Pieter Hiemstra

List of Publications by Year
in descending order

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319 papers	18,165 citations	12330 69 h-index	20358 116 g-index
325 all docs	325 docs citations	325 times ranked	22283 citing authors

#	Article	IF	Citations
1	Bronchial gene expression signature associated with rate of subsequent FEV₁ decline in individuals with and at risk of COPD. Thorax, 2022, 77, 31-39.	5.6	8
2	Novel insights into surfactant protein C trafficking revealed through the study of a pathogenic mutant. European Respiratory Journal, 2022, 59, 2100267.	6.7	13
3	Antimicrobial Peptides of the Respiratory Tract. , 2022, , 416-420.		0
4	Determinants of expression of SARSâ€CoVâ€2 entryâ€related genes in upper and lower airways. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 690-694.	5.7	15
5	Lung epithelial cells interact with immune cells and bacteria to shape the microenvironment in tuberculosis. Thorax, 2022, 77, 408-416.	5.6	23
6	The lower airways microbiome and antimicrobial peptides in idiopathic pulmonary fibrosis differ from chronic obstructive pulmonary disease. PLoS ONE, 2022, 17, e0262082.	2.5	4
7	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, 322, L526-L538.	2.9	25
8	Performance of Five Metagenomic Classifiers for Virus Pathogen Detection Using Respiratory Samples from a Clinical Cohort. Pathogens, 2022, 11, 340.	2.8	4
9	Dysregulated mitochondrial metabolism upon cigarette smoke exposure in various human bronchial epithelial cell models. DMM Disease Models and Mechanisms, 2022, 15, .	2.4	10
10	High miR203a-3p and miR-375 expression in the airways of smokers with and without COPD. Scientific Reports, 2022, 12, 5610.	3.3	5
11	Vitamin D supplementation in chronic obstructive pulmonary disease patients with low serum vitamin D: a randomized controlled trial. American Journal of Clinical Nutrition, 2022, 116, 491-499.	4.7	11
12	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.	14.5	74
13	Role of air pollutants in airway epithelial barrier dysfunction in asthma and COPD. European Respiratory Review, 2022, 31, 210112.	7.1	49
14	3D Lung-on-Chip Model Based on Biomimetically Microcurved Culture Membranes. ACS Biomaterials Science and Engineering, 2022, 8, 2684-2699.	5.2	27
15	Host succinate inhibits influenza virus infection through succinylation and nuclear retention of the viral nucleoprotein. EMBO Journal, 2022, 41, e108306.	7.8	15
16	miR449 Protects Airway Regeneration by Controlling AURKA/HDAC6-Mediated Ciliary Disassembly. International Journal of Molecular Sciences, 2022, 23, 7749.	4.1	1
17	RAGE and TLR4 differentially regulate airway hyperresponsiveness: Implications for COPD. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 1123-1135.	5.7	14
18	Increased focus on non-animal models for COVID-19 and non-COVID lung research. European Respiratory Journal, 2021, 57, 2004267.	6.7	2

