

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	An Official Research Policy Statement of the American Thoracic Society/European Respiratory Society: Standards for Quantitative Assessment of Lung Structure. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 181, 394-418.	2.5	760
2	Alveolar epithelial type II cell: defender of the alveolus revisited. <i>Respiratory Research</i> , 2001, 2, 33.	1.4	617
3	Airway remodeling in asthma: what really matters. <i>Cell and Tissue Research</i> , 2017, 367, 551-569.	1.5	278
4	Up-regulated expression of the receptor for advanced glycation end products in cultured rat hepatic stellate cells during transdifferentiation to myofibroblasts. <i>Hepatology</i> , 2001, 34, 943-952.	3.6	137
5	IL-37 requires IL-18R α and SIGIRR/IL-1R8 to diminish allergic airway inflammation in mice. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2015, 70, 366-373.	2.7	119
6	Characterisation of post-pneumonectomy lung growth in adult mice. <i>European Respiratory Journal</i> , 2004, 24, 524-532.	3.1	108
7	Neoalveolarisation contributes to compensatory lung growth following pneumonectomy in mice. <i>European Respiratory Journal</i> , 2008, 31, 515-522.	3.1	99
8	Optimising experimental research in respiratory diseases: an ERS statement. <i>European Respiratory Journal</i> , 2018, 51, 1702133.	3.1	98
9	Keratinocyte growth factor-induced hyperplasia of rat alveolar type II cells in vivo is resolved by differentiation into type I cells and by apoptosis. <i>European Respiratory Journal</i> , 1999, 14, 534.	3.1	97
10	Alveolar macrophages are the main source for tumour necrosis factor α in patients with sarcoidosis. <i>European Respiratory Journal</i> , 2003, 21, 421-428.	3.1	97
11	Loss of classical transient receptor potential 6 channel reduces allergic airway response. <i>Clinical and Experimental Allergy</i> , 2008, 38, 1548-1558.	1.4	91
12	Differential immunolocalization of VEGF in rat and human adult lung, and in experimental rat lung fibrosis: Light, fluorescence, and electron microscopy. <i>The Anatomical Record</i> , 1999, 254, 61-73.	2.3	86
13	Involvement of distal airways in a chronic model of experimental asthma. <i>Clinical and Experimental Allergy</i> , 2005, 35, 1263-1274.	1.4	86
14	Involvement of Cathepsin H in the Processing of the Hydrophobic Surfactant-Associated Protein C in Type II Pneumocytes. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2002, 26, 659-670.	1.4	82
15	Decreased Pathology and Prolonged Survival of Human DC-SIGN Transgenic Mice during Mycobacterial Infection. <i>Journal of Immunology</i> , 2008, 180, 6836-6845.	0.4	80
16	Phosphoinositide 3-OH Kinase Inhibition Prevents Ventilation-induced Lung Cell Activation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004, 169, 201-208.	2.5	78
17	Ultrastructural Alterations in Intraalveolar Surfactant Subtypes after Experimental Ischemia and Reperfusion. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1999, 160, 718-724.	2.5	73
18	Induction of Apoptosis by Glyoxal in Human Embryonic Lung Epithelial Cell Line L132. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2000, 23, 485-491.	1.4	70

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19	Molecular architecture of the fruit fly's airway epithelial immune system. <i>BMC Genomics</i> , 2008, 9, 446.	1.2	59
20	Lung endothelial monocyte-activating protein 2 is a mediator of cigarette smoke-induced emphysema in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 2470-2479.	3.9	59
21	Palifermin Induces Alveolar Maintenance Programs in Emphysematous Mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 181, 705-717.	2.5	55
22	Biological effects of carbon black nanoparticles are changed by surface coating with polycyclic aromatic hydrocarbons. <i>Particle and Fibre Toxicology</i> , 2017, 14, 8.	2.8	55
23	NO ₂ -induced airway inflammation is associated with progressive airflow limitation and development of emphysema-like lesions in C57BL/6 mice. <i>Experimental and Toxicologic Pathology</i> , 2005, 56, 341-350.	2.1	53
24	A distinct microbiota composition is associated with protection from food allergy in an oral mouse immunization model. <i>Clinical Immunology</i> , 2016, 173, 10-18.	1.4	52
25	Increased surfactant protein in rat airway goblet and Clara cells during ovalbumin-induced allergic airway inflammation. <i>Clinical and Experimental Allergy</i> , 2002, 32, 1251-1258.	1.4	49
