Wolfgang M Kuebler

List of Publications by Year
in descending order

298	11,187	28190	43802
papers	citations	55 h-index	91 g-index

304	304	304	15066
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultra-High-Throughput Clinical Proteomics Reveals Classifiers of COVID-19 Infection. Cell Systems, 2020, 11, 11-24.e4.	2.9	439
2	Vitamin D Is a Regulator of Endothelial Nitric Oxide Synthase and Arterial Stiffness in Mice. Molecular Endocrinology, 2014, 28, 53-64.	3.7	204
3	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
4	Noninvasive Measurement of Regional Cerebral Blood Flow by Near-Infrared Spectroscopy and Indocyanine Green. Journal of Cerebral Blood Flow and Metabolism, 1998, 18, 445-456.	2.4	188
5	Hyperoxia-Induced Reactive Oxygen Species Formation in Pulmonary Capillary Endothelial CellsIn Situ. American Journal of Respiratory Cell and Molecular Biology, 2006, 34, 453-463.	1.4	177
6	Vascular Receptor Autoantibodies in Pulmonary Arterial Hypertension Associated with Systemic Sclerosis. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 808-817.	2.5	170
7	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
8	Alveolar dynamics in acute lung injury: Heterogeneous distension rather than cyclic opening and collapse*. Critical Care Medicine, 2009, 37, 2604-2611.	0.4	160
9	Mechanotransduction by TRP Channels: General Concepts and Specific Role in the Vasculature. Cell Biochemistry and Biophysics, 2010, 56, 1-18.	0.9	149
10	Intravital microscopy of the murine pulmonary microcirculation. Journal of Applied Physiology, 2008, 104, 338-346.	1.2	139
11	Hypoxic pulmonary vasoconstriction requires connexin 40â€“mediated endothelial signal conduction. Journal of Clinical Investigation, 2012, 122, 4218-4230.	3.9	134
12	Microparticles and acute lung injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 303, L364-L381.	1.3	129
13	Pressure is proinflammatory in lung venular capillaries. Journal of Clinical Investigation, 1999, 104, 495-502.	3.9	128
14	Negative-Feedback Loop Attenuates Hydrostatic Lung Edema via a cGMP-Dependent Regulation of Transient Receptor Potential Vanilloid 4. Circulation Research, 2008, 102, 966-974.	2.0	125
15	Complement activation induces excessive T cell cytotoxicity in severe COVID-19. Cell, 2022, 185, 493-512.e25.	13.5	122
16	Stretch Activates Nitric Oxide Production in Pulmonary Vascular Endothelial CellsIn Situ. American Journal of Respiratory and Critical Care Medicine, 2003, 168, 1391-1398.	2.5	111
17	Novel regulators of endothelial barrier function. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 307, L924-L935.	1.3	109
18	Angiotensin-(1â€“7) Protects From Experimental Acute Lung Injury. Critical Care Medicine, 2013, 41, e334-e343.	0.4	101

