Patricia R M Rocco

List of Publications by Year
in descending order

439 papers	12,318 citations	31902 53 h-index	64668 79 g-index
452 all docs	452 docs citations	452 times ranked	12679 citing authors

#	Article	IF	Citations
1	Intraoperative Protective Mechanical Ventilation for Prevention of Postoperative Pulmonary Complications. Anesthesiology, 2015, 123, 692-713.	1.3	319
2	Multiple organ dysfunction in SARS-CoV-2: MODS-CoV-2. Expert Review of Respiratory Medicine, 2020, 14, 865-868.	1.0	196
3	Current status of cell-based therapies for respiratory virus infections: applicability to COVID-19. European Respiratory Journal, 2020, 55, 2000858.	3.1	193
4	Systemic Administration of Human Bone Marrow-Derived Mesenchymal Stromal Cell Extracellular Vesicles Ameliorates <i>Aspergillus</i> Hyphal Extract-Induced Allergic Airway Inflammation in Immunocompetent Mice. Stem Cells Translational Medicine, 2015, 4, 1302-1316.	1.6	191
5	Lung Tissue Mechanics and Extracellular Matrix Remodeling in Acute Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2001, 164, 1067-1071.	2.5	155
6	Pulmonary and extrapulmonary acute lung injury: inflammatory and ultrastructural analyses. Journal of Applied Physiology, 2005, 98, 1777-1783.	1.2	149
7	Effects of different mesenchymal stromal cell sources and delivery routes in experimental emphysema. Respiratory Research, 2014, 15, 118.	1.4	141
8	Static and Dynamic Contributors to Ventilator-induced Lung Injury in Clinical Practice. Pressure, Energy, and Power. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 767-774.	2.5	135
9	Distinct phenotypes require distinct respiratory management strategies in severe COVID-19. Respiratory Physiology and Neurobiology, 2020, 279, 103455.	0.7	129
10	Anti-inflammatory properties of anesthetic agents. Critical Care, 2017, 21, 67.	2.5	119
11	Early use of nitazoxanide in mild COVID-19 disease: randomised, placebo-controlled trial. European Respiratory Journal, 2021, 58, 2003725.	3.1	117
12	Pathogenesis of Multiple Organ Injury in COVID-19 and Potential Therapeutic Strategies. Frontiers in Physiology, 2021, 12, 593223.	1.3	113
13	Human adipose tissue mesenchymal stromal cells and their extracellular vesicles act differentially on lung mechanics and inflammation in experimental allergic asthma. Stem Cell Research and Therapy, 2017, 8, 151.	2.4	110
14	FAS Ligand Triggers Pulmonary Silicosis. Journal of Experimental Medicine, 2001, 194, 155-164.	4.2	106
15	The potential of mesenchymal stem cell therapy for chronic lung disease. Expert Review of Respiratory Medicine, 2020, 14, 31-39.	1.0	106
16	Effects of mechanical ventilation on the extracellular matrix. Intensive Care Medicine, 2008, 34, 631-639.	3.9	100
17	Extracellular vesicles derived from mesenchymal stromal cells: a therapeutic option in respiratory diseases?. Stem Cell Research and Therapy, 2016, 7, 53.	2.4	98
18	Immunomodulation after ischemic stroke: potential mechanisms and implications for therapy. Critical Care, 2016, 20, 391.	2.5	97

#	Article	IF	Citations
19	Personalized mechanical ventilation in acute respiratory distress syndrome. Critical Care, 2021, 25, 250.	2.5	97
20	Recruitment maneuver in pulmonary and extrapulmonary experimental acute lung injury. Critical Care Medicine, 2008, 36, 1900-1908.	0.4	96
21	Strategies to improve the therapeutic effects of mesenchymal stromal cells in respiratory diseases. Stem Cell Research and Therapy, 2018, 9, 45.	2.4	95
22	Effect of Corticosteroid on Lung Parenchyma Remodeling at an Early Phase of Acute Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2003, 168, 677-684.	2.5	94
23	Time course of lung parenchyma remodeling in pulmonary and extrapulmonary acute lung injury. Journal of Applied Physiology, 2006, 100, 98-106.	1.2	92