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19	Development of an In Vitro Airway Epithelialâ€“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, 197.	3.0	13
20	Comparison of genome-wide gene expression profiling by RNA Sequencing versus microarray in bronchial biopsies of COPD patients before and after inhaled corticosteroid treatment: does it provide new insights?. ERJ Open Research, 2021, 7, 00104-2021.	2.6	2
21	Personalized Pollen Monitoring and Symptom Scores: A Feasibility Study in Grass Pollen Allergic Patients. Frontiers in Allergy, 2021, 2, 628400.	2.8	4
22	The role of altered stem cell function in airway and alveolar repair and remodelling in COPD. , 2021, , 322-339.		3
23	A Modular Human Airway Lungâ€Chip for Studying the Effect of Breathingâ€Mechanics on Airway Epithelial Cell Biology. FASEB Journal, 2021, 35, .	0.5	1
24	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.	3.3	8
25	The Course of AÎ±Val541 as a Proteinase 3 Specific Neo-Epitope after Alpha-1-Antitrypsin Augmentation in Severe Deficient Patients. International Journal of Molecular Sciences, 2021, 22, 8031.	4.1	1
26	Repairing damaged lungs using regenerative therapy. Current Opinion in Pharmacology, 2021, 59, 85-94.	3.5	8
27	Disease modeling following organoid-based expansion of airway epithelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L775-L786.	2.9	19
28	Kallikreinâ€related peptidase 5 contributes to the remodeling and repair of bronchial epithelium. FASEB Journal, 2021, 35, e21838.	0.5	3
29	Factors associated with physical activity among COPD patients with mild or moderate airflow obstruction. Monaldi Archives for Chest Disease, 2021, , .	0.6	1
30	TGF-Î²1 Impairs Vitamin D-Induced and Constitutive Airway Epithelial Host Defense Mechanisms. Journal of Innate Immunity, 2020, 12, 74-89.	3.8	27
31	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.	2.9	68
32	Blood eosinophil count and airway epithelial transcriptome relationships in COPD versus asthma. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 370-380.	5.7	37
33	Innate Immunity of the Lung. Journal of Innate Immunity, 2020, 12, 1-3.	3.8	7
34	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.	4.8	9
35	Development of Porous and Flexible PTMC Membranes for In Vitro Organ Models Fabricated by Evaporation-Induced Phase Separation. Membranes, 2020, 10, 330.	3.0	12
36	An emerging class of air pollutants: Potential effects of microplastics to respiratory human health?. Science of the Total Environment, 2020, 749, 141676.	8.0	204

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37	A new portable sampler to monitor pollen at street level in the environment of patients. Science of the Total Environment, 2020, 741, 140404.	8.0	13
38	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.	3.9	13
39	Host-microbe cross-talk in the lung microenvironment: implications for understanding and treating chronic lung disease. European Respiratory Journal, 2020, 56, 1902320.	6.7	17
40	ERS International Congress, Madrid, 2019: highlights from the Basic and Translational Science Assembly. ERJ Open Research, 2020, 6, 00350-2019.	2.6	1
41	Suramin Inhibits SARS-CoV-2 Infection in Cell Culture by Interfering with Early Steps of the Replication Cycle. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	87
42	Wnt/Î²-catenin signaling is critical for regenerative potential of distal lung epithelial progenitor cells in homeostasis and emphysema. Stem Cells, 2020, 38, 1467-1478.	3.2	46
43	Impact of the Local Inflammatory Environment on Mucosal Vitamin D Metabolism and Signaling in Chronic Inflammatory Lung Diseases. Frontiers in Immunology, 2020, 11, 1433.	4.8	21
44	Vitamin D Deficiency in Asthma and Chronic Obstructive Pulmonary Disease. A Chicken-or-Egg Story. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 312-313.	5.6	8
45	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.	3.3	35
46	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.	3.2	5
47	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.	3.8	18
48	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, 1901820.	6.7	29
49	Ototopical drops containing a novel antibacterial synthetic peptide: Safety and efficacy in adults with chronic suppurative otitis media. PLoS ONE, 2020, 15, e0231573.	2.5	19
50	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.	4.2	70
51	Stem cell-based Lung-on-Chips: The best of both worlds?. Advanced Drug Delivery Reviews, 2019, 140, 12-32.	13.7	52
52	From the pathophysiology of the human lung alveolus to epigenetic editing: Congress 2018 highlights from ERS Assembly 3 â€œBasic and Translational Science.â€• ERJ Open Research, 2019, 5, 00194-2018.	2.6	3
53	Extract of<i> Helicobacter pylori</i> Ameliorates Parameters of Airway Inflammation and Goblet Cell Hyperplasia following Repeated Allergen Exposure. International Archives of Allergy and Immunology, 2019, 180, 1-9.	2.1	14
54	Osteopontin Expression in Small Airway Epithelium in Copd is Dependent on Differentiation and Confined to Subsets of Cells. Scientific Reports, 2019, 9, 15566.	3.3	15