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19	Atrial Natriuretic Peptide Induces Mitogen-Activated Protein Kinase Phosphatase-1 in Human Endothelial Cells via Rac1 and NAD(P)H Oxidase/Nox2-Activation. Circulation Research, 2005, 96, 43-53.	2.0	98
20	Optimising experimental research in respiratory diseases: an ERS statement. European Respiratory Journal, 2018, 51, 1702133.	3.1	98
21	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.	1.4	95
22	Perivascular Inflammation in Pulmonary Arterial Hypertension. Cells, 2020, 9, 2338.	1.8	94
23	T regulatory cells and dendritic cells protect against transfusion-related acute lung injury via IL-10. Blood, 2017, 129, 2557-2569.	0.6	93
24	A novel signaling mechanism between gas and blood compartments of the lung. Journal of Clinical Investigation, 2000, 105, 905-913.	3.9	93
25	The Essential Autophagy Gene ATG7 Modulates Organ Fibrosis via Regulation of Endothelial-to-Mesenchymal Transition. Journal of Biological Chemistry, 2015, 290, 2547-2559.	1.6	87
26	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.	1.4	82
27	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
28	Inhaled Nitric Oxide Reduces Secondary Brain Damage after Traumatic Brain Injury in Mice. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 311-318.	2.4	81
29	Lung Endothelial Ca²⁺ 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
30	The MicroRNA-130/301 Family Controls Vasoconstriction in Pulmonary Hypertension. Journal of Biological Chemistry, 2015, 290, 2069-2085.	1.6	80
31	CFTR and sphingolipids mediate hypoxic pulmonary vasoconstriction. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1614-23.	3.3	80
32	Vascular Barrier Regulation by PAF, Ceramide, Caveolae, and NO - an Intricate Signaling Network with Discrepant Effects in the Pulmonary and Systemic Vasculature. Cellular Physiology and Biochemistry, 2010, 26, 29-40.	1.1	74
33	The effect of DMSA-functionalized magnetic nanoparticles on transendothelial migration of monocytes in the murine lung via a Î²2 integrin-dependent pathway. Biomaterials, 2010, 31, 366-374.	5.7	72
34	Mechanical Ventilation Induces Neutrophil Extracellular Trap Formation. Anesthesiology, 2015, 122, 864-875.	1.3	72
35	Intercostal muscle blood flow limitation in athletes during maximal exercise. Journal of Physiology, 2009, 587, 3665-3677.	1.3	70
36	Sildenafil Preserves Lung Endothelial Function and Prevents Pulmonary Vascular Remodeling in a Rat Model of Diastolic Heart Failure. Circulation: Heart Failure, 2011, 4, 198-206.	1.6	69

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37	The endothelium in hypoxic pulmonary vasoconstriction. Journal of Applied Physiology, 2017, 123, 1635-1646.	1.2	69
38	TRPV4â€"A Missing Link Between Mechanosensation and Immunity. Frontiers in Immunology, 2020, 11, 413.	2.2	69
39	Tissue Engineering of Autologous Human Heart Valves Using Cryopreserved Vascular Umbilical Cord Cells. Annals of Thoracic Surgery, 2006, 81, 2207-2216.	0.7	68
40	Inhaled nitric oxide versus aerosolized iloprost for the treatment of pulmonary hypertension with left heart disease*. Critical Care Medicine, 2009, 37, 980-986.	0.4	68
41	Novel pharmacological TRPC inhibitors block hypoxia-induced vasoconstriction. Cell Calcium, 2012, 51, 194-206.	1.1	68
42	Endotheliumâ€"platelet interactions in inflammatory lung disease. Vascular Pharmacology, 2008, 49, 141-150.	1.0	67
43	Mast cells promote lung vascular remodelling in pulmonary hypertension. European Respiratory Journal, 2011, 37, 1400-1410.	3.1	67
44	Identification and Validation of Larixyl Acetate as a Potent TRPC6 Inhibitor. Molecular Pharmacology, 2016, 89, 197-213.	1.0	67
45	Involvement of mast cells in monocrotaline-induced pulmonary hypertension in rats. Respiratory Research, 2011, 12, 60.	1.4	66
46	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
47	Pressure-induced endothelial Ca2+ oscillations in lung capillaries. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 282, L917-L923.	1.3	64
48	TRPV4: an exciting new target to promote alveolocapillary barrier function. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 307, L817-L821.	1.3	64
49	Does cellular sex matter? Dimorphic transcriptional differences between female and male endothelial cells. Atherosclerosis, 2015, 240, 61-72.	0.4	64
50	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
51	TRPV4: physiological role and therapeutic potential in respiratory diseases. Naunyn-Schmiedeberg's Archives of Pharmacology, 2015, 388, 421-436.	1.4	62
52	Real-time lung microscopy. Journal of Applied Physiology, 2007, 102, 1255-1264.	1.2	60
53	TRPV4 Is Required for Hypoxic Pulmonary Vasoconstriction. Anesthesiology, 2015, 122, 1338-1348.	1.3	59
54	Novel mechanisms regulating endothelial barrier function in the pulmonary microcirculation. Journal of Physiology, 2019, 597, 997-1021.	1.3	59

