

# Oliver Eickelberg

## List of Publications by Year in descending order

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264  
papers

20,545  
citations

7568

77  
h-index

12946

131  
g-index

280  
all docs

280  
docs citations

280  
times ranked

25119  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellular and molecular pathobiology of pulmonary arterial hypertension. <i>Journal of the American College of Cardiology</i> , 2004, 43, S13-S24.	2.8	1,322
2	The Impact of TGF- $\beta$ 2 on Lung Fibrosis. <i>Proceedings of the American Thoracic Society</i> , 2012, 9, 111-116.	3.5	530
3	Inhibition and Role of let-7d in Idiopathic Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 220-229.	5.6	454
4	WNT1-inducible signaling protein $\beta$ 1 mediates pulmonary fibrosis in mice and is upregulated in humans with idiopathic pulmonary fibrosis. <i>Journal of Clinical Investigation</i> , 2009, 119, 772-87.	8.2	447
5	Functional Wnt Signaling Is Increased in Idiopathic Pulmonary Fibrosis. <i>PLoS ONE</i> , 2008, 3, e2142.	2.5	429
6	An atlas of the aging lung mapped by single cell transcriptomics and deep tissue proteomics. <i>Nature Communications</i> , 2019, 10, 963.	12.8	408
7	Biglycan, a Danger Signal That Activates the NLRP3 Inflammasome via Toll-like and P2X Receptors. <i>Journal of Biological Chemistry</i> , 2009, 284, 24035-24048.	3.4	407
8	New cellular and molecular mechanisms of lung injury and fibrosis in idiopathic pulmonary fibrosis. <i>Lancet</i> , The, 2012, 380, 680-688.	13.7	370
9	Mutations of the TGF- $\beta$ 2 type II receptorBMPR2 in pulmonary arterial hypertension. <i>Human Mutation</i> , 2006, 27, 121-132.	2.5	368
10	Ligand-independent Activation of the Glucocorticoid Receptor by $\beta$ 2-Adrenergic Receptor Agonists in Primary Human Lung Fibroblasts and Vascular Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 1005-1010.	3.4	352
11	Genetics and Genomics of Pulmonary Arterial Hypertension. <i>Journal of the American College of Cardiology</i> , 2009, 54, S32-S42.	2.8	342
12	The instructive extracellular matrix of the lung: basic composition and alterations in chronic lung disease. <i>European Respiratory Journal</i> , 2017, 50, 1601805.	6.7	341
13	An Official American Thoracic Society Workshop Report: Use of Animal Models for the Preclinical Assessment of Potential Therapies for Pulmonary Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 56, 667-679.	2.9	267
14	Hallmarks of the ageing lung. <i>European Respiratory Journal</i> , 2015, 45, 807-827.	6.7	264
15	Increased local expression of coagulation factor X contributes to the fibrotic response in human and murine lung injury. <i>Journal of Clinical Investigation</i> , 2009, 119, 2550-63.	8.2	251
16	Epithelial $\rightarrow$ mesenchymal transition in lung development and disease: does it exist and is it important?. <i>Thorax</i> , 2014, 69, 760-765.	5.6	245
17	Immune Mechanisms in Pulmonary Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 55, 309-322.	2.9	245
18	WNT Signaling in Lung Disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010, 42, 21-31.	2.9	243

