

# Norbert Weissmann

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

189  
papers

11,358  
citations

54  
h-index

101  
g-index

205  
ext. papers

13,156  
ext. citations

8.1  
avg, IF

5.9  
L-index

#	Paper	IF	Citations
189	Reactive Oxygen Species Differentially Modulate the Metabolic and Transcriptomic Response of Endothelial Cells.. <i>Antioxidants</i> , <b>2022</b> , 11,	7.1	2
188	Experimental Setup for Investigation of Acute Mitochondrial Oxygen Sensing in Primary Cells. <i>Methods in Molecular Biology</i> , <b>2022</b> , 301-311	1.4	
187	Altered fibrin clot structure and dysregulated fibrinolysis contribute to thrombosis risk in severe COVID-19. <i>Blood Advances</i> , <b>2021</b> ,	7.8	4
186	Alternative oxidase encoded by sequence-optimized and chemically-modified RNA transfected into mammalian cells is catalytically active. <i>Gene Therapy</i> , <b>2021</b> ,	4	4
185	Chronic Obstructive Pulmonary Disease and the Cardiovascular System: Vascular Repair and Regeneration as a Therapeutic Target. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 649512	5.4	7
184	The effect of long-term doxycycline treatment in a mouse model of cigarette smoke-induced emphysema and pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2021</b> , 320, L903-L915	5.8	1
183	Sex-specific differences in plasma levels of FXII, HK, and FXIIa-C1-esterase inhibitor complexes in community-acquired pneumonia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2021</b> , 321, L764-L774	5.8	
182	Amelioration of elastase-induced lung emphysema and reversal of pulmonary hypertension by pharmacological iNOS inhibition in mice. <i>British Journal of Pharmacology</i> , <b>2021</b> , 178, 152-171	8.6	2
181	Pulmonary hypertension in chronic obstructive pulmonary disease. <i>British Journal of Pharmacology</i> , <b>2021</b> , 178, 132-151	8.6	19
180	Targeting Jak-Stat Signaling in Experimental Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2021</b> , 64, 100-114	5.7	10
179	Pulmonary Hypertension in Acute and Chronic High Altitude Maladaptation Disorders. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	7
178	Retinal tissue develops an inflammatory reaction to tobacco smoke and electronic cigarette vapor in mice. <i>Journal of Molecular Medicine</i> , <b>2021</b> , 99, 1459-1469	5.5	1
177	Novel Therapeutic Targets for the Treatment of Right Ventricular Remodeling: Insights from the Pulmonary Artery Banding Model. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	1
176	A Microfluidic System for Simultaneous Raman Spectroscopy, Patch-Clamp Electrophysiology, and Live-Cell Imaging to Study Key Cellular Events of Single Living Cells in Response to Acute Hypoxia.. <i>Small Methods</i> , <b>2021</b> , 5, e2100470	12.8	1
175	Impairment of hypoxic pulmonary vasoconstriction in acute respiratory distress syndrome. <i>European Respiratory Review</i> , <b>2021</b> , 30,	9.8	6
174	Epigenetic Regulation by in Cardiopulmonary Progenitor Cells Is Required to Prevent Pulmonary Hypertension and Chronic Obstructive Pulmonary Disease. <i>Circulation</i> , <b>2021</b> , 144, 1042-1058	16.7	3
173	Lack of Contribution of p66shc to Pressure Overload-Induced Right Heart Hypertrophy. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	2