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55	The respiratory virome and exacerbations in patients with chronic obstructive pulmonary disease. PLoS ONE, 2019, 14, e0223952.	2.5	51
56	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.	5.6	136
57	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.	2.5	21
58	Airway and alveolar epithelial cells in culture. European Respiratory Journal, 2019, 54, 1900742.	6.7	61
59	Prediction of Airflow Obstruction and the Risk of Complications in Morbidly Obese Patients Undergoing Bariatric Surgery. Obesity Surgery, 2019, 29, 3076-3080.	2.1	1
60	Macrophage function in chronic obstructive pulmonary disease: The many faces of notch signalling. EBioMedicine, 2019, 43, 22-23.	6.1	2
61	Effect of long-term corticosteroid treatment on microRNA and gene-expression profiles in COPD. European Respiratory Journal, 2019, 53, 1801202.	6.7	29
62	Antimicrobial Host Defence Peptides: Immunomodulatory Functions and Translational Prospects. Advances in Experimental Medicine and Biology, 2019, 1117, 149-171.	1.6	68
63	TGF-Î² activation 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.	2.9	53
64	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.	1.4	3
65	Translation of in vitro findings to patients with asthma: a timely and compelling challenge. European Respiratory Journal, 2019, 54, 1901759.	6.7	1
66	Associations of different body fat deposits with serum 25-hydroxyvitamin D concentrations. Clinical Nutrition, 2019, 38, 2851-2857.	5.0	14
67	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.	2.4	26
68	Electronic cigarettes: a task force report from the European Respiratory Society. European Respiratory Journal, 2019, 53, 1801151.	6.7	131
69	Effects of E-Cigarette Use on Human Lung Tissue. On Harm Reduction and Causing Harm. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 6-7.	5.6	6
70	Predictive value of eosinophils and neutrophils on clinical effects of ICS in COPD. Respirology, 2018, 23, 1023-1031.	2.3	24
71	Mesenchymal stromal cells: a novel therapy for the treatment of chronic obstructive pulmonary disease?. Thorax, 2018, 73, 565-574.	5.6	69
72	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.	2.9	15

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73	Therapeutic Application of an Extract of Helicobacter pylori Ameliorates the Development of Allergic Airway Disease. Journal of Immunology, 2018, 200, 1570-1579.	0.8	22
74	Assembly 3: Basic and Translational Sciences. Breathe, 2018, 14, 67-68.	1.3	0
75	Response to Comment on â€œTherapeutic Application of an Extract of Helicobacter pylori Ameliorates the Development of Allergic Airway Diseaseâ€. Journal of Immunology, 2018, 200, 3027.2-3028.	0.8	6
76	Airâ€“Liquid InterfaceIn VitroModels for Respiratory Toxicology Research: Consensus Workshop and Recommendations. Applied in Vitro Toxicology, 2018, 4, 91-106.	1.1	138
77	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.	2.4	18
78	Aberrant epithelial differentiation by cigarette smoke dysregulates respiratory host defence. European Respiratory Journal, 2018, 51, 1701009.	6.7	44
79	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.	2.9	217
80	Human lung epithelial cell cultures for analysis of inhaled toxicants: Lessons learned and future directions. Toxicology in Vitro, 2018, 47, 137-146.	2.4	132
81	An airway epithelial IL-17A response signature identifies a steroid-unresponsive COPD patient subgroup. Journal of Clinical Investigation, 2018, 129, 169-181.	8.2	77
82	Airway Epithelial Cell Function and Respiratory Host Defense in Chronic Obstructive Pulmonary Disease. Chinese Medical Journal, 2018, 131, 1099-1107.	2.3	17
83	How to write a response to the reviewers of your manuscript. Breathe, 2018, 14, 319-321.	1.3	4
84	Retinoic acid signaling balances adult distal lung epithelial progenitor cell growth and differentiation. EBioMedicine, 2018, 36, 461-474.	6.1	64
85	Aerobic Exercise Protects from Pseudomonas aeruginosa-Induced Pneumonia in Elderly Mice. Journal of Innate Immunity, 2018, 10, 279-290.	3.8	23
86	Immunomodulatory innate defence regulator (IDR) peptide alleviates airway inflammation and hyper-responsiveness. Thorax, 2018, 73, 908-917.	5.6	27
87	Contribution of Host Defence Proteins and Peptides to Host-Microbiota Interactions in Chronic Inflammatory Lung Diseases. Vaccines, 2018, 6, 49.	4.4	6
88	Immune responses in the treatment of drug-sensitive pulmonary tuberculosis with phenylbutyrate and vitamin D3 as host directed therapy. BMC Infectious Diseases, 2018, 18, 303.	2.9	35
89	Basic and translational research in the European Respiratory Journal. European Respiratory Journal, 2018, 51, 1800377.	6.7	4
90	microRNAâ€“mRNA regulatory networks underlying chronic mucus hypersecretion in COPD. European Respiratory Journal, 2018, 52, 1701556.	6.7	37

