

Wolfgang M Kuebler

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.

263
papers

8,004
citations

49
h-index

79
g-index

304
ext. papers

9,898
ext. citations

6
avg, IF

6.22
L-index

#	Paper	IF	Citations
263	Update on the Features and Measurements of Experimental Acute Lung Injury in Animals: An Official American Thoracic Society Workshop Report.. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2022 , 66, e1-e14	5.7	5
262	Reply to Gille et al.. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2022 , 322, L176-L177	5.8	0
261	Pulsatility damping in the microcirculation: Basic pattern and modulating factors. <i>Microvascular Research</i> , 2022 , 139, 104259	3.7	
260	Repeated endo-tracheal tube disconnection generates pulmonary edema in a model of volume overload: an experimental study.. <i>Critical Care</i> , 2022 , 26, 47	10.8	0
259	membrane vesicles cause endothelial barrier failure and lung injury.. <i>European Respiratory Journal</i> , 2022 ,	13.6	
258	The role of cell-free hemoglobin and haptoglobin in acute kidney injury in critically ill adults with ARDS and therapy with VV ECMO.. <i>Critical Care</i> , 2022 , 26, 50	10.8	2
257	In Vitro Screening Identifies TRPV4 and PAR1 as Targets for Endothelial Barrier Stabilization in COVID-19.. <i>FASEB Journal</i> , 2022 , 36 Suppl 1,	0.9	1
256	Complement activation induces excessive T cell cytotoxicity in severe COVID-19.. <i>Cell</i> , 2021 ,	56.2	9
255	Coalescent angiogenesis-evidence for a novel concept of vascular network maturation.. <i>Angiogenesis</i> , 2021 , 25, 35	10.6	2
254	Spontaneous Degenerative Aortic Valve Disease in New Zealand Obese Mice. <i>Journal of the American Heart Association</i> , 2021 , 10, e023131	6	1
253	CFTR in the regulation of pulmonary vascular tone and remodeling. <i>European Respiratory Journal</i> , 2021 , 58,	13.6	
252	Altered fibrin clot structure and dysregulated fibrinolysis contribute to thrombosis risk in severe COVID-19. <i>Blood Advances</i> , 2021 ,	7.8	4
251	Pannexin 1-a novel regulator of acute hypoxic pulmonary vasoconstriction. <i>Cardiovascular Research</i> , 2021 ,	9.9	2
250	Connecting the dots: the role of connexins in the pulmonary vascular response to hypoxia. <i>European Respiratory Journal</i> , 2021 , 57,	13.6	
249	Intra-vital imaging of mesenchymal stromal cell kinetics in the pulmonary vasculature during infection. <i>Scientific Reports</i> , 2021 , 11, 5265	4.9	4
248	SARS-CoV-2 may hijack GPCR signaling pathways to dysregulate lung ion and fluid transport. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021 , 320, L430-L435	5.8	16
247	Progress and potential of mesenchymal stromal cell therapy in acute respiratory distress syndrome 2021 , 353-372		1