172	Genetic Deletion of p66shc and/or Cyclophilin D Results in Decreased Pulmonary Vascular Tone. <i>Cardiovascular Research</i> , <b>2020</b> ,	9.9	2
171	NADPH oxidase subunit NOXO1 is a target for emphysema treatment in COPD. <i>Nature Metabolism</i> , <b>2020</b> , 2, 532-546	14.6	4
170	Cytochrome P450 epoxygenase-derived 5,6-epoxyeicosatrienoic acid relaxes pulmonary arteries in normoxia but promotes sustained pulmonary vasoconstriction in hypoxia. <i>Acta Physiologica</i> , <b>2020</b> , 230, e13521	5.6	4
169	Lung developmental arrest caused by PDGF-A deletion: consequences for the adult mouse lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2020</b> , 318, L831-L843	5.8	2
168	Lung epithelium damage in COPD - An unstoppable pathological event?. <i>Cellular Signalling</i> , <b>2020</b> , 68, 109540	4.9	9
167	FHL-1 is not involved in pressure overload-induced maladaptive right ventricular remodeling and dysfunction. <i>Basic Research in Cardiology</i> , <b>2020</b> , 115, 17	11.8	14
166	Flow Cytometry-Based Quantification of Neutrophil Extracellular Traps Shows an Association with Hypercoagulation in Septic Shock and Hypocoagulation in Postsurgical Systemic Inflammation-A Proof-of-Concept Study. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	6
165	Acute O sensing through HIF2 $\beta$ -dependent expression of atypical cytochrome oxidase subunits in arterial chemoreceptors. <i>Science Signaling</i> , <b>2020</b> , 13,	8.8	30
164	TRPV4 channels are essential for alveolar epithelial barrier function as protection from lung edema. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	15
163	Hypoxia-inducible factor signaling in pulmonary hypertension. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 5638-5651	15.9	28
162	Shear force sensing of epithelial Na channel (ENaC) relies on -glycosylated asparagines in the palm and knuckle domains of ENaC. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 717-726	11.5	34
161	IRAG1 Deficient Mice Develop PKG1 $\beta$ -Dependent Pulmonary Hypertension. <i>Cells</i> , <b>2020</b> , 9,	7.9	2
160	Deletion of NoxO1 limits atherosclerosis development in female mice. <i>Redox Biology</i> , <b>2020</b> , 37, 101713	11.3	3
159	Genetic Deficiency and Pharmacological Stabilization of Mast Cells Ameliorate Pressure Overload-Induced Maladaptive Right Ventricular Remodeling in Mice. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	2
158	Bypassing mitochondrial complex III using alternative oxidase inhibits acute pulmonary oxygen sensing. <i>Science Advances</i> , <b>2020</b> , 6, eaba0694	14.3	18
157	Update in Pulmonary Vascular Diseases and Right Ventricular Dysfunction 2019. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> , 202, 22-28	10.2	3
156	Pulmonary Vascular Pressure Response to Acute Cold Exposure in Kyrgyz Highlanders. <i>High Altitude Medicine and Biology</i> , <b>2019</b> , 20, 375-382	1.9	2
155	Resolvin E1 Improves Mitochondrial Function in Human Alveolar Epithelial Cells during Severe Inflammation. <i>Lipids</i> , <b>2019</b> , 54, 53-65	1.6	9

154	Targeting cyclin-dependent kinases for the treatment of pulmonary arterial hypertension. <i>Nature Communications</i> , <b>2019</b> , 10, 2204	17.4	39
153	A RASSF1A-HIF1 $\alpha$ loop drives Warburg effect in cancer and pulmonary hypertension. <i>Nature Communications</i> , <b>2019</b> , 10, 2130	17.4	34
152	Circulating Apoptotic Signals During Acute and Chronic Exposure to High Altitude in Kyrgyz Population. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 54	4.6	3
151	Riociguat for treatment of pulmonary hypertension in COPD: a translational study. <i>European Respiratory Journal</i> , <b>2019</b> , 53,	13.6	15
150	Reply to Bogaard : Emphysema Is-at the Most-Only a Mild Phenotype in the Sugen/Hypoxia Rat Model of Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2019</b> , 200, 1450-1452	10.2	4
149	Letter by Httemann et al Regarding Article, "Ndufs2, a Core Subunit of Mitochondrial Complex I, Is Essential for Acute Oxygen-Sensing and Hypoxic Pulmonary Vasoconstriction". <i>Circulation Research</i> , <b>2019</b> , 125, e33-e34	15.7	
148	Evidence for the Fucoidan/P-Selectin Axis as a Therapeutic Target in Hypoxia-induced Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2019</b> , 199, 1407-1420	10.2	25
147	Alternative Oxidase Attenuates Cigarette Smoke-induced Lung Dysfunction and Tissue Damage. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2019</b> , 60, 515-522	5.7	21
146	Pulmonary hypertension in chronic lung disease and hypoxia. <i>European Respiratory Journal</i> , <b>2019</b> , 53,	13.6	231
145	Impact of the mitochondria-targeted antioxidant MitoQ on hypoxia-induced pulmonary hypertension. <i>European Respiratory Journal</i> , <b>2018</b> ,	13.6	30
144	ASK1 Inhibition Halts Disease Progression in Preclinical Models of Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2018</b> , 197, 373-385	10.2	57
143	Inflammatory Mediators Drive Adverse Right Ventricular Remodeling and Dysfunction and Serve as Potential Biomarkers. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 609	4.6	26
142	Chronic Obstructive Pulmonary Disease and Pulmonary Vascular Disease. A Comorbidity?. <i>Annals of the American Thoracic Society</i> , <b>2018</b> , 15, S278-S281	4.7	6
141	Pathobiology, pathology and genetics of pulmonary hypertension: Update from the Cologne Consensus Conference 2018. <i>International Journal of Cardiology</i> , <b>2018</b> , 272S, 4-10	3.2	16
140	Development of a Gas-Tight Microfluidic System for Raman Sensing of Single Pulmonary Arterial Smooth Muscle Cells Under Normoxic/Hypoxic Conditions. <i>Sensors</i> , <b>2018</b> , 18,	3.8	2
139	Hypoxic pulmonary vasoconstriction in isolated mouse pulmonary arterial vessels. <i>Experimental Physiology</i> , <b>2018</b> , 103, 1185-1191	2.4	7
138	The Giessen Pulmonary Hypertension Registry: Survival in pulmonary hypertension subgroups. <i>Journal of Heart and Lung Transplantation</i> , <b>2017</b> , 36, 957-967	5.8	138
137	Amplified canonical transforming growth factor- $\beta$ signalling heat shock protein 90 in pulmonary fibrosis. <i>European Respiratory Journal</i> , <b>2017</b> , 49,	13.6	43