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91	Associations of Serum 25(OH)D Concentrations with Lung Function, Airway Inflammation and Common Cold in the General Population. Nutrients, 2018, 10, 35.	4.1	14
92	A novel method for expansion and differentiation of mouse tracheal epithelial cells in culture. Scientific Reports, 2018, 8, 7349.	3.3	45
93	Proinflammatory Cytokines Impair Vitamin Dâ€“Induced Host Defense in Cultured Airway Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2017, 56, 749-761.	2.9	31
94	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.	2.6	39
95	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.	2.1	16
96	Defining asthmaâ€“COPD overlap syndrome: a population-based study. European Respiratory Journal, 2017, 49, 1602008.	6.7	56
97	Xenobiotic metabolism in differentiated human bronchial epithelial cells. Archives of Toxicology, 2017, 91, 2093-2105.	4.2	31
98	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.	3.8	47
99	Antimicrobial peptide levels are linked to airway inflammation, bacterial colonisation and exacerbations in chronic obstructive pulmonary disease. European Respiratory Journal, 2017, 49, 1601328.	6.7	53
100	Airway inflammation in COPD after long-term withdrawal of inhaled corticosteroids. European Respiratory Journal, 2017, 49, 1600839.	6.7	22
101	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.	3.3	44
102	Pre-surgical Pulmonary Rehabilitation in Asthma Patients Undergoing Bariatric Surgery. Obesity Surgery, 2017, 27, 3055-3060.	2.1	9
103	Cigarette smoke differentially affects IL-13-induced gene expression in human airway epithelial cells. Physiological Reports, 2017, 5, e13347.	1.7	28
104	Reprogramming of cellular metabolism: driver for airway remodelling in COPD?. European Respiratory Journal, 2017, 50, 1702197.	6.7	6
105	The effect of tiotropium in combination with olodaterol on house dust mite-induced allergic airway disease. Pulmonary Pharmacology and Therapeutics, 2017, 45, 210-217.	2.6	9
106	Airway inflammation in COPD after long-term withdrawal of inhaled corticosteroids. European Respiratory Journal, 2017, 49, 1700848.	6.7	13
107	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.	3.6	29
108	Aberrant DNA methylation and expression of SPDEF and FOXA2 in airway epithelium of patients with COPD. Clinical Epigenetics, 2017, 9, 42.	4.1	37