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55	Transbronchial mediastinal cryobiopsy in the diagnosis of mediastinal lesions: a randomised trial. European Respiratory Journal, 2021, 58, 2100055.	3.1	58
56	The Tie2-agonist Vasculotide rescues mice from influenza virus infection. Scientific Reports, 2015, 5, 11030.	1.6	57
57	The mast cellâ€“B cell axis in lung vascular remodeling and pulmonary hypertension. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L710-L721.	1.3	57
58	Lung Endothelial Dysfunction in Congestive Heart Failure. Circulation Research, 2010, 106, 1103-1116.	2.0	56
59	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
60	Inhalation of the Phosphodiesterase-3 Inhibitor Milrinone Attenuates Pulmonary Hypertension in a Rat Model of Congestive Heart Failure. Anesthesiology, 2007, 106, 124-131.	1.3	55
61	Adverse Heartâ€“Lung Interactions in Ventilator-induced Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 1411-1421.	2.5	55
62	Differential Regulation of Lung Endothelial Permeability <i>in Vitro</i> and <i>in Situ</i>. Cellular Physiology and Biochemistry, 2014, 34, 1-19.	1.1	54
63	Use of Human Umbilical Cord Blood-Derived Progenitor Cells for Tissue-Engineered Heart Valves. Annals of Thoracic Surgery, 2010, 89, 819-828.	0.7	53
64	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
65	Regional differences in tissue oxygenation during cardiopulmonary bypass for correction of congenital heart disease in neonates and small infants: Relevance of near-infrared spectroscopy. Journal of Thoracic and Cardiovascular Surgery, 2008, 136, 962-967.	0.4	52
66	Near-infrared spectroscopy and indocyanine green derived blood flow index for noninvasive measurement of muscle perfusion during exercise. Journal of Applied Physiology, 2010, 108, 962-967.	1.2	52
67	The pathophysiology of pulmonary hypertension in left heart disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L924-L941.	1.3	52
68	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.	2.5	52
69	The Marginated Pool. European Surgical Research, 2002, 34, 92-100.	0.6	51
70	Recipient T lymphocytes modulate the severity of antibody-mediated transfusion-related acute lung injury. Blood, 2010, 116, 3073-3079.	0.6	50
71	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
72	Activating Transcription Factor 3 Confers Protection against Ventilator-induced Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 489-500.	2.5	49

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73	Targeting Transfusion-Related Acute Lung Injury: The Journey From Basic Science to Novel Therapies. Critical Care Medicine, 2018, 46, e452-e458.	0.4	49
74	Evaluation of PEEP and prone positioning in early COVID-19 ARDS. EClinicalMedicine, 2020, 28, 100579.	3.2	49
75	Human Neutrophil Peptides Mediate Endothelial-Monocyte Interaction, Foam Cell Formation, and Platelet Activation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2070-2079.	1.1	48
76	Extracellular vesicles in lung health, disease, and therapy. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L977-L989.	1.3	48
77	Platelet-activating factor reduces endothelial nitric oxide production: role of acid sphingomyelinase. European Respiratory Journal, 2010, 36, 417-427.	3.1	46
78	Transient Receptor Potential Vanilloid 4 and Serum Glucocorticoidâ€“regulated Kinase 1 Are Critical Mediators of Lung Injury in Overventilated MiceIn Vivo. Anesthesiology, 2017, 126, 300-311.	1.3	46
79	Impaired lung repair during neutropenia can be reverted by matrix metalloproteinase-9. Thorax, 2018, 73, 321-330.	2.7	44
80	The hallmarks of severe pulmonary arterial hypertension: the cancer hypothesisâ€”ten years later. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L1115-L1130.	1.3	44
81	Nitric oxide-dependent inhibition of alveolar fluid clearance in hydrostatic lung edema. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 293, L859-L869.	1.3	43
82	Improved resolution in extracellular vesicle populations using 405Âinstead of 488Ânm side scatter. Journal of Extracellular Vesicles, 2018, 7, 1454776.	5.5	43
83	Platelet extracellular vesicles mediate transfusion-related acute lung injury by imbalancing the sphingolipid rheostat. Blood, 2021, 137, 690-701.	0.6	43
84	Carvedilol improves biventricular fibrosis and function in experimental pulmonary hypertension. Journal of Molecular Medicine, 2015, 93, 663-674.	1.7	42
85	Pneumonia treatment by photodynamic therapy with extracorporeal illumination â€•an experimental model. Physiological Reports, 2017, 5, e13190.	0.7	42
86	Inflammation and autoimmunity in pulmonary hypertension: is there a role for endothelial adhesion molecules? (2017 Grover Conference Series). Pulmonary Circulation, 2018, 8, 1-13.	0.8	41
87	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.	2.5	40
88	Plasma mediators in patients with severe COVID-19 cause lung endothelial barrier failure. European Respiratory Journal, 2021, 57, 2002384.	3.1	40
89	The prostaglandins epoprostenol and iloprost increase left ventricular contractility in vivo. Intensive Care Medicine, 2003, 29, 1574-1583.	3.9	39
90	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

