

Wolfgang M Kuebler

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9144250/publications.pdf>

Version: 2024-02-01

298
papers

11,187
citations

28190

55
h-index

43802

91
g-index

304
all docs

304
docs citations

304
times ranked

15066
citing authors

#	ARTICLE	IF	CITATIONS
1	Significance of Mast Cell Formed Extracellular Traps in Microbial Defense. <i>Clinical Reviews in Allergy and Immunology</i> , 2022, 62, 160-179.	2.9	22
2	Pannexin 1: a novel regulator of acute hypoxic pulmonary vasoconstriction. <i>Cardiovascular Research</i> , 2022, 118, 2535-2547.	1.8	9
3	Pulsatility damping in the microcirculation: Basic pattern and modulating factors. <i>Microvascular Research</i> , 2022, 139, 104259.	1.1	2
4	Altered fibrin clot structure and dysregulated fibrinolysis contribute to thrombosis risk in severe COVID-19. <i>Blood Advances</i> , 2022, 6, 1074-1087.	2.5	35
5	Reply to Gille et al.. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2022, 322, L176-L177.	1.3	3
6	Age of Red Cells for Transfusion and Outcomes in Patients with ARDS. <i>Journal of Clinical Medicine</i> , 2022, 11, 245.	1.0	4
7	Alveolar epithelial glycocalyx degradation mediates surfactant dysfunction and contributes to acute respiratory distress syndrome. <i>JCI Insight</i> , 2022, 7, .	2.3	24
8	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.	1.4	82
9	Complement activation induces excessive T cell cytotoxicity in severe COVID-19. <i>Cell</i> , 2022, 185, 493-512.e25.	13.5	122
10	Coalescent angiogenesis—evidence for a novel concept of vascular network maturation. <i>Angiogenesis</i> , 2022, 25, 35-45.	3.7	20
11	Repeated endo-tracheal tube disconnection generates pulmonary edema in a model of volume overload: an experimental study. <i>Critical Care</i> , 2022, 26, 47.	2.5	4
12	<i>Pseudomonas aeruginosa</i> membrane vesicles cause endothelial barrier failure and lung injury. <i>European Respiratory Journal</i> , 2022, 59, 2101500.	3.1	2
13	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.	2.5	13
14	Key benefits of dexamethasone and antibody treatment in COVID-19 hamster models revealed by single-cell transcriptomics. <i>Molecular Therapy</i> , 2022, 30, 1952-1965.	3.7	20
15	A Model of Reverse Vascular Remodeling in Pulmonary Hypertension Due to Left Heart Disease by Aortic Debanding in Rats. <i>Journal of Visualized Experiments</i> , 2022, , .	0.2	1
16	Stimulation of the EP ₃ receptor causes lung edema by activation of TRPC6 in pulmonary endothelial cells. <i>European Respiratory Journal</i> , 2022, , 2102635.	3.1	3
17	<i>In Vitro</i> Screening Identifies TRPV4 and PAR1 as Targets for Endothelial Barrier Stabilization in COVID-19. <i>FASEB Journal</i> , 2022, 36, .	0.2	1
18	Loss of Endothelial CFTR Drives Barrier Failure and Edema Formation in Lung Infection and Can Be Targeted by CFTR Potentiation. <i>FASEB Journal</i> , 2022, 36, .	0.2	0

#	ARTICLE	IF	CITATIONS
19	Understanding COVID-19 susceptibility and presentation based on its underlying physiology. <i>Physiological Reviews</i> , 2022, 102, 1579-1585.	13.1	6
20	Comment on Ceruti et al. Temporal Changes in the Oxyhemoglobin Dissociation Curve of Critically Ill COVID-19 Patients. <i>J. Clin. Med.</i> 2022, 11, 788. <i>Journal of Clinical Medicine</i> , 2022, 11, 3376.	1.0	3
21	Plasma mediators in patients with severe COVID-19 cause lung endothelial barrier failure. <i>European Respiratory Journal</i> , 2021, 57, 2002384.	3.1	40
22	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, 2000921.	3.1	28
23	Protective function of DJ-1/PARK7 in lipopolysaccharide and ventilator-induced acute lung injury. <i>Redox Biology</i> , 2021, 38, 101796.	3.9	37
24	Platelet extracellular vesicles mediate transfusion-related acute lung injury by imbalancing the sphingolipid rheostat. <i>Blood</i> , 2021, 137, 690-701.	0.6	43
25	Connecting the dots: the role of connexins in the pulmonary vascular response to hypoxia. <i>European Respiratory Journal</i> , 2021, 57, 2004573.	3.1	0
26	Intra-vital imaging of mesenchymal stromal cell kinetics in the pulmonary vasculature during infection. <i>Scientific Reports</i> , 2021, 11, 5265.	1.6	31
27	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.	1.3	36
28	Progress and potential of mesenchymal stromal cell therapy in acute respiratory distress syndrome. , 2021, , 353-372.		1
29	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.	1.3	6
30	Bacterial Membrane Vesicles in Pneumonia: From Mediators of Virulence to Innovative Vaccine Candidates. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3858.	1.8	16
31	Hypertrophy-Reduced Autophagy Causes Cardiac Dysfunction by Directly Impacting Cardiomyocyte Contractility. <i>Cells</i> , 2021, 10, 805.	1.8	8
32	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.	1.6	27
33	In vitro screening identifies TRPV4 as target for endothelial barrier stabilization in COVID-19. <i>FASEB Journal</i> , 2021, 35, .	0.2	1
34	Experimental Degradation of the Alveolar Epithelial Glycocalyx Decreases Lung Compliance in Young and Old Mice, Potentially by Inducing Surfactant Dysfunction. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
35	Right-ventricular dysfunction in HFpEF is linked to altered cardiomyocyte Ca ²⁺ homeostasis and myofilament sensitivity. <i>ESC Heart Failure</i> , 2021, 8, 3130-3144.	1.4	12
36	Bilateral infiltrates in a health-care worker during the COVID-19 pandemic. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 742.	4.6	2