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19	Genetic basis of pulmonary arterial hypertension. <i>Journal of the American College of Cardiology</i> , 2004, 43, S33-S39.	2.8	227
20	Nasal high flow clears anatomical dead space in upper airway models. <i>Journal of Applied Physiology</i> , 2015, 118, 1525-1532.	2.5	216
21	Hyperoxia modulates TGF- $\beta$ 2/BMP signaling in a mouse model of bronchopulmonary dysplasia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 292, L537-L549.	2.9	212
22	Time- and compartment- resolved proteome profiling of the extracellular niche in lung injury and repair. <i>Molecular Systems Biology</i> , 2015, 11, 819.	7.2	211
23	Induction of vascular endothelial growth factor by platelet-activating factor and platelet-derived growth factor is downregulated by corticosteroids.. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1997, 16, 398-406.	2.9	210
24	Infiltrated Neutrophils Acquire Novel Chemokine Receptor Expression and Chemokine Responsiveness in Chronic Inflammatory Lung Diseases. <i>Journal of Immunology</i> , 2008, 181, 8053-8067.	0.8	199
25	CXCR2 mediates NADPH oxidase- independent neutrophil extracellular trap formation in cystic fibrosis airway inflammation. <i>Nature Medicine</i> , 2010, 16, 1018-1023.	30.7	189
26	Transforming Growth Factor- $\beta$ 1 Induces Interleukin-6 Expression via Activating Protein-1 Consisting of JunD Homodimers in Primary Human Lung Fibroblasts. <i>Journal of Biological Chemistry</i> , 1999, 274, 12933-12938.	3.4	171
27	Nasal high flow reduces dead space. <i>Journal of Applied Physiology</i> , 2017, 122, 191-197.	2.5	168
28	Emphysema diagnosis using X-ray dark-field imaging at a laser-driven compact synchrotron light source. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17880-17885.	7.1	167
29	Tissue remodelling in chronic bronchial diseases: from the epithelial to mesenchymal phenotype. <i>European Respiratory Review</i> , 2014, 23, 118-130.	7.1	166
30	Protease-Mediated Release of Chemotherapeutics from Mesoporous Silica Nanoparticles to <i>in vivo</i> Human and Mouse Lung Tumors. <i>ACS Nano</i> , 2015, 9, 2377-2389.	14.6	165
31	Activation of the WNT/ $\beta$ -Catenin Pathway Attenuates Experimental Emphysema. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 183, 723-733.	5.6	162
32	Caveolin-1 Facilitates Mechanosensitive Protein Kinase B (Akt) Signaling In Vitro and In Vivo. <i>Circulation Research</i> , 2005, 96, 635-642.	4.5	152
33	Conditional Overexpression of Bioactive Transforming Growth Factor- $\beta$ 1 in Neonatal Mouse Lung. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2004, 31, 650-656.	2.9	149
34	Cigarette smoke alters primary human bronchial epithelial cell differentiation at the air-liquid interface. <i>Scientific Reports</i> , 2015, 5, 8163.	3.3	149
35	Blue Journal Conference. Aging and Susceptibility to Lung Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 191, 261-269.	5.6	149
36	Progressive pulmonary fibrosis is mediated by TGF- $\beta$ 1 isoform 1 but not TGF- $\beta$ 3. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 484-495.	2.8	148