246	Sodium-coupled neutral amino acid transporter SNAT2 counteracts cardiogenic pulmonary edema by driving alveolar fluid clearance. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021 , 320, L486-L497	5.8	3
245	Bacterial Membrane Vesicles in Pneumonia: From Mediators of Virulence to Innovative Vaccine Candidates. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	8
244	Hypertrophy-Reduced Autophagy Causes Cardiac Dysfunction by Directly Impacting Cardiomyocyte Contractility. <i>Cells</i> , 2021 , 10,	7.9	4
243	Point-of-care lung ultrasound in COVID-19 patients: inter- and intra-observer agreement in a prospective observational study. <i>Scientific Reports</i> , 2021 , 11, 10678	4.9	3
242	In vitro screening identifies TRPV4 as target for endothelial barrier stabilization in COVID-19. <i>FASEB Journal</i> , 2021 , 35,	0.9	78
241	Right-ventricular dysfunction in HFpEF is linked to altered cardiomyocyte Ca homeostasis and myofilament sensitivity. <i>ESC Heart Failure</i> , 2021 , 8, 3130-3144	3.7	2
240	Significance of Mast Cell Formed Extracellular Traps in Microbial Defense. <i>Clinical Reviews in Allergy and Immunology</i> , 2021 , 1	12.3	4
239	Bilateral infiltrates in a health-care worker during the COVID-19 pandemic. <i>Lancet Infectious Diseases</i> , 2021 , 21, 742	25.5	1
238	SARS-CoV-2 May Hijack GPCR Signaling Pathways to Compromise Lung Ion and Fluid Transport. <i>FASEB Journal</i> , 2021 , 35,	0.9	1
237	Transbronchial mediastinal cryobiopsy in the diagnosis of mediastinal lesions: a randomised trial. <i>European Respiratory Journal</i> , 2021 , 58,	13.6	11
236	Heteromeric TRP Channels in Lung Inflammation. <i>Cells</i> , 2021 , 10,	7.9	3
235	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> , 2021 , 321, L764-L774	5.8	
234	Plasma mediators in patients with severe COVID-19 cause lung endothelial barrier failure. <i>European Respiratory Journal</i> , 2021 , 57,	13.6	17
233	Oestrogen-mediated upregulation of the Mas receptor contributes to sex differences in acute lung injury and lung vascular barrier regulation. <i>European Respiratory Journal</i> , 2021 , 57,	13.6	11
232	Protective function of DJ-1/PARK7 in lipopolysaccharide and ventilator-induced acute lung injury. <i>Redox Biology</i> , 2021 , 38, 101796	11.3	15
231	Platelet extracellular vesicles mediate transfusion-related acute lung injury by imbalancing the sphingolipid rheostat. <i>Blood</i> , 2021 , 137, 690-701	2.2	12
230	Reply to Eisenhut. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021 , 321, L287-L289	5.8	0
229	The oxygen dissociation curve of blood in COVID-19. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021 , 321, L349-L357	5.8	12

228	Single-cell transcriptome identifies upregulated subtype of alveolar macrophages in patients with critical COVID-19. <i>IScience</i> , 2021 , 24, 103030	6.1	1
227	Reply to Vogel et al. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021 , 321, L638-L639	5.8	1
226	Visualizing the spatiotemporal pattern of yolk sac membrane vascular network by enhanced local fractal analysis.. <i>Microcirculation</i> , 2021 , e12746	2.9	0
225	Don't judge too RASHly: the multifaceted role of the renin-angiotensin system and its therapeutic potential in COVID-19. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020 , 318, L1023-L1024	5.8	2
224	Ultra-High-Throughput Clinical Proteomics Reveals Classifiers of COVID-19 Infection. <i>Cell Systems</i> , 2020 , 11, 11-24.e4	10.6	219
223	Urgent reconsideration of lung edema as a preventable outcome in COVID-19: inhibition of TRPV4 represents a promising and feasible approach. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020 , 318, L1239-L1243	5.8	34
222	TRPV4-A Missing Link Between Mechanosensation and Immunity. <i>Frontiers in Immunology</i> , 2020 , 11, 4138.4		31
221	The hallmarks of severe pulmonary arterial hypertension: the cancer hypothesis-ten years later. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020 , 318, L1115-L1130	5.8	18
220	Speckle-tracking echocardiography combined with imaging mass spectrometry assesses region-dependent alterations. <i>Scientific Reports</i> , 2020 , 10, 3629	4.9	3
219	From bedside to bench: lung ultrasound for the assessment of pulmonary edema in animal models. <i>Cell and Tissue Research</i> , 2020 , 380, 379-392	4.2	6
218	On Top of the Alveolar Epithelium: Surfactant and the Glycocalyx. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	13
217	Ventilation and Perfusion at the Alveolar Level: Insights From Lung Intravital Microscopy. <i>Frontiers in Physiology</i> , 2020 , 11, 291	4.6	5
216	Extracellular vesicles as regulators of kidney function and disease. <i>Intensive Care Medicine Experimental</i> , 2020 , 8, 22	3.7	4
215	Stretch-induced activation of Hippo signaling in lung microvascular endothelial cells is a novel mechanism of overventilation-induced pulmonary fibrosis. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
214	COVID-19: Urgent Reconsideration of Lung Edema as a Preventable Outcome: Inhibition of TRPV4 As a Promising and Feasible Approach. <i>SSRN Electronic Journal</i> , 2020 , 3558887	1	2
213	Gap junctions regulate vessel diameter in chick chorioallantoic membrane vasculature by both tone-dependent and structural mechanisms. <i>Microcirculation</i> , 2020 , 27, e12590	2.9	4
212	Evaluation of PEEP and prone positioning in early COVID-19 ARDS. <i>EClinicalMedicine</i> , 2020 , 28, 100579	11.3	26
211	Differential Roles of the Calcium Ion Channel TRPV4 in Host Responses to Mycobacterium tuberculosis Early and Late in Infection. <i>IScience</i> , 2020 , 23, 101206	6.1	4

