mice. *Journal of Innate Immunity*, **2018**, 10, 279-290	6.9	18
226	Immunomodulatory innate defence regulator (IDR) peptide alleviates airway inflammation and hyper-responsiveness. *Thorax*, **2018**, 73, 908-917	7.3	17
225	Proinflammatory Cytokines Impair Vitamin D-Induced Host Defense in Cultured Airway Epithelial Cells. *American Journal of Respiratory Cell and Molecular Biology*, **2017**, 56, 749-761	5.7	19
224	Use of airway epithelial cell culture to unravel the pathogenesis and study treatment in obstructive airway diseases. *Pulmonary Pharmacology and Therapeutics*, **2017**, 45, 101-113	3.5	25
223	Effect of an Outpatient Pulmonary Rehabilitation Program on Exercise Tolerance and Asthma Control in Obese Asthma Patients. *Journal of Cardiopulmonary Rehabilitation and Prevention*, **2017**, 37, 214-222	3.6	8
222	Defining asthma-COPD overlap syndrome: a population-based study. *European Respiratory Journal*, **2017**, 49,	13.6	50
221	Xenobiotic metabolism in differentiated human bronchial epithelial cells. *Archives of Toxicology*, **2017**, 91, 2093-2105	5.8	18
220	Antibacterial Defense of Human Airway Epithelial Cells from Chronic Obstructive Pulmonary Disease Patients Induced by Acute Exposure to Nontypeable Haemophilus influenzae: Modulation by Cigarette Smoke. *Journal of Innate Immunity*, **2017**, 9, 359-374	6.9	33
219	Antimicrobial peptide levels are linked to airway inflammation, bacterial colonisation and exacerbations in chronic obstructive pulmonary disease. *European Respiratory Journal*, **2017**, 49,	13.6	35
218	Airway inflammation in COPD after long-term withdrawal of inhaled corticosteroids. *European Respiratory Journal*, **2017**, 49,	13.6	13
217	microRNA profiling in lung tissue and bronchoalveolar lavage of cigarette smoke-exposed mice and in COPD patients: a translational approach. *Scientific Reports*, **2017**, 7, 12871	4.9	33
216	Acute and chronic effects of treatment with mesenchymal stromal cells on LPS-induced pulmonary inflammation, emphysema and atherosclerosis development. *PLoS ONE*, **2017**, 12, e0183741	3.7	13

215	Pulmonary function, exhaled nitric oxide and symptoms in asthma patients with obesity: a cross-sectional study. *Respiratory Research*, **2017**, 18, 205	7.3	17
214	High intensity training in obesity: a Meta-analysis. *Obesity Science and Practice*, **2017**, 3, 258-271	2.6	57
213	Pre-surgical Pulmonary Rehabilitation in Asthma Patients Undergoing Bariatric Surgery. *Obesity Surgery*, **2017**, 27, 3055-3060	3.7	6
212	Cigarette smoke differentially affects IL-13-induced gene expression in human airway epithelial cells. *Physiological Reports*, **2017**, 5, e13347	2.6	19
211	The effect of tiotropium in combination with olodaterol on house dust mite-induced allergic airway disease. *Pulmonary Pharmacology and Therapeutics*, **2017**, 45, 210-217	3.5	6
210	Airway inflammation in COPD after long-term withdrawal of inhaled corticosteroids. *European Respiratory Journal*, **2017**, 49,	13.6	9
209	Diesel exhaust alters the response of cultured primary bronchial epithelial cells from patients with chronic obstructive pulmonary disease (COPD) to non-typeable Haemophilus influenzae. *Respiratory Research*, **2017**, 18, 27	7.3	24
208	Aberrant DNA methylation and expression of SPDEF and FOXA2 in airway epithelium of patients with COPD. *Clinical Epigenetics*, **2017**, 9, 42	7.7	27
207	Bone Morphogenetic Protein 9 Protects against Neonatal Hyperoxia-Induced Impairment of Alveolarization and Pulmonary Inflammation. *Frontiers in Physiology*, **2017**, 8, 486	4.6	22
206	Effects of daily vitamin D supplementation on respiratory muscle strength and physical performance in vitamin D-deficient COPD patients: a pilot trial. *International Journal of COPD*, **2017**, 12, 2583-2592	3	29
205	The Effects of Selective Hematopoietic Expression of Human IL-37 on Systemic Inflammation and Atherosclerosis in LDLr-Deficient Mice. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	9