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37	Ca <sup>2+</sup> channel blockers modulate metabolism of collagens within the extracellular matrix.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 5478-5482.	7.1	145
38	Analysis of mammalian gene function through broad-based phenotypic screens across a consortium of mouse clinics. Nature Genetics, 2015, 47, 969-978.	21.4	137
39	Validating Metal-Organic Framework Nanoparticles for Their Nanosafety in Diverse Biomedical Applications. Advanced Healthcare Materials, 2017, 6, 1600818.	7.6	137
40	Time for a change: is idiopathic pulmonary fibrosis still idiopathic and only fibrotic?. Lancet Respiratory Medicine, 2018, 6, 154-160.	10.7	137
41	Preclinical validation and imaging of Wnt-induced repair in human 3D lung tissue cultures. European Respiratory Journal, 2015, 46, 1150-1166.	6.7	132
42	Molecular mechanisms of TGF- $\beta$ 2 antagonism by interferon $\gamma$ 3 and cyclosporine A in lung fibroblasts. FASEB Journal, 2001, 15, 797-806.	0.5	131
43	TGF- $\beta$ 2 directs trafficking of the epithelial sodium channel ENaC which has implications for ion and fluid transport in acute lung injury. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E374-83.	7.1	129
44	Dysregulated Bone Morphogenetic Protein Signaling in Monocrotaline-Induced Pulmonary Arterial Hypertension. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 1072-1078.	2.4	127
45	A Novel Antifibrotic Mechanism of Nintedanib and Pirfenidone. Inhibition of Collagen Fibril Assembly. American Journal of Respiratory Cell and Molecular Biology, 2017, 57, 77-90.	2.9	125
46	Extracellular matrix deposition by primary human lung fibroblasts in response to TGF- $\beta$ 1 and TGF- $\beta$ 3. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1999, 276, L814-L824.	2.9	124
47	Betaglycan Inhibits TGF- $\beta$ 2 Signaling by Preventing Type I-Type II Receptor Complex Formation. Journal of Biological Chemistry, 2002, 277, 823-829.	3.4	124
48	Loss of RAGE in Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2008, 39, 337-345.	2.9	122
49	Noncanonical WNT-5A signaling impairs endogenous lung repair in COPD. Journal of Experimental Medicine, 2017, 214, 143-163.	8.5	122
50	Transgelin is a direct target of TGF- $\beta$ 2/Smad3-dependent epithelial cell migration in lung fibrosis. FASEB Journal, 2008, 22, 1778-1789.	0.5	121
51	Chronic Lung Disease in the Preterm Infant. Lessons Learned from Animal Models. American Journal of Respiratory Cell and Molecular Biology, 2014, 50, 233-245.	2.9	121
52	D-tryptophan from probiotic bacteria influences the gut microbiome and allergic airway disease. Journal of Allergy and Clinical Immunology, 2017, 139, 1525-1535.	2.9	119
53	Inflammatory and Oxidative Stress Responses of an Alveolar Epithelial Cell Line to Airborne Zinc Oxide Nanoparticles at the Air-Liquid Interface: A Comparison with Conventional, Submerged Cell-Culture Conditions. BioMed Research International, 2013, 2013, 1-12.	1.9	118
54	Analysis of methylarginine metabolism in the cardiovascular system identifies the lung as a major source of ADMA. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 292, L18-L24.	2.9	116

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55	Pulmonary Epithelium Is a Prominent Source of Proteinase-activated Receptor-1-Inducible CCL2 in Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 179, 414-425.	5.6	111
56	Nrf2 Induces Interleukin-6 (IL-6) Expression via an Antioxidant Response Element within the IL-6 Promoter. <i>Journal of Biological Chemistry</i> , 2011, 286, 4493-4499.	3.4	109
57	Pulmonary Emphysema Diagnosis with a Preclinical Small-Animal X-ray Dark-Field Scatter-Contrast Scanner. <i>Radiology</i> , 2013, 269, 427-433.	7.3	109
58	Cigarette smoke extract affects mitochondrial function in alveolar epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 307, L895-L907.	2.9	103
59	Transforming Growth Factor- $\beta$ Signaling across Ages: From Distorted Lung Development to Chronic Obstructive Pulmonary Disease. <i>Proceedings of the American Thoracic Society</i> , 2009, 6, 607-613.	3.5	100
60	Free DNA in Cystic Fibrosis Airway Fluids Correlates with Airflow Obstruction. <i>Mediators of Inflammation</i> , 2015, 2015, 1-11.	3.0	100
61	From arginine methylation to ADMA: A novel mechanism with therapeutic potential in chronic lung diseases. <i>BMC Pulmonary Medicine</i> , 2009, 9, 5.	2.0	98
62	Optimising experimental research in respiratory diseases: an ERS statement. <i>European Respiratory Journal</i> , 2018, 51, 1702133.	6.7	98
63	Deep Proteome Profiling Reveals Common Prevalence of MZB1-Positive Plasma B Cells in Human Lung and Skin Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 1298-1310.	5.6	97
64	Cigarette Smoke-Induced Disruption of Bronchial Epithelial Tight Junctions Is Prevented by Transforming Growth Factor- $\beta$ 2. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 50, 1040-1052.	2.9	95
65	Terguride ameliorates monocrotaline-induced pulmonary hypertension in rats. <i>European Respiratory Journal</i> , 2011, 37, 1104-1118.	6.7	93
66	Transforming Growth Factor- $\beta$ 2-Dependent Growth Inhibition in Primary Vascular Smooth Muscle Cells Is p38-Dependent. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 315, 1005-1012.	2.5	92
67	Efficient Bioactive Delivery of Aerosolized Drugs to Human Pulmonary Epithelial Cells Cultured in Air-Liquid Interface Conditions. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 51, 526-535.	2.9	92
68	JunD Regulates Transcription of the Tissue Inhibitor of Metalloproteinases-1 and Interleukin-6 Genes in Activated Hepatic Stellate Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 24414-24421.	3.4	91
69	Resequencing Study Confirms That Host Defense and Cell Senescence Gene Variants Contribute to the Risk of Idiopathic Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 199-208.	5.6	90
70	TGF- $\beta$ 2 signaling is dynamically regulated during the alveolarization of rodent and human lungs. <i>Developmental Dynamics</i> , 2008, 237, 259-269.	1.8	89
71	Mast cells mediate malignant pleural effusion formation. <i>Journal of Clinical Investigation</i> , 2015, 125, 2317-2334.	8.2	89
72	Leukocytes Induce Epithelial to Mesenchymal Transition after Unilateral Ureteral Obstruction in Neonatal Mice. <i>American Journal of Pathology</i> , 2007, 171, 861-871.	3.8	87