210	Left ventricular dysfunction in heart failure with preserved ejection fraction-molecular mechanisms and impact on right ventricular function. <i>Cardiovascular Diagnosis and Therapy</i> , 2020 , 10, 1541-1560	2.6	5
209	TWIST1 Drives Smooth Muscle Cell Proliferation in Pulmonary Hypertension via Loss of GATA-6 and BMPR2. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 1283-1296	10.2	6
208	Reduced deformability of stored red blood cells is associated with generation of extracellular vesicles. <i>Transfusion and Apheresis Science</i> , 2020 , 59, 102851	2.4	4
207	Perivascular Inflammation in Pulmonary Arterial Hypertension. <i>Cells</i> , 2020 , 9,	7.9	24
206	Heart Rate Reduction Improves Right Ventricular Function and Fibrosis in Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020 , 63, 843-855	5.7	3
205	Metabolic Glycoengineering Enables the Ultrastructural Visualization of Sialic Acids in the Glycocalyx of the Alveolar Epithelial Cell Line hAELVi. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 614357	5.8	4
204	Mediastinal emphysema after long-distance flight with ketoacidosis and underlying diabetes mellitus type 1. <i>Respirology Case Reports</i> , 2019 , 7, e00423	0.9	
203	Investigation into the diversity in the fractal dimensions of arterioles and venules in a microvascular network - A quantitative analysis. <i>Microvascular Research</i> , 2019 , 125, 103882	3.7	5
202	Accurate assessment of LV function using the first automated 2D-border detection algorithm for small animals - evaluation and application to models of LV dysfunction. <i>Cardiovascular Ultrasound</i> , 2019 , 17, 7	2.4	4
201	Extracellular vesicles in lung health, disease, and therapy. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019 , 316, L977-L989	5.8	23
200	Go West: translational physiology for noninvasive measurement of pulmonary gas exchange in patients with hypoxemic lung disease. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019 , 316, L701-L702	5.8	4
199	Therapeutic Targeting of High-Mobility Group Box-1 in Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 199, 1566-1569	10.2	15
198	Novel mechanisms regulating endothelial barrier function in the pulmonary microcirculation. <i>Journal of Physiology</i> , 2019 , 597, 997-1021	3.9	38
197	Alveolar dynamics during mechanical ventilation in the healthy and injured lung. <i>Intensive Care Medicine Experimental</i> , 2019 , 7, 34	3.7	17
196	Characterization of Myocardial Microstructure and Function in an Experimental Model of Isolated Subendocardial Damage. <i>Hypertension</i> , 2019 , 74, 295-304	8.5	12
195	Ca ²⁺ Signaling and Barrier Function of Lung Microvascular Endothelial Cells are Modulated by Mesenchymal Stromal Cell Microparticles. <i>FASEB Journal</i> , 2019 , 33, 845.6	0.9	
194	Sodium-coupled neutral amino acid transporter SNAT2 is critical for alveolar fluid transport and resolution of pulmonary edema. <i>FASEB Journal</i> , 2019 , 33, 846.3	0.9	
193	High-endothelial cell-derived S1P regulates dendritic cell localization and vascular integrity in the lymph node. <i>FASEB Journal</i> , 2019 , 33, 523.2	0.9	

