Irene H Heijink

List of Publications by Year
in descending order

87 papers	3,131 citations	159585 30 h-index	175258 52 g-index
88 all docs	88 docs citations	88 times ranked	4063 citing authors

#	Article	IF	Citations
1	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
2	E-cadherin: gatekeeper of airway mucosa and allergic sensitization. Trends in Immunology, 2011, 32, 248-255.	6.8	172
3	Epithelial cell dysfunction, a major driver of asthma development. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 1902-1917.	5.7	151
4	Down-Regulation of E-Cadherin in Human Bronchial Epithelial Cells Leads to Epidermal Growth Factor Receptor-Dependent Th2 Cell-Promoting Activity. Journal of Immunology, 2007, 178, 7678-7685.	0.8	149
5	House Dust Miteâ€“Promoted Epithelial-to-Mesenchymal Transition in Human Bronchial Epithelium. American Journal of Respiratory Cell and Molecular Biology, 2010, 42, 69-79.	2.9	134
6	Cigarette smoke-induced necroptosis and DAMP release trigger neutrophilic airway inflammation in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L377-L386.	2.9	130
7	Role of aberrant WNT signalling in the airway epithelial response to cigarette smoke in chronic obstructive pulmonary disease. Thorax, 2013, 68, 709-716.	5.6	82
8	Abnormalities in Airway Epithelial Junction Formation in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 1439-1442.	5.6	77
9	Unravelling the complexity of COPD by microRNAs: it's a small world after all. European Respiratory Journal, 2015, 46, 807-818.	6.7	73
10	Caveolin-1 Controls Airway Epithelial Barrier Function. Implications for Asthma. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 662-671.	2.9	72
11	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
12	Current perspectives on the role of interleukin-1 signalling in the pathogenesis of asthma and COPD. European Respiratory Journal, 2020, 55, 1900563.	6.7	67
13	Airway gene expression in COPD is dynamic with inhaled corticosteroid treatment and reflects biological pathways associated with disease activity. Thorax, 2014, 69, 14-23.	5.6	65
14	Retinoic acid signaling balances adult distal lung epithelial progenitor cell growth and differentiation. EBioMedicine, 2018, 36, 461-474.	6.1	64
15	Der p, IL-4, and TGF-Î² Cooperatively Induce EGFR-Dependent TARC Expression in Airway Epithelium. American Journal of Respiratory Cell and Molecular Biology, 2007, 36, 351-359.	2.9	62
16	Susceptibility for cigarette smoke-induced DAMP release and DAMP-induced inflammation in COPD. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L881-L892.	2.9	58
17	Interleukin-1Î± drives the dysfunctional cross-talk of the airway epithelium and lung fibroblasts in COPD. European Respiratory Journal, 2016, 48, 359-369.	6.7	56
18	TGFâ€Î²â€induced profibrotic signaling is regulated in part by the WNT receptor Frizzledâ€8. FASEB Journal, 2016, 30, 1823-1835.	0.5	56

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19	Oxidant-induced corticosteroid unresponsiveness in human bronchial epithelial cells. Thorax, 2014, 69, 5-13.	5.6	55
20	miR-223: A Key Regulator in the Innate Immune Response in Asthma and COPD. Frontiers in Medicine, 2020, 7, 196.	2.6	51
21	Increased serum levels of LL37, HMGB1 and S100A9 during exacerbation in COPD patients. European Respiratory Journal, 2015, 45, 1482-1485.	6.7	49
22	Cigarette smoke-induced epithelial expression of WNT-5B: implications for COPD. European Respiratory Journal, 2016, 48, 504-515.	6.7	49
23	Role of air pollutants in airway epithelial barrier dysfunction in asthma and COPD. European Respiratory Review, 2022, 31, 210112.	7.1	49
24	A-kinase anchoring proteins contribute to loss of E-cadherin and bronchial epithelial barrier by cigarette smoke. American Journal of Physiology - Cell Physiology, 2014, 306, C585-C597.	4.6	47
25	miR-146a-5p plays an essential role in the aberrant epithelialâ€“fibroblast cross-talk in COPD. European Respiratory Journal, 2017, 49, 1602538.	6.7	46
26	<scp>SIRT</scp>1/FoxO3 axis alteration leads to aberrant immune responses in bronchial epithelial cells. Journal of Cellular and Molecular Medicine, 2018, 22, 2272-2282.	3.6	42
27	Profiling of healthy and asthmatic airway smooth muscle cells following interleukin-1Î² treatment: a novel role for CCL20 in chronic mucus hypersecretion. European Respiratory Journal, 2018, 52, 1800310.	6.7	38
28	microRNAâ€“mRNA regulatory networks underlying chronic mucus hypersecretion in COPD. European Respiratory Journal, 2018, 52, 1701556.	6.7	37
29	Link between increased cellular senescence and extracellular matrix changes in COPD. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 319, L48-L60.	2.9	36
30	Targeted epigenetic editing of SPDEF reduces mucus production in lung epithelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L334-L347.	2.9	35
31	Protease-Activated Receptor-2 Activation Contributes to House Dust Mite-Induced IgE Responses in Mice. PLoS ONE, 2014, 9, e91206.	2.5	35
32	Nasal gene expression differentiates COPD from controls and overlaps bronchial gene expression. Respiratory Research, 2017, 18, 213.	3.6	33
33	Nasal epithelium as a proxy for bronchial epithelium for smoking-induced gene expression and expression Quantitative Trait Loci. Journal of Allergy and Clinical Immunology, 2018, 142, 314-317.e15.	2.9	32
34	Macrophageâ€“stroma interactions in fibrosis: biochemical, biophysical, and cellular perspectives. Journal of Pathology, 2021, 254, 344-357.	4.5	32
35	Cigarette smoke exposure decreases CFLAR expression in the bronchial epithelium, augmenting susceptibility for lung epithelial cell death and DAMP release. Scientific Reports, 2018, 8, 12426.	3.3	31
36	Pathological changes in the COPD lung mesenchyme â€“ Novel lessons learned from inÂvitro and inÂvivo studies. Pulmonary Pharmacology and Therapeutics, 2014, 29, 121-128.	2.6	30