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73	Acute cigarette smoke exposure impairs proteasome function in the lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012, 303, L814-L823.	2.9	86
74	FoxO3 an important player in fibrogenesis and therapeutic target for idiopathic pulmonary fibrosis. <i>EMBO Molecular Medicine</i> , 2018, 10, 276-293.	6.9	85
75	Hypoxia-Induced Interleukin-6 and Interleukin-8 Production Is Mediated by Platelet-Activating Factor and Platelet-Derived Growth Factor in Primary Human Lung Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1998, 19, 653-661.	2.9	84
76	The Angiotensin II Receptor 2 Is Expressed and Mediates Angiotensin II Signaling in Lung Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2007, 37, 640-650.	2.9	82
77	Inhibition of LT $\beta$ R signalling activates WNT-induced regeneration in lung. <i>Nature</i> , 2020, 588, 151-156.	27.8	81
78	SNAI transcription factors mediate epithelial-mesenchymal transition in lung fibrosis. <i>Thorax</i> , 2009, 64, 1053-1061.	5.6	80
79	FK506-Binding Protein 10, a Potential Novel Drug Target for Idiopathic Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 455-467.	5.6	80
80	Fhl-1, a New Key Protein in Pulmonary Hypertension. <i>Circulation</i> , 2008, 118, 1183-1194.	1.6	79
81	Increased Protein Arginine Methylation in Chronic Hypoxia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2006, 35, 436-443.	2.9	78
82	Lung-selective gene responses to alveolar hypoxia: potential role for the bone morphogenetic antagonist gremlin in pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 295, L272-L284.	2.9	78
83	In Vivo Dark-Field Radiography for Early Diagnosis and Staging of Pulmonary Emphysema. <i>Investigative Radiology</i> , 2015, 50, 430-435.	6.2	77
84	Mutant KRAS promotes malignant pleural effusion formation. <i>Nature Communications</i> , 2017, 8, 15205.	12.8	77
85	Lysyl Oxidase Activity Is Dysregulated during Impaired Alveolarization of Mouse and Human Lungs. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 180, 1239-1252.	5.6	76
86	The composition of cigarette smoke determines inflammatory cell recruitment to the lung in COPD mouse models. <i>Clinical Science</i> , 2014, 126, 207-221.	4.3	76
87	Platelet-Derived Growth Factor Signaling in the Lung. From Lung Development and Disease to Clinical Studies. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 52, 263-284.	2.9	76
88	Functional role and species-specific contribution of arginases in pulmonary fibrosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 294, L34-L45.	2.9	74
89	Cli1 Mediates Lung Cancer Cell Proliferation and Sonic Hedgehog-Dependent Mesenchymal Cell Activation. <i>PLoS ONE</i> , 2013, 8, e63226.	2.5	73
90	Cigarette smoke-induced iBALT mediates macrophage activation in a B cell-dependent manner in COPD. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 307, L692-L706.	2.9	72