136	Exercise Affects T-Cell Function by Modifying Intracellular Calcium Homeostasis. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 29-39	1.2	5
135	Mitochondrial Complex IV Subunit 4 Isoform 2 Is Essential for Acute Pulmonary Oxygen Sensing. <i>Circulation Research</i> , <b>2017</b> , 121, 424-438	15.7	58
134	Long Noncoding RNA MANTIS Facilitates Endothelial Angiogenic Function. <i>Circulation</i> , <b>2017</b> , 136, 65-79	16.7	145
133	Oxidative injury of the pulmonary circulation in the perinatal period: Short- and long-term consequences for the human cardiopulmonary system. <i>Pulmonary Circulation</i> , <b>2017</b> , 7, 55-66	2.7	17
132	Lung Ischaemia-Reperfusion Injury: The Role of Reactive Oxygen Species. <i>Advances in Experimental Medicine and Biology</i> , <b>2017</b> , 967, 195-225	3.6	13
131	Pressure overload leads to an increased accumulation and activity of mast cells in the right ventricle. <i>Physiological Reports</i> , <b>2017</b> , 5, e13146	2.6	30
130	Organizers and activators: Cytosolic Nox proteins impacting on vascular function. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 109, 22-32	7.8	41
129	Recent advances in oxygen sensing and signal transduction in hypoxic pulmonary vasoconstriction. <i>Journal of Applied Physiology</i> , <b>2017</b> , 123, 1647-1656	3.7	8
128	p38 MAPK Inhibition Improves Heart Function in Pressure-Loaded Right Ventricular Hypertrophy. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2017</b> , 57, 603-614	5.7	48
127	Ltbp4 regulates Pdgfr $\alpha$ expression via TGF $\beta$ dependent modulation of Nrf2 transcription factor function. <i>Matrix Biology</i> , <b>2017</b> , 59, 109-120	11.4	8
126	The Role of Transient Receptor Potential Channel 6 Channels in the Pulmonary Vasculature. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 707	8.4	29
125	Unchanged NADPH Oxidase Activity in Nox1-Nox2-Nox4 Triple Knockout Mice: What Do NADPH-Stimulated Chemiluminescence Assays Really Detect?. <i>Antioxidants and Redox Signaling</i> , <b>2016</b> , 24, 392-9	8.4	39
124	The Cytosolic NADPH Oxidase Subunit NoxO1 Promotes an Endothelial Stalk Cell Phenotype. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2016</b> , 36, 1558-65	9.4	16
123	Soluble guanylate cyclase stimulator riociguat and phosphodiesterase 5 inhibitor sildenafil ameliorate pulmonary hypertension due to left heart disease in mice. <i>International Journal of Cardiology</i> , <b>2016</b> , 216, 85-91	3.2	20
122	Molecular mechanisms of hypoxia-inducible factor-induced pulmonary arterial smooth muscle cell alterations in pulmonary hypertension. <i>Journal of Physiology</i> , <b>2016</b> , 594, 1167-77	3.9	37
121	Effects of carbon monoxide-releasing molecules on pulmonary vasoreactivity in isolated perfused lungs. <i>Journal of Applied Physiology</i> , <b>2016</b> , 120, 271-81	3.7	7
120	Nestin-expressing vascular wall cells drive development of pulmonary hypertension. <i>European Respiratory Journal</i> , <b>2016</b> , 47, 876-88	13.6	24
119	NADPH oxidases-do they play a role in TRPC regulation under hypoxia?. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2016</b> , 468, 23-41	4.6	17

