

# Wolfgang M Kuebler

## List of Publications by Year in descending order

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Version: 2024-02-01

298

papers

11,187

citations

28274

55

h-index

43889

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. Clinical Reviews in Allergy and Immunology, 2022, 62, 160-179.	6.5	22
2	Pannexin 1: a novel regulator of acute hypoxic pulmonary vasoconstriction. Cardiovascular Research, 2022, 118, 2535-2547.	3.8	9
3	Pulsatility damping in the microcirculation: Basic pattern and modulating factors. Microvascular Research, 2022, 139, 104259.	2.5	2
4	Altered fibrin clot structure and dysregulated fibrinolysis contribute to thrombosis risk in severe COVID-19. Blood Advances, 2022, 6, 1074-1087.	5.2	35
5	Reply to Gille et al.. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 322, L176-L177.	2.9	3
6	Age of Red Cells for Transfusion and Outcomes in Patients with ARDS. Journal of Clinical Medicine, 2022, 11, 245.	2.4	4
7	Alveolar epithelial glycocalyx degradation mediates surfactant dysfunction and contributes to acute respiratory distress syndrome. JCI Insight, 2022, 7, .	5.0	24
8	Update on the Features and Measurements of Experimental Acute Lung Injury in Animals: An Official American Thoracic Society Workshop Report. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, e1-e14.	2.9	82
9	Complement activation induces excessive T cell cytotoxicity in severe COVID-19. Cell, 2022, 185, 493-512.e25.	28.9	122
10	Coalescent angiogenesis—evidence for a novel concept of vascular network maturation. Angiogenesis, 2022, 25, 35-45.	7.2	20
11	Repeated endo-tracheal tube disconnection generates pulmonary edema in a model of volume overload: an experimental study. Critical Care, 2022, 26, 47.	5.8	4
12	<i>Pseudomonas aeruginosa</i> membrane vesicles cause endothelial barrier failure and lung injury. European Respiratory Journal, 2022, 59, 2101500.	6.7	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. Critical Care, 2022, 26, 50.	5.8	13
14	Key benefits of dexamethasone and antibody treatment in COVID-19 hamster models revealed by single-cell transcriptomics. Molecular Therapy, 2022, 30, 1952-1965.	8.2	20
15	A Model of Reverse Vascular Remodeling in Pulmonary Hypertension Due to Left Heart Disease by Aortic Debanding in Rats. Journal of Visualized Experiments, 2022, , .	0.3	1
16	Stimulation of the EP <sub>3</sub> receptor causes lung edema by activation of TRPC6 in pulmonary endothelial cells. European Respiratory Journal, 2022, , 2102635.	6.7	3
17	<i>In Vitro</i> Screening Identifies TRPV4 and PAR1 as Targets for Endothelial Barrier Stabilization in COVID-19. FASEB Journal, 2022, 36, .	0.5	1
18	Loss of Endothelial CFTR Drives Barrier Failure and Edema Formation in Lung Infection and Can Be Targeted by CFTR Potentiation. FASEB Journal, 2022, 36, .	0.5	0

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19	Understanding COVID-19 susceptibility and presentation based on its underlying physiology. <i>Physiological Reviews</i> , 2022, 102, 1579-1585.	28.8	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.	2.4	3
21	Plasma mediators in patients with severe COVID-19 cause lung endothelial barrier failure. <i>European Respiratory Journal</i> , 2021, 57, 2002384.	6.7	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.	6.7	28
23	Protective function of DJ-1/PARK7 in lipopolysaccharide and ventilator-induced acute lung injury. <i>Redox Biology</i> , 2021, 38, 101796.	9.0	37
24	Platelet extracellular vesicles mediate transfusion-related acute lung injury by imbalancing the sphingolipid rheostat. <i>Blood</i> , 2021, 137, 690-701.	1.4	43
25	Connecting the dots: the role of connexins in the pulmonary vascular response to hypoxia. <i>European Respiratory Journal</i> , 2021, 57, 2004573.	6.7	0
26	Intra-vital imaging of mesenchymal stromal cell kinetics in the pulmonary vasculature during infection. <i>Scientific Reports</i> , 2021, 11, 5265.	3.3	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.	2.9	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.	2.9	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.	4.1	16
31	Hypertrophy-Reduced Autophagy Causes Cardiac Dysfunction by Directly Impacting Cardiomyocyte Contractility. <i>Cells</i> , 2021, 10, 805.	4.1	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.	3.3	27
33	In vitro screening identifies TRPV4 as target for endothelial barrier stabilization in COVID-19. <i>FASEB Journal</i> , 2021, 35, .	0.5	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, .	0.5	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.	3.1	12
36	Bilateral infiltrates in a health-care worker during the COVID-19 pandemic. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 742.	9.1	2