#	ARTICLE	IF	CITATIONS
37	Pannexin 1 – a novel regulator of hypoxic pulmonary vasoconstriction. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
38	SARS-CoV-2 May Hijack GPCR Signaling Pathways to Compromise Lung Ion and Fluid Transport. <i>FASEB Journal</i> , 2021, 35, .	0.2	1
39	Transbronchial mediastinal cryobiopsy in the diagnosis of mediastinal lesions: a randomised trial. <i>European Respiratory Journal</i> , 2021, 58, 2100055.	3.1	58
40	Heteromeric TRP Channels in Lung Inflammation. <i>Cells</i> , 2021, 10, 1654.	1.8	11
41	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.	1.3	2
42	Announcing the Editorial Board Fellowship Program of the American Journal of Physiology-Lung Cellular and Molecular Physiology. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L116-L118.	1.3	1
43	Reply to Eisenhut. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L287-L289.	1.3	1
44	The oxygen dissociation curve of blood in COVID-19. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L349-L357.	1.3	36
45	The CypA-netics of Ventilator-induced Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 385-387.	2.5	0
46	Single-cell transcriptome identifies FCGR3B upregulated subtype of alveolar macrophages in patients with critical COVID-19. <i>IScience</i> , 2021, 24, 103030.	1.9	13
47	Reply to Vogel et al.. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L638-L639.	1.3	2
48	Promoting our early career members at AJP-Lung: The Editorial Board Fellowship Program and the Next Generation Physiologist Highlights section at our Journal. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L844-L846.	1.3	1
49	The Lung-Brain Axis in Ventilator-induced Brain Injury: Enter IL-6. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 65, 339-340.	1.4	3
50	NFAT5/TonEBP Limits Pulmonary Vascular Resistance in the Hypoxic Lung by Controlling Mitochondrial Reactive Oxygen Species Generation in Arterial Smooth Muscle Cells. <i>Cells</i> , 2021, 10, 3293.	1.8	6
51	Spontaneous Degenerative Aortic Valve Disease in New Zealand Obese Mice. <i>Journal of the American Heart Association</i> , 2021, 10, e023131.	1.6	5
52	CFTR in the regulation of pulmonary vascular tone and remodeling. <i>European Respiratory Journal</i> , 2021, 58, 2101861.	3.1	0
53	Visualizing the spatiotemporal pattern of yolk sac membrane vascular network by enhanced local fractal analysis. <i>Microcirculation</i> , 2021, , e12746.	1.0	2
54	Gap junctions regulate vessel diameter in chick chorioallantoic membrane vasculature by both tone-dependent and structural mechanisms. <i>Microcirculation</i> , 2020, 27, e12590.	1.0	6

#	ARTICLE	IF	CITATIONS
55	Pneumonia in the face of COVID-19. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 319, L863-L866.	1.3	5
56	Evaluation of PEEP and prone positioning in early COVID-19 ARDS. EClinicalMedicine, 2020, 28, 100579.	3.2	49
57	Differential Roles of the Calcium Ion Channel TRPV4 in Host Responses to Mycobacterium tuberculosis Early and Late in Infection. IScience, 2020, 23, 101206.	1.9	9
58	Left ventricular dysfunction in heart failure with preserved ejection fraction—molecular mechanisms and impact on right ventricular function. Cardiovascular Diagnosis and Therapy, 2020, 10, 1541-1560.	0.7	14
59	TWIST1 Drives Smooth Muscle Cell Proliferation in Pulmonary Hypertension via Loss of GATA-6 and BMPR2. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 1283-1296.	2.5	22
60	Reduced deformability of stored red blood cells is associated with generation of extracellular vesicles. Transfusion and Apheresis Science, 2020, 59, 102851.	0.5	12
61	Perivascular Inflammation in Pulmonary Arterial Hypertension. Cells, 2020, 9, 2338.	1.8	94
62	Heart Rate Reduction Improves Right Ventricular Function and Fibrosis in Pulmonary Hypertension. American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 843-855.	1.4	10
63	Don't judge too RAShly: the multifaceted role of the renin-angiotensin system and its therapeutic potential in COVID-19. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L1023-L1024.	1.3	6
64	Ultra-High-Throughput Clinical Proteomics Reveals Classifiers of COVID-19 Infection. Cell Systems, 2020, 11, 11-24.e4.	2.9	439
65	The updated cancer paradigm of PAH: recognizing complexity. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L1111-L1114.	1.3	2
66	Urgent reconsideration of lung edema as a preventable outcome in COVID-19: inhibition of TRPV4 represents a promising and feasible approach. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L1239-L1243.	1.3	53
67	TRPV4—A Missing Link Between Mechanosensation and Immunity. Frontiers in Immunology, 2020, 11, 413.	2.2	69
68	The hallmarks of severe pulmonary arterial hypertension: the cancer hypothesis—ten years later. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L1115-L1130.	1.3	44
69	Cholesterol: A Novel Regulator of Vasoreactivity in Pulmonary Arteries. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 671-673.	1.4	0
70	Speckle-tracking echocardiography combined with imaging mass spectrometry assesses region-dependent alterations. Scientific Reports, 2020, 10, 3629.	1.6	12
71	From bedside to bench: lung ultrasound for the assessment of pulmonary edema in animal models. Cell and Tissue Research, 2020, 380, 379-392.	1.5	13
72	On Top of the Alveolar Epithelium: Surfactant and the Glycocalyx. International Journal of Molecular Sciences, 2020, 21, 3075.	1.8	32

