Univ-Prof Heinz Fehrenbach

List of Publications by Year
in descending order

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99 papers	4,834 citations	117571 34 h-index	98753 67 g-index
102 all docs	102 docs citations	102 times ranked	6341 citing authors

#	Article	IF	Citations
1	ILâ€37 regulates allergic inflammation by counterbalancing proâ€inflammatory ILâ€1 and ILâ€33. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 856-869.	2.7	25
2	Characterization of phospholipid-modified lung surfactant in vitro and in a neonatal ARDS model reveals anti-inflammatory potential and surfactant lipidome signatures. European Journal of Pharmaceutical Sciences, 2022, 175, 106216.	1.9	1
3	Constitutive immune activity promotes JNK- and FoxO-dependent remodeling of Drosophila airways. Cell Reports, 2021, 35, 108956.	2.9	22
4	Mission impossible?. EMBO Reports, 2021, 22, e52334.	2.0	2
5	CARM1 regulates senescence during airway epithelial cell injury in COPD pathogenesis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 317, L602-L614.	1.3	16
6	The alphaâ€melanocyteâ€stimulating hormone acts as a local immune homeostasis factor in experimental allergic asthma. Clinical and Experimental Allergy, 2019, 49, 1026-1039.	1.4	10
7	Novel therapeutic roles for surfactant-inositols and -phosphatidylglycerols in a neonatal piglet ARDS model: a translational study. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, L32-L53.	1.3	29
8	Low Dose Carbon Black Nanoparticle Exposure Does Not Aggravate Allergic Airway Inflammation in Mice Irrespective of the Presence of Surface Polycyclic Aromatic Hydrocarbons. Nanomaterials, 2018, 8, 213.	1.9	5
9	Optimising experimental research in respiratory diseases: an ERS statement. European Respiratory Journal, 2018, 51, 1702133.	3.1	98
10	Airway remodeling in asthma: what really matters. Cell and Tissue Research, 2017, 367, 551-569.	1.5	278
11	Biological effects of carbon black nanoparticles are changed by surface coating with polycyclic aromatic hydrocarbons. Particle and Fibre Toxicology, 2017, 14, 8.	2.8	55
12	Transcriptomic analysis comparing mouse strains with extreme total lung capacities identifies novel candidate genes for pulmonary function. Respiratory Research, 2017, 18, 152.	1.4	9
13	A distinct microbiota composition is associated with protection from food allergy in an oral mouse immunization model. Clinical Immunology, 2016, 173, 10-18.	1.4	52
14	Distal airways are protected from goblet cell metaplasia by diminished expression of <scp>IL</scp>â€13 signalling components. Clinical and Experimental Allergy, 2015, 45, 1447-1458.	1.4	15
15	The H₂S-generating enzymes cystathionine Î²-synthase and cystathionine Î³-lyase play a role in vascular development during normal lung alveolarization. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L710-L724.	1.3	46
16	IL-37 requires IL-18RÎ± and SIGIRR/IL-1R8 to diminish allergic airway inflammation in mice. Allergy: European Journal of Allergy and Clinical Immunology, 2015, 70, 366-373.	2.7	119
17	Poly(inosinic-cytidylic) Acidâ€“Triggered Exacerbation of Experimental Asthma Depends on IL-17A Produced by NK Cells. Journal of Immunology, 2015, 194, 5615-5625.	0.4	44
18	Peripheral Erythrocytes Decrease upon Specific Respiratory Challenge with Grass Pollen Allergen in Sensitized Mice and in Human Subjects. PLoS ONE, 2014, 9, e86701.	1.1	10