204	Basic science of electronic cigarettes: assessment in cell culture and in vivo models. *Respiratory Research*, **2016**, 17, 127	7.3	41
203	Standard radiotherapy but not chemotherapy impairs systemic immunity in non-small cell lung cancer. *OncoImmunology*, **2016**, 5, e1255393	7.2	13
202	ADAM17 and EGFR regulate IL-6 receptor and amphiregulin mRNA expression and release in cigarette smoke-exposed primary bronchial epithelial cells from patients with chronic obstructive pulmonary disease (COPD). *Physiological Reports*, **2016**, 4, e12878	2.6	15
201	Murine models of cardiovascular comorbidity in chronic obstructive pulmonary disease. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2016**, 310, L1011-27	5.8	4
200	Bradykinin B2 receptor expression in the bronchial mucosa of allergic asthmatics: the role of NF-kB. *Clinical and Experimental Allergy*, **2016**, 46, 428-38	4.1	11
199	Antimicrobial Peptides and Innate Lung Defenses: Role in Infectious and Noninfectious Lung Diseases and Therapeutic Applications. *Chest*, **2016**, 149, 545-551	5.3	59
198	MicroRNA-223 controls the expression of histone deacetylase 2: a novel axis in COPD. *Journal of Molecular Medicine*, **2016**, 94, 725-34	5.5	28

197	The licorice pentacyclic triterpenoid component 18β-glycyrrhetinic acid enhances the activity of antibiotics against strains of methicillin-resistant Staphylococcus aureus. *European Journal of Clinical Microbiology and Infectious Diseases*, **2016**, 35, 555-62	5.3	12
196	A phase I study for intravenous autologous mesenchymal stromal cell administration to patients with severe emphysema. *QJM - Monthly Journal of the Association of Physicians*, **2016**, 109, 331-6	2.7	67
195	Microbes and asthma: Opportunities for intervention. *Journal of Allergy and Clinical Immunology*, **2016**, 137, 690-7	11.5	57
194	The positive prognostic effect of stromal CD8+ tumor-infiltrating T cells is restrained by the expression of HLA-E in non-small cell lung carcinoma. *Oncotarget*, **2016**, 7, 3477-88	3.3	51
193	Microarray Gene Expression Analysis to Evaluate Cell Type Specific Expression of Targets Relevant for Immunotherapy of Hematological Malignancies. *PLoS ONE*, **2016**, 11, e0155165	3.7	10
192	Cigarette Smoke Modulates Repair and Innate Immunity following Injury to Airway Epithelial Cells. *PLoS ONE*, **2016**, 11, e0166255	3.7	26
191	Azithromycin differentially affects the IL-13-induced expression profile in human bronchial epithelial cells. *Pulmonary Pharmacology and Therapeutics*, **2016**, 39, 14-20	3.5	18
190	Cellular response of mucociliary differentiated primary bronchial epithelial cells to diesel exhaust. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2016**, 311, L111-23	5.8	30
189	Anti-carbamylated protein antibodies: a specific hallmark for rheumatoid arthritis. Comparison to conditions known for enhanced carbamylation; renal failure, smoking and chronic inflammation. *Annals of the Rheumatic Diseases*, **2016**, 75, 1575-6	2.4	30
188	Neutrophil-derived alpha defensins control inflammation by inhibiting macrophage mRNA translation. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 4350-5	11.5	47
187	Lung function decline in asthma patients with elevated bronchial CD8, CD4 and CD3 cells. *European Respiratory Journal*, **2016**, 48, 393-402	13.6	26
186	Airway hyperresponsiveness in chronic obstructive pulmonary disease: A marker of asthma-chronic obstructive pulmonary disease overlap syndrome?. *Journal of Allergy and Clinical Immunology*, **2016**, 138, 1571-1579.e10	11.5	35
185	Childhood allergies and asthma: New insights on environmental exposures and local immunity at the lung barrier. *Current Opinion in Immunology*, **2016**, 42, 41-47	7.8	22
184	The Dutch National Program for Respiratory Research. *Lancet Respiratory Medicine,the*, **2016**, 4, 356-7	35.1	5
183	TNF-α and IL-1β-activated human mesenchymal stromal cells increase airway epithelial wound healing in vitro via activation of the epidermal growth factor receptor. *Respiratory Research*, **2016**, 17, 3	7.3	56