#	ARTICLE	IF	CITATIONS
73	Ventilation and Perfusion at the Alveolar Level: Insights From Lung Intravital Microscopy. <i>Frontiers in Physiology</i> , 2020, 11, 291.	1.3	12
74	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.	2.0	6
75	Extracellular vesicles as regulators of kidney function and disease. <i>Intensive Care Medicine Experimental</i> , 2020, 8, 22.	0.9	13
76	TRPV4: An Underappreciated Target to Control Alveolar Lung Edema in Severe SARS-CoV-2 Infections. <i>SSRN Electronic Journal</i> , 2020, , 3558887.	0.4	2
77	Stretch-induced activation of Hippo signaling in lung microvascular endothelial cells – a novel mechanism of overventilation-induced pulmonary fibrosis. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
78	Novel mechanisms regulating endothelial barrier function in the pulmonary microcirculation. <i>Journal of Physiology</i> , 2019, 597, 997-1021.	1.3	59
79	Alveolar dynamics during mechanical ventilation in the healthy and injured lung. <i>Intensive Care Medicine Experimental</i> , 2019, 7, 34.	0.9	32
80	Characterization of Myocardial Microstructure and Function in an Experimental Model of Isolated Subendocardial Damage. <i>Hypertension</i> , 2019, 74, 295-304.	1.3	23
81	Mediastinal emphysema after long-distance flight with ketoacidosis and underlying diabetes mellitus type 1. <i>Respirology Case Reports</i> , 2019, 7, e00423.	0.3	0
82	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.	1.1	6
83	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.	0.5	11
84	Extracellular vesicles in lung health, disease, and therapy. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 316, L977-L989.	1.3	48
85	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.	1.3	5
86	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.	2.5	21
87	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, 1-15.	0.8	23
88	Transfusion-related Acute Lung Injury in the Perioperative Patient. <i>Anesthesiology</i> , 2019, 131, 693-715.	1.3	26
89	Acute Respiratory Distress Syndrome. <i>Anesthesiology</i> , 2019, 130, 364-366.	1.3	4
90	Lung Purinoceptor Activation Triggers Ventilator-Induced Brain Injury. <i>Critical Care Medicine</i> , 2019, 47, e911-e918.	0.4	15

#	ARTICLE	IF	CITATIONS
91	Cardiovascular sequelae of pneumonia. <i>Current Opinion in Pulmonary Medicine</i> , 2019, 25, 257-262.	1.2	23
92	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.	2.5	6
93	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, 544-544.	2.5	0
94	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.	1.3	27
95	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.	0.2	0
96	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.	0.2	0
97	High endothelial cell-derived S1P regulates dendritic cell localization and vascular integrity in the lymph node. <i>FASEB Journal</i> , 2019, 33, 523.2.	0.2	0
98	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.	0.2	0
99	Extracellular Vesicle Sphingolipids from Stored Platelets Mediate Transfusion Related Acute Lung Injury. <i>FASEB Journal</i> , 2019, 33, 845.2.	0.2	0
100	Inflammation and autoimmunity in pulmonary hypertension: is there a role for endothelial adhesion molecules? (2017 Grover Conference Series). <i>Pulmonary Circulation</i> , 2018, 8, 1-13.	0.8	41
101	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.	2.5	8
102	Lung Ultrasound and Microbubbles Enhance Aminoglycoside Efficacy and Delivery to the Lung in <i>Escherichia coli</i> -induced Pneumonia and Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 404-408.	2.5	19
103	Vascular-induced lung injury: another advocate for personalized ARDS management. <i>Intensive Care Medicine</i> , 2018, 44, 540-541.	3.9	1
104	Lessons from Cancer: Subcellular Drug Targeting of Mitochondrial HSP90 in Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 9-11.	2.5	5
105	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.	1.4	1
106	Targeting Transfusion-Related Acute Lung Injury: The Journey From Basic Science to Novel Therapies. <i>Critical Care Medicine</i> , 2018, 46, e452-e458.	0.4	49
107	Inspiratory preload obliteration may injure lungs via cyclical "off" vascular flow. <i>Intensive Care Medicine</i> , 2018, 44, 1521-1523.	3.9	8
108	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.	0.4	16

#	ARTICLE	IF	CITATIONS
109	Shedding First Light on the Alveolar Epithelial Glycocalyx. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 59, 283-284.	1.4	13
110	Experimental Right Ventricular Hypertension Induces Regional β 1-Integrin-Mediated Transduction of Hypertrophic and Profibrotic Right and Left Ventricular Signaling. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	22
111	Difficulties in modelling ARDS (2017 Grover Conference Series). <i>Pulmonary Circulation</i> , 2018, 8, 1-9.	0.8	11
112	Transient Receptor Potential Vanilloid 4 Channel Deficiency Aggravates Tubular Damage after Acute Renal Ischaemia Reperfusion. <i>Scientific Reports</i> , 2018, 8, 4878.	1.6	17
113	Improved resolution in extracellular vesicle populations using 405Å instead of 488Å nm side scatter. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1454776.	5.5	43
114	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.	2.5	52
115	Impaired lung repair during neutropenia can be reverted by matrix metalloproteinase-9. <i>Thorax</i> , 2018, 73, 321-330.	2.7	44
116	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.	1.3	26
117	Coronary Microcirculation in Ischemic Heart Disease. <i>Current Pharmaceutical Design</i> , 2018, 24, 2893-2899.	0.9	15
118	Pathobiology, pathology and genetics of pulmonary hypertension: Update from the Cologne Consensus Conference 2018. <i>International Journal of Cardiology</i> , 2018, 272, 4-10.	0.8	26
119	Is there a role for endothelin-1 receptor antagonists in the treatment of lung fibrosis associated with pulmonary hypertension?. <i>European Respiratory Journal</i> , 2018, 52, 1801287.	3.1	6
120	Optimising experimental research in respiratory diseases: an ERS statement. <i>European Respiratory Journal</i> , 2018, 51, 1702133.	3.1	98
121	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.	1.3	13
122	Evaluation of a commercial multi-dimensional echocardiography technique for ventricular volumetry in small animals. <i>Cardiovascular Ultrasound</i> , 2018, 16, 10.	0.5	21
123	Pulse wave velocity in the microcirculation reflects both vascular compliance and resistance: Insights from computational approaches. <i>Microcirculation</i> , 2018, 25, e12458.	1.0	6
124	Abrupt Deflation after Sustained Inflation Causes Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 1165-1176.	2.5	39
125	Extracellular vesicles: biomarkers and regulators of vascular function during extracorporeal circulation. <i>Oncotarget</i> , 2018, 9, 37229-37251.	0.8	11
126	Ceramide Containing Microparticles from Aged Stored Platelets Recapitulate Aspects of Murine Transfusion Related Acute Lung Injury. <i>FASEB Journal</i> , 2018, 32, 746.2.	0.2	0