118	Oxygen sensing and signal transduction in hypoxic pulmonary vasoconstriction. <i>European Respiratory Journal</i> , <b>2016</b> , 47, 288-303	13.6	84
117	Cigarette smoke causes acute airway disease and exacerbates chronic obstructive lung disease in neonatal mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2016</b> , 311, L602-10	5.8	19
116	CRISPR/Cas9-mediated knockout of p22phox leads to loss of Nox1 and Nox4, but not Nox5 activity. <i>Redox Biology</i> , <b>2016</b> , 9, 287-295	11.3	23
115	Notch1 signalling regulates endothelial proliferation and apoptosis in pulmonary arterial hypertension. <i>European Respiratory Journal</i> , <b>2016</b> , 48, 1137-1149	13.6	57
114	Hypoxia-dependent reactive oxygen species signaling in the pulmonary circulation: focus on ion channels. <i>Antioxidants and Redox Signaling</i> , <b>2015</b> , 22, 537-52	8.4	41
113	Pressure Overload Creates Right Ventricular Diastolic Dysfunction in a Mouse Model: Assessment by Echocardiography. <i>Journal of the American Society of Echocardiography</i> , <b>2015</b> , 28, 828-43	5.8	28
112	Sestrin 2 protein regulates platelet-derived growth factor receptor [Pdgfr] expression by modulating proteasomal and Nrf2 transcription factor functions. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 9738-52	5.4	14
111	Increased S100A4 expression in the vasculature of human COPD lungs and murine model of smoke-induced emphysema. <i>Respiratory Research</i> , <b>2015</b> , 16, 127	7.3	23
110	Pathophysiology and treatment of high-altitude pulmonary vascular disease. <i>Circulation</i> , <b>2015</b> , 131, 582-90	20.7	70
109	Cigarette Smoke-Induced Emphysema and Pulmonary Hypertension Can Be Prevented by Phosphodiesterase 4 and 5 Inhibition in Mice. <i>PLoS ONE</i> , <b>2015</b> , 10, e0129327	3.7	24
108	Impact of S-adenosylmethionine decarboxylase 1 on pulmonary vascular remodeling. <i>Circulation</i> , <b>2014</b> , 129, 1510-23	16.7	17
107	Pro-proliferative and inflammatory signaling converge on FoxO1 transcription factor in pulmonary hypertension. <i>Nature Medicine</i> , <b>2014</b> , 20, 1289-300	50.5	183
106	Nox family NADPH oxidases: Molecular mechanisms of activation. <i>Free Radical Biology and Medicine</i> , <b>2014</b> , 76, 208-26	7.8	417
105	Endothelin-1 driven proliferation of pulmonary arterial smooth muscle cells is c-fos dependent. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2014</b> , 54, 137-48	5.6	34
104	Redox-mediated signal transduction by cardiovascular Nox NADPH oxidases. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2014</b> , 73, 70-9	5.8	70
103	Novel and emerging therapies for pulmonary hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2014</b> , 189, 394-400	10.2	62
102	Hypoxia- or PDGF-BB-dependent paxillin tyrosine phosphorylation in pulmonary hypertension is reversed by HIF-1 $\alpha$ depletion or imatinib treatment. <i>Thrombosis and Haemostasis</i> , <b>2014</b> , 112, 1288-303	7	15
101	Histological characterization of mast cell chymase in patients with pulmonary hypertension and chronic obstructive pulmonary disease. <i>Pulmonary Circulation</i> , <b>2014</b> , 4, 128-36	2.7	26