24	Bench-to-bedside review: the role of glycosaminoglycans in respiratory disease. Critical Care, 2006, 10, 237.	2.5	89
25	Lung Parenchyma Remodeling in a Murine Model of Chronic Allergic Inflammation. American Journal of Respiratory and Critical Care Medicine, 2005, 171, 829-837.	2.5	88
26	Comparative Effects of Volutrauma and Atelectrauma on Lung Inflammation in Experimental Acute Respiratory Distress Syndrome. Critical Care Medicine, 2016, 44, e854-e865.	0.4	87
27	Positive end-expiratory pressure prevents lung mechanical stress caused by recruitment/derecruitment. Journal of Applied Physiology, 2005, 98, 53-61.	1.2	84
28	Cannabidiol reduces airway inflammation and fibrosis in experimental allergic asthma. European Journal of Pharmacology, 2019, 843, 251-259.	1.7	84
29	<scp>A</scp>ngiotensinâ€(1â€7) attenuates airway remodelling and hyperresponsiveness in a model of chronic allergic lung inflammation. British Journal of Pharmacology, 2015, 172, 2330-2342.	2.7	81
30	Current understanding of the immunosuppressive properties of mesenchymal stromal cells. Journal of Molecular Medicine, 2019, 97, 605-618.	1.7	81
31	Pros and cons of corticosteroid therapy for COVID-19 patients. Respiratory Physiology and Neurobiology, 2020, 280, 103492.	0.7	80
32	Elastase-induced pulmonary emphysema: insights from experimental models. Anais Da Academia Brasileira De Ciencias, 2011, 83, 1385-1396.	0.3	79
33	Brainâ€"heart interaction after acute ischemic stroke. Critical Care, 2020, 24, 163.	2.5	77
34	Power to mechanical power to minimize ventilator-induced lung injury?. Intensive Care Medicine Experimental, 2019, 7, 38.	0.9	75
35	Bone Marrow, Adipose, and Lung Tissue-Derived Murine Mesenchymal Stromal Cells Release Different Mediators and Differentially Affect Airway and Lung Parenchyma in Experimental Asthma. Stem Cells Translational Medicine, 2017, 6, 1557-1567.	1.6	74
36	Mesenchymal Stem Cell Trials for Pulmonary Diseases. Journal of Cellular Biochemistry, 2014, 115, 1023-1032.	1.2	73

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37	Pulmonary and extrapulmonary acute respiratory distress syndrome: are they different?. Current Opinion in Critical Care, 2005, 11, 10-17.	1.6	71
38	Freshly Thawed and Continuously Cultured Human Bone Marrow-Derived Mesenchymal Stromal Cells Comparably Ameliorate Allergic Airways Inflammation in Immunocompetent Mice. Stem Cells Translational Medicine, 2015, 4, 615-624.	1.6	71
39	Laboratory Biomarkers for Diagnosis and Prognosis in COVID-19. Frontiers in Immunology, 2022, 13, 857573.	2.2	70
40	Methylprednisolone improves lung mechanics and reduces the inflammatory response in pulmonary but not in extrapulmonary mild acute lung injury in mice*. Critical Care Medicine, 2008, 36, 2621-2628.	0.4	69
41	Combined Bone Marrow-Derived Mesenchymal Stromal Cell Therapy and One-Way Endobronchial Valve Placement in Patients with Pulmonary Emphysema: A Phase I Clinical Trial. Stem Cells Translational Medicine, 2017, 6, 962-969.	1.6	68
42	Close down the lungs and keep them resting to minimize ventilator-induced lung injury. Critical Care, 2018, 22, 72.	2.5	67
43	Pulmonary and extrapulmonary acute respiratory distress syndrome: myth or reality?. Current Opinion in Critical Care, 2008, 14, 50-55.	1.6	65
44	Apoptosis Underlies Immunopathogenic Mechanisms in Acute Silicosis. American Journal of Respiratory Cell and Molecular Biology, 2002, 27, 78-84.	1.4	64
45	Noninvasive respiratory support and patient self-inflicted lung injury in COVID-19: a narrative review. British Journal of Anaesthesia, 2021, 127, 353-364.	1.5	64
46	Gut Microbiota in Acute Ischemic Stroke: From Pathophysiology to Therapeutic Implications. Frontiers in Neurology, 2020, 11, 598.	1.1	62