#	ARTICLE	IF	CITATIONS
127	Mesenchymal Stromal Cell Microparticles Enhance Lung Endothelial Barrier Through CD44 and the S1P/ceramide Rheostat. <i>FASEB Journal</i> , 2018, 32, 917.4.	0.2	0
128	T regulatory cells and dendritic cells protect against transfusion-related acute lung injury via IL-10. <i>Blood</i> , 2017, 129, 2557-2569.	0.6	93
129	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.	2.5	7
130	The mast cellâ€“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.	1.3	57
131	Modeling of pulsatile flow-dependent nitric oxide regulation in a realistic microvascular network. <i>Microvascular Research</i> , 2017, 113, 40-49.	1.1	7
132	Role of phosphatase and tensin homolog in hypoxic pulmonary vasoconstriction. <i>Cardiovascular Research</i> , 2017, 113, 869-878.	1.8	12
133	Spleen tyrosine kinase inhibition blocks airway constriction and protects from Th2â€“induced airway inflammation and remodeling. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2017, 72, 1061-1072.	2.7	15
134	Transient Receptor Potential Vanilloid 4 and Serum Glucocorticoidâ€“regulated Kinase 1 Are Critical Mediators of Lung Injury in Overventilated Mice <i>In Vivo</i> . <i>Anesthesiology</i> , 2017, 126, 300-311.	1.3	46
135	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.	0.4	22
136	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.	1.3	26
137	Pneumonia treatment by photodynamic therapy with extracorporeal illumination â€“an experimental model. <i>Physiological Reports</i> , 2017, 5, e13190.	0.7	42
138	What mediates the effects of thrombospondin-1 in pulmonary hypertension? New evidence for a dual-pronged role of CD47. <i>Cardiovascular Research</i> , 2017, 113, 3-5.	1.8	26
139	Tides of Blood: Cyclic Changes in Lung Blood Volume during a Single Breath. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 57, 386-387.	1.4	3
140	The endothelium in hypoxic pulmonary vasoconstriction. <i>Journal of Applied Physiology</i> , 2017, 123, 1635-1646.	1.2	69
141	Adverse Heartâ€“Lung Interactions in Ventilator-induced Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 1411-1421.	2.5	55
142	Animal models of sarcoidosis. <i>Cell and Tissue Research</i> , 2017, 367, 651-661.	1.5	28
143	Coagulation factor XII regulates inflammatory responses in human lungs. <i>Thrombosis and Haemostasis</i> , 2017, 117, 1896-1907.	1.8	36
144	Cytokine-Regulation of Na ⁺ -K ⁺ -Cl ⁻ Cotransporter 1 and Cystic Fibrosis Transmembrane Conductance Regulatorâ€“Potential Role in Pulmonary Inflammation and Edema Formation. <i>Frontiers in Immunology</i> , 2017, 8, 393.	2.2	36

#	ARTICLE	IF	CITATIONS
145	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-L732.	1.3	29
146	Vascular Calcification in Pulmonary Hypertension. Another Brick in the Wall. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 1187-1189.	2.5	1
147	Adhesion Molecules: Master Controllers of the Circulatory System. , 2016, 6, 945-973.		39
148	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.	1.3	23
149	Therapeutic time window for angiotensin(1-7) in acute lung injury. <i>British Journal of Pharmacology</i> , 2016, 173, 1618-1628.	2.7	28
150	Identification and Validation of Larixyl Acetate as a Potent TRPC6 Inhibitor. <i>Molecular Pharmacology</i> , 2016, 89, 197-213.	1.0	67
151	Of Deep Waters and Thin Air. <i>Circulation</i> , 2016, 133, 951-953.	1.6	6
152	Is basic science disappearing from medicine? The decline of biomedical research in the medical literature. <i>FASEB Journal</i> , 2016, 30, 515-518.	0.2	17
153	Hypospondin™: thrombospondin and its emerging role in pulmonary hypertension. <i>Cardiovascular Research</i> , 2016, 109, 1-3.	1.8	6
154	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, 370-383.	1.4	95
155	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.	2.5	40
156	The Tie2-agonist Vasculotide rescues mice from influenza virus infection. <i>Scientific Reports</i> , 2015, 5, 11030.	1.6	57
157	Endothelial Cell Regulation of Pulmonary Vascular Tone, Inflammation, and Coagulation. , 2015, 5, 531-559.		38
158	TRPV4 Is Required for Hypoxic Pulmonary Vasoconstriction. <i>Anesthesiology</i> , 2015, 122, 1338-1348.	1.3	59
159	Mechanical Ventilation Induces Neutrophil Extracellular Trap Formation. <i>Anesthesiology</i> , 2015, 122, 864-875.	1.3	72
160	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.	1.8	14
161	Dose-Dependent, Therapeutic Potential of Angiotensin(1-7) for the Treatment of Pulmonary Arterial Hypertension. <i>Pulmonary Circulation</i> , 2015, 5, 649-657.	0.8	28
162	The Essential Autophagy Gene ATG7 Modulates Organ Fibrosis via Regulation of Endothelial-to-Mesenchymal Transition. <i>Journal of Biological Chemistry</i> , 2015, 290, 2547-2559.	1.6	87