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19	Systemic hydrogen sulfide administration partially restores normal alveolarization in an experimental animal model of bronchopulmonary dysplasia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 306, L684-L697.	1.3	49
20	Cell Counting in Human Endobronchial Biopsies - Disagreement of 2D versus 3D Morphometry. PLoS ONE, 2014, 9, e92510.	1.1	7
21	Effects of recombinant human keratinocyte growth factor on surfactant, plasma, and liver phospholipid homeostasis in hyperoxic neonatal rats. Journal of Applied Physiology, 2012, 112, 1317-1328.	1.2	13
22	Alveolar epithelial type II cells from embryonic stem cells: knights in shining armour?. European Respiratory Journal, 2012, 39, 240-241.	3.1	8
23	Pulmonary Haptoglobin and CD163 Are Functional Immunoregulatory Elements in the Human Lung. Respiration, 2012, 83, 61-73.	1.2	20
24	Long-Term Bortezomib Treatment Reduces Allergen-Specific IgE but Fails to Ameliorate Chronic Asthma in Mice. International Archives of Allergy and Immunology, 2012, 158, 43-53.	0.9	17
25	Lung endothelial monocyte-activating protein 2 is a mediator of cigarette smokeâ€“induced emphysema in mice. Journal of Clinical Investigation, 2012, 122, 2703-2703.	3.9	1
26	Nerve growth factor induces type III collagen production in chronic allergic airway inflammation. Journal of Allergy and Clinical Immunology, 2011, 128, 1058-1066.e4.	1.5	23
27	Lung endothelial monocyte-activating protein 2 is a mediator of cigarette smokeâ€“induced emphysema in mice. Journal of Clinical Investigation, 2011, 121, 2470-2479.	3.9	59
28	Ultrastructural changes of the intracellular surfactant pool in a rat model of lung transplantation-related events. Respiratory Research, 2011, 12, 79.	1.4	18
29	rhKGF stimulates lung surfactant production in neonatal rats in vivo. Pediatric Pulmonology, 2011, 46, 882-895.	1.0	17
30	All-trans retinoic acid results in irregular repair of septa and fails to inhibit proinflammatory macrophages. European Respiratory Journal, 2011, 38, 425-439.	3.1	16
31	A Single D_H Gene Segment Is Sufficient for the Establishment of an Asthma Phenotype in a Murine Model of Allergic Airway Inflammation. International Archives of Allergy and Immunology, 2011, 156, 247-258.	0.9	5
32	Selective depletion of Foxp3⁺ Treg during sensitization phase aggravates experimental allergic airway inflammation. European Journal of Immunology, 2010, 40, 2259-2266.	1.6	43
33	Pretreatment with perfluorohexane vapor attenuates fMLP-induced lung injury in isolated perfused rabbit lungs. Experimental Lung Research, 2010, 36, 342-351.	0.5	7
34	Left-sided mouse intubation: description and evaluation. Experimental Lung Research, 2010, 36, 25-30.	0.5	4
35	An Official Research Policy Statement of the American Thoracic Society/European Respiratory Society: Standards for Quantitative Assessment of Lung Structure. American Journal of Respiratory and Critical Care Medicine, 2010, 181, 394-418.	2.5	760
36	Palifermin Induces Alveolar Maintenance Programs in Emphysematous Mice. American Journal of Respiratory and Critical Care Medicine, 2010, 181, 705-717.	2.5	55

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37	Treatment with keratinocyte growth factor does not improve lung allograft survival in the rat. Langenbeck's Archives of Surgery, 2009, 394, 133-141.	0.8	2
38	Composition of the immunoglobulin classic antigenâ€binding site regulates allergic airway inflammation in a murine model of experimental asthma. Clinical and Experimental Allergy, 2009, 39, 591-601.	1.4	10
39	Systematic comparison of RNA extraction techniques from frozen and fresh lung tissues: checkpoint towards gene expression studies. Diagnostic Pathology, 2009, 4, 9.	0.9	37
40	Elastase-induced lung emphysema in rats is not reduced by hematopoietic growth factors when applied preventionally. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2008, 452, 675-688.	1.4	10
41	Loss of classical transient receptor potential 6 channel reduces allergic airway response. Clinical and Experimental Allergy, 2008, 38, 1548-1558.	1.4	91
42	Molecular architecture of the fruit fly's airway epithelial immune system. BMC Genomics, 2008, 9, 446.	1.2	59
43	Anti-acids lead to immunological and morphological changes in the intestine of BALB/c mice similar to human food allergy. Experimental and Toxicologic Pathology, 2008, 60, 337-345.	2.1	27
44	Neoalveolarisation contributes to compensatory lung growth following pneumonectomy in mice. European Respiratory Journal, 2008, 31, 515-522.	3.1	99
45	DNA-Microarray Technology: Comparison of Methodological Factors of Recent Technique Towards Gene Expression Profiling. Critical Reviews in Biotechnology, 2008, 28, 239-251.	5.1	9
46	Decreased Pathology and Prolonged Survival of Human DC-SIGN Transgenic Mice during Mycobacterial Infection. Journal of Immunology, 2008, 180, 6836-6845.	0.4	80
47	Keratinocyte growth factor protects against Clara cell injury induced by naphthalene. European Respiratory Journal, 2008, 32, 694-704.	3.1	31
48	Keratinocyte growth factor prevents intra-alveolar oedema in experimental lung isografts. European Respiratory Journal, 2008, 31, 21-28.	3.1	10
49	Nitrogen dioxide induces apoptosis and proliferation but not emphysema in rat lungs. Thorax, 2007, 62, 438-446.	2.7	11
50	Administration of keratinocyte growth factor down-regulates the pulmonary capacity of acetylcholine production. International Journal of Biochemistry and Cell Biology, 2007, 39, 1955-1963.	1.2	6
51	Administration of keratinocyte growth factor (KGF) modulates the pulmonary expression of nicotinic acetylcholine receptor subunits Î±7, Î±9 and Î±10. Life Sciences, 2007, 80, 2290-2293.	2.0	15
52	Effects of keratinocyte growth factor on intraâ€alveolar surfactant fixed in situ: Quantitative ultrastructural and immunoelectron microscopic analysis. Anatomical Record, 2007, 290, 974-980.	0.8	1
53	Epidermal fatty acid-binding protein is increased in rat lungs following in vivo treatment with keratinocyte growth factor. International Journal of Biochemistry and Cell Biology, 2006, 38, 279-287.	1.2	9
54	Involvement of distal airways in a chronic model of experimental asthma. Clinical and Experimental Allergy, 2005, 35, 1263-1274.	1.4	86