47	Mechanisms of cellular therapy in respiratory diseases. Intensive Care Medicine, 2011, 37, 1421-1431.	3.9	61
48	Bone marrow-derived mononuclear cell therapy in experimental pulmonary and extrapulmonary acute lung injury. Critical Care Medicine, 2010, 38, 1733-1741.	0.4	60
49	Biological Impact of Transpulmonary Driving Pressure in Experimental Acute Respiratory Distress Syndrome. Anesthesiology, 2015, 123, 423-433.	1.3	60
50	The lung and the brain: a dangerous cross-talk. Critical Care, 2011, 15, 168.	2.5	59
51	Mesenchymal Stem Cells From Bone Marrow, Adipose Tissue, and Lung Tissue Differentially Mitigate Lung and Distal Organ Damage in Experimental Acute Respiratory Distress Syndrome*. Critical Care Medicine, 2018, 46, e132-e140.	0.4	59
52	Computed tomography assessment of PEEP-induced alveolar recruitment in patients with severe COVID-19 pneumonia. Critical Care, 2021, 25, 81.	2.5	59
53	Effects of Mesenchymal Stem Cell Therapy on the Time Course of Pulmonary Remodeling Depend on the Etiology of Lung Injury in Mice. Critical Care Medicine, 2013, 41, e319-e333.	0.4	58
54	Dasatinib Reduces Lung Inflammation and Fibrosis in Acute Experimental Silicosis. PLoS ONE, 2016, 11, e0147005.	1.1	58

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55	Mechanical ventilation in patients with acute ischaemic stroke: from pathophysiology to clinical practice. Critical Care, 2019, 23, 388.	2.5	57
56	Glucocorticoid Treatment in Acute Lung Injury and AcuteÂRespiratory Distress Syndrome. Critical Care Clinics, 2011, 27, 589-607.	1.0	56
57	Current understanding of the therapeutic benefits of mesenchymal stem cells in acute respiratory distress syndrome. Cell Biology and Toxicology, 2020, 36, 83-102.	2.4	56
58	Effects of microcystin-LR on mouse lungs. Toxicon, 2007, 50, 330-338.	0.8	55
59	DJ-1/PARK7 Impairs Bacterial Clearance in Sepsis. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 889-905.	2.5	55
60	Lung parenchyma remodeling in acute respiratory distress syndrome. Minerva Anestesiologica, 2009, 75, 730-40.	0.6	55
61	Lung tissue mechanics and extracellular matrix composition in a murine model of silicosis. Journal of Applied Physiology, 2001, 90, 1400-1406.	1.2	54
62	New perspectives in nanotherapeutics for chronic respiratory diseases. Biophysical Reviews, 2017, 9, 793-803.	1.5	54
63	The extracellular matrix of the lung and its role in edema formation. Anais Da Academia Brasileira De Ciencias, 2007, 79, 285-297.	0.3	52
64	Pathophysiology of ventilator-associated lung injury. Current Opinion in Anaesthesiology, 2012, 25, 123-130.	0.9	52
65	Bosutinib Therapy Ameliorates Lung Inflammation and Fibrosis in Experimental Silicosis. Frontiers in Physiology, 2017, 8, 159.	1.3	52
66	Mesenchymal stromal cell therapy reduces lung inflammation and vascular remodeling and improves hemodynamics in experimental pulmonary arterial hypertension. Stem Cell Research and Therapy, 2017, 8, 220.	2.4	52
67	Focal ischemic stroke leads to lung injury and reduces alveolar macrophage phagocytic capability in rats. Critical Care, 2018, 22, 249.	2.5	52
68	Emerging pharmacological therapies for ARDS: COVID-19 and beyond. Intensive Care Medicine, 2020, 46, 2265-2283.	3.9	52
69	Chest wall mechanics and abdominal pressure during general anaesthesia in normal and obese individuals and in acute lung injury. Current Opinion in Critical Care, 2011, 17, 72-79.	1.6	51
70	Bone marrow-derived mononuclear cell therapy attenuates silica-induced lung fibrosis. European Respiratory Journal, 2011, 37, 1217-1225.	3.1	51
71	DNA nanoparticle-mediated thymulin gene therapy prevents airway remodeling in experimental allergic asthma. Journal of Controlled Release, 2014, 180, 125-133.	4.8	51
72	Biologic Impact of Mechanical Power at High and Low Tidal Volumes in Experimental Mild Acute Respiratory Distress Syndrome. Anesthesiology, 2018, 128, 1193-1206.	1.3	51