#	ARTICLE	IF	CITATIONS
163	The MicroRNA-130/301 Family Controls Vasoconstriction in Pulmonary Hypertension. <i>Journal of Biological Chemistry</i> , 2015, 290, 2069-2085.	1.6	80
164	Carvedilol improves biventricular fibrosis and function in experimental pulmonary hypertension. <i>Journal of Molecular Medicine</i> , 2015, 93, 663-674.	1.7	42
165	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, 481-491.	1.8	30
166	Does cellular sex matter? Dimorphic transcriptional differences between female and male endothelial cells. <i>Atherosclerosis</i> , 2015, 240, 61-72.	0.4	64
167	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.	3.3	80
168	Influenza-Induced Priming and Leak of Human Lung Microvascular Endothelium upon Exposure to <i>Staphylococcus aureus</i> . <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 53, 459-470.	1.4	31
169	The pathophysiology of pulmonary hypertension in left heart disease. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L924-L941.	1.3	52
170	TRPV4: physiological role and therapeutic potential in respiratory diseases. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2015, 388, 421-436.	1.4	62
171	Role of PTEN in Hypoxic Pulmonary Vasoconstriction. <i>FASEB Journal</i> , 2015, 29, 1031.3.	0.2	1
172	TRPV4: an exciting new target to promote alveolocapillary barrier function. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 307, L817-L821.	1.3	64
173	Mechanical ventilation causes airway distension with proinflammatory sequelae in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 307, L27-L37.	1.3	26
174	Differential Regulation of Lung Endothelial Permeability <i>in Vitro</i> and <i>in Situ</i> . <i>Cellular Physiology and Biochemistry</i> , 2014, 34, 1-19.	1.1	54
175	Vitamin D Is a Regulator of Endothelial Nitric Oxide Synthase and Arterial Stiffness in Mice. <i>Molecular Endocrinology</i> , 2014, 28, 53-64.	3.7	204
176	Novel regulators of endothelial barrier function. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 307, L924-L935.	1.3	109
177	Vascular Receptor Autoantibodies in Pulmonary Arterial Hypertension Associated with Systemic Sclerosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 808-817.	2.5	170
178	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.	0.2	0
179	Inhaled Nitric Oxide Reduces Secondary Brain Damage after Traumatic Brain Injury in Mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 311-318.	2.4	81
180	Precapillary Oxygenation Contributes Relevantly to Gas Exchange in the Intact Lung. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 474-481.	2.5	36

#	ARTICLE	IF	CITATIONS
181	Pulmonary veins in the normal lung and pulmonary hypertension due to left heart disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 305, L725-L736.	1.3	39
182	Chloride transport-driven alveolar fluid secretion is a major contributor to cardiogenic lung edema. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2308-16.	3.3	66
183	Eisenmenger's Syndrome: In Search of the Best Vasodilator. Cardiology, 2013, 126, 252-254.	0.6	1
184	Angiotensin-(1 α 7) Protects From Experimental Acute Lung Injury. Critical Care Medicine, 2013, 41, e334-e343.	0.4	101
185	Vasodilatory Effect of the Stable Vasoactive Intestinal Peptide Analog RO 25-1553 in Murine and Rat Lungs. PLoS ONE, 2013, 8, e75861.	1.1	11
186	Towards Whole-Body Fluorescence Imaging in Humans. PLoS ONE, 2013, 8, e83749.	1.1	20
187	Role of Transient receptor potential vanilloid 4 in neutrophil activation and acute lung injury. FASEB Journal, 2013, 27, 714.25.	0.2	1
188	Three-dimensional simultaneous optical coherence tomography and confocal fluorescence microscopy for investigation of lung tissue. Journal of Biomedical Optics, 2012, 17, 071310.	1.4	11
189	Disruption of Platelet-derived Chemokine Heteromers Prevents Neutrophil Extravasation in Acute Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 628-636.	2.5	202
190	Inhalation of Nitric Oxide Prevents Ischemic Brain Damage in Experimental Stroke by Selective Dilatation of Collateral Arterioles. Circulation Research, 2012, 110, 727-738.	2.0	163
191	Multimodal imaging of lung tissue using optical coherence tomography and two photon microscopy. Proceedings of SPIE, 2012, , .	0.8	1
192	Lung Endothelial Ca ²⁺ and Permeability Response to Platelet-Activating Factor Is Mediated by Acid Sphingomyelinase and Transient Receptor Potential Classical 6. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 160-170.	2.5	80
193	Microparticles and acute lung injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 303, L364-L381.	1.3	129
194	Co-Regulation of Transcellular and Paracellular Leak Across Microvascular Endothelium by Dynamin and Rac. American Journal of Pathology, 2012, 180, 1308-1323.	1.9	56
195	Inhalation of NO during myocardial ischemia reduces infarct size and improves cardiac function. Intensive Care Medicine, 2012, 38, 1381-1391.	3.9	19
196	Novel pharmacological TRPC inhibitors block hypoxia-induced vasoconstriction. Cell Calcium, 2012, 51, 194-206.	1.1	68
197	Hypoxic pulmonary vasoconstriction requires connexin 40-mediated endothelial signal conduction. Journal of Clinical Investigation, 2012, 122, 4218-4230.	3.9	134
198	Intravenous Immunoglobulin Prevents Murine Antibody-Mediated Acute Lung Injury at the Level of Neutrophil Reactive Oxygen Species (ROS) Production. PLoS ONE, 2012, 7, e31357.	1.1	50