192	Stretch-induced activation of Hippo signaling in lung microvascular endothelial cells: A novel mechanism of overventilation-induced pulmonary fibrosis. <i>FASEB Journal</i> , 2019 , 33, 845.10	0.9	
191	Extracellular Vesicle Sphingolipids from Stored Platelets Mediate Transfusion Related Acute Lung Injury. <i>FASEB Journal</i> , 2019 , 33, 845.2	0.9	
190	Hot topics in the mechanisms of pulmonary arterial hypertension disease: cancer-like pathobiology, the role of the adventitia, systemic involvement, and right ventricular failure. <i>Pulmonary Circulation</i> , 2019 , 9, 2045894019889775	2.7	15
189	Transfusion-related Acute Lung Injury in the Perioperative Patient. <i>Anesthesiology</i> , 2019 , 131, 693-715	4.3	19
188	Lung Purinoceptor Activation Triggers Ventilator-Induced Brain Injury. <i>Critical Care Medicine</i> , 2019 , 47, e911-e918	1.4	8
187	Cardiovascular sequelae of pneumonia. <i>Current Opinion in Pulmonary Medicine</i> , 2019 , 25, 257-262	3	10
186	Smooth Muscle Cells: A Novel Site of P-Selectin Expression with Pathophysiological and Therapeutic Relevance in Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 199, 1307-1309	10.2	6
185	Reply to Santini et al.: High Positive End-Expiratory Pressure: Only a Dam against Edema Formation? Probably Not (Again). <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 199, 544	10.2	
184	Connexin 40 regulates lung endothelial permeability in acute lung injury via the ROCK1-MYPT1-MLC20 pathway. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019 , 316, L35-L44	5.8	19
183	Inflammation and autoimmunity in pulmonary hypertension: is there a role for endothelial adhesion molecules? (2017 Grover Conference Series). <i>Pulmonary Circulation</i> , 2018 , 8, 2045893218757596	2.7	31
182	The Role of the Human Immune System in Chronic Hypoxic Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 198, 528-531	10.2	5
181	Lung Ultrasound and Microbubbles Enhance Aminoglycoside Efficacy and Delivery to the Lung in Escherichia coli-induced Pneumonia and Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 198, 404-408	10.2	13
180	Vascular-induced lung injury: another advocate for personalized ARDS management : Discussion on "Inspiratory preload obliteration may injure lungs via cyclical on-off vascular flow". <i>Intensive Care Medicine</i> , 2018 , 44, 540-541	14.5	0
179	Letter by Kuebler and Friedberg Regarding Article, "Pulmonary Artery Denervation by Determining Targeted Ablation Sites for Treatment of Pulmonary Arterial Hypertension". <i>Circulation: Cardiovascular Interventions</i> , 2018 , 11, e006148	6	1
178	Targeting Transfusion-Related Acute Lung Injury: The Journey From Basic Science to Novel Therapies. <i>Critical Care Medicine</i> , 2018 , 46, e452-e458	1.4	40
177	Inspiratory preload obliteration may injure lungs via cyclical "on-off" vascular flow. <i>Intensive Care Medicine</i> , 2018 , 44, 1521-1523	14.5	5
176	Sphingosine Kinase 1 Regulates Inflammation and Contributes to Acute Lung Injury in Pneumococcal Pneumonia via the Sphingosine-1-Phosphate Receptor 2. <i>Critical Care Medicine</i> , 2018 , 46, e258-e267	1.4	8
175	Experimental Right Ventricular Hypertension Induces Regional β -Integrin-Mediated Transduction of Hypertrophic and Profibrotic Right and Left Ventricular Signaling. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	15