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73	Mesenchymal Stromal Cell-Derived Extracellular Vesicles in Lung Diseases: Current Status and Perspectives. Frontiers in Cell and Developmental Biology, 2021, 9, 600711.	1.8	51
74	Therapeutic potential of a new phosphodiesterase inhibitor in acute lung injury. European Respiratory Journal, 2003, 22, 20-27.	3.1	50
75	Intravenous glutamine decreases lung and distal organ injury in an experimental model of abdominal sepsis. Critical Care, 2009, 13, R74.	2.5	50
76	Recruitment Maneuvers Modulate Epithelial and Endothelial Cell Response According to Acute Lung Injury Etiology*. Critical Care Medicine, 2013, 41, e256-e265.	0.4	50
77	Bone Marrowâ€"Derived Mononuclear Cell Therapy Accelerates Renal Ischemia-Reperfusion Injury Recovery by Modulating Inflammatory, Antioxidant and Apoptotic Related Molecules. Cellular Physiology and Biochemistry, 2017, 41, 1736-1752.	1.1	50
78	Effects of frequency and inspiratory plateau pressure during recruitment manoeuvres on lung and distal organs in acute lung injury. Intensive Care Medicine, 2009, 35, 1120-1128.	3.9	47
79	Recruitment maneuver in experimental acute lung injury: The role of alveolar collapse and edema. Critical Care Medicine, 2010, 38, 2207-2214.	0.4	47
80	Assisted ventilation modes reduce the expression of lung inflammatory and fibrogenic mediators in a model of mild acute lung injury. Intensive Care Medicine, 2010, 36, 1417-1426.	3.9	47
81	Mesenchymal Stromal Cells Are More Effective Than Their Extracellular Vesicles at Reducing Lung Injury Regardless of Acute Respiratory Distress Syndrome Etiology. Stem Cells International, 2019, 2019, 1-15.	1.2	47
82	Protective effects of bone marrow mononuclear cell therapy on lung and heart in an elastase-induced emphysema model. Respiratory Physiology and Neurobiology, 2012, 182, 26-36.	0.7	46
83	Bone marrow-derived mononuclear cells vs. mesenchymal stromal cells in experimental allergic asthma. Respiratory Physiology and Neurobiology, 2013, 187, 190-198.	0.7	46
84	Neurological Manifestations of Severe SARS-CoV-2 Infection: Potential Mechanisms and Implications of Individualized Mechanical Ventilation Settings. Frontiers in Neurology, 2020, 11, 845.	1.1	46
85	Mechanisms of ventilator-induced lung injury in healthy lungs. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2015, 29, 301-313.	1.7	45
86	Early effects of ventilatory rescue therapies on systemic and cerebral oxygenation in mechanically ventilated COVID-19 patients with acute respiratory distress syndrome: a prospective observational study. Critical Care, 2021, 25, 111.	2.5	45
87	Understanding the mechanisms of lung mechanical stress. Brazilian Journal of Medical and Biological Research, 2006, 39, 697-706.	0.7	44
88	Pulmonary lesion induced by low and high positive end-expiratory pressure levels during protective ventilation in experimental acute lung injury. Critical Care Medicine, 2009, 37, 1011-1017.	0.4	44
89	New and conventional strategies for lung recruitment in acute respiratory distress syndrome. Critical Care, 2010, 14, 210.	2.5	44
90	Recruitment maneuvers in acute respiratory distress syndrome: The safe way is the best way. World Journal of Critical Care Medicine, 2015, 4, 278.	0.8	44

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91	Magnetic targeting as a strategy to enhance therapeutic effects of mesenchymal stromal cells. Stem Cell Research and Therapy, 2017, 8, 58.	2.4	44
92	Therapeutic effects of adipose-tissue-derived mesenchymal stromal cells and their extracellular vesicles in experimental silicosis. Respiratory Research, 2018, 19, 104.	1.4	44
