Melanie KÃ¶nigshoff

List of Publications by Year
in descending order

108 papers	7,981 citations	53794 45 h-index	56724 83 g-index
115 all docs	115 docs citations	115 times ranked	10485 citing authors

#	Article	IF	Citations
1	The arginine methyltransferase PRMT7 promotes extravasation of monocytes resulting in tissue injury in COPD. Nature Communications, 2022, 13, 1303.	12.8	42
2	A transcriptomics-guided drug target discovery strategy identifies receptor ligands for lung regeneration. Science Advances, 2022, 8, eabj9949.	10.3	20
3	Single-cell RNA sequencing identifies G-protein coupled receptor 87 as a basal cell marker expressed in distal honeycomb cysts in idiopathic pulmonary fibrosis. European Respiratory Journal, 2022, 59, 2102373.	6.7	16
4	Diesel exhaust particles distort lung epithelial progenitors and their fibroblast niche. Environmental Pollution, 2022, 305, 119292.	7.5	8
5	Extracellularâ€Matrixâ€Reinforced Bioinks for 3D Bioprinting Human Tissue. Advanced Materials, 2021, 33, e2005476.	21.0	142
6	Decellularized Human Lung as Complex Three-Dimensional Tissue Culture Models to Study Functional Behavior of. Methods in Molecular Biology, 2021, 2299, 447-456.	0.9	2
7	Three-dimensional tissue-based models for translational lung stem cell research: precision-cut lung slices. , 2021, , 222-231.		0
8	Regenerative Medicine and the Hope for a Cure. Clinics in Chest Medicine, 2021, 42, 365-373.	2.1	0
9	Simultaneous Pharmacologic Inhibition of Yesâ€Associated Protein 1 and Glutaminase 1 via Inhaled Poly(Lacticâ€coâ€Glycolic) Acidâ€"Encapsulated Microparticles Improves Pulmonary Hypertension. Journal of the American Heart Association, 2021, 10, e019091.	3.7	16
10	National Heart, Lung, and Blood Institute and Building Respiratory Epithelium and Tissue for Health (BREATH) Consortium Workshop Report: Moving Forward in Lung Regeneration. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 22-29.	2.9	2
11	A drug screen with approved compounds identifies amlexanox as a novel Wnt/Î²â€catenin activator inducing lung epithelial organoid formation. British Journal of Pharmacology, 2021, 178, 4026-4041.	5.4	10
12	WNT Signalling in Lung Physiology and Pathology. Handbook of Experimental Pharmacology, 2021, 269, 305-336.	1.8	10
13	Phenotypic drug screening in a human fibrosis model identified a novel class of antifibrotic therapeutics. Science Advances, 2021, 7, eabb3673.	10.3	15
14	Embedding of Precision-Cut Lung Slices in Engineered Hydrogel Biomaterials Supports Extended <i>Ex Vivo</i> Culture. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 14-22.	2.9	42
15	Precision 3Dâ€Printed Cell Scaffolds Mimicking Native Tissue Composition and Mechanics. Advanced Healthcare Materials, 2020, 9, e2000918.	7.6	29
16	Alveolar regeneration through a Krt8+ transitional stem cell state that persists in human lung fibrosis. Nature Communications, 2020, 11, 3559.	12.8	378
17	Inhibition of LTÎ²R signalling activates WNT-induced regeneration in lung. Nature, 2020, 588, 151-156.	27.8	81
18	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