#	ARTICLE	IF	CITATIONS
199	Role of CFTR and sphingolipids in hypoxic pulmonary vasoconstriction. <i>FASEB Journal</i> , 2012, 26, 700.3.	0.2	1
200	Active transepithelial Cl ⁻ secretion promotes hydrostatic lung edema. <i>FASEB Journal</i> , 2012, 26, 696.10.	0.2	0
201	Co-regulation of Transcellular and Paracellular Leak Across Microvascular Endothelium By Dynamin and Rac. <i>FASEB Journal</i> , 2012, 26, .	0.2	0
202	Pulmonary hypertension due to left heart disease: Updated Recommendations of the Cologne Consensus Conference 2011. <i>International Journal of Cardiology</i> , 2011, 154, S34-S44.	0.8	29
203	Biomarkers of acute respiratory distress syndrome: Do good things lie nearby?*. <i>Critical Care Medicine</i> , 2011, 39, 207-209.	0.4	6
204	Investigation of alveolar tissue deformations using OCT combined with fluorescence microscopy. , 2011, , .		1
205	Optical coherence tomography and confocal fluorescence microscopy as a combined method for studying morphological changes in lung dynamics. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
206	Methods for quantitative evaluation of alveolar structure during in vivo microscopy. <i>Respiratory Physiology and Neurobiology</i> , 2011, 176, 123-129.	0.7	12
207	Involvement of mast cells in monocrotaline-induced pulmonary hypertension in rats. <i>Respiratory Research</i> , 2011, 12, 60.	1.4	66
208	Human Neutrophil Peptides Mediate Endothelial-Monocyte Interaction, Foam Cell Formation, and Platelet Activation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 2070-2079.	1.1	48
209	Real-Time Imaging Assessment of Pulmonary Vascular Responses. <i>Proceedings of the American Thoracic Society</i> , 2011, 8, 458-465.	3.5	16
210	Sildenafil Preserves Lung Endothelial Function and Prevents Pulmonary Vascular Remodeling in a Rat Model of Diastolic Heart Failure. <i>Circulation: Heart Failure</i> , 2011, 4, 198-206.	1.6	69
211	Mast cells promote lung vascular remodelling in pulmonary hypertension. <i>European Respiratory Journal</i> , 2011, 37, 1400-1410.	3.1	67
212	The Janus-faced regulation of endothelial permeability by cyclic GMP. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011, 301, L157-L160.	1.3	16
213	Cell Physiology and Fluid Mechanics in the Pulmonary Alveolus and Its Capillaries. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , 2011, , 49-65.	0.2	0
214	Intravenous Gammaglobulin (IVIg) Therapy Prevents Antibody-Mediated Transfusion Related Acute Lung Injury (TRALI) by Directly Inhibiting Recipient Neutrophil Activation in a Murine Model. <i>Blood</i> , 2011, 118, 42-42.	0.6	0
215	Take my breath away: Perivascular fluid cuffs impair lung mechanics*. <i>Critical Care Medicine</i> , 2010, 38, 1494-1496.	0.4	2
216	Dynamic alveolar mechanics in acute lung injury. <i>Critical Care Medicine</i> , 2010, 38, 345.	0.4	24

#	ARTICLE	IF	CITATIONS
217	Near-infrared spectroscopy and indocyanine green derived blood flow index for noninvasive measurement of muscle perfusion during exercise. <i>Journal of Applied Physiology</i> , 2010, 108, 962-967.	1.2	52
218	Recipient T lymphocytes modulate the severity of antibody-mediated transfusion-related acute lung injury. <i>Blood</i> , 2010, 116, 3073-3079.	0.6	50
219	Vascular Barrier Regulation by PAF, Ceramide, Caveolae, and NO - an Intricate Signaling Network with Discrepant Effects in the Pulmonary and Systemic Vasculature. <i>Cellular Physiology and Biochemistry</i> , 2010, 26, 29-40.	1.1	74
220	The effect of DMSA-functionalized magnetic nanoparticles on transendothelial migration of monocytes in the murine lung via a β_2 integrin-dependent pathway. <i>Biomaterials</i> , 2010, 31, 366-374.	5.7	72
221	Mechanotransduction by TRP Channels: General Concepts and Specific Role in the Vasculature. <i>Cell Biochemistry and Biophysics</i> , 2010, 56, 1-18.	0.9	149
222	Use of Human Umbilical Cord Blood-Derived Progenitor Cells for Tissue-Engineered Heart Valves. <i>Annals of Thoracic Surgery</i> , 2010, 89, 819-828.	0.7	53
223	Theoretical modeling of the interaction between alveoli during inflation and deflation in normal and diseased lungs. <i>Journal of Biomechanics</i> , 2010, 43, 1202-1207.	0.9	24
224	Platelet-activating factor reduces endothelial nitric oxide production: role of acid sphingomyelinase. <i>European Respiratory Journal</i> , 2010, 36, 417-427.	3.1	46
225	Virtual four-dimensional imaging of lung parenchyma by optical coherence tomography in mice. <i>Journal of Biomedical Optics</i> , 2010, 15, 036016.	1.4	19
226	Lung Endothelial Dysfunction in Congestive Heart Failure. <i>Circulation Research</i> , 2010, 106, 1103-1116.	2.0	56
227	Activating Transcription Factor 3 Confers Protection against Ventilator-induced Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 489-500.	2.5	49
228	The low-dose combination preparation Vertigoheel activates cyclic nucleotide pathways and stimulates vasorelaxation. <i>Clinical Hemorheology and Microcirculation</i> , 2010, 46, 23-35.	0.9	8
229	β_1 -T-type calcium channel selectively regulates P-selectin surface expression in pulmonary capillary endothelium. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2010, 299, L86-L97.	1.3	25
230	From a distance: ventilation-dependent extra-pulmonary injury. <i>Translational Research</i> , 2010, 155, 217-219.	2.2	4
231	Statins STAT for (over)ventilated patients?. <i>Critical Care</i> , 2010, 14, 1014.	2.5	4
232	Lung endothelial dysfunction in heart failure: Role of impaired Ca ²⁺ signaling and cytoskeletal reorganization. <i>FASEB Journal</i> , 2010, 24, 797.4.	0.2	0
233	The Role of Recipient Platelets In the Prevention of Antibody-Mediated Transfusion Related Acute Lung Injury (TRALI). <i>Blood</i> , 2010, 116, 3351-3351.	0.6	0
234	New Targets in Pulmonary Hypertension—Another ACE Up the Sleeve. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 180, 481-482.	2.5	0