93	Lung Mechanics and Histology During Sevoflurane Anesthesia in a Model of Chronic Allergic Asthma. Anesthesia and Analgesia, 2007, 104, 631-637.	1.1	43
94	Chest physiotherapy: An important adjuvant in critically ill mechanically ventilated patients with COVID-19. Respiratory Physiology and Neurobiology, 2020, 282, 103529.	0.7	43
95	Hypervolemia induces and potentiates lung damage after recruitment maneuver in a model of sepsis-induced acute lung injury. Critical Care, 2010, 14, R114.	2.5	41
96	Ventilator-induced lung injury during controlled ventilation in patients with acute respiratory distress syndrome: less is probably better. Expert Review of Respiratory Medicine, 2018, 12, 403-414.	1.0	41
97	Effects of chronic <scp>l</scp>-NAME treatment lung tissue mechanics, eosinophilic and extracellular matrix responses induced by chronic pulmonary inflammation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 294, L1197-L1205.	1.3	40
98	Understanding the mechanisms of glutamine action in critically ill patients. Anais Da Academia Brasileira De Ciencias, 2010, 82, 417-430.	0.3	40
99	Sex-specific lung remodeling and inflammation changes in experimental allergic asthma. Journal of Applied Physiology, 2010, 109, 855-863.	1.2	40
100	Impact of pressure profile and duration of recruitment maneuvers on morphofunctional and biochemical variables in experimental lung injury*. Critical Care Medicine, 2011, 39, 1074-1081.	0.4	40
101	Year in review in Intensive Care Medicine 2011. II. Cardiovascular, infections, pneumonia and sepsis, critical care organization and outcome, education, ultrasonography, metabolism and coagulation. Intensive Care Medicine, 2012, 38, 345-358.	3.9	40
102	The tyrosine kinase inhibitor dasatinib reduces lung inflammation and remodelling in experimental allergic asthma. British Journal of Pharmacology, 2016, 173, 1236-1247.	2.7	40
103	Mesenchymal stromal cell therapy in COPD: from bench to bedside. International Journal of COPD, 2017, Volume 12, 3017-3027.	0.9	40
104	Serum from Asthmatic Mice Potentiates the Therapeutic Effects of Mesenchymal Stromal Cells in Experimental Allergic Asthma. Stem Cells Translational Medicine, 2019, 8, 301-312.	1.6	40
105	Stem-cell extracellular vesicles and lung repair. Stem Cell Investigation, 2017, 4, 78-78.	1.3	39
106	The basics of respiratory mechanics: ventilator-derived parameters. Annals of Translational Medicine, 2018, 6, 376-376.	0.7	39
107	Lung distribution of gas and blood volume in critically ill COVID-19 patients: a quantitative dual-energy computed tomography study. Critical Care, 2021, 25, 214.	2.5	39
108	Regular and moderate exercise before experimental sepsis reduces the risk of lung and distal organ injury. Journal of Applied Physiology, 2012, 112, 1206-1214.	1.2	38

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109	Comparison of different degrees of variability in tidal volume to prevent deterioration of respiratory system elastance in experimental acute lung inflammation. British Journal of Anaesthesia, 2016, 116, 708-715.	1.5	38
110	What increases type III procollagen mRNA levels in lung tissue: stress induced by changes in force or amplitude?. Respiratory Physiology and Neurobiology, 2004, 144, 59-70.	0.7	37
111	Pros and cons of recruitment maneuvers in acute lung injury and acute respiratory distress syndrome. Expert Review of Respiratory Medicine, 2010, 4, 479-489.	1.0	37
112	IL-13 Immunotoxin Accelerates Resolution of Lung Pathological Changes Triggered by Silica Particles in Mice. Journal of Immunology, 2013, 191, 5220-5229.	0.4	37
113	Effects of Rho-kinase inhibition in lung tissue with chronic inflammation. Respiratory Physiology and Neurobiology, 2014, 192, 134-146.	0.7	37
114	ATF3 Protects Pulmonary Resident Cells from Acute and Ventilator-Induced Lung Injury by Preventing Nrf2 Degradation. Antioxidants and Redox Signaling, 2015, 22, 651-668.	2.5	37