174	Difficulties in modelling ARDS (2017 Grover Conference Series). <i>Pulmonary Circulation</i> , 2018 , 8, 20458940118766737		
173	Transient Receptor Potential Vanilloid 4 Channel Deficiency Aggravates Tubular Damage after Acute Renal Ischaemia Reperfusion. <i>Scientific Reports</i> , 2018 , 8, 4878	4.9	12
172	Improved resolution in extracellular vesicle populations using 405 instead of 488nm side scatter. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1454776	16.4	29
171	Loss of SMAD3 Promotes Vascular Remodeling in Pulmonary Arterial Hypertension via MRTF Disinhibition. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 197, 244-260	10.2	36
170	Impaired lung repair during neutropenia can be reverted by matrix metalloproteinase-9. <i>Thorax</i> , 2018 , 73, 321-330	7.3	33
169	A pro-con debate: current controversies in PAH pathogenesis at the American Thoracic Society International Conference in 2017. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018 , 315, L502-L516	5.8	9
168	Evaluation of a commercial multi-dimensional echocardiography technique for ventricular volumetry in small animals. <i>Cardiovascular Ultrasound</i> , 2018 , 16, 10	2.4	16
167	Pulse wave velocity in the microcirculation reflects both vascular compliance and resistance: Insights from computational approaches. <i>Microcirculation</i> , 2018 , 25, e12458	2.9	3
166	Abrupt Deflation after Sustained Inflation Causes Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 198, 1165-1176	10.2	28
165	Extracellular vesicles: biomarkers and regulators of vascular function during extracorporeal circulation. <i>Oncotarget</i> , 2018 , 9, 37229-37251	3.3	6
164	Ceramide Containing Microparticles from Aged Stored Platelets Recapitulate Aspects of Murine Transfusion Related Acute Lung Injury. <i>FASEB Journal</i> , 2018 , 32, 746.2	0.9	
163	Mesenchymal Stromal Cell Microparticles Enhance Lung Endothelial Barrier Through CD44 and the S1P/ceramide Rheostat. <i>FASEB Journal</i> , 2018 , 32, 917.4	0.9	
162	Chronic lung injury and impaired pulmonary function in a mouse model of acid ceramidase deficiency. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018 , 314, L406-L420	5.8	16
161	Coronary Microcirculation in Ischemic Heart Disease. <i>Current Pharmaceutical Design</i> , 2018 , 24, 2893-2899	3.3	9
160	Pathobiology, pathology and genetics of pulmonary hypertension: Update from the Cologne Consensus Conference 2018. <i>International Journal of Cardiology</i> , 2018 , 272S, 4-10	3.2	16
159	Optimising experimental research in respiratory diseases: an ERS statement. <i>European Respiratory Journal</i> , 2018 , 51,	13.6	53
158	T regulatory cells and dendritic cells protect against transfusion-related acute lung injury via IL-10. <i>Blood</i> , 2017 , 129, 2557-2569	2.2	76
157	The Flow-Dependent Transcription Factor KLF2 Protects Lung Vascular Barrier Function in Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 553-555	10.2	7