26	Systemic hydrogen sulfide administration partially restores normal alveolarization in an experimental animal model of bronchopulmonary dysplasia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 306, L684-L697.	1.3	49
27	Early Alterations in Intracellular and Alveolar Surfactant of the Rat Lung in Response to Endotoxin. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1998, 157, 1630-1639.	2.5	47
28	Alveolar epithelial type II cell apoptosis in vivo during resolution of keratinocyte growth factor-induced hyperplasia in the rat. <i>Histochemistry and Cell Biology</i> , 2000, 114, 49-61.	0.8	46
29	The H ₂ S-generating enzymes cystathionine β -synthase and cystathionine γ -lyase play a role in vascular development during normal lung alveolarization. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L710-L724.	1.3	46
30	Poly(inosinic-cytidylic) Acid-Triggered Exacerbation of Experimental Asthma Depends on IL-17A Produced by NK Cells. <i>Journal of Immunology</i> , 2015, 194, 5615-5625.	0.4	44
31	Selective depletion of Foxp3 ⁺ Treg during sensitization phase aggravates experimental allergic airway inflammation. <i>European Journal of Immunology</i> , 2010, 40, 2259-2266.	1.6	43
32	Pulmonary ischemia/reperfusion injury: A quantitative study of structure and function in isolated heart-lungs of the rat. <i>The Anatomical Record</i> , 1999, 255, 84-99.	2.3	39
33	Preservation of intraalveolar surfactant in a rat lung ischaemia/reperfusion injury model. <i>European Respiratory Journal</i> , 2000, 15, 526-531.	3.1	38
34	Systematic comparison of RNA extraction techniques from frozen and fresh lung tissues: checkpoint towards gene expression studies. <i>Diagnostic Pathology</i> , 2009, 4, 9.	0.9	37
35	Stereological estimation of the volume weighted mean volumes of alveoli and acinar pathways in the rat lung to characterise alterations after ischaemia/reperfusion. <i>Journal of Anatomy</i> , 1999, 194, 127-135.	0.9	35
36	Alterations in the immunohistochemical distribution patterns of vascular endothelial growth factor receptors Flk1 and Flt1 in bleomycin-induced rat lung fibrosis. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 1999, 435, 20-31.	1.4	33

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37	Keratinocyte growth factor protects against Clara cell injury induced by naphthalene. <i>European Respiratory Journal</i> , 2008, 32, 694-704.	3.1	31
38	Beneficial Effect of Lung Preservation Is Related to Ultrastructural Integrity of Tubular Myelin after Experimental Ischemia and Reperfusion. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2000, 161, 2058-2065.	2.5	30
39	Cell-specific modulation of surfactant proteins by ambroxol treatment. <i>Toxicology and Applied Pharmacology</i> , 2005, 203, 27-35.	1.3	30
40	Eggshell fine structure of three lepidopteran pests: <i>Cydia pomonella</i> (L.) (Tortricidae), <i>Heliothis virescens</i> (Fabr.), and <i>Spodoptera littoralis</i> (Boisd.) (Noctuidae). <i>Arthropod Structure and Development</i> , 1987, 16, 201-219.	0.4	29
41	Keratinocyte growth factor-induced proliferation of rat airway epithelium is restricted to Clara cells in vivo. <i>European Respiratory Journal</i> , 2002, 20, 1185-1197.	3.1	29
42	Reduced vascular endothelial growth factor correlates with alveolar epithelial damage after experimental ischemia and reperfusion. <i>Journal of Heart and Lung Transplantation</i> , 2003, 22, 967-978.	0.3	29
43	Novel therapeutic roles for surfactant-inositols and -phosphatidylglycerols in a neonatal piglet ARDS model: a translational study. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 314, L32-L53.	1.3	29
44	Ultrastructural pathology of the alveolar type II pneumocytes of human donor lungs. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 1998, 432, 229-239.	1.4	28
45	Animal Models of Chronic Obstructive Pulmonary Disease: Some Critical Remarks. <i>Pathobiology</i> , 2002, 70, 277-283.	1.9	28
46	Anti-acids lead to immunological and morphological changes in the intestine of BALB/c mice similar to human food allergy. <i>Experimental and Toxicologic Pathology</i> , 2008, 60, 337-345.	2.1	27
47	Combined use of prostacyclin and higher perfusate temperatures further enhances the superior lung preservation by celsior solution in the isolated rat lung. <i>Journal of Heart and Lung Transplantation</i> , 1999, 18, 684-692.	0.3	25
48	IL-37 regulates allergic inflammation by counterbalancing pro-inflammatory IL-1 and IL-33. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 856-869.	2.7	25