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109	Bone Morphogenetic Protein 9 Protects against Neonatal Hyperoxia-Induced Impairment of Alveolarization and Pulmonary Inflammation. Frontiers in Physiology, 2017, 8, 486.	2.8	31
110	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, Volume 12, 2583-2592.	2.3	47
111	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, 1672.	4.1	12
112	Acute and chronic effects of treatment with mesenchymal stromal cells on LPS-induced pulmonary inflammation, emphysema and atherosclerosis development. PLoS ONE, 2017, 12, e0183741.	2.5	16
113	Pulmonary function, exhaled nitric oxide and symptoms in asthma patients with obesity: a cross-sectional study. Respiratory Research, 2017, 18, 205.	3.6	31
114	High intensity training in obesity: a Meta-analysis. Obesity Science and Practice, 2017, 3, 258-271.	1.9	84
115	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, 3477-3488.	1.8	73
116	Microarray Gene Expression Analysis to Evaluate Cell Type Specific Expression of Targets Relevant for Immunotherapy of Hematological Malignancies. PLoS ONE, 2016, 11, e0155165.	2.5	13
117	Cigarette Smoke Modulates Repair and Innate Immunity following Injury to Airway Epithelial Cells. PLoS ONE, 2016, 11, e0166255.	2.5	36
118	Azithromycin differentially affects the IL-13-induced expression profile in human bronchial epithelial cells. Pulmonary Pharmacology and Therapeutics, 2016, 39, 14-20.	2.6	22
119	Cellular response of mucociliary differentiated primary bronchial epithelial cells to diesel exhaust. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L111-L123.	2.9	41
120	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, 1575-1576.	0.9	32
121	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, 4350-4355.	7.1	66
122	Lung function decline in asthma patients with elevated bronchial CD8, CD4 and CD3 cells. European Respiratory Journal, 2016, 48, 393-402.	6.7	35
123	Airway hyperresponsiveness in chronic obstructive pulmonary disease: AÂmarker of asthma-chronic obstructive pulmonary disease overlap syndrome?. Journal of Allergy and Clinical Immunology, 2016, 138, 1571-1579.e10.	2.9	44
124	Childhood allergies and asthma: New insights on environmental exposures and local immunity at the lung barrier. Current Opinion in Immunology, 2016, 42, 41-47.	5.5	25
125	The Dutch National Program for Respiratory Research. Lancet Respiratory Medicine,the, 2016, 4, 356-357.	10.7	5
126	TNF-Î± and IL-1Î²-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.	3.6	76

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127	Regeneration of the lung: Lung stem cells and the development of lung mimicking devices. Respiratory Research, 2016, 17, 44.	3.6	86
128	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, 4063-4072.	3.2	34
129	Functional characterisation of bone marrow-derived mesenchymal stromal cells from COPD patients. ERJ Open Research, 2016, 2, 00045-2015.	2.6	11
130	Basic science of electronic cigarettes: assessment in cell culture and in vivo models. Respiratory Research, 2016, 17, 127.	3.6	58
131	Standard radiotherapy but not chemotherapy impairs systemic immunity in non-small cell lung cancer. OncoImmunology, 2016, 5, e1255393.	4.6	22
132	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.	1.7	27
133	Murine models of cardiovascular comorbidity in chronic obstructive pulmonary disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L1011-L1027.	2.9	6
134	Bradykinin B2 receptor expression in the bronchial mucosa of allergic asthmatics: the role of <scp>NF</scp>â€<scp>kB</scp>. Clinical and Experimental Allergy, 2016, 46, 428-438.	2.9	13
135	Antimicrobial Peptides and Innate Lung Defenses. Chest, 2016, 149, 545-551.	0.8	87
136	MicroRNA-223 controls the expression of histone deacetylase 2: a novel axis in COPD. Journal of Molecular Medicine, 2016, 94, 725-734.	3.9	41
137	The licorice pentacyclic triterpenoid component 18Î²-glycyrrhetinic acid enhances the activity of antibiotics against strains of methicillin-resistant Staphylococcus aureus. European Journal of Clinical Microbiology and Infectious Diseases, 2016, 35, 555-562.	2.9	18
138	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, 331-336.	0.5	90
139	IL-13 and the Airway Epithelium. It Is All in the Genes. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 347-348.	5.6	1
140	Microbes and asthma: Opportunities for intervention. Journal of Allergy and Clinical Immunology, 2016, 137, 690-697.	2.9	68
141	Relapse in FEV1 Decline After Steroid Withdrawal in COPD. Chest, 2015, 148, 389-396.	0.8	33
142	Therapeutic potential of soluble guanylate cyclase modulators in neonatal chronic lung disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L1037-L1040.	2.9	10
143	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.	2.0	23
144	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.	3.6	15