156	The mast cell-B cell axis in lung vascular remodeling and pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017 , 312, L710-L721	5.8	40
155	Modeling of pulsatile flow-dependent nitric oxide regulation in a realistic microvascular network. <i>Microvascular Research</i> , 2017 , 113, 40-49	3.7	4
154	Role of phosphatase and tensin homolog in hypoxic pulmonary vasoconstriction. <i>Cardiovascular Research</i> , 2017 , 113, 869-878	9.9	9
153	Spleen tyrosine kinase inhibition blocks airway constriction and protects from Th2-induced airway inflammation and remodeling. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2017 , 72, 1061-1072	9.3	9
152	Transient Receptor Potential Vanilloid 4 and Serum Glucocorticoid-regulated Kinase 1 Are Critical Mediators of Lung Injury in Overventilated Mice In Vivo. <i>Anesthesiology</i> , 2017 , 126, 300-311	4.3	33
151	Endothelial-specific deletion of autophagy-related 7 (ATG7) attenuates arterial thrombosis in mice. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017 , 154, 978-988.e1	1.5	12
150	Acid sphingomyelinase mediates murine acute lung injury following transfusion of aged platelets. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017 , 312, L625-L637	5.8	19
149	Pneumonia treatment by photodynamic therapy with extracorporeal illumination - an experimental model. <i>Physiological Reports</i> , 2017 , 5, e13190	2.6	32
148	The endothelium in hypoxic pulmonary vasoconstriction. <i>Journal of Applied Physiology</i> , 2017 , 123, 1635-1646	3.7	42
147	Adverse Heart-Lung Interactions in Ventilator-induced Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 196, 1411-1421	10.2	37
146	Animal models of sarcoidosis. <i>Cell and Tissue Research</i> , 2017 , 367, 651-661	4.2	23
145	Coagulation factor XII regulates inflammatory responses in human lungs. <i>Thrombosis and Haemostasis</i> , 2017 , 117, 1896-1907	7	31
144	Cytokine-Regulation of Na-K-Cl Cotransporter 1 and Cystic Fibrosis Transmembrane Conductance Regulator-Potential Role in Pulmonary Inflammation and Edema Formation. <i>Frontiers in Immunology</i> , 2017 , 8, 393	8.4	23
143	Vascular Calcification in Pulmonary Hypertension. Another Brick in the Wall. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 194, 1187-1189	10.2	1
142	Adhesion Molecules: Master Controllers of the Circulatory System. <i>Comprehensive Physiology</i> , 2016 , 6, 945-73	7.7	31
141	Microparticles as biomarkers of lung disease: enumeration in biological fluids using lipid bilayer microspheres. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016 , 310, L802-L814	5.8	15
140	Therapeutic time window for angiotensin-(1-7) in acute lung injury. <i>British Journal of Pharmacology</i> , 2016 , 173, 1618-28	8.6	23
139	Identification and Validation of Larixyl Acetate as a Potent TRPC6 Inhibitor. <i>Molecular Pharmacology</i> , 2016 , 89, 197-213	4.3	52