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91	Improved In vivo Assessment of Pulmonary Fibrosis in Mice using X-Ray Dark-Field Radiography. <i>Scientific Reports</i> , 2015, 5, 17492.	3.3	72
92	Alterations in the Transforming Growth Factor (TGF)- $\beta$ 2 Pathway as a Potential Factor in the Pathogenesis of Peyronie's Disease. <i>European Urology</i> , 2007, 51, 255-261.	1.9	71
93	The transforming growth factor- $\beta$ /Smad2,3 signalling axis is impaired in experimental pulmonary hypertension. <i>European Respiratory Journal</i> , 2007, 29, 1094-1104.	6.7	69
94	Increased expression of 5-hydroxytryptamine2A/B receptors in idiopathic pulmonary fibrosis: a rationale for therapeutic intervention. <i>Thorax</i> , 2010, 65, 949-955.	5.6	66
95	Regulation of Immunoproteasome Function in the Lung. <i>Scientific Reports</i> , 2015, 5, 10230.	3.3	64
96	X-ray Dark-field Radiography - In-Vivo Diagnosis of Lung Cancer in Mice. <i>Scientific Reports</i> , 2017, 7, 402.	3.3	63
97	Calcium Channel Blockers Activate the Interleukin-6 Gene Via the Transcription Factors NF-IL6 and NF- $\beta$ B in Primary Human Vascular Smooth Muscle Cells. <i>Circulation</i> , 1999, 99, 2276-2282.	1.6	62
98	Zyxin Is a Transforming Growth Factor- $\beta$ 2 (TGF- $\beta$ 2)/Smad3 Target Gene That Regulates Lung Cancer Cell Motility via Integrin $\alpha$ 5 $\beta$ 1. <i>Journal of Biological Chemistry</i> , 2012, 287, 31393-31405.	3.4	61
99	Dysregulation of the IL-13 Receptor System. A Novel Pathomechanism in Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 805-818.	5.6	59
100	The Role of Dimethylarginine Dimethylaminohydrolase in Idiopathic Pulmonary Fibrosis. <i>Science Translational Medicine</i> , 2011, 03, 87ra53.	12.4	59
101	High Throughput Determination of TGF $\beta$ 1/SMAD3 Targets in A549 Lung Epithelial Cells. <i>PLoS ONE</i> , 2011, 6, e20319.	2.5	57
102	Alveolar fluid clearance in acute lung injury: what have we learned from animal models and clinical studies?. <i>Intensive Care Medicine</i> , 2007, 33, 1229-1240.	8.2	56
103	microRNA cluster 106a-363 is involved in T helper 17 cell differentiation. <i>Immunology</i> , 2017, 152, 402-413.	4.4	56
104	Functional Activation of Heat Shock Factor and Hypoxia-Inducible Factor in the Kidney. <i>Journal of the American Society of Nephrology: JASN</i> , 2002, 13, 2094-2101.	6.1	55
105	Peripheral blood myeloid-derived suppressor cells reflect disease status in idiopathic pulmonary fibrosis. <i>European Respiratory Journal</i> , 2016, 48, 1171-1183.	6.7	55
106	The Intersection of Aging Biology and the Pathobiology of Lung Diseases: A Joint NHLBI/NIA Workshop. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, 1492-1500.	3.6	55
107	Quantitative proteomic profiling of extracellular matrix and site-specific collagen post-translational modifications in an in vitro model of lung fibrosis. <i>Matrix Biology Plus</i> , 2019, 1, 100005.	3.5	55
108	Regulation of TGF- $\beta$ 2 ligand and receptor expression in neonatal rat lungs exposed to chronic hypoxia. <i>Journal of Applied Physiology</i> , 2002, 93, 1123-1130.	2.5	54