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91	Adhesion Molecules: Master Controllers of the Circulatory System. , 2016, 6, 945-973.		39
92	Abrupt Deflation after Sustained Inflation Causes Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 1165-1176.	2.5	39
93	Selectins revisited: the emerging role of platelets in inflammatory lung disease. Journal of Clinical Investigation, 2006, 116, 3106-3108.	3.9	39
94	Endothelial Cell Regulation of Pulmonary Vascular Tone, Inflammation, and Coagulation. , 2015, 5, 531-559.		38
95	Protective function of DJ-1/PARK7 in lipopolysaccharide and ventilator-induced acute lung injury. Redox Biology, 2021, 38, 101796.	3.9	37
96	Comparison of two in vivo microscopy techniques to visualize alveolar mechanics. Journal of Clinical Monitoring and Computing, 2009, 23, 323-332.	0.7	36
97	Precapillary Oxygenation Contributes Relevantly to Gas Exchange in the Intact Lung. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 474-481.	2.5	36
98	Coagulation factor XII regulates inflammatory responses in human lungs. Thrombosis and Haemostasis, 2017, 117, 1896-1907.	1.8	36
99	Cytokine-Regulation of Na+-K+-Clâ^' Cotransporter 1 and Cystic Fibrosis Transmembrane Conductance Regulatorâ€"Potential Role in Pulmonary Inflammation and Edema Formation. Frontiers in Immunology, 2017, 8, 393.	2.2	36
100	SARS-CoV-2 may hijack GPCR signaling pathways to dysregulate lung ion and fluid transport. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L430-L435.	1.3	36
101	The oxygen dissociation curve of blood in COVID-19. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L349-L357.	1.3	36
102	Î± v Î² 3 Integrin Induces Tyrosine Phosphorylationâ€"Dependent Ca 2+ Influx in Pulmonary Endothelial Cells. Circulation Research, 2000, 86, 456-462.	2.0	35
103	Knee extensor fatigability after bedrest for 8 weeks with and without countermeasure. Muscle and Nerve, 2007, 36, 798-806.	1.0	35
104	Altered fibrin clot structure and dysregulated fibrinolysis contribute toÂthrombosis risk in severe COVID-19. Blood Advances, 2022, 6, 1074-1087.	2.5	35
105	Relevance of depth resolution for cerebral blood flow monitoring by near-infrared spectroscopic bolus tracking during cardiopulmonary bypass. Journal of Thoracic and Cardiovascular Surgery, 2006, 132, 1172-1178.	0.4	34
106	Alveolar dynamics during mechanical ventilation in the healthy and injured lung. Intensive Care Medicine Experimental, 2019, 7, 34.	0.9	32
107	On Top of the Alveolar Epithelium: Surfactant and the Glycocalyx. International Journal of Molecular Sciences, 2020, 21, 3075.	1.8	32
108	Influenza-Induced Priming and Leak of Human Lung Microvascular Endothelium upon Exposure to Staphylococcus aureus. American Journal of Respiratory Cell and Molecular Biology, 2015, 53, 459-470.	1.4	31

