Patricia R M Rocco

List of Publications by Citations

389 papers	8,438 citations	45 h-index	64 g-index
452 ext. papers	10,570 ext. citations	5.1 avg, IF	6.49 L-index

#	Paper	IF	Citations
389	Intraoperative protective mechanical ventilation for prevention of postoperative pulmonary complications: a comprehensive review of the role of tidal volume, positive end-expiratory pressure, and lung recruitment maneuvers. *Anesthesiology*, **2015**, 123, 692-713	4	232
388	Systemic Administration of Human Bone Marrow-Derived Mesenchymal Stromal Cell Extracellular Vesicles Ameliorates Aspergillus Hyphal Extract-Induced Allergic Airway Inflammation in Immunocompetent Mice. *Stem Cells Translational Medicine*, **2015**, 4, 1302-16	6.6	146
387	Current status of cell-based therapies for respiratory virus infections: applicability to COVID-19. *European Respiratory Journal*, **2020**, 55,	13.2	142
386	Lung tissue mechanics and extracellular matrix remodeling in acute lung injury. *American Journal of Respiratory and Critical Care Medicine*, **2001**, 164, 1067-71	9.7	135
385	Pulmonary and extrapulmonary acute lung injury: inflammatory and ultrastructural analyses. *Journal of Applied Physiology*, **2005**, 98, 1777-83	3.6	133
384	Effects of different mesenchymal stromal cell sources and delivery routes in experimental emphysema. *Respiratory Research*, **2014**, 15, 118	7	109
383	Fas ligand triggers pulmonary silicosis. *Journal of Experimental Medicine*, **2001**, 194, 155-64	16.2	96
382	Distinct phenotypes require distinct respiratory management strategies in severe COVID-19. *Respiratory Physiology and Neurobiology*, **2020**, 279, 103455	2.7	94
381	Effects of mechanical ventilation on the extracellular matrix. *Intensive Care Medicine*, **2008**, 34, 631-9	14	84
380	Time course of lung parenchyma remodeling in pulmonary and extrapulmonary acute lung injury. *Journal of Applied Physiology*, **2006**, 100, 98-106	3.6	82
379	Anti-inflammatory properties of anesthetic agents. *Critical Care*, **2017**, 21, 67	10.5	79
378	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, 677-84	9.7	79
377	Recruitment maneuver in pulmonary and extrapulmonary experimental acute lung injury. *Critical Care Medicine*, **2008**, 36, 1900-8	1.3	78
376	Lung parenchyma remodeling in a murine model of chronic allergic inflammation. *American Journal of Respiratory and Critical Care Medicine*, **2005**, 171, 829-37	9.7	73
375	Positive end-expiratory pressure prevents lung mechanical stress caused by recruitment/derecruitment. *Journal of Applied Physiology*, **2005**, 98, 53-61	3.6	72
374	Bench-to-bedside review: the role of glycosaminoglycans in respiratory disease. *Critical Care*, **2006**, 10, 237	10.5	71
373	Extracellular vesicles derived from mesenchymal stromal cells: a therapeutic option in respiratory diseases?. *Stem Cell Research and Therapy*, **2016**, 7, 53	8	70

372	Strategies to improve the therapeutic effects of mesenchymal stromal cells in respiratory diseases. *Stem Cell Research and Therapy*, **2018**, 9, 45	8	67
371	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	8	66
370	Angiotensin-(1-7) attenuates airway remodelling and hyperresponsiveness in a model of chronic allergic lung inflammation. *British Journal of Pharmacology*, **2015**, 172, 2330-42	8.3	66
369	Mesenchymal stem cell trials for pulmonary diseases. *Journal of Cellular Biochemistry*, **2014**, 115, 1023-32	4.6	63
368	Elastase-induced pulmonary emphysema: insights from experimental models. *Anais Da Academia Brasileira De Ciencias*, **2011**, 83, 1385-96	1.3	63
367	Comparative Effects of Volutrauma and Atelectrauma on Lung Inflammation in Experimental Acute Respiratory Distress Syndrome. *Critical Care Medicine*, **2016**, 44, e854-65	1.3	62
366	The potential of mesenchymal stem cell therapy for chronic lung disease. *Expert Review of Respiratory Medicine*, **2020**, 14, 31-39	3.6	58
365	Pulmonary and extrapulmonary acute respiratory distress syndrome: are they different?. *Current Opinion in Critical Care*, **2005**, 11, 10-7	3.4	57
364	Apoptosis underlies immunopathogenic mechanisms in acute silicosis. *American Journal of Respiratory Cell and Molecular Biology*, **2002**, 27, 78-84	5.5	57
363	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, 615-24	6.6	55
362	Bone marrow-derived mononuclear cell therapy in experimental pulmonary and extrapulmonary acute lung injury. *Critical Care Medicine*, **2010**, 38, 1733-41	1.3	54
361	Early use of nitazoxanide in mild COVID-19 disease: randomised, placebo-controlled trial. *European Respiratory Journal*, **2021**, 58,	13.2	53
360	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	6.6	52
359	Pulmonary and extrapulmonary acute respiratory distress syndrome: myth or reality?. *Current Opinion in Critical Care*, **2008**, 14, 50-5	3.4	52
358	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	6.6	51
357	Lung tissue mechanics and extracellular matrix composition in a murine model of silicosis. *Journal of Applied Physiology*, **2001**, 90, 1400-6	3.6	50
356	Immunomodulation after ischemic stroke: potential mechanisms and implications for therapy. *Critical Care*, **2016**, 20, 391	10.5	50
355	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, e319-33	1.3	49