138	Is basic science disappearing from medicine? The decline of biomedical research in the medical literature. <i>FASEB Journal</i> , 2016 , 30, 515-8	0.9	9
137	Role of Transient Receptor Potential Vanilloid 4 in Neutrophil Activation and Acute Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016 , 54, 370-83	5.7	77
136	Acute Lung Injury Causes Asynchronous Alveolar Ventilation That Can Be Corrected by Individual Sighs. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 193, 396-406	10.2	30
135	Thrombin stimulates albumin transcytosis in lung microvascular endothelial cells via activation of acid sphingomyelinase. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016 , 310, L720-32	5.8	25
134	Does cellular sex matter? Dimorphic transcriptional differences between female and male endothelial cells. <i>Atherosclerosis</i> , 2015 , 240, 61-72	3.1	43
133	CFTR and sphingolipids mediate hypoxic pulmonary vasoconstriction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E1614-23	11.5	61
132	Influenza-Induced Priming and Leak of Human Lung Microvascular Endothelium upon Exposure to Staphylococcus aureus. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015 , 53, 459-70	5.7	18
131	The pathophysiology of pulmonary hypertension in left heart disease. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015 , 309, L924-41	5.8	40
130	TRPV4: physiological role and therapeutic potential in respiratory diseases. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2015 , 388, 421-36	3.4	42
129	The Tie2-agonist Vasculotide rescues mice from influenza virus infection. <i>Scientific Reports</i> , 2015 , 5, 11030	1.9	41
128	Endothelial cell regulation of pulmonary vascular tone, inflammation, and coagulation. <i>Comprehensive Physiology</i> , 2015 , 5, 531-59	7.7	27
127	TRPV4 Is Required for Hypoxic Pulmonary Vasoconstriction. <i>Anesthesiology</i> , 2015 , 122, 1338-48	4.3	46
126	Mechanical ventilation induces neutrophil extracellular trap formation. <i>Anesthesiology</i> , 2015 , 122, 864-74	4.3	56
125	Absence of the calcium-binding protein, S100A1, confers pulmonary hypertension in mice associated with endothelial dysfunction and apoptosis. <i>Cardiovascular Research</i> , 2015 , 105, 8-19	9.9	12
124	Dose-dependent, therapeutic potential of angiotensin-(1-7) for the treatment of pulmonary arterial hypertension. <i>Pulmonary Circulation</i> , 2015 , 5, 649-57	2.7	21
123	The essential autophagy gene ATG7 modulates organ fibrosis via regulation of endothelial-to-mesenchymal transition. <i>Journal of Biological Chemistry</i> , 2015 , 290, 2547-59	5.4	66
122	The microRNA-130/301 family controls vasoconstriction in pulmonary hypertension. <i>Journal of Biological Chemistry</i> , 2015 , 290, 2069-85	5.4	67
121	Carvedilol improves biventricular fibrosis and function in experimental pulmonary hypertension. <i>Journal of Molecular Medicine</i> , 2015 , 93, 663-74	5.5	36

120	Functional transient receptor potential vanilloid 1 and transient receptor potential vanilloid 4 channels along different segments of the renal vasculature. <i>Acta Physiologica</i> , 2015 , 213, 481-91	5.6	22
119	Role of PTEN in Hypoxic Pulmonary Vasoconstriction. <i>FASEB Journal</i> , 2015 , 29, 1031.3	0.9	1
118	Vitamin D is a regulator of endothelial nitric oxide synthase and arterial stiffness in mice. <i>Molecular Endocrinology</i> , 2014 , 28, 53-64		150
117	Novel regulators of endothelial barrier function. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014 , 307, L924-35	5.8	88
116	Vascular receptor autoantibodies in pulmonary arterial hypertension associated with systemic sclerosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 190, 808-17	10.2	129
115	TRPV4: an exciting new target to promote alveolocapillary barrier function. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014 , 307, L817-21	5.8	50
114	Mechanical ventilation causes airway distension with proinflammatory sequelae in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014 , 307, L27-37	5.8	23
113	Differential regulation of lung endothelial permeability in vitro and in situ. <i>Cellular Physiology and Biochemistry</i> , 2014 , 34, 1-19	3.9	46
112	Ca ²⁺ entry via transient receptor potential vanilloid channel 4 mediates ventilation-induced lung vascular barrier failure (1176.3). <i>FASEB Journal</i> , 2014 , 28, 1176.3	0.9	
111	Inhaled nitric oxide reduces secondary brain damage after traumatic brain injury in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013 , 33, 311-8	7.3	61
110	Precapillary oxygenation contributes relevantly to gas exchange in the intact lung. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 188, 474-81	10.2	31
109	Pulmonary veins in the normal lung and pulmonary hypertension due to left heart disease. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2013 , 305, L725-36	5.8	25
108	Chloride transport-driven alveolar fluid secretion is a major contributor to cardiogenic lung edema. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E2308-16	11.5	56
107	Angiotensin-(1-7) protects from experimental acute lung injury. <i>Critical Care Medicine</i> , 2013 , 41, e334-43	1.4	87
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