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109	Intra-vital imaging of mesenchymal stromal cell kinetics in the pulmonary vasculature during infection. Scientific Reports, 2021, 11, 5265.	1.6	31
110	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
111	Functional transient receptor potential vanilloid 1 and transient receptor potential vanilloid 4 channels along different segments of the renal vasculature. Acta Physiologica, 2015, 213, 481-491.	1.8	30
112	Pulmonary hypertension due to left heart disease: Updated Recommendations of the Cologne Consensus Conference 2011. International Journal of Cardiology, 2011, 154, S34-S44.	0.8	29
113	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.	1.3	29
114	Doseâ€Dependent, Therapeutic Potential of Angiotensinâ€(1â€“7) for the Treatment of Pulmonary Arterial Hypertension. Pulmonary Circulation, 2015, 5, 649-657.	0.8	28
115	Therapeutic time window for angiotensinâ€(1â€“7) in acute lung injury. British Journal of Pharmacology, 2016, 173, 1618-1628.	2.7	28
116	Animal models of sarcoidosis. Cell and Tissue Research, 2017, 367, 651-661.	1.5	28
117	Oestrogen-mediated upregulation of the Mas receptor contributes to sex differences in acute lung injury and lung vascular barrier regulation. European Respiratory Journal, 2021, 57, 2000921.	3.1	28
118	Connexin 40 regulates lung endothelial permeability in acute lung injury via the ROCK1-MYPT1- MLC20 pathway. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L35-L44.	1.3	27
119	Point-of-care lung ultrasound in COVID-19 patients: inter- and intra-observer agreement in a prospective observational study. Scientific Reports, 2021, 11, 10678.	1.6	27
120	Mechanical ventilation causes airway distension with proinflammatory sequelae in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 307, L27-L37.	1.3	26
121	Acid sphingomyelinase mediates murine acute lung injury following transfusion of aged platelets. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L625-L637.	1.3	26
122	What mediates the effects of thrombospondin-1 in pulmonary hypertension? New evidence for a dual-pronged role of CD47. Cardiovascular Research, 2017, 113, 3-5.	1.8	26
123	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.	1.3	26
124	Pathobiology, pathology and genetics of pulmonary hypertension: Update from the Cologne Consensus Conference 2018. International Journal of Cardiology, 2018, 272, 4-10.	0.8	26
125	Transfusion-related Acute Lung Injury in the Perioperative Patient. Anesthesiology, 2019, 131, 693-715.	1.3	26
126	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

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127	Î±_{1G}T-type calcium channel selectively regulates P-selectin surface expression in pulmonary capillary endothelium. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2010, 299, L86-L97.	1.3	25
128	Dynamic alveolar mechanics in acute lung injury. Critical Care Medicine, 2010, 38, 345.	0.4	24
129	Theoretical modeling of the interaction between alveoli during inflation and deflation in normal and diseased lungs. Journal of Biomechanics, 2010, 43, 1202-1207.	0.9	24
130	Alveolar epithelial glycocalyx degradation mediates surfactant dysfunction and contributes to acute respiratory distress syndrome. JCI Insight, 2022, 7, .	2.3	24
131	Inhaled milrinone attenuates experimental acute lung injury. Intensive Care Medicine, 2009, 35, 171-178.	3.9	23
132	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.	1.3	23
133	Characterization of Myocardial Microstructure and Function in an Experimental Model of Isolated Subendocardial Damage. Hypertension, 2019, 74, 295-304.	1.3	23
134	Hot topics in the mechanisms of pulmonary arterial hypertension disease: cancerâ€like pathobiology, the role of the adventitia, systemic involvement, and right ventricular failure. Pulmonary Circulation, 2019, 9, 1-15.	0.8	23
135	Cardiovascular sequelae of pneumonia. Current Opinion in Pulmonary Medicine, 2019, 25, 257-262.	1.2	23
136	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
137	Endothelial-specific deletion of autophagy-related 7 (ATG7) attenuates arterial thrombosis in mice. Journal of Thoracic and Cardiovascular Surgery, 2017, 154, 978-988.e1.	0.4	22
138	Experimental Right Ventricular Hypertension Induces Regional Î²1â€Integrinâ€“Mediated Transduction of Hypertrophic and Profibrotic Right and Left Ventricular Signaling. Journal of the American Heart Association, 2018, 7, .	1.6	22
139	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
140	Significance of Mast Cell Formed Extracellular Traps in Microbial Defense. Clinical Reviews in Allergy and Immunology, 2022, 62, 160-179.	2.9	22
141	Evaluation of a commercial multi-dimensional echocardiography technique for ventricular volumetry in small animals. Cardiovascular Ultrasound, 2018, 16, 10.	0.5	21
142	Therapeutic Targeting of High-Mobility Group Box-1 in Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 1566-1569.	2.5	21
143	Towards Whole-Body Fluorescence Imaging in Humans. PLoS ONE, 2013, 8, e83749.	1.1	20
144	Coalescent angiogenesisâ€"evidence for a novel concept of vascular network maturation. Angiogenesis, 2022, 25, 35-45.	3.7	20