115	Protective function of DJ-1/PARK7 in lipopolysaccharide and ventilator-induced acute lung injury. Redox Biology, 2021, 38, 101796.	3.9	37
116	Use of computed tomography scanning to guide lung recruitment and adjust positive-end expiratory pressure. Current Opinion in Critical Care, 2011, 17, 268-274.	1.6	36
117	Repeated Administration of Bone Marrow-Derived Cells Prevents Disease Progression in Experimental Silicosis. Cellular Physiology and Biochemistry, 2013, 32, 1681-1694.	1.1	36
118	Characterization of a Mouse Model of Emphysema Induced by Multiple Instillations of Low-Dose Elastase. Frontiers in Physiology, 2016, 7, 457.	1.3	36
119	Impact of Different Tidal Volume Levels at Low Mechanical Power on Ventilator-Induced Lung Injury in Rats. Frontiers in Physiology, 2018, 9, 318.	1.3	36
120	Eicosapentaenoic Acid Enhances the Effects of Mesenchymal Stromal Cell Therapy in Experimental Allergic Asthma. Frontiers in Immunology, 2018, 9, 1147.	2.2	36
121	Lung inflammatory environments differentially alter mesenchymal stromal cell behavior. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 317, L823-L831.	1.3	36
122	Neurological Complications and Noninvasive Multimodal Neuromonitoring in Critically Ill Mechanically Ventilated COVID-19 Patients. Frontiers in Neurology, 2020, 11, 602114.	1.1	36
123	Mesenchymal stromal (stem) cell therapy modulates miR-193b-5p expression to attenuate sepsis-induced acute lung injury. European Respiratory Journal, 2022, 59, 2004216.	3.1	36
124	Airway closure: the silent killer of peripheral airways. Critical Care, 2007, 11, 114.	2.5	35
125	Nanoparticle-based therapy for respiratory diseases. Anais Da Academia Brasileira De Ciencias, 2013, 85, 137-146.	0.3	35
126	Ventilator-Associated Lung Injury during Assisted Mechanical Ventilation. Seminars in Respiratory and Critical Care Medicine, 2014, 35, 409-417.	0.8	35

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127	Cell-based therapies for coronavirus disease 2019: proper clinical investigations are essential. Cytotherapy, 2020, 22, 602-605.	0.3	35
128	Comparison of rat and mouse pulmonary tissue mechanical properties and histology. Journal of Applied Physiology, 2002, 92, 230-234.	1.2	34
129	Pulmonary morphofunctional effects of mechanical ventilation with high inspiratory air flow. Critical Care Medicine, 2008, 36, 232-239.	0.4	34
130	Prolonged recruitment manoeuvre improves lung function with less ultrastructural damage in experimental mild acute lung injury. Respiratory Physiology and Neurobiology, 2009, 169, 271-281.	0.7	34
131	Pulmonary Antifibrotic Mechanisms Aspirin-Triggered Lipoxin A₄ Synthetic Analog. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 1029-1037.	1.4	34
132	Higher Levels of Spontaneous Breathing Reduce Lung Injury in Experimental Moderate Acute Respiratory Distress Syndrome*. Critical Care Medicine, 2014, 42, e702-e715.	0.4	34
133	Exogenous Glutamine in Respiratory Diseases: Myth or Reality?. Nutrients, 2016, 8, 76.	1.7	34
134	Lung Functional and Biologic Responses to Variable Ventilation in Experimental Pulmonary and Extrapulmonary Acute Respiratory Distress Syndrome. Critical Care Medicine, 2016, 44, e553-e562.	0.4	34
135	Therapeutic administration of bone marrowâ€derived mesenchymal stromal cells reduces airway inflammation without upâ€regulating Tregs in experimental asthma. Clinical and Experimental Allergy, 2018, 48, 205-216.	1.4	34
136	Multiple doses of adipose tissue-derived mesenchymal stromal cells induce immunosuppression in experimental asthma. Stem Cells Translational Medicine, 2020, 9, 250-260.	1.6	34
137	Personalized pharmacological therapy for ARDS: a light at the end of the tunnel. Expert Opinion on Investigational Drugs, 2020, 29, 49-61.	1.9	34