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55	NO2-induced airway inflammation is associated with progressive airflow limitation and development of emphysema-like lesions in C57BL/6 mice. Experimental and Toxicologic Pathology, 2005, 56, 341-350.	2.1	53
56	Cell-specific modulation of surfactant proteins by ambroxol treatment. Toxicology and Applied Pharmacology, 2005, 203, 27-35.	1.3	30
57	Improved lung preservation relates to an increase in tubular myelin-associated surfactant protein A. Respiratory Research, 2005, 6, 60.	1.4	18
58	Keratinocyte growth factor transiently alters pulmonary function in rats. Journal of Applied Physiology, 2004, 96, 704-710.	1.2	18
59	Phosphoinositide 3-OH Kinase Inhibition Prevents Ventilation-induced Lung Cell Activation. American Journal of Respiratory and Critical Care Medicine, 2004, 169, 201-208.	2.5	78
60	Characterisation of post-pneumonectomy lung growth in adult mice. European Respiratory Journal, 2004, 24, 524-532.	3.1	108
61	Occurence of lipid bodies in canine type II pneumocytes during hypothermic lung ischemia. The Anatomical Record, 2004, 277A, 287-297.	2.3	10
62	Reduced vascular endothelial growth factor correlates with alveolar epithelial damage after experimental ischemia and reperfusion. Journal of Heart and Lung Transplantation, 2003, 22, 967-978.	0.3	29
63	Alveolar macrophages are the main source for tumour necrosis factorâ€Î± in patients with sarcoidosis. European Respiratory Journal, 2003, 21, 421-428.	3.1	97
64	Surfactant Homeostasis Is MaintainedIn Vivoduring Keratinocyte Growth Factorâ€“induced Rat Lung Type II Cell Hyperplasia. American Journal of Respiratory and Critical Care Medicine, 2003, 167, 1264-1270.	2.5	21
65	Involvement of Cathepsin H in the Processing of the Hydrophobic Surfactant-Associated Protein C in Type II Pneumocytes. American Journal of Respiratory Cell and Molecular Biology, 2002, 26, 659-670.	1.4	82
66	Keratinocyte growth factor-induced proliferation of rat airway epithelium is restricted to Clara cells in vivo. European Respiratory Journal, 2002, 20, 1185-1197.	3.1	29
67	Animal Models of Chronic Obstructive Pulmonary Disease: Some Critical Remarks. Pathobiology, 2002, 70, 277-283.	1.9	28
68	Increased surfactant protein DÂin rat airway goblet and Clara cells during ovalbumin-induced allergic airway inflammation. Clinical and Experimental Allergy, 2002, 32, 1251-1258.	1.4	49
69	Alveolar epithelial type II cell: defender of the alveolus revisited. Respiratory Research, 2001, 2, 33.	1.4	617
70	Nitroglycerin alters alveolar type II cell ultrastructure after ischemia and reperfusion. Journal of Heart and Lung Transplantation, 2001, 20, 876-888.	0.3	16
71	Changes in xylosyltransferase activity and in proteoglycan deposition in bleomycin-induced lung injury in rat. European Respiratory Journal, 2001, 18, 347-356.	3.1	15
72	Evaluation of Pulmonary Edema: Stereological versus Gravimetrical Analysis. European Surgical Research, 2001, 33, 270-278.	0.6	24