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145	Key benefits of dexamethasone and antibody treatment in COVID-19 hamster models revealed by single-cell transcriptomics. Molecular Therapy, 2022, 30, 1952-1965.	3.7	20
146	Detection of Lower Torso Ischemia by Near-Infrared Spectroscopy During Cardiopulmonary Bypass in a 6.8-Kg Infant With Complex Aortic Anatomy. Annals of Thoracic Surgery, 2006, 82, 323-325.	0.7	19
147	Virtual four-dimensional imaging of lung parenchyma by optical coherence tomography in mice. Journal of Biomedical Optics, 2010, 15, 036016.	1.4	19
148	Inhalation of NO during myocardial ischemia reduces infarct size and improves cardiac function. Intensive Care Medicine, 2012, 38, 1381-1391.	3.9	19
149	Lung Ultrasound and Microbubbles Enhance Aminoglycoside Efficacy and Delivery to the Lung in Escherichia coliâ€“induced Pneumonia and Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 404-408.	2.5	19
150	How NIR is the future in blood flow monitoring?. Journal of Applied Physiology, 2008, 104, 905-906.	1.2	18
151	4-Aminopyridine Restores Impaired Hypoxic Pulmonary Vasoconstriction in Endotoxemic Mice. Anesthesiology, 2007, 107, 597-604.	1.3	18
152	Leukocyte Sequestration in Pulmonary Microvessels and Lung Injury following Systemic Complement Activation in Rabbits. Journal of Vascular Research, 1999, 36, 289-298.	0.6	17
153	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
154	Is basic science disappearing from medicine? The decline of biomedical research in the medical literature. FASEB Journal, 2016, 30, 515-518.	0.2	17
155	Transient Receptor Potential Vanilloid 4 Channel Deficiency Aggravates Tubular Damage after Acute Renal Ischaemia Reperfusion. Scientific Reports, 2018, 8, 4878.	1.6	17
156	Effects of tirofiban on hemostatic activation and inflammatory response during cardiopulmonary bypass. American Journal of Cardiology, 2003, 91, 346-347.	0.7	16
157	Real-Time Imaging Assessment of Pulmonary Vascular Responses. Proceedings of the American Thoracic Society, 2011, 8, 458-465.	3.5	16
158	The Janus-faced regulation of endothelial permeability by cyclic GMP. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 301, L157-L160.	1.3	16
159	Sphingosine Kinase 1 Regulates Inflammation and Contributes to Acute Lung Injury in Pneumococcal Pneumonia via the Sphingosine-1-Phosphate Receptor 2. Critical Care Medicine, 2018, 46, e258-e267.	0.4	16
160	Bacterial Membrane Vesicles in Pneumonia: From Mediators of Virulence to Innovative Vaccine Candidates. International Journal of Molecular Sciences, 2021, 22, 3858.	1.8	16
161	Spleen tyrosine kinase inhibition blocks airway constriction and protects from Th2â€induced airway inflammation and remodeling. Allergy: European Journal of Allergy and Clinical Immunology, 2017, 72, 1061-1072.	2.7	15
162	Coronary Microcirculation in Ischemic Heart Disease. Current Pharmaceutical Design, 2018, 24, 2893-2899.	0.9	15

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163	Lung Purinoceptor Activation Triggers Ventilator-Induced Brain Injury. Critical Care Medicine, 2019, 47, e911-e918.	0.4	15
164	Absence of the calcium-binding protein, S100A1, confers pulmonary hypertension in mice associated with endothelial dysfunction and apoptosis. Cardiovascular Research, 2015, 105, 8-19.	1.8	14
165	Left ventricular dysfunction in heart failure with preserved ejection fractionâ€"molecular mechanisms and impact on right ventricular function. Cardiovascular Diagnosis and Therapy, 2020, 10, 1541-1560.	0.7	14
166	Shedding First Light on the Alveolar Epithelial Glycocalyx. American Journal of Respiratory Cell and Molecular Biology, 2018, 59, 283-284.	1.4	13
167	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.	1.3	13
168	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
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