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19	Exosome Isolation by Ultracentrifugation and Precipitation and Techniques for Downstream Analyses. Current Protocols in Cell Biology, 2020, 88, e110.	2.3	100
20	Chronic WNT/Î²-catenin signaling induces cellular senescence in lung epithelial cells. Cellular Signalling, 2020, 70, 109588.	3.6	68
21	Applications and Approaches for Three-Dimensional Precision-Cut Lung Slices. Disease Modeling and Drug Discovery. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 681-691.	2.9	79
22	Noncanonical Wnt planar cell polarity signaling in lung development and disease. Biochemical Society Transactions, 2020, 48, 231-243.	3.4	33
23	Hyperoxia Injury in the Developing Lung Is Mediated by Mesenchymal Expression of Wnt5A. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 1249-1262.	5.6	52
24	Shared and distinct mechanisms of fibrosis. Nature Reviews Rheumatology, 2019, 15, 705-730.	8.0	331
25	Mesenchymal WNT-5A/5B Signaling Represses Lung Alveolar Epithelial Progenitors. Cells, 2019, 8, 1147.	4.1	49
26	The Oncogene ECT2 Contributes to a Hyperplastic, Proliferative Lung Epithelial Cell Phenotype in Idiopathic Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 713-726.	2.9	15
27	Generation of Human 3D Lung Tissue Cultures (3D-LTCs) for Disease Modeling. Journal of Visualized Experiments, 2019, , .	0.3	24
28	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
29	Syndecan-1 promotes lung fibrosis by regulating epithelial reprogramming through extracellular vesicles. JCI Insight, 2019, 4, .	5.0	50
30	High-Throughput Drug Screening of ECM Deposition Inhibitors for Antifibrotic Drug Discovery. Pneumologie, 2019, 73, .	0.1	0
31	WNT receptor signalling in lung physiology and pathology. , 2018, 187, 150-166.		44
32	Breaking the <i>In Vitro</i> Barrier in Respiratory Medicine. Engineered Microphysiological Systems for Chronic Obstructive Pulmonary Disease and Beyond. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 869-875.	5.6	19
33	The WNT signaling pathways in wound healing and fibrosis. Matrix Biology, 2018, 68-69, 67-80.	3.6	133
34	Cellâ€specific expression of runtâ€related transcription factor 2 contributes to pulmonary fibrosis. FASEB Journal, 2018, 32, 703-716.	0.5	28
35	New players in chronic lung disease identified at the European Respiratory Society International Congress in Paris 2018: from microRNAs to extracellular vesicles. Journal of Thoracic Disease, 2018, 10, S2983-S2987.	1.4	2
36	Retinoic acid signaling balances adult distal lung epithelial progenitor cell growth and differentiation. EBioMedicine, 2018, 36, 461-474.	6.1	64

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37	Differential effects of Nintedanib and Pirfenidone on lung alveolar epithelial cell function in ex vivo murine and human lung tissue cultures of pulmonary fibrosis. Respiratory Research, 2018, 19, 175.	3.6	90
38	Distinct niches within the extracellular matrix dictate fibroblast function in (cell free) 3D lung tissue cultures. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, L708-L723.	2.9	28
39	Cell-surface phenotyping identifies CD36 and CD97 as novel markers of fibroblast quiescence in lung fibrosis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L682-L696.	2.9	21
40	Increased Extracellular Vesicles Mediate WNT5A Signaling in Idiopathic Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 1527-1538.	5.6	127
41	S100a4 Is Secreted by Alternatively Activated Alveolar Macrophages and Promotes Activation of Lung Fibroblasts in Pulmonary Fibrosis. Frontiers in Immunology, 2018, 9, 1216.	4.8	64
42	Dynamic expression of HOPX in alveolar epithelial cells reflects injury and repair during the progression of pulmonary fibrosis. Scientific Reports, 2018, 8, 12983.	3.3	38
43	Reduced Frizzled Receptor 4 Expression Prevents WNT/Î²-Cateninâ€“driven Alveolar Lung Repair in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 172-185.	5.6	85
44	Lung volumes predict survival in patients with chronic lung allograft dysfunction. European Respiratory Journal, 2017, 49, 1601315.	6.7	35
45	<i>â€˜WNT-er is comingâ€™</i>: WNT signalling in chronic lung diseases. Thorax, 2017, 72, 746-759.	5.6	135
46	An Official American Thoracic Society Workshop Report: Use of Animal Models for the Preclinical Assessment of Potential Therapies for Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2017, 56, 667-679.	2.9	267
47	Cigarette smoke alters the secretome of lung epithelial cells. Proteomics, 2017, 17, 1600243.	2.2	18
48	Linking Wnt Signaling to Mucosal Inflammation. American Journal of Respiratory Cell and Molecular Biology, 2017, 56, 551-552.	2.9	1
49	An ex vivo model to induce early fibrosis-like changes in human precision-cut lung slices. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L896-L902.	2.9	144
50	Heterozygous <i>Vangl2</i> <i>Looptail</i> mice reveal novel roles for the planar cell polarity pathway in adult lung homeostasis and repair. DMM Disease Models and Mechanisms, 2017, 10, 409-423.	2.4	31
51	Noncanonical WNT-5A signaling impairs endogenous lung repair in COPD. Journal of Experimental Medicine, 2017, 214, 143-163.	8.5	122
52	Pulmonary CCR2⁺CD4⁺T cells are immune regulatory and attenuate lung fibrosis development. Thorax, 2017, 72, 1007-1020.	5.6	26
53	Senolytic drugs targetÂalveolar epithelial cell function and attenuate experimental lung fibrosis<i>ex vivo</i>. European Respiratory Journal, 2017, 50, 1602367.	6.7	267
54	Towards a global initiative for fibrosis treatment (GIFT). ERJ Open Research, 2017, 3, 00106-2017.	2.6	5