100	Stimulation of soluble guanylate cyclase prevents cigarette smoke-induced pulmonary hypertension and emphysema. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2014</b> , 189, 1359-73	10.2	59
99	Lysyl oxidases play a causal role in vascular remodeling in clinical and experimental pulmonary arterial hypertension. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 1446-58	9.4	74
98	Structural and functional prevention of hypoxia-induced pulmonary hypertension by individualized exercise training in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2014</b> , 306, L986-95	5.8	25
97	Arterial hypertension in a murine model of sleep apnea: role of NADPH oxidase 2. <i>Journal of Hypertension</i> , <b>2014</b> , 32, 300-5	1.9	41
96	Nox family NADPH oxidases in mechano-transduction: mechanisms and consequences. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 20, 887-98	8.4	51
95	Mitochondrial hyperpolarization in pulmonary vascular remodeling. Mitochondrial uncoupling protein deficiency as disease model. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2013</b> , 49, 358-67	5.7	50
94	Effects of multikinase inhibitors on pressure overload-induced right ventricular remodeling. <i>International Journal of Cardiology</i> , <b>2013</b> , 167, 2630-7	3.2	29
93	Function of NADPH oxidase 1 in pulmonary arterial smooth muscle cells after monocrotaline-induced pulmonary vascular remodeling. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 19, 2213-31	8.4	57
92	Cofilin, a hypoxia-regulated protein in murine lungs identified by 2DE: role of the cytoskeletal protein cofilin in pulmonary hypertension. <i>Proteomics</i> , <b>2013</b> , 13, 75-88	4.8	14
91	Effects of dimethylarginine dimethylaminohydrolase-1 overexpression on the response of the pulmonary vasculature to hypoxia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2013</b> , 49, 491-500	5.7	15
90	Classical transient receptor potential channel 1 in hypoxia-induced pulmonary hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2013</b> , 188, 1451-9	10.2	58
89	Oxygen-dependent expression of cytochrome c oxidase subunit 4-2 gene expression is mediated by transcription factors RBPJ, CXXC5 and CHCHD2. <i>Nucleic Acids Research</i> , <b>2013</b> , 41, 2255-66	20.1	110
88	Functional and muscular adaptations in an experimental model for isometric strength training in mice. <i>PLoS ONE</i> , <b>2013</b> , 8, e79069	3.7	18
87	Effects of hypercapnia and NO synthase inhibition in sustained hypoxic pulmonary vasoconstriction. <i>Respiratory Research</i> , <b>2012</b> , 13, 7	7.3	17
86	Cytochrome c oxidase subunit 4 isoform 2-knockout mice show reduced enzyme activity, airway hyperactivity, and lung pathology. <i>FASEB Journal</i> , <b>2012</b> , 26, 3916-30	0.9	53
85	Immune and inflammatory cell involvement in the pathology of idiopathic pulmonary arterial hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2012</b> , 186, 897-908	10.2	219
84	BDNF/TrkB signaling augments smooth muscle cell proliferation in pulmonary hypertension. <i>American Journal of Pathology</i> , <b>2012</b> , 181, 2018-29	5.8	35
83	Activation of TRPC6 channels is essential for lung ischaemia-reperfusion induced oedema in mice. <i>Nature Communications</i> , <b>2012</b> , 3, 649	17.4	137