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109	Enolase 1 and protein disulfide isomerase associated 3 regulate Wnt/ $\beta$ 2-catenin driven alveolar epithelial cell trans-differentiation. <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 877-90.	2.4	53
110	Integrative analysis of cell state changes in lung fibrosis with peripheral protein biomarkers. <i>EMBO Molecular Medicine</i> , 2021, 13, e12871.	6.9	53
111	Improved Diagnosis of Pulmonary Emphysema Using In Vivo Dark-Field Radiography. <i>Investigative Radiology</i> , 2014, 49, 653-658.	6.2	52
112	MMP and TIMP Expression Pattern in Pleural Effusions of Different Origins. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1997, 156, 1987-1992.	5.6	50
113	Increased hyaluronic acid content in idiopathic pulmonary arterial hypertension. <i>European Respiratory Journal</i> , 2008, 32, 1504-1512.	6.7	50
114	Aging and Lung Disease. Clinical Impact and Cellular and Molecular Pathways. <i>Annals of the American Thoracic Society</i> , 2015, 12, S222-S227.	3.2	50
115	Transforming Growth Factor $\beta$ 2/Bone Morphogenic Protein Signaling in Pulmonary Arterial Hypertension: Remodeling Revisited. <i>Trends in Cardiovascular Medicine</i> , 2007, 17, 263-269.	4.9	48
116	Inhibition of Proteasome Activity Induces Formation of Alternative Proteasome Complexes. <i>Journal of Biological Chemistry</i> , 2016, 291, 13147-13159.	3.4	47
117	Receptor for Activated C-Kinase 1, a Novel Interaction Partner of Type II Bone Morphogenetic Protein Receptor, Regulates Smooth Muscle Cell Proliferation in Pulmonary Arterial Hypertension. <i>Circulation</i> , 2007, 115, 2957-2968.	1.6	46
118	Non-canonical Wnt/PCP signalling regulates intestinal stem cell lineage priming towards enteroendocrine and Paneth cell fates. <i>Nature Cell Biology</i> , 2021, 23, 23-31.	10.3	46
119	Peritoneal dialysate fluid composition determines heat shock protein expression patterns in human mesothelial cells. <i>Kidney International</i> , 2001, 60, 1930-1937.	5.2	45
120	The Chitinase-Like Protein YKL-40 Modulates Cystic Fibrosis Lung Disease. <i>PLoS ONE</i> , 2011, 6, e24399.	2.5	44
121	Diagnosing and Mapping Pulmonary Emphysema on X-Ray Projection Images: Incremental Value of Grating-Based X-Ray Dark-Field Imaging. <i>PLoS ONE</i> , 2013, 8, e59526.	2.5	44
122	Differential expression of matrix metalloproteinases and their inhibitors in human and mouse lung development. <i>Thrombosis and Haemostasis</i> , 2005, 94, 175-183.	3.4	43
123	BDNF/TrkB Signaling Augments Smooth Muscle Cell Proliferation in Pulmonary Hypertension. <i>American Journal of Pathology</i> , 2012, 181, 2018-2029.	3.8	43
124	Pharmacokinetic and pharmacometabolomic study of pirfenidone in normal mouse tissues using high mass resolution MALDI-FTICR-mass spectrometry imaging. <i>Histochemistry and Cell Biology</i> , 2016, 145, 201-211.	1.7	43
125	Overexpression of HSP-72 confers cytoprotection in experimental peritoneal dialysis. <i>Kidney International</i> , 2004, 66, 2300-2307.	5.2	42
126	Impairment of Immunoproteasome Function by Cigarette Smoke and in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 1230-1241.	5.6	42