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55	Cancer cells induce interleukin-22 production from memory CD4⁺T cells via interleukin-1 to promote tumor growth. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12994-12999.	7.1	115
56	Age dictates a steroid-resistant cascade of Wnt5a, transglutaminase 2, and leukotrienes in inflamed airways. Journal of Allergy and Clinical Immunology, 2017, 139, 1343-1354.e6.	2.9	29
57	Lung ageing and COPD: is there a role for ageing in abnormal tissue repair?. European Respiratory Review, 2017, 26, 170073.	7.1	130
58	WNT Signaling in Lung Aging and Disease. Annals of the American Thoracic Society, 2016, 13, S411-S416.	3.2	50
59	Linking bronchopulmonary dysplasia to adult chronic lung diseases: role of WNT signaling. Molecular and Cellular Pediatrics, 2016, 3, 34.	1.8	39
60	Systematic Identification of Pharmacological Targets from Small-Molecule Phenotypic Screens. Cell Chemical Biology, 2016, 23, 1302-1313.	5.2	11
61	Systematic phenotyping and correlation of biomarkers with lung function and histology in lung fibrosis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L919-L927.	2.9	21
62	Impairment of Immunoproteasome Function by Cigarette Smoke and in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 1230-1241.	5.6	42
63	TGFâ€Î²â€induced profibrotic signaling is regulated in part by the WNT receptor Frizzledâ€8. FASEB Journal, 2016, 30, 1823-1835.	0.5	56
64	Membrane-anchored Serine Protease Matriptase Is a Trigger of Pulmonary Fibrogenesis. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 847-860.	5.6	47
65	miR-323a-3p regulates lung fibrosis by targeting multiple profibrotic pathways. JCI Insight, 2016, 1, e90301.	5.0	37
66	No involvement of alveolar macrophages in the initiation of carbon nanoparticle induced acute lung inflammation in mice. Particle and Fibre Toxicology, 2015, 13, 33.	6.2	30
67	BARD1 mediates TGF-Î² signaling in pulmonary fibrosis. Respiratory Research, 2015, 16, 118.	3.6	22
68	Enolase 1 and protein disulfide isomerase associated 3 regulate Wnt/Î²-catenin driven alveolar epithelial cell trans-differentiation. DMM Disease Models and Mechanisms, 2015, 8, 877-90.	2.4	53
69	Hallmarks of the ageing lung. European Respiratory Journal, 2015, 45, 807-827.	6.7	264
70	Protease-Mediated Release of Chemotherapeutics from Mesoporous Silica Nanoparticles to <i>ex Vivo</i> Human and Mouse Lung Tumors. ACS Nano, 2015, 9, 2377-2389.	14.6	165
71	Coactivator-Associated Arginine Methyltransferase-1 Function in Alveolar Epithelial Senescence and Elastase-Induced Emphysema Susceptibility. American Journal of Respiratory Cell and Molecular Biology, 2015, 53, 769-781.	2.9	17
72	Preclinical validation and imaging of Wnt-induced repair in human 3D lung tissue cultures. European Respiratory Journal, 2015, 46, 1150-1166.	6.7	132