182	Regeneration of the lung: Lung stem cells and the development of lung mimicking devices. *Respiratory Research*, **2016**, 17, 44	7.3	64
181	Antimicrobial Peptide P60.4Ac-Containing Creams and Gel for Eradication of Methicillin-Resistant Staphylococcus aureus from Cultured Skin and Airway Epithelial Surfaces. *Antimicrobial Agents and Chemotherapy*, **2016**, 60, 4063-72	5.9	27
180	Functional characterisation of bone marrow-derived mesenchymal stromal cells from COPD patients. *ERJ Open Research*, **2016**, 2,	3.5	9

179	Basal cells contribute to innate immunity of the airway epithelium through production of the antimicrobial protein RNase 7. *Journal of Immunology*, **2015**, 194, 3340-50	5.3	47
178	Genome-Wide Association Study Identification of Novel Loci Associated with Airway Responsiveness in Chronic Obstructive Pulmonary Disease. *American Journal of Respiratory Cell and Molecular Biology*, **2015**, 53, 226-34	5.7	24
177	Brown fat activation reduces hypercholesterolaemia and protects from atherosclerosis development. *Nature Communications*, **2015**, 6, 6356	17.4	258
176	Effect of bariatric surgery on asthma control, lung function and bronchial and systemic inflammation in morbidly obese subjects with asthma. *Thorax*, **2015**, 70, 659-67	7.3	110
175	The innate immune function of airway epithelial cells in inflammatory lung disease. *European Respiratory Journal*, **2015**, 45, 1150-62	13.6	219
174	Local and systemic XAGE-1b-specific immunity in patients with lung adenocarcinoma. *Cancer Immunology, Immunotherapy*, **2015**, 64, 1109-21	7.4	11
173	Parallel activities and interactions between antimicrobial peptides and complement in host defense at the airway epithelial surface. *Molecular Immunology*, **2015**, 68, 28-30	4.3	15
172	Function of monocytes and monocyte-derived macrophages in 1-antitrypsin deficiency. *European Respiratory Journal*, **2015**, 45, 365-76	13.6	11
171	Dissecting the genetics of chronic mucus hypersecretion in smokers with and without COPD. *European Respiratory Journal*, **2015**, 45, 60-75	13.6	14
170	Efficient and sensitive identification and quantification of airborne pollen using next-generation DNA sequencing. *Molecular Ecology Resources*, **2015**, 15, 8-16	8.4	126
169	Relapse in FEV1 Decline After Steroid Withdrawal in COPD. *Chest*, **2015**, 148, 389-396	5.3	27
168	Therapeutic potential of soluble guanylate cyclase modulators in neonatal chronic lung disease. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2015**, 309, L1037-40	5.8	6
167	Prevention of exacerbations in patients with COPD and vitamin D deficiency through vitamin D supplementation (PRECOVID): a study protocol. *BMC Pulmonary Medicine*, **2015**, 15, 106	3.5	17
166	Regulation of YKL-40 expression by corticosteroids: effect on pro-inflammatory macrophages in vitro and its modulation in COPD in vivo. *Respiratory Research*, **2015**, 16, 154	7.3	14
165	"Take the active option" to support Healthy Lungs for Life. *Breathe*, **2015**, 11, 179-81	1.8	0
164	Virulence Factors of Pseudomonas aeruginosa Induce Both the Unfolded Protein and Integrated Stress Responses in Airway Epithelial Cells. *PLoS Pathogens*, **2015**, 11, e1004946	7.6	55
163	Nasal Levels of Antimicrobial Peptides in Allergic Asthma Patients and Healthy Controls: Differences and Effect of a Short 1,25(OH)2 Vitamin D3 Treatment. *PLoS ONE*, **2015**, 10, e0140986	3.7	14
162	Tiotropium attenuates IL-13-induced goblet cell metaplasia of human airway epithelial cells. *Thorax* , **2015**, 70, 668-76	7.3	37

161	Increased expression of granzymes A and B in fatal asthma. *European Respiratory Journal*, **2015**, 45, 1485-8	8.6	10
160	Brown adipose tissue takes up plasma triglycerides mostly after lipolysis. *Journal of Lipid Research*, **2015**, 56, 51-9	6.3	106
159	Vitamin D reduces eosinophilic airway inflammation in nonatopic asthma. *Journal of Allergy and Clinical Immunology*, **2015**, 135, 670-5.e3	11.5	53
158	Asthma-COPD overlap. Clinical relevance of genomic signatures of type 2 inflammation in chronic obstructive pulmonary disease. *American Journal of Respiratory and Critical Care Medicine*, **2015**, 191, 758-66	10.2	202