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37	Pannexin 1 – a novel regulator of hypoxic pulmonary vasoconstriction. FASEB Journal, 2021, 35, .	0.5	0
38	SARS-CoV-2 May Hijack GPCR Signaling Pathways to Compromise Lung Ion and Fluid Transport. FASEB Journal, 2021, 35, .	0.5	1
39	Transbronchial mediastinal cryobiopsy in the diagnosis of mediastinal lesions: a randomised trial. European Respiratory Journal, 2021, 58, 2100055.	6.7	58
40	Heteromeric TRP Channels in Lung Inflammation. Cells, 2021, 10, 1654.	4.1	11
41	Sex-specific differences in plasma levels of FXII, HK, and FXIIa-C1-esterase inhibitor complexes in community-acquired pneumonia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L764-L774.	2.9	2
42	Announcing the Editorial Board Fellowship Program of the American Journal of Physiology-Lung Cellular and Molecular Physiology. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L116-L118.	2.9	1
43	Reply to Eisenhut. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L287-L289.	2.9	1
44	The oxygen dissociation curve of blood in COVID-19. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L349-L357.	2.9	36
45	The CypA-netics of Ventilator-induced Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 385-387.	5.6	0
46	Single-cell transcriptome identifies FCGR3B upregulated subtype of alveolar macrophages in patients with critical COVID-19. IScience, 2021, 24, 103030.	4.1	13
47	Reply to Vogel et al.. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L638-L639.	2.9	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. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L844-L846.	2.9	1
49	The Lung-Brain Axis in Ventilator-induced Brain Injury: Enter IL-6. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 339-340.	2.9	3
50	NFAT5/TonEBP Limits Pulmonary Vascular Resistance in the Hypoxic Lung by Controlling Mitochondrial Reactive Oxygen Species Generation in Arterial Smooth Muscle Cells. Cells, 2021, 10, 3293.	4.1	6
51	Spontaneous Degenerative Aortic Valve Disease in New Zealand Obese Mice. Journal of the American Heart Association, 2021, 10, e023131.	3.7	5
52	CFTR in the regulation of pulmonary vascular tone and remodeling. European Respiratory Journal, 2021, 58, 2101861.	6.7	0
53	Visualizing the spatiotemporal pattern of yolk sac membrane vascular network by enhanced local fractal analysis. Microcirculation, 2021, , e12746.	1.8	2
54	Gap junctions regulate vessel diameter in chick chorioallantoic membrane vasculature by both tone-dependent and structural mechanisms. Microcirculation, 2020, 27, e12590.	1.8	6

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55	Pneumonia in the face of COVID-19. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 319, L863-L866.	2.9	5
56	Evaluation of PEEP and prone positioning in early COVID-19 ARDS. EClinicalMedicine, 2020, 28, 100579.	7.1	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.	4.1	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.	1.7	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.	5.6	22
60	Reduced deformability of stored red blood cells is associated with generation of extracellular vesicles. Transfusion and Apheresis Science, 2020, 59, 102851.	1.0	12
61	Perivascular Inflammation in Pulmonary Arterial Hypertension. Cells, 2020, 9, 2338.	4.1	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.	2.9	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.	2.9	6
64	Ultra-High-Throughput Clinical Proteomics Reveals Classifiers of COVID-19 Infection. Cell Systems, 2020, 11, 11-24.e4.	6.2	439
65	The updated cancer paradigm of PAH: recognizing complexity. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L1111-L1114.	2.9	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.	2.9	53
67	TRPV4—A Missing Link Between Mechanosensation and Immunity. Frontiers in Immunology, 2020, 11, 413.	4.8	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.	2.9	44
69	Cholesterol: A Novel Regulator of Vasoreactivity in Pulmonary Arteries. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 671-673.	2.9	0
70	Speckle-tracking echocardiography combined with imaging mass spectrometry assesses region-dependent alterations. Scientific Reports, 2020, 10, 3629.	3.3	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.	2.9	13
72	On Top of the Alveolar Epithelium: Surfactant and the Glycocalyx. International Journal of Molecular Sciences, 2020, 21, 3075.	4.1	32