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73	Attenuating endogenous Fgfr2b ligands during bleomycin-induced lung fibrosis does not compromise murine lung repair. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L1014-L1024.	2.9	19
74	Multidimensional immunolabeling and 4D time-lapse imaging of vital ex vivo lung tissue. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L323-L332.	2.9	24
75	Validation of the 2nd Generation Proteasome Inhibitor Oprozomib for Local Therapy of Pulmonary Fibrosis. PLoS ONE, 2015, 10, e0136188.	2.5	11
76	Live and Let Die: Targeting Alveolar Epithelial Cell Proliferation in Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 1339-1341.	5.6	5
77	The new Back to Basics section: emerging concepts in basic and translational medicine. European Respiratory Journal, 2014, 44, 297-298.	6.7	5
78	Cigarette smoke extract affects mitochondrial function in alveolar epithelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 307, L895-L907.	2.9	103
79	miR-92a regulates TGF-Î²1-induced WISP1 expression in pulmonary fibrosis. International Journal of Biochemistry and Cell Biology, 2014, 53, 432-441.	2.8	95
80	Paired Immunoglobulin-Like Receptorâ€“B Inhibits Pulmonary Fibrosis by Suppressing Profibrogenic Properties of Alveolar Macrophages. American Journal of Respiratory Cell and Molecular Biology, 2013, 48, 456-464.	2.9	27
81	Of flies, mice and men: a systematic approach to understanding the early life origins of chronic lung disease. Thorax, 2013, 68, 380-384.	5.6	34
82	The WNT signaling pathway from ligand secretion to gene transcription: Molecular mechanisms and pharmacological targets. , 2013, 138, 66-83.		142
83	WNT/Î²-Catenin Signaling Induces IL-1Î² Expression by Alveolar Epithelial Cells in Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 96-104.	2.9	150
84	Considerations for Targeting Î²-Catenin Signaling in Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 566-568.	5.6	26
85	In search of the fibrotic epithelial cell: opportunities for a collaborative network. Thorax, 2012, 67, 179-182.	5.6	16
86	Galectin-3: The Bridge over Troubled Waters. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 473-475.	5.6	10
87	Endogenous Lung Regeneration. American Journal of Respiratory and Critical Care Medicine, 2012, 186, 1213-1219.	5.6	54
88	SFTA2â€”A Novel Secretory Peptide Highly Expressed in the Lungâ€”Is Modulated by Lipopolysaccharide but Not Hyperoxia. PLoS ONE, 2012, 7, e40011.	2.5	19
89	WNT1 inducible signaling pathway protein 1 (WISP1): A novel mediator linking development and disease. International Journal of Biochemistry and Cell Biology, 2011, 43, 306-309.	2.8	95
90	From molecule to man: Integrating molecular biology with whole organ physiology in studying respiratory disease. Pulmonary Pharmacology and Therapeutics, 2011, 24, 466-470.	2.6	8

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91	Human lung stem cells: Oh, the places you'll go!. EMBO Molecular Medicine, 2011, 3, 575-577.	6.9	2
92	Activation of the WNT/Î²-Catenin Pathway Attenuates Experimental Emphysema. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 723-733.	5.6	162
93	Role of von Hippelâ€Lindau protein in fibroblast proliferation and fibrosis. FASEB Journal, 2011, 25, 3032-3044.	0.5	24
94	Lung Cancer in Pulmonary Fibrosis: Tales of Epithelial Cell Plasticity. Respiration, 2011, 81, 353-358.	2.6	46
95	The Role of Dimethylarginine Dimethylaminohydrolase in Idiopathic Pulmonary Fibrosis. Science Translational Medicine, 2011, 03, 87ra53.	12.4	59
96	Increased expression of 5-hydroxytryptamine2A/B receptors in idiopathic pulmonary fibrosis: a rationale for therapeutic intervention. Thorax, 2010, 65, 949-955.	5.6	66
97	WNT Signaling in Lung Disease. American Journal of Respiratory Cell and Molecular Biology, 2010, 42, 21-31.	2.9	243
98	Pulmonary Epithelium Is a Prominent Source of Proteinase-activated Receptor-1â€“inducible CCL2 in Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 414-425.	5.6	111
99	Increased local expression of coagulation factor X contributes to the fibrotic response in human and murine lung injury. Journal of Clinical Investigation, 2009, 119, 2550-63.	8.2	251
100	WNT1-inducible signaling proteinâ€“1 mediates pulmonary fibrosis in mice and is upregulated in humans with idiopathic pulmonary fibrosis. Journal of Clinical Investigation, 2009, 119, 772-87.	8.2	447
101	Plasminogen activator inhibitor type 1 inhibits smooth muscle cell proliferation in pulmonary arterial hypertension. International Journal of Biochemistry and Cell Biology, 2008, 40, 1872-1882.	2.8	33
102	Transgelin is a direct target of TGFâ€Î²/Smad3â€dependent epithelial cell migration in lung fibrosis. FASEB Journal, 2008, 22, 1778-1789.	0.5	121
103	Loss of RAGE in Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2008, 39, 337-345.	2.9	122
104	Functional Wnt Signaling Is Increased in Idiopathic Pulmonary Fibrosis. PLoS ONE, 2008, 3, e2142.	2.5	429
105	The Angiotensin II Receptor 2 Is Expressed and Mediates Angiotensin II Signaling in Lung Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2007, 37, 640-650.	2.9	82
106	Thrombin Impairs Alveolar Fluid Clearance by Promoting Endocytosis of Na+,K+-ATPase. American Journal of Respiratory Cell and Molecular Biology, 2005, 33, 343-354.	2.9	64
107	HER-2/neu Gene Copy Number Quantified by Real-Time PCR: Comparison of Gene Amplification, Heterozygosity, and Immunohistochemical Status in Breast Cancer Tissue. Clinical Chemistry, 2003, 49, 219-229.	3.2	66
108	Powering the formation of alveoli. ELife, 0, 11, .	6.0	1