138	Infectious disease-associated encephalopathies. Critical Care, 2021, 25, 236.	2.5	34
139	Bone Marrow Mononuclear Cell Therapy Led to Alveolar-Capillary Membrane Repair, Improving Lung Mechanics in Endotoxin-Induced Acute Lung Injury. Cell Transplantation, 2010, 19, 965-971.	1.2	33
140	Y-27632 is associated with corticosteroid-potentiated control of pulmonary remodeling and inflammation in guinea pigs with chronic allergic inflammation. BMC Pulmonary Medicine, 2015, 15, 85.	0.8	33
141	Eicosapentaenoic acid potentiates the therapeutic effects of adipose tissue-derived mesenchymal stromal cells on lung and distal organ injury in experimental sepsis. Stem Cell Research and Therapy, 2019, 10, 264.	2.4	33
142	Effects of higher PEEP and recruitment manoeuvres on mortality in patients with ARDS: a systematic review, meta-analysis, meta-regression and trial sequential analysis of randomized controlled trials. Intensive Care Medicine Experimental, 2020, 8, 39.	0.9	33
143	Effects of undernutrition on respiratory mechanics and lung parenchyma remodeling. Journal of Applied Physiology, 2004, 97, 1888-1896.	1.2	32
144	Corticosteroids in acute respiratory distress syndrome. Brazilian Journal of Medical and Biological Research, 2005, 38, 147-159.	0.7	32

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145	Intratracheal instillation of bone marrow-derived cell in an experimental model of silicosis. Respiratory Physiology and Neurobiology, 2009, 169, 227-233.	0.7	32
146	Elastase-Induced Lung Emphysema Models in Mice. Methods in Molecular Biology, 2017, 1639, 67-75.	0.4	32
147	Coagulative Disorders in Critically Ill COVID-19 Patients with Acute Distress Respiratory Syndrome: A Critical Review. Journal of Clinical Medicine, 2021, 10, 140.	1.0	32
148	Effects of Intravascular Volume Replacement on Lung and Kidney Function and Damage in Nonseptic Experimental Lung Injury. Anesthesiology, 2013, 118, 395-408.	1.3	31
149	Cell-based therapies for the acute respiratory distress syndrome. Current Opinion in Critical Care, 2014, 20, 122-131.	1.6	31
150	Effects of Obesity on Pulmonary Inflammation and Remodeling in Experimental Moderate Acute Lung Injury. Frontiers in Immunology, 2019, 10, 1215.	2.2	31
151	Nanoparticle-based thymulin gene therapy therapeutically reverses key pathology of experimental allergic asthma. Science Advances, 2020, 6, eaay7973.	4.7	31
152	Effects of bone marrow-derived mononuclear cells on airway and lung parenchyma remodeling in a murine model of chronic allergic inflammation. Respiratory Physiology and Neurobiology, 2011, 175, 153-163.	0.7	30
153	Modulation of Stress versus Time Product during Mechanical Ventilation Influences Inflammation as Well as Alveolar Epithelial and Endothelial Response in Rats. Anesthesiology, 2015, 122, 106-116.	1.3	30
154	Prospects and progress in cell therapy for acute respiratory distress syndrome. Expert Opinion on Biological Therapy, 2016, 16, 1353-1360.	1.4	30
155	The Effects of Short-Term Propofol and Dexmedetomidine on Lung Mechanics, Histology, and Biological Markers in Experimental Obesity. Anesthesia and Analgesia, 2016, 122, 1015-1023.	1.1	30
156	Biological Response to Time-Controlled Adaptive Ventilation Depends on Acute Respiratory Distress Syndrome Etiology*. Critical Care Medicine, 2018, 46, e609-e617.	0.4	30
157	Prone position prevents regional alveolar hyperinflation and mechanical stress and strain in mild experimental acute lung injury. Respiratory Physiology and Neurobiology, 2009, 167, 181-188.	0.7	29
158	Pivotal Role of the 5-Lipoxygenase Pathway in Lung Injury after Experimental Sepsis. American Journal of Respiratory Cell and Molecular Biology, 2014, 50, 87-95.	1.4	29