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73	Ventilation and Perfusion at the Alveolar Level: Insights From Lung Intravital Microscopy. <i>Frontiers in Physiology</i> , 2020, 11, 291.	2.8	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.	4.1	6
75	Extracellular vesicles as regulators of kidney function and disease. <i>Intensive Care Medicine Experimental</i> , 2020, 8, 22.	1.9	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.	0.5	0
78	Novel mechanisms regulating endothelial barrier function in the pulmonary microcirculation. <i>Journal of Physiology</i> , 2019, 597, 997-1021.	2.9	59
79	Alveolar dynamics during mechanical ventilation in the healthy and injured lung. <i>Intensive Care Medicine Experimental</i> , 2019, 7, 34.	1.9	32
80	Characterization of Myocardial Microstructure and Function in an Experimental Model of Isolated Subendocardial Damage. <i>Hypertension</i> , 2019, 74, 295-304.	2.7	23
81	Mediastinal emphysema after long-distance flight with ketoacidosis and underlying diabetes mellitus type 1. <i>Respirology Case Reports</i> , 2019, 7, e00423.	0.6	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.	2.5	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.	1.6	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.	2.9	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.	2.9	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.	5.6	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.	1.7	23
88	Transfusion-related Acute Lung Injury in the Perioperative Patient. <i>Anesthesiology</i> , 2019, 131, 693-715.	2.5	26
89	Acute Respiratory Distress Syndrome. <i>Anesthesiology</i> , 2019, 130, 364-366.	2.5	4
90	Lung Purinoceptor Activation Triggers Ventilator-Induced Brain Injury. <i>Critical Care Medicine</i> , 2019, 47, e911-e918.	0.9	15

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91	Cardiovascular sequelae of pneumonia. <i>Current Opinion in Pulmonary Medicine</i> , 2019, 25, 257-262.	2.6	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.	5.6	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.	5.6	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.	2.9	27
95	Ca <sup>2+</sup> Signaling and Barrier Function of Lung Microvascular Endothelial Cells are Modulated by Mesenchymal Stromal Cell Microparticles. <i>FASEB Journal</i> , 2019, 33, 845.6.	0.5	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.	0.5	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.	0.5	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.	0.5	0
99	Extracellular Vesicle Sphingolipids from Stored Platelets Mediate Transfusion Related Acute Lung Injury. <i>FASEB Journal</i> , 2019, 33, 845.2.	0.5	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.	1.7	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.	5.6	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.	5.6	19
103	Vascular-induced lung injury: another advocate for personalized ARDS management. <i>Intensive Care Medicine</i> , 2018, 44, 540-541.	8.2	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.	5.6	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.	3.9	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.	0.9	49
107	Inspiratory preload obliteration may injure lungs via cyclical on-off vascular flow. <i>Intensive Care Medicine</i> , 2018, 44, 1521-1523.	8.2	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.	0.9	16



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109	Shedding First Light on the Alveolar Epithelial Glycocalyx. American Journal of Respiratory Cell and Molecular Biology, 2018, 59, 283-284.	2.9	13
110	Experimental Right Ventricular Hypertension Induces Regional $\alpha_1$ -Integrin-Mediated Transduction of Hypertrophic and Profibrotic Right and Left Ventricular Signaling. Journal of the American Heart Association, 2018, 7, .	3.7	22
111	Difficulties in modelling ARDS (2017 Grover Conference Series). Pulmonary Circulation, 2018, 8, 1-9.	1.7	11
112	Transient Receptor Potential Vanilloid 4 Channel Deficiency Aggravates Tubular Damage after Acute Renal Ischaemia Reperfusion. Scientific Reports, 2018, 8, 4878.	3.3	17
113	Improved resolution in extracellular vesicle populations using 405Å instead of 488Å nm side scatter. Journal of Extracellular Vesicles, 2018, 7, 1454776.	12.2	43
114	Loss of SMAD3 Promotes Vascular Remodeling in Pulmonary Arterial Hypertension via MRTF Disinhibition. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 244-260.	5.6	52
115	Impaired lung repair during neutropenia can be reverted by matrix metalloproteinase-9. Thorax, 2018, 73, 321-330.	5.6	44
116	Chronic lung injury and impaired pulmonary function in a mouse model of acid ceramidase deficiency. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, L406-L420.	2.9	26
117	Coronary Microcirculation in Ischemic Heart Disease. Current Pharmaceutical Design, 2018, 24, 2893-2899.	1.9	15
118	Pathobiology, pathology and genetics of pulmonary hypertension: Update from the Cologne Consensus Conference 2018. International Journal of Cardiology, 2018, 272, 4-10.	1.7	26
119	Is there a role for endothelin-1 receptor antagonists in the treatment of lung fibrosis associated with pulmonary hypertension?. European Respiratory Journal, 2018, 52, 1801287.	6.7	6
120	Optimising experimental research in respiratory diseases: an ERS statement. European Respiratory Journal, 2018, 51, 1702133.	6.7	98
121	A pro-con debate: current controversies in PAH pathogenesis at the American Thoracic Society International Conference in 2017. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L502-L516.	2.9	13
122	Evaluation of a commercial multi-dimensional echocardiography technique for ventricular volumetry in small animals. Cardiovascular Ultrasound, 2018, 16, 10.	1.6	21
123	Pulse wave velocity in the microcirculation reflects both vascular compliance and resistance: Insights from computational approaches. Microcirculation, 2018, 25, e12458.	1.8	6
124	Abrupt Deflation after Sustained Inflation Causes Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 1165-1176.	5.6	39
125	Extracellular vesicles: biomarkers and regulators of vascular function during extracorporeal circulation. Oncotarget, 2018, 9, 37229-37251.	1.8	11
126	Ceramide Containing Microparticles from Aged Stored Platelets Recapitulate Aspects of Murine Transfusion Related Acute Lung Injury. FASEB Journal, 2018, 32, 746.2.	0.5	0