49	Evaluation of Pulmonary Edema: Stereological versus Gravimetric Analysis. <i>European Surgical Research</i> , 2001, 33, 270-278.	0.6	24
50	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. <i>The Anatomical Record</i> , 2001, 263, 118-126.	2.3	23
51	Nerve growth factor induces type III collagen production in chronic allergic airway inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 128, 1058-1066.e4.	1.5	23
52	Constitutive immune activity promotes JNK- and FoxO-dependent remodeling of <i>Drosophila</i> airways. <i>Cell Reports</i> , 2021, 35, 108956.	2.9	22
53	Surfactant Homeostasis Is Maintained In Vivo during Keratinocyte Growth Factor-induced Rat Lung Type II Cell Hyperplasia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003, 167, 1264-1270.	2.5	21
54	Pulmonary Haptoglobin and CD163 Are Functional Immunoregulatory Elements in the Human Lung. <i>Respiration</i> , 2012, 83, 61-73.	1.2	20

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55	Improved preservation of phospholipid-rich multilamellar bodies in conventionally embedded mammalian lung tissue – an electron spectroscopic study. <i>Journal of Microscopy</i> , 1991, 162, 91-104.	0.8	19
56	Morphometric characterisation of the fine structure of human type II pneumocytes. <i>The Anatomical Record</i> , 1995, 243, 49-62.	2.3	19
57	Experimental Induction of AGEs in Fetal L132 Lung Cells Changes the Level of Intracellular Cathepsin D. <i>Biochemical and Biophysical Research Communications</i> , 1999, 261, 175-182.	1.0	19
58	Keratinocyte growth factor transiently alters pulmonary function in rats. <i>Journal of Applied Physiology</i> , 2004, 96, 704-710.	1.2	18
59	Improved lung preservation relates to an increase in tubular myelin-associated surfactant protein A. <i>Respiratory Research</i> , 2005, 6, 60.	1.4	18
60	Ultrastructural changes of the intracellular surfactant pool in a rat model of lung transplantation-related events. <i>Respiratory Research</i> , 2011, 12, 79.	1.4	18
61	rhKGF stimulates lung surfactant production in neonatal rats in vivo. <i>Pediatric Pulmonology</i> , 2011, 46, 882-895.	1.0	17
62	Long-Term Bortezomib Treatment Reduces Allergen-Specific IgE but Fails to Ameliorate Chronic Asthma in Mice. <i>International Archives of Allergy and Immunology</i> , 2012, 158, 43-53.	0.9	17
63	Nitroglycerin alters alveolar type II cell ultrastructure after ischemia and reperfusion. <i>Journal of Heart and Lung Transplantation</i> , 2001, 20, 876-888.	0.3	16
64	All-trans retinoic acid results in irregular repair of septa and fails to inhibit proinflammatory macrophages. <i>European Respiratory Journal</i> , 2011, 38, 425-439.	3.1	16
65	CARM1 regulates senescence during airway epithelial cell injury in COPD pathogenesis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 317, L602-L614.	1.3	16
66	Changes in xylosyltransferase activity and in proteoglycan deposition in bleomycin-induced lung injury in rat. <i>European Respiratory Journal</i> , 2001, 18, 347-356.	3.1	15
67	Administration of keratinocyte growth factor (KGF) modulates the pulmonary expression of nicotinic acetylcholine receptor subunits $\alpha 7$, $\alpha 9$ and $\alpha 10$. <i>Life Sciences</i> , 2007, 80, 2290-2293.	2.0	15
68	Distal airways are protected from goblet cell metaplasia by diminished expression of IL-13 signalling components. <i>Clinical and Experimental Allergy</i> , 2015, 45, 1447-1458.	1.4	15
69	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. <i>Journal of Histochemistry and Cytochemistry</i> , 1994, 42, 805-809.	1.3	13
70	Improvement of Rat Lung Structure and Function after Preservation with Celsior. <i>Journal of Surgical Research</i> , 1999, 82, 285-293.	0.8	13
71	Effects of recombinant human keratinocyte growth factor on surfactant, plasma, and liver phospholipid homeostasis in hyperoxic neonatal rats. <i>Journal of Applied Physiology</i> , 2012, 112, 1317-1328.	1.2	13
72	Resistance of L132 lung cell clusters to glyoxal-induced apoptosis. <i>Histochemistry and Cell Biology</i> , 2000, 114, 283-292.	0.8	12

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73	Nitrogen dioxide induces apoptosis and proliferation but not emphysema in rat lungs. <i>Thorax</i> , 2007, 62, 438-446.	2.7	11
74	Occurrence of lipid bodies in canine type II pneumocytes during hypothermic lung ischemia. <i>The Anatomical Record</i> , 2004, 277A, 287-297.	2.3	10