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73	Ultrastructure of canine type II pneumocytes during hypothermic ischemia of the lung: A study by means of conventional and energy filtering transmission electron microscopy and stereology. The Anatomical Record, 2001, 263, 118-126.	2.3	23
74	Up-regulated expression of the receptor for advanced glycation end products in cultured rat hepatic stellate cells during transdifferentiation to myofibroblasts. Hepatology, 2001, 34, 943-952.	3.6	137
75	Preservation of intraalveolar surfactant in a rat lung ischaemia/reperfusion injury model. European Respiratory Journal, 2000, 15, 526-531.	3.1	38
76	Alveolar epithelial typeÂII cell apoptosis in vivo during resolution of keratinocyte growth factor-induced hyperplasia in the rat. Histochemistry and Cell Biology, 2000, 114, 49-61.	0.8	46
77	Resistance of L132 lung cell clusters to glyoxal-induced apoptosis. Histochemistry and Cell Biology, 2000, 114, 283-292.	0.8	12
78	Induction of Apoptosis by Glyoxal in Human Embryonic Lung Epithelial Cell Line L132. American Journal of Respiratory Cell and Molecular Biology, 2000, 23, 485-491.	1.4	70
79	Beneficial Effect of Lung Preservation Is Related to Ultrastructural Integrity of Tubular Myelin after Experimental Ischemia and Reperfusion. American Journal of Respiratory and Critical Care Medicine, 2000, 161, 2058-2065.	2.5	30
80	Ultrastructural Alterations in Intraalveolar Surfactant Subtypes after Experimental Ischemia and Reperfusion. American Journal of Respiratory and Critical Care Medicine, 1999, 160, 718-724.	2.5	73
81	Stereological estimation of the volume weighted mean volumes of alveoli and acinar pathways in the rat lung to characterise alterations after ischaemia/reperfusion. Journal of Anatomy, 1999, 194, 127-135.	0.9	35
82	Alterations in the immunohistochemical distribution patterns of vascular endothelial growth factor receptors Flk1 and Flt1 in bleomycin-induced rat lung fibrosis. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 1999, 435, 20-31.	1.4	33
83	Differential immunolocalization of VEGF in rat and human adult lung, and in experimental rat lung fibrosis: Light, fluorescence, and electron microscopy. The Anatomical Record, 1999, 254, 61-73.	2.3	86
84	Pulmonary ischemia/reperfusion injury: A quantitative study of structure and function in isolated heart-lungs of the rat. The Anatomical Record, 1999, 255, 84-99.	2.3	39
85	Combined use of prostacyclin and higher perfusate temperatures further enhances the superior lung preservation by celsior solution in the isolated rat lung. Journal of Heart and Lung Transplantation, 1999, 18, 684-692.	0.3	25
86	Improvement of Rat Lung Structure and Function after Preservation with Celsior. Journal of Surgical Research, 1999, 82, 285-293.	0.8	13
87	Experimental Induction of AGEs in Fetal L132 Lung Cells Changes the Level of Intracellular Cathepsin D. Biochemical and Biophysical Research Communications, 1999, 261, 175-182.	1.0	19
88	Keratinocyte growth factor-induced hyperplasia of rat alveolar type II cells in vivo is resolved by differentiation into type I cells and by apoptosis. European Respiratory Journal, 1999, 14, 534.	3.1	97
89	Ultrastructural pathology of the alveolar type II pneumocytes of human donor lungs. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 1998, 432, 229-239.	1.4	28
90	Early Alterations in Intracellular and Alveolar Surfactant of the Rat Lung in Response to Endotoxin. American Journal of Respiratory and Critical Care Medicine, 1998, 157, 1630-1639.	2.5	47

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91	Morphometric characterisation of the fine structure of human type II pneumocytes. The Anatomical Record, 1995, 243, 49-62.	2.3	19
92	Micro analysis of the egg shell of Adela metallica (Poda) (Lepidoptera : Adelidae) by energy-filtering transmission electron microscopy (EFTEM). Arthropod Structure and Development, 1995, 24, 195-202.	0.4	1
93	Electron spectroscopic imaging (ESI) and electron energy loss spectroscopy (EELS) of multilamellar bodies and multilamellar body-like structures in tannic acid-treated alveolar septal cells.. Journal of Histochemistry and Cytochemistry, 1994, 42, 805-809.	1.3	13
94	Evaluation of lanthanide tracer methods in the study of mammalian pulmonary parenchyma and cardiac muscle by electron energyâ€loss spectroscopy. Journal of Microscopy, 1994, 174, 207-223.	0.8	8
95	Electron spectroscopic study (ESI, EELS) of Nanoplastâ€embedded mammalian lung. Journal of Microscopy, 1992, 166, 401-416.	0.8	8
96	Improved preservation of phospholipidâ€rich multilamellar bodies in conventionally embedded mammalian lung tissueâ€”an electron spectroscopic study. Journal of Microscopy, 1991, 162, 91-104.	0.8	19
97	Fine structure of the eggshells of four primitive moths: Hepialus hecta (L.),Wiseana umbraculata (GuÃ©nÃ©e) (Hepialidae), Mnesarchaea fusilella walker and M. Acuta philp. (Mnesarchaeidae) (Lepidoptera,) Tj ET Q q 1 1 0.7 8 4314 rg		
98	Eggshell fine structure of three lepidopteran pests: Cydia pomonella (L.) (Tortricidae), Heliothis virescens (Fabr.), and Spodoptera littoralis (Boisd.) (Noctuidae). Arthropod Structure and Development, 1987, 16, 201-219.	0.4	29
99	18. Eggs. , 0, , .		3