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37	Effect of long-term corticosteroid treatment on microRNA and gene-expression profiles in COPD. European Respiratory Journal, 2019, 53, 1801202.	6.7	29
38	Differential DNA methylation in bronchial biopsies between persistent asthma and asthma in remission. European Respiratory Journal, 2020, 55, 1901280.	6.7	29
39	Mesenchymal Stromal Cells to Regenerate Emphysema: On the Horizon?. Respiration, 2018, 96, 148-158.	2.6	28
40	Epithelial-interleukin-1 inhibits collagen formation by airway fibroblasts: Implications for asthma. Scientific Reports, 2020, 10, 8721.	3.3	28
41	Periostin: contributor to abnormal airway epithelial function in asthma?. European Respiratory Journal, 2021, 57, 2001286.	6.7	27
42	Glucocorticoids induce the production of the chemoattractant CCL20 in airway epithelium. European Respiratory Journal, 2014, 44, 361-370.	6.7	26
43	Increased neutrophil expression of pattern recognition receptors during <scp>COPD</scp> exacerbations. Respirology, 2017, 22, 401-404.	2.3	24
44	Pro-inflammatory effects of extracellular Hsp70 and cigarette smoke in primary airway epithelial cells from COPD patients. Biochimie, 2019, 156, 47-58.	2.6	24
45	A-kinase-anchoring proteins coordinate inflammatory responses to cigarette smoke in airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L766-L775.	2.9	23
46	Distinct radiation responses after in vitro mtDNA depletion are potentially related to oxidative stress. PLoS ONE, 2017, 12, e0182508.	2.5	23
47	Exposure to TARC alters Î²2-adrenergic receptor signaling in human peripheral blood T lymphocytes. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2005, 289, L53-L59.	2.9	22
48	Glycogen synthase kinase-3Î² modulation of glucocorticoid responsiveness in COPD. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L1112-L1123.	2.9	21
49	A pro-inflammatory role for the Frizzled-8 receptor in chronic bronchitis. Thorax, 2016, 71, 312-322.	5.6	21
50	Targeting T cells for asthma. Current Opinion in Pharmacology, 2005, 5, 227-231.	3.5	20
51	Identification of asthma-associated microRNAs in bronchial biopsies. European Respiratory Journal, 2022, 59, 2101294.	6.7	19
52	A specific DAMP profile identifies susceptibility to smoke-induced airway inflammation. European Respiratory Journal, 2014, 43, 1183-1186.	6.7	17
53	Dissecting the Role of Mesenchymal Stem Cells in Idiopathic Pulmonary Fibrosis: Cause or Solution. Frontiers in Pharmacology, 2021, 12, 692551.	3.5	17
54	Role of aberrant metalloproteinase activity in the pro-inflammatory phenotype of bronchial epithelium in COPD. Respiratory Research, 2011, 12, 110.	3.6	16