159	Possible mechanisms of Pseudomonas aeruginosa-associated lung disease. International Journal of Medical Microbiology, 2016, 306, 20-28.	1.5	29
160	Emerging trends in COVID-19 treatment: learning from inflammatory conditions associated with cellular therapies. Cytotherapy, 2020, 22, 474-481.	0.3	29
161	Effects of halothane on respiratory mechanics and lung histopathology in normal rats. British Journal of Anaesthesia, 2000, 84, 372-377.	1.5	28
162	Bone marrow mononuclear cell therapy in experimental allergic asthma: Intratracheal versus intravenous administration. Respiratory Physiology and Neurobiology, 2013, 185, 615-624.	0.7	28

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163	Effects of sigh during pressure control and pressure support ventilation in pulmonary and extrapulmonary mild acute lung injury. Critical Care, 2014, 18, 474.	2.5	28
164	Pilot safety study of intrabronchial instillation of bone marrow-derived mononuclear cells in patients with silicosis. BMC Pulmonary Medicine, 2015, 15, 66.	0.8	28
165	Effects of Positive End-Expiratory Pressure and Spontaneous Breathing Activity on Regional Lung Inflammation in Experimental Acute Respiratory Distress Syndrome. Critical Care Medicine, 2019, 47, e358-e365.	0.4	28
166	Pulmonary mechanics and lung histology in acute lung injury induced by Bothrops jararaca venom. Respiratory Physiology and Neurobiology, 2004, 139, 167-177.	0.7	27
167	Different strains of mice present distinct lung tissue mechanics and extracellular matrix composition in a model of chronic allergic asthma. Respiratory Physiology and Neurobiology, 2009, 165, 202-207.	0.7	27
168	CD11b+ and Sca-1+ Cells Exert the Main Beneficial Effects of Systemically Administered Bone Marrow-Derived Mononuclear Cells in a Murine Model of Mixed Th2/Th17 Allergic Airway Inflammation. Stem Cells Translational Medicine, 2016, 5, 488-499.	1.6	27
169	Mesenchymal Stromal Cells Protect the Blood-Brain Barrier, Reduce Astrogliosis, and Prevent Cognitive and Behavioral Alterations in Surviving Septic Mice. Critical Care Medicine, 2020, 48, e290-e298.	0.4	27
170	Respiratory mechanics and lung histology in normal rats anesthetized with sevoflurane. Journal of Applied Physiology, 2001, 91, 803-810.	1.2	26
171	Effects of propofol on respiratory mechanic and lung histology in normal rats. British Journal of Anaesthesia, 2004, 92, 737-740.	1.5	26
172	Impact of obesity on airway and lung parenchyma remodeling in experimental chronic allergic asthma. Respiratory Physiology and Neurobiology, 2011, 177, 141-148.	0.7	26
173	The effects of salbutamol on epithelial ion channels depend on the etiology of acute respiratory distress syndrome but not the route of administration. Respiratory Research, 2014, 15, 56.	1.4	26
174	The Effects of Dasatinib in Experimental Acute Respiratory Distress Syndrome Depend on Dose and Etiology. Cellular Physiology and Biochemistry, 2015, 36, 1644-1658.	1.1	26
175	Early and late effects of bone marrow-derived mononuclear cell therapy on lung and distal organs in experimental sepsis. Respiratory Physiology and Neurobiology, 2011, 178, 304-314.	0.7	25
176	Impact of Different Ventilation Strategies on Driving Pressure, Mechanical Power, and Biological Markers During Open Abdominal Surgery in Rats. Anesthesia and Analgesia, 2017, 125, 1364-1374.	1.1	25
177	Time course of respiratory mechanics and pulmonary structural remodelling in acute lung injury. Respiratory Physiology and Neurobiology, 2004, 143, 49-61.	0.7	24
178	Year in review in Intensive Care Medicine 2011: III. ARDS and ECMO, weaning, mechanical ventilation, noninvasive ventilation, pediatrics and miscellanea. Intensive Care Medicine, 2012, 38, 542-556.	3.9	24
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