82	Hypoxia-Dependent TRP Channel Function in Pulmonary Arterial Smooth Muscle Cells. <i>Methods in Pharmacology and Toxicology</i> , <b>2012</b> , 283-300	1.1	
81	Paxillin regulates pulmonary arterial smooth muscle cell function in pulmonary hypertension. <i>American Journal of Pathology</i> , <b>2012</b> , 181, 1621-33	5.8	23
80	Nox4 is a protective reactive oxygen species generating vascular NADPH oxidase. <i>Circulation Research</i> , <b>2012</b> , 110, 1217-25	15.7	452
79	Hypoxia induces Kv channel current inhibition by increased NADPH oxidase-derived reactive oxygen species. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 52, 1033-42	7.8	60
78	Inhibition of microRNA-17 improves lung and heart function in experimental pulmonary hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2012</b> , 185, 409-19	10.2	171
77	PAR-2 inhibition reverses experimental pulmonary hypertension. <i>Circulation Research</i> , <b>2012</b> , 110, 1179-91	5.7	52
76	Mitochondrial complex II is essential for hypoxia-induced pulmonary vasoconstriction of intra- but not of pre-acinar arteries. <i>Cardiovascular Research</i> , <b>2012</b> , 93, 702-10	9.9	16
75	Riociguat for the treatment of pulmonary hypertension. <i>Expert Opinion on Investigational Drugs</i> , <b>2011</b> , 20, 567-76	5.9	69
74	Inducible NOS inhibition reverses tobacco-smoke-induced emphysema and pulmonary hypertension in mice. <i>Cell</i> , <b>2011</b> , 147, 293-305	56.2	226
73	Diacylglycerol regulates acute hypoxic pulmonary vasoconstriction via TRPC6. <i>Respiratory Research</i> , <b>2011</b> , 12, 20	7.3	44
72	Hypoxic pulmonary hypertension in mice with constitutively active platelet-derived growth factor receptor- $\beta$ . <i>Pulmonary Circulation</i> , <b>2011</b> , 1, 259-68	2.7	38
71	Inactivation of sestrin 2 induces TGF-beta signaling and partially rescues pulmonary emphysema in a mouse model of COPD. <i>DMM Disease Models and Mechanisms</i> , <b>2010</b> , 3, 246-53	4.1	40
70	Hypoxia-induced pulmonary hypertension: comparison of soluble epoxide hydrolase deletion vs. inhibition. <i>Cardiovascular Research</i> , <b>2010</b> , 85, 232-40	9.9	64
69	Post-stroke inhibition of induced NADPH oxidase type 4 prevents oxidative stress and neurodegeneration. <i>PLoS Biology</i> , <b>2010</b> , 8, e1000479	9.7	324
68	Dysregulation of the IL-13 receptor system: a novel pathomechanism in pulmonary arterial hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2010</b> , 182, 805-18	10.2	54
67	Animal models of pulmonary hypertension: role in translational research. <i>Drug Discovery Today: Disease Models</i> , <b>2010</b> , 7, 89-97	1.3	8
66	Nebulization of the acidified sodium nitrite formulation attenuates acute hypoxic pulmonary vasoconstriction. <i>Respiratory Research</i> , <b>2010</b> , 11, 81	7.3	11
65	Identification of right heart-enriched genes in a murine model of chronic outflow tract obstruction. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2010</b> , 49, 598-605	5.8	47



64	Mitochondrial complex II participates in normoxic and hypoxic regulation of $\beta$ keto acids in the murine heart. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2010</b> , 49, 950-61	5.8	6
63	Redox signaling and reactive oxygen species in hypoxic pulmonary vasoconstriction. <i>Respiratory Physiology and Neurobiology</i> , <b>2010</b> , 174, 282-91	2.8	29
62	NADPH oxidases in cardiovascular disease. <i>Free Radical Biology and Medicine</i> , <b>2010</b> , 49, 687-706	7.8	207
61	Effects of phosphodiesterase 4 inhibition on bleomycin-induced pulmonary fibrosis in mice. <i>BMC Pulmonary Medicine</i> , <b>2010</b> , 10, 26	3.5	29
60	Classical transient receptor potential channel 6 (TRPC6) is essential for ischemia-reperfusion injury of the lung. <i>FASEB Journal</i> , <b>2010</b> , 24, 591.2	0.9	
59	Heme oxygenase-2 and large-conductance $Ca^{2+}$ -activated $K^{+}$ channels: lung vascular effects of hypoxia. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2009</b> , 180, 353-64	10.2	34
58	Endothelin-1 inhibits background two-pore domain channel TASK-1 in primary human pulmonary artery smooth muscle cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2009</b> , 41, 476-83	5.7	51
57	Effects of hypercapnia with and without acidosis on hypoxic pulmonary vasoconstriction. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2009</b> , 297, L977-83	5.8	57
56	The soluble guanylate cyclase activator HMR1766 reverses hypoxia-induced experimental pulmonary hypertension in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2009</b> , 297, L658-65	5.8	32
55	Intermedin/adrenomedullin-2 is a hypoxia-induced endothelial peptide that stabilizes pulmonary microvascular permeability. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2009</b> , 297, L837-45	5.8	51
54	Novel soluble guanylyl cyclase stimulator BAY 41-2272 attenuates ischemia-reperfusion-induced lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2009</b> , 296, L462-9	5.8	17
53	Cellular and molecular basis of pulmonary arterial hypertension. <i>Journal of the American College of Cardiology</i> , <b>2009</b> , 54, S20-S31	15.1	609
52	NOX4 regulates ROS levels under normoxic and hypoxic conditions, triggers proliferation, and inhibits apoptosis in pulmonary artery adventitial fibroblasts. <i>Antioxidants and Redox Signaling</i> , <b>2008</b> , 10, 1687-98	8.4	108
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