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55	A-Kinase Anchoring Proteins Diminish TGF-Î²1/Cigarette Smoke-Induced Epithelial-To-Mesenchymal Transition. Cells, 2020, 9, 356.	4.1	16
56	Protocadherin-1 Localization and Cell-Adhesion Function in Airway Epithelial Cells in Asthma. PLoS ONE, 2016, 11, e0163967.	2.5	16
57	Metalloproteinase Profiling in Lung Transplant Recipients With Good Outcome and Bronchiolitis Obliterans Syndrome. Transplantation, 2015, 99, 1946-1952.	1.0	15
58	Genetic variance is associated with susceptibility for cigarette smoke-induced DAMP release in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L559-L580.	2.9	15
59	Genetic variation associates with susceptibility for cigarette smoke-induced neutrophilia in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L693-L709.	2.9	14
60	Gene network approach reveals co-expression patterns in nasal and bronchial epithelium. Scientific Reports, 2019, 9, 15835.	3.3	14
61	Abnormalities in reparative function of lung-derived mesenchymal stromal cells in emphysema. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L832-L844.	2.9	14
62	Pellino-1 Regulates the Responses of the Airway to Viral Infection. Frontiers in Cellular and Infection Microbiology, 2020, 10, 456.	3.9	12
63	Effect of Ciclesonide Treatment on Allergen-Induced Changes in T Cell Regulation in Asthma. International Archives of Allergy and Immunology, 2008, 145, 111-121.	2.1	11
64	Viral mimic poly-(I:C) attenuates airway epithelial T-cell suppressive capacity: implications for asthma. European Respiratory Journal, 2016, 48, 1785-1788.	6.7	11
65	MiRâ€31â€5p: A shared regulator of chronic mucus hypersecretion in asthma and chronic obstructive pulmonary disease. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 703-706.	5.7	11
66	Paracrine Regulation of Alveolar Epithelial Damage and Repair Responses by Human Lung-Resident Mesenchymal Stromal Cells. Cells, 2021, 10, 2860.	4.1	10
67	LL-37 and HMGB1 induce alveolar damage and reduce lung tissue regeneration via RAGE. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L641-L652.	2.9	9
68	MiR-223 is increased in lungs of patients with COPD and modulates cigarette smoke-induced pulmonary inflammation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L1091-L1104.	2.9	9
69	Adipose Stromal Cell-Secretome Counteracts Profibrotic Signals From IPF Lung Matrices. Frontiers in Pharmacology, 2021, 12, 669037.	3.5	8
70	Acute cigarette smokeâ€induced <scp>eQTL</scp> affects formyl peptide receptor expression and lung function. Respirology, 2021, 26, 233-240.	2.3	7
71	A Protective Role of FAM13A in Human Airway Epithelial Cells Upon Exposure to Cigarette Smoke Extract. Frontiers in Physiology, 2021, 12, 690936.	2.8	7
72	Effects of cigarette smoking on SARSâ€CoV â€2 receptor ACE2 expression in the respiratory epithelium â€. Journal of Pathology, 2021, 253, 351-354.	4.5	7

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73	Join or Leave the Club: Jagged1 and Notch2 Dictate the Fate of Airway Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 4-6.	2.9	6
74	MicroPET Evaluation of a Hydroxamate-Based MMP Inhibitor, [18F]FB-ML5, in a Mouse Model of Cigarette Smoke-Induced Acute Airway Inflammation. Molecular Imaging and Biology, 2015, 17, 680-687.	2.6	5
75	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
76	Inhibition of Î²â€•catenin/CBP signalling improves airway epithelial barrier function and suppresses CCL20 release. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 1786-1789.	5.7	3
77	Identifying a nasal gene expression signature associated with hyperinflation and treatment response in severe COPD. Scientific Reports, 2020, 10, 17415.	3.3	2
78	Inhibition of Î²-Catenin/CREB Binding Protein Signaling Attenuates House Dust Mite-Induced Goblet Cell Metaplasia in Mice. Frontiers in Physiology, 2021, 12, 690531.	2.8	2
79	MicroRNAs Associated with Chronic Mucus Hypersecretion in COPD Are Involved in Fibroblastâ€“Epithelium Crosstalk. Cells, 2022, 11, 526.	4.1	2
80	Beyond the Immune System: The Role of Resident Cells in Asthma and COPD. Journal of Allergy, 2012, 2012, 1-3.	0.7	1
81	Are salmeterol's beneficial effects on corticosteroid action in the airways executed at the epithelial barrier?. Respirology, 2013, 18, 1165-1166.	2.3	1
82	Dynamic Reciprocity: The Role of the Extracellular Matrix Microenvironment in Amplifying and Sustaining Pathological Lung Fibrosis. Molecular and Translational Medicine, 2019, , 239-270.	0.4	1
83	ERS International Congress, Madrid, 2019: highlights from the Basic and Translational Science Assembly. ERJ Open Research, 2020, 6, 00350-2019.	2.6	1
84	Connecting GWAS Susceptibility Genes in COPD: Do We Need to Consider TGF-Î²2?. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 468-470.	2.9	1
85	miR449 Protects Airway Regeneration by Controlling AURKA/HDAC6-Mediated Ciliary Disassembly. International Journal of Molecular Sciences, 2022, 23, 7749.	4.1	1
86	Aâ€•kinase anchoring proteins (AKAPs) regulate airway smooth muscle secretory function. FASEB Journal, 2013, 27, 882.5.	0.5	0
87	Role for Aâ€•kinase anchoring proteins in cigarette smokeâ€•induced barrier dysfunction. FASEB Journal, 2013, 27, 1107.6.	0.5	0