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127	The arginine methyltransferase PRMT7 promotes extravasation of monocytes resulting in tissue injury in COPD. <i>Nature Communications</i> , 2022, 13, 1303.	12.8	42
128	A 340 kDa hyaluronic acid secreted by human vascular smooth muscle cells regulates their proliferation and migration. <i>Glycobiology</i> , 1998, 8, 821-830.	2.5	41
129	Epigenetic mechanisms in COPD: implications for pathogenesis and drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2014, 9, 609-628.	5.0	41
130	Endless healing: TGF- $\beta$ 2, SMADs, and fibrosis. <i>FEBS Letters</i> , 2001, 506, 11-14.	2.8	40
131	Innovations in phenotyping of mouse models in the German Mouse Clinic. <i>Mammalian Genome</i> , 2012, 23, 611-622.	2.2	40
132	Inflamming increases susceptibility to cigarette smoke-induced COPD. <i>Oncotarget</i> , 2016, 7, 30068-30083.	1.8	40
133	Facilitated Diagnosis of Pneumothoraces in Newborn Mice Using X-ray Dark-Field Radiography. <i>Investigative Radiology</i> , 2016, 51, 597-601.	6.2	40
134	Metabolomics screening identifies reduced L-carnitine to be associated with progressive emphysema. <i>Clinical Science</i> , 2016, 130, 273-287.	4.3	39
135	Cholesterol metabolism promotes $\beta$ -cell positioning during immune pathogenesis of chronic obstructive pulmonary disease. <i>EMBO Molecular Medicine</i> , 2018, 10, .	6.9	39
136	Regulation of 26S Proteasome Activity in Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 1089-1101.	5.6	38
137	Visualization of neonatal lung injury associated with mechanical ventilation using x-ray dark-field radiography. <i>Scientific Reports</i> , 2016, 6, 24269.	3.3	38
138	Overproduction of growth differentiation factor 15 promotes human rhinovirus infection and virus-induced inflammation in the lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 314, L514-L527.	2.9	38
139	Temporal and spatial regulation of bone morphogenetic protein signaling in late lung development. <i>Developmental Dynamics</i> , 2007, 236, 2825-2835.	1.8	37
140	Inflammatory responses to pulmonary application of PEI-based siRNA nanocarriers in mice. <i>Biomaterials</i> , 2011, 32, 8694-8701.	11.4	37
141	High Mobility Group N Proteins Modulate the Fidelity of the Cellular Transcriptional Profile in a Tissue- and Variant-specific Manner. <i>Journal of Biological Chemistry</i> , 2013, 288, 16690-16703.	3.4	37
142	Efficient internalization and intracellular translocation of inhaled gold nanoparticles in rat alveolar macrophages. <i>Nanomedicine</i> , 2012, 7, 855-865.	3.3	35
143	Mouse Nuclear Myosin I Knock-Out Shows Interchangeability and Redundancy of Myosin Isoforms in the Cell Nucleus. <i>PLoS ONE</i> , 2013, 8, e61406.	2.5	35
144	Quantitative assessment of arginine methylation in free versus protein-incorporated amino acids in vitro and in vivo using protein hydrolysis and high-performance liquid chromatography. <i>BioTechniques</i> , 2006, 40, 305-310.	1.8	34

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145	Cardiovascular and inflammatory effects of intratracheally instilled ambient dust from Augsburg, Germany, in spontaneously hypertensive rats (SHRs). <i>Particle and Fibre Toxicology</i> , 2010, 7, 27.	6.2	34
146	Of flies, mice and men: a systematic approach to understanding the early life origins of chronic lung disease. <i>Thorax</i> , 2013, 68, 380-384.	5.6	34
147	Identification of a Novel IL-6 Isoform Binding to the Endogenous IL-6 Receptor. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2002, 27, 48-56.	2.9	33
148	Plasminogen activator inhibitor type 1 inhibits smooth muscle cell proliferation in pulmonary arterial hypertension. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 1872-1882.	2.8	33
149	Two sides of the same coin? A review of the similarities and differences between idiopathic pulmonary fibrosis and rheumatoid arthritis-associated interstitial lung disease. <i>European Respiratory Journal</i> , 2021, 57, 2002533.	6.7	33
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