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127	Mesenchymal Stromal Cell Microparticles Enhance Lung Endothelial Barrier Through CD44 and the S1P/ceramide Rheostat. <i>FASEB Journal</i> , 2018, 32, 917.4.	0.5	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.	1.4	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.	5.6	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.	2.9	57
131	Modeling of pulsatile flow-dependent nitric oxide regulation in a realistic microvascular network. <i>Microvascular Research</i> , 2017, 113, 40-49.	2.5	7
132	Role of phosphatase and tensin homolog in hypoxic pulmonary vasoconstriction. <i>Cardiovascular Research</i> , 2017, 113, 869-878.	3.8	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.	5.7	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.	2.5	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.	0.8	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.	2.9	26
137	Pneumonia treatment by photodynamic therapy with extracorporeal illumination â€“an experimental model. <i>Physiological Reports</i> , 2017, 5, e13190.	1.7	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.	3.8	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.	2.9	3
140	The endothelium in hypoxic pulmonary vasoconstriction. <i>Journal of Applied Physiology</i> , 2017, 123, 1635-1646.	2.5	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.	5.6	55
142	Animal models of sarcoidosis. <i>Cell and Tissue Research</i> , 2017, 367, 651-661.	2.9	28
143	Coagulation factor XII regulates inflammatory responses in human lungs. <i>Thrombosis and Haemostasis</i> , 2017, 117, 1896-1907.	3.4	36
144	Cytokine-Regulation of Na <sup>+</sup> -K <sup>+</sup> -Cl <sup>-</sup> Cotransporter 1 and Cystic Fibrosis Transmembrane Conductance Regulatorâ€“Potential Role in Pulmonary Inflammation and Edema Formation. <i>Frontiers in Immunology</i> , 2017, 8, 393.	4.8	36

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145	Thrombin stimulates albumin transcytosis in lung microvascular endothelial cells via activation of acid sphingomyelinase. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L720-L732.	2.9	29
146	Vascular Calcification in Pulmonary Hypertension. Another Brick in the Wall. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 1187-1189.	5.6	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. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L802-L814.	2.9	23
149	Therapeutic time window for angiotensinâ€“(1â€“7) in acute lung injury. British Journal of Pharmacology, 2016, 173, 1618-1628.	5.4	28
150	Identification and Validation of Larixyl Acetate as a Potent TRPC6 Inhibitor. Molecular Pharmacology, 2016, 89, 197-213.	2.3	67
151	Of Deep Waters and Thin Air. Circulation, 2016, 133, 951-953.	1.6	6
152	Is basic science disappearing from medicine? The decline of biomedical research in the medical literature. FASEB Journal, 2016, 30, 515-518.	0.5	17
153	â€“Hypoxio-spondinâ€“™: thrombospondin and its emerging role in pulmonary hypertension. Cardiovascular Research, 2016, 109, 1-3.	3.8	6
154	Role of Transient Receptor Potential Vanilloid 4 in Neutrophil Activation and Acute Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 370-383.	2.9	95
155	Acute Lung Injury Causes Asynchronous Alveolar Ventilation That Can Be Corrected by Individual Sighs. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 396-406.	5.6	40
156	The Tie2-agonist Vasculotide rescues mice from influenza virus infection. Scientific Reports, 2015, 5, 11030.	3.3	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. Anesthesiology, 2015, 122, 1338-1348.	2.5	59
159	Mechanical Ventilation Induces Neutrophil Extracellular Trap Formation. Anesthesiology, 2015, 122, 864-875.	2.5	72
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