157	Muscarinic M3 receptors on structural cells regulate cigarette smoke-induced neutrophilic airway inflammation in mice. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2015**, 308, L96-103	5.8	21
156	Novel genes for airway wall thickness identified with combined genome-wide association and expression analyses. *American Journal of Respiratory and Critical Care Medicine*, **2015**, 191, 547-56	10.2	20
155	Vitamin D, vitamin D binding protein, and longitudinal outcomes in COPD. *PLoS ONE*, **2015**, 10, e0121622	3.7	18
154	Association of Lung Inflammatory Cells with Small Airways Function and Exhaled Breath Markers in Smokers - Is There a Specific Role for Mast Cells?. *PLoS ONE*, **2015**, 10, e0129426	3.7	3
153	Prediction of Long-Term Benefits of Inhaled Steroids by Phenotypic Markers in Moderate-to-Severe COPD: A Randomized Controlled Trial. *PLoS ONE*, **2015**, 10, e0143793	3.7	12
152	LL-37-derived peptides eradicate multidrug-resistant Staphylococcus aureus from thermally wounded human skin equivalents. *Antimicrobial Agents and Chemotherapy*, **2014**, 58, 4411-9	5.9	88
151	Genome-wide association analysis identifies six new loci associated with forced vital capacity. *Nature Genetics*, **2014**, 46, 669-77	36.3	104
150	Association of lung function measurements and visceral fat in men with metabolic syndrome. *Respiratory Medicine*, **2014**, 108, 351-7	4.6	23
149	The integrated stress response in lung disease. *American Journal of Respiratory Cell and Molecular Biology*, **2014**, 50, 1005-9	5.7	28
148	Development and validation of a 5-day-ahead hay fever forecast for patients with grass-pollen-induced allergic rhinitis. *International Journal of Biometeorology*, **2014**, 58, 1047-55	3.7	20
147	Steroid resistance in COPD? Overlap and differential anti-inflammatory effects in smokers and ex-smokers. *PLoS ONE*, **2014**, 9, e87443	3.7	11
146	Recent progress in peptide vaccination in cancer with a focus on non-small-cell lung cancer. *Expert Review of Vaccines*, **2014**, 13, 87-116	5.2	3
145	Reproducibility of exhaled nitric oxide measurements in overweight and obese adults. *BMC Research Notes*, **2014**, 7, 775	2.3	4
144	Lack of cathelicidin processing in Papillon-Lefvre syndrome patients reveals essential role of LL-37 in periodontal homeostasis. *Orphanet Journal of Rare Diseases*, **2014**, 9, 148	4.2	32

143	Muscarinic M receptors contribute to allergen-induced airway remodeling in mice. *American Journal of Respiratory Cell and Molecular Biology*, **2014**, 50, 690-8	5.7	53
142	Airway gene expression in COPD is dynamic with inhaled corticosteroid treatment and reflects biological pathways associated with disease activity. *Thorax*, **2014**, 69, 14-23	7.3	54
141	Bronchial and systemic inflammation in morbidly obese subjects with asthma: a biopsy study. *American Journal of Respiratory and Critical Care Medicine*, **2014**, 190, 951-4	10.2	20
140	Increased ERK signalling promotes inflammatory signalling in primary airway epithelial cells expressing Z 1-antitrypsin. *Human Molecular Genetics*, **2014**, 23, 929-41	5.6	23
139	Role of activin-A in cigarette smoke-induced inflammation and COPD. *European Respiratory Journal*, **2014**, 43, 1028-41	13.6	29
138	Susceptibility to chronic mucus hypersecretion, a genome wide association study. *PLoS ONE*, **2014**, 9, e91621	3.7	19
137	Pulmonary function testing and complications of laparoscopic bariatric surgery. *Obesity Surgery*, **2013**, 23, 1596-603	3.7	32
136	Underdiagnosis and overdiagnosis of asthma in the morbidly obese. *Respiratory Medicine*, **2013**, 107, 1356-64	4.6	38
135	Immune cell profile in infants lung tissue. *Annals of Anatomy*, **2013**, 195, 596-604	2.9	8
134	Bradykinin-induced asthmatic fibroblast/myofibroblast activities via bradykinin B2 receptor and different MAPK pathways. *European Journal of Pharmacology*, **2013**, 710, 100-9	5.3	25
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