75	Elastase-induced lung emphysema in rats is not reduced by hematopoietic growth factors when applied preventively. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2008, 452, 675-688.	1.4	10
76	Keratinocyte growth factor prevents intra-alveolar oedema in experimental lung isografts. <i>European Respiratory Journal</i> , 2008, 31, 21-28.	3.1	10
77	Composition of the immunoglobulin classic antigen-binding site regulates allergic airway inflammation in a murine model of experimental asthma. <i>Clinical and Experimental Allergy</i> , 2009, 39, 591-601.	1.4	10
78	Peripheral Erythrocytes Decrease upon Specific Respiratory Challenge with Grass Pollen Allergen in Sensitized Mice and in Human Subjects. <i>PLoS ONE</i> , 2014, 9, e86701.	1.1	10
79	The alpha-melanocyte-stimulating hormone acts as a local immune homeostasis factor in experimental allergic asthma. <i>Clinical and Experimental Allergy</i> , 2019, 49, 1026-1039.	1.4	10
80	Epidermal fatty acid-binding protein is increased in rat lungs following in vivo treatment with keratinocyte growth factor. <i>International Journal of Biochemistry and Cell Biology</i> , 2006, 38, 279-287.	1.2	9
81	DNA-Microarray Technology: Comparison of Methodological Factors of Recent Technique Towards Gene Expression Profiling. <i>Critical Reviews in Biotechnology</i> , 2008, 28, 239-251.	5.1	9
82	Transcriptomic analysis comparing mouse strains with extreme total lung capacities identifies novel candidate genes for pulmonary function. <i>Respiratory Research</i> , 2017, 18, 152.	1.4	9
83	Electron spectroscopic study (ESI, EELS) of Nanoplast-embedded mammalian lung. <i>Journal of Microscopy</i> , 1992, 166, 401-416.	0.8	8
84	Evaluation of lanthanide tracer methods in the study of mammalian pulmonary parenchyma and cardiac muscle by electron energy-loss spectroscopy. <i>Journal of Microscopy</i> , 1994, 174, 207-223.	0.8	8
85	Alveolar epithelial type II cells from embryonic stem cells: knights in shining armour?. <i>European Respiratory Journal</i> , 2012, 39, 240-241.	3.1	8
86	Pretreatment with perfluorohexane vapor attenuates fMLP-induced lung injury in isolated perfused rabbit lungs. <i>Experimental Lung Research</i> , 2010, 36, 342-351.	0.5	7
87	Cell Counting in Human Endobronchial Biopsies - Disagreement of 2D versus 3D Morphometry. <i>PLoS ONE</i> , 2014, 9, e92510.	1.1	7
88	Administration of keratinocyte growth factor down-regulates the pulmonary capacity of acetylcholine production. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 1955-1963.	1.2	6
89	A Single D&H Gene Segment Is Sufficient for the Establishment of an Asthma Phenotype in a Murine Model of Allergic Airway Inflammation. <i>International Archives of Allergy and Immunology</i> , 2011, 156, 247-258.	0.9	5
90	Low Dose Carbon Black Nanoparticle Exposure Does Not Aggravate Allergic Airway Inflammation in Mice Irrespective of the Presence of Surface Polycyclic Aromatic Hydrocarbons. <i>Nanomaterials</i> , 2018, 8, 213.	1.9	5

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91	Fine structure of the eggshells of four primitive moths: <i>Hepialus hecta</i> (L.), <i>Wiseana umbraculata</i> (Günther) (Hepialidae), <i>Mnesarchaea fusilella</i> walker and <i>M. Acuta philp.</i> (Mnesarchaeidae) (Lepidoptera,) Tj ETQq1 1 0.74314 rgB	1.0	4
92	Left-sided mouse intubation: description and evaluation. <i>Experimental Lung Research</i> , 2010, 36, 25-30.	0.5	4
93	18. Eggs. , 0, , .		3
94	Treatment with keratinocyte growth factor does not improve lung allograft survival in the rat. <i>Langenbeck's Archives of Surgery</i> , 2009, 394, 133-141.	0.8	2
95	Mission impossible?. <i>EMBO Reports</i> , 2021, 22, e52334.	2.0	2
96	Micro analysis of the egg shell of <i>Adela metallica</i> (Poda) (Lepidoptera : Adelidae) by energy-filtering transmission electron microscopy (EFTEM). <i>Arthropod Structure and Development</i> , 1995, 24, 195-202.	0.4	1
97	Effects of keratinocyte growth factor on intra-alveolar surfactant fixed in situ: Quantitative ultrastructural and immunoelectron microscopic analysis. <i>Anatomical Record</i> , 2007, 290, 974-980.	0.8	1
98	Lung endothelial monocyte-activating protein 2 is a mediator of cigarette smoke-induced emphysema in mice. <i>Journal of Clinical Investigation</i> , 2012, 122, 2703-2703.	3.9	1
99	Characterization of phospholipid-modified lung surfactant in vitro and in a neonatal ARDS model reveals anti-inflammatory potential and surfactant lipidome signatures. <i>European Journal of Pharmaceutical Sciences</i> , 2022, 175, 106216.	1.9	1