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145	â€œTake the active optionâ€•to support Healthy Lungs for Life. Breathe, 2015, 11, 179-181.	1.3	1
146	Virulence Factors of Pseudomonas aeruginosa Induce Both the Unfolded Protein and Integrated Stress Responses in Airway Epithelial Cells. PLoS Pathogens, 2015, 11, e1004946.	4.7	83
147	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.	2.5	18
148	Tiotropium attenuates IL-13-induced goblet cell metaplasia of human airway epithelial cells. Thorax, 2015, 70, 668-676.	5.6	46
149	Increased expression of granzymes A and B in fatal asthma. European Respiratory Journal, 2015, 45, 1485-1488.	6.7	16
150	Brown adipose tissue takes up plasma triglycerides mostly after lipolysis. Journal of Lipid Research, 2015, 56, 51-59.	4.2	147
151	Vitamin D reduces eosinophilic airway inflammation in nonatopic asthma. Journal of Allergy and Clinical Immunology, 2015, 135, 670-675.e3.	2.9	74
152	Asthmaâ€“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, 758-766.	5.6	257
153	Muscarinic M₃receptors on structural cells regulate cigarette smoke-induced neutrophilic airway inflammation in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L96-L103.	2.9	25
154	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, 547-556.	5.6	32
155	Basal Cells Contribute to Innate Immunity of the Airway Epithelium through Production of the Antimicrobial Protein RNase 7. Journal of Immunology, 2015, 194, 3340-3350.	0.8	60
156	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, 226-234.	2.9	27
157	Brown fat activation reduces hypercholesterolaemia and protects from atherosclerosis development. Nature Communications, 2015, 6, 6356.	12.8	360
158	Effect of bariatric surgery on asthma control, lung function and bronchial and systemic inflammation in morbidly obese subjects with asthma. Thorax, 2015, 70, 659-667.	5.6	147
159	The innate immune function of airway epithelial cells in inflammatory lung disease. European Respiratory Journal, 2015, 45, 1150-1162.	6.7	303
160	Local and systemic XAGE-1b-specific immunity in patients with lung adenocarcinoma. Cancer Immunology, Immunotherapy, 2015, 64, 1109-1121.	4.2	11
161	Parallel activities and interactions between antimicrobial peptides and complement in host defense at the airway epithelial surface. Molecular Immunology, 2015, 68, 28-30.	2.2	18
162	Function of monocytes and monocyte-derived macrophages in Î±₁-antitrypsin deficiency. European Respiratory Journal, 2015, 45, 365-376.	6.7	15

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163	Dissecting the genetics of chronic mucus hypersecretion in smokers with and without COPD. European Respiratory Journal, 2015, 45, 60-75.	6.7	19
164	Efficient and sensitive identification and quantification of airborne pollen using nextâ€generation <scp>DNA</scp> sequencing. Molecular Ecology Resources, 2015, 15, 8-16.	4.8	192
165	Vitamin D, Vitamin D Binding Protein, and Longitudinal Outcomes in COPD. PLoS ONE, 2015, 10, e0121622.	2.5	30
166	Association of Lung Inflammatory Cells with Small Airways Function and Exhaled Breath Markers in Smokers â€“ Is There a Specific Role for Mast Cells?. PLoS ONE, 2015, 10, e0129426.	2.5	4
167	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.	2.5	18
168	Farm dust extract increases the epithelial barrier function of bronchial epithelial cells. , 2015, , .		0
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