#	ARTICLE	IF	CITATIONS
235	Comparison of two in vivo microscopy techniques to visualize alveolar mechanics. <i>Journal of Clinical Monitoring and Computing</i> , 2009, 23, 323-332.	0.7	36
236	Inhaled milrinone attenuates experimental acute lung injury. <i>Intensive Care Medicine</i> , 2009, 35, 171-178.	3.9	23
237	Intercostal muscle blood flow limitation in athletes during maximal exercise. <i>Journal of Physiology</i> , 2009, 587, 3665-3677.	1.3	70
238	Alveolar dynamics in acute lung injury: Heterogeneous distension rather than cyclic opening and collapse*. <i>Critical Care Medicine</i> , 2009, 37, 2604-2611.	0.4	160
239	Inhaled nitric oxide versus aerosolized iloprost for the treatment of pulmonary hypertension with left heart disease*. <i>Critical Care Medicine</i> , 2009, 37, 980-986.	0.4	68
240	Inhaled nitric oxide improves left ventricular function during myocardial ischemia. <i>FASEB Journal</i> , 2009, 23, 1032.5.	0.2	0
241	Hitting new barriers in ventilator-induced lung injury. <i>Intensive Care Medicine</i> , 2008, 34, 592-594.	3.9	4
242	Endothelium-platelet interactions in inflammatory lung disease. <i>Vascular Pharmacology</i> , 2008, 49, 141-150.	1.0	67
243	Regional differences in tissue oxygenation during cardiopulmonary bypass for correction of congenital heart disease in neonates and small infants: Relevance of near-infrared spectroscopy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008, 136, 962-967.	0.4	52
244	The Pulmonary Microcirculation. , 2008, , 712-734.		3
245	Negative-Feedback Loop Attenuates Hydrostatic Lung Edema via a cGMP-Dependent Regulation of Transient Receptor Potential Vanilloid 4. <i>Circulation Research</i> , 2008, 102, 966-974.	2.0	125
246	How NIR is the future in blood flow monitoring?. <i>Journal of Applied Physiology</i> , 2008, 104, 905-906.	1.2	18
247	Intravital microscopy of the murine pulmonary microcirculation. <i>Journal of Applied Physiology</i> , 2008, 104, 338-346.	1.2	139
248	Pulmonary venous hypertension causes differential expression of developmental genes in the lung. <i>FASEB Journal</i> , 2008, 22, 1209.13.	0.2	0
249	cGMP regulates mechanosensitive TRPV4 channels in lung endothelial cells. <i>FASEB Journal</i> , 2008, 22, 1213.8.	0.2	0
250	A two-component simulation model to teach respiratory mechanics. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2007, 31, 218-222.	0.8	11
251	Nitric oxide-dependent inhibition of alveolar fluid clearance in hydrostatic lung edema. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 293, L859-L869.	1.3	43
252	Inhalation of the Phosphodiesterase-3 Inhibitor Milrinone Attenuates Pulmonary Hypertension in a Rat Model of Congestive Heart Failure. <i>Anesthesiology</i> , 2007, 106, 124-131.	1.3	55

#	ARTICLE	IF	CITATIONS
253	Real-time lung microscopy. <i>Journal of Applied Physiology</i> , 2007, 102, 1255-1264.	1.2	60
254	Knee extensor fatigability after bedrest for 8 weeks with and without countermeasure. <i>Muscle and Nerve</i> , 2007, 36, 798-806.	1.0	35
255	4-Aminopyridine Restores Impaired Hypoxic Pulmonary Vasoconstriction in Endotoxemic Mice. <i>Anesthesiology</i> , 2007, 107, 597-604.	1.3	18
256	Lung endothelial TRPV channels are downregulated in heart failure. <i>FASEB Journal</i> , 2007, 21, A858.	0.2	0
257	Amiloride-sensitive Na ⁺ channels are blocked by endothelial derived NO in hydrostatic stress. <i>FASEB Journal</i> , 2007, 21, A553.	0.2	0
258	Arteriolar Blood Flow Pulsatility in a Patient Before and After Implantation of an Axial Flow Pump. <i>Annals of Thoracic Surgery</i> , 2006, 81, 1109-1111.	0.7	11
259	Detection of Lower Torso Ischemia by Near-Infrared Spectroscopy During Cardiopulmonary Bypass in a 6.8-Kg Infant With Complex Aortic Anatomy. <i>Annals of Thoracic Surgery</i> , 2006, 82, 323-325.	0.7	19
260	Tissue Engineering of Autologous Human Heart Valves Using Cryopreserved Vascular Umbilical Cord Cells. <i>Annals of Thoracic Surgery</i> , 2006, 81, 2207-2216.	0.7	68
261	The Role of Selectins During Lung Inflammation and Their Potential Impact for Innovative Therapeutic Strategies. <i>Current Respiratory Medicine Reviews</i> , 2006, 2, 339-354.	0.1	9
262	Relevance of depth resolution for cerebral blood flow monitoring by near-infrared spectroscopic bolus tracking during cardiopulmonary bypass. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006, 132, 1172-1178.	0.4	34
263	Clinical Use of Normobaric Hyperoxia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2006, 35, 404a-405.	1.4	0
264	Hyperoxia-Induced Reactive Oxygen Species Formation in Pulmonary Capillary Endothelial Cells In Situ. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2006, 34, 453-463.	1.4	177
265	Selectins revisited: the emerging role of platelets in inflammatory lung disease. <i>Journal of Clinical Investigation</i> , 2006, 116, 3106-3108.	3.9	39
266	A new model for intravital microscopy of the murine pulmonary microcirculation. <i>FASEB Journal</i> , 2006, 20, A285.	0.2	3
267	Depolarization Evokes Calcium Entry Through Ca _v 3.1 Channels in Lung Microvascular Endothelium in situ. <i>FASEB Journal</i> , 2006, 20, A749.	0.2	0
268	Impaired Ca ²⁺ signaling protects lungs from development of severe hydrostatic lung edema in congestive heart failure (CHF). <i>FASEB Journal</i> , 2006, 20, A746.	0.2	0
269	Sequential formation of reactive oxygen species by mitochondria and NAD(P)H oxidase in lung endothelial cells during hyperoxia. <i>FASEB Journal</i> , 2006, 20, A725.	0.2	2
270	Atrial Natriuretic Peptide Induces Mitogen-Activated Protein Kinase Phosphatase-1 in Human Endothelial Cells via Rac1 and NAD(P)H Oxidase/Nox2-Activation. <i>Circulation Research</i> , 2005, 96, 43-53.	2.0	98

#	ARTICLE	IF	CITATIONS
271	Pressure-Induced Inflammatory Signaling in Lung Endothelial Cells. , 2005, , 61-71.		2
272	Inflammatory pathways and microvascular responses in the lung. Pharmacological Reports, 2005, 57 Suppl, 196-205.	1.5	10
273	Attenuation of Leukocyte Sequestration by Selective Blockade of PECAM-1 or VCAM-1 in Murine Endotoxemia. European Surgical Research, 2004, 36, 331-337.	0.6	25
274	Annual Meeting of the German Society for Microcirculation and Vascular Biology. Journal of Vascular Research, 2004, 41, 445-478.	0.6	2
275	Effects of unfractionated heparin, low molecular weight heparin and r-hirudin on leukocyte adhesion in ischemia/reperfusion. Blood Coagulation and Fibrinolysis, 2004, 15, 375-381.	0.5	4
276	Heparin-Level-Based Anticoagulation Management During Cardiopulmonary Bypass: A Pilot Investigation on the Effects of a Half-Dose Aprotinin Protocol on Postoperative Blood Loss and Hemostatic Activation and Inflammatory Response. Anesthesia and Analgesia, 2004, 98, 285-290.	1.1	22
277	The prostaglandins epoprostenol and iloprost increase left ventricular contractility in vivo. Intensive Care Medicine, 2003, 29, 1574-1583.	3.9	39
278	Effects of tirofiban on hemostatic activation and inflammatory response during cardiopulmonary bypass. American Journal of Cardiology, 2003, 91, 346-347.	0.7	16
279	High antithrombin III levels attenuate hemostatic activation and leukocyte activation during cardiopulmonary bypass. Journal of Thoracic and Cardiovascular Surgery, 2003, 126, 906-907.	0.4	30
280	Management of heparin resistance during cardiopulmonary bypass: The effect of five different anticoagulation strategies on hemostatic activation. Journal of Cardiothoracic and Vascular Anesthesia, 2003, 17, 171-175.	0.6	62
281	Stretch Activates Nitric Oxide Production in Pulmonary Vascular Endothelial Cells In Situ. American Journal of Respiratory and Critical Care Medicine, 2003, 168, 1391-1398.	2.5	111
282	In situ Analysis of Coronary Terminal Arteriole Diameter Responses: Technical Report of a New Experimental Model. Journal of Vascular Research, 2003, 40, 442-448.	0.6	5
283	Visualization of Leukocyte Transendothelial and Interstitial Migration Using Reflected Light Oblique Transillumination in Intravital Video Microscopy. Journal of Vascular Research, 2003, 40, 435-441.	0.6	81
284	Pressure-induced endothelial Ca ²⁺ oscillations in lung capillaries. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 282, L917-L923.	1.3	64
285	The Marginated Pool. European Surgical Research, 2002, 34, 92-100.	0.6	51
286	Measurement of absolute values of hemoglobin oxygenation in the brain of small rodents by near infrared reflection spectrophotometry. Journal of Neuroscience Methods, 2002, 114, 107-117.	1.3	17
287	Pressure-Induced Endothelial Nitric Oxide Production in Lung Venular Capillaries. Anesthesiology, 2002, 96, A702.	1.3	1
288	Heparin Management with the Hepcon HMS during Cardiopulmonary Bypass: Is Additional Use of Aprotinin Beneficial?. Anesthesiology, 2002, 96, A132.	1.3	1

#	ARTICLE	IF	CITATIONS
289	Differential Myogenic Control of Coronary Terminal Arterioles: Results from a New Model of Fluorescence Microscopy on Isolated Hearts. <i>Anesthesiology</i> , 2002, 96, A652.	1.3	0
290	$\alpha_v \beta_3$ Integrin Induces Tyrosine Phosphorylation-Dependent Ca^{2+} Influx in Pulmonary Endothelial Cells. <i>Circulation Research</i> , 2000, 86, 456-462.	2.0	35
291	A novel signaling mechanism between gas and blood compartments of the lung. <i>Journal of Clinical Investigation</i> , 2000, 105, 905-913.	3.9	93
292	Leukocyte Sequestration in Pulmonary Microvessels and Lung Injury following Systemic Complement Activation in Rabbits. <i>Journal of Vascular Research</i> , 1999, 36, 289-298.	0.6	17
293	Pressure is proinflammatory in lung venular capillaries. <i>Journal of Clinical Investigation</i> , 1999, 104, 495-502.	3.9	128
294	Noninvasive Measurement of Regional Cerebral Blood Flow by Near-Infrared Spectroscopy and Indocyanine Green. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998, 18, 445-456.	2.4	188
295	An experimental model for simultaneous quantitative analysis of pulmonary micro- and macrocirculation during unilateral hypoxia in vivo. <i>Research in Experimental Medicine</i> , 1992, 192, 431-441.	0.7	9
296	Effects of Pressure and Flow on the Pulmonary Endothelium. , 0, , 309-335.		6
297	Endothelin B Receptor Immunodynamics in Pulmonary Arterial Hypertension. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	10
298	Autoimmunity to Sphingosine-1-Phosphate-Receptors in Systemic Sclerosis and Pulmonary Arterial Hypertension. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3