354	Mechanisms of cellular therapy in respiratory diseases. *Intensive Care Medicine*, **2011**, 37, 1421-31	14	48
353	The extracellular matrix of the lung and its role in edema formation. *Anais Da Academia Brasileira De Ciencias*, **2007**, 79, 285-97	1.3	47
352	Effects of microcystin-LR on mouse lungs. *Toxicon*, **2007**, 50, 330-8	1.6	47
351	Close down the lungs and keep them resting to minimize ventilator-induced lung injury. *Critical Care*, **2018**, 22, 72	10.5	46
350	DJ-1/PARK7 Impairs Bacterial Clearance in Sepsis. *American Journal of Respiratory and Critical Care Medicine*, **2017**, 195, 889-905	9.7	46
349	Pathophysiology of ventilator-associated lung injury. *Current Opinion in Anaesthesiology*, **2012**, 25, 123-30	2.9	46
348	Recruitment maneuvers modulate epithelial and endothelial cell response according to acute lung injury etiology. *Critical Care Medicine*, **2013**, 41, e256-65	1.3	45
347	Intravenous glutamine decreases lung and distal organ injury in an experimental model of abdominal sepsis. *Critical Care*, **2009**, 13, R74	10.5	45
346	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	9.7	45
345	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, 2621-8	1.3	44
344	Biological Impact of Transpulmonary Driving Pressure in Experimental Acute Respiratory Distress Syndrome. *Anesthesiology*, **2015**, 123, 423-33	4	43
343	Glucocorticoid treatment in acute lung injury and acute´respiratory distress syndrome. *Critical Care Clinics*, **2011**, 27, 589-607	4.3	43
342	Therapeutic potential of a new phosphodiesterase inhibitor in acute lung injury. *European Respiratory Journal*, **2003**, 22, 20-7	13.2	43
341	Cannabidiol reduces airway inflammation and fibrosis in experimental allergic asthma. *European Journal of Pharmacology*, **2019**, 843, 251-259	5.1	43
340	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	1.3	43
339	Lung parenchyma remodeling in acute respiratory distress syndrome. *Minerva Anestesiologica*, **2009**, 75, 730-40	1.8	43
338	DNA nanoparticle-mediated thymulin gene therapy prevents airway remodeling in experimental allergic asthma. *Journal of Controlled Release*, **2014**, 180, 125-33	11.4	42
337	The lung and the brain: a dangerous cross-talk. *Critical Care*, **2011**, 15, 168	10.5	42

336	Pathogenesis of Multiple Organ Injury in COVID-19 and Potential Therapeutic Strategies. *Frontiers in Physiology*, **2021**, 12, 593223	4.4	42
335	Current understanding of the immunosuppressive properties of mesenchymal stromal cells. *Journal of Molecular Medicine*, **2019**, 97, 605-618	5.4	41
334	Bone marrow-derived mononuclear cells vs. mesenchymal stromal cells in experimental allergic asthma. *Respiratory Physiology and Neurobiology*, **2013**, 187, 190-8	2.7	41
333	Effects of frequency and inspiratory plateau pressure during recruitment manoeuvres on lung and distal organs in acute lung injury. *Intensive Care Medicine*, **2009**, 35, 1120-8	14	41
332	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, 1417-26	14	41
331	Recruitment maneuver in experimental acute lung injury: the role of alveolar collapse and edema. *Critical Care Medicine*, **2010**, 38, 2207-14	1.3	40
330	Pros and cons of corticosteroid therapy for COVID-19 patients. *Respiratory Physiology and Neurobiology*, **2020**, 280, 103492	2.7	40
329	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	8	39
328	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	2.7	39
327	Dasatinib Reduces Lung Inflammation and Fibrosis in Acute Experimental Silicosis. *PLoS ONE*, **2016**, 11, e0147005	3.6	39
326	Current understanding of the therapeutic benefits of mesenchymal stem cells in acute respiratory distress syndrome. *Cell Biology and Toxicology*, **2020**, 36, 83-102	7.3	39
325	Sex-specific lung remodeling and inflammation changes in experimental allergic asthma. *Journal of Applied Physiology*, **2010**, 109, 855-63	3.6	38
324	Bone marrow-derived mononuclear cell therapy attenuates silica-induced lung fibrosis. *European Respiratory Journal*, **2011**, 37, 1217-25	13.2	38
323	Understanding the mechanisms of lung mechanical stress. *Brazilian Journal of Medical and Biological Research*, **2006**, 39, 697-706	2.7	37
322	New perspectives in nanotherapeutics for chronic respiratory diseases. *Biophysical Reviews*, **2017**, 9, 793-803	3.6	36
321	Hypervolemia induces and potentiates lung damage after recruitment maneuver in a model of sepsis-induced acute lung injury. *Critical Care*, **2010**, 14, R114	10.5	36
320	Mechanisms of ventilator-induced lung injury in healthy lungs. *Baillieres Best Practice and Research in Clinical Anaesthesiology*, **2015**, 29, 301-13	3.9	35
319	Bosutinib Therapy Ameliorates Lung Inflammation and Fibrosis in Experimental Silicosis. *Frontiers in Physiology*, **2017**, 8, 159	4.4	35

318	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	2.7	35
317	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, 8262849	4.8	34
316	Brain-heart interaction after acute ischemic stroke. *Critical Care*, **2020**, 24, 163	10.5	34
315	Stem-cell extracellular vesicles and lung repair. *Stem Cell Investigation*, **2017**, 4, 78	4.9	33
314	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, 345-58	14	33
313	Impact of pressure profile and duration of recruitment maneuvers on morphofunctional and biochemical variables in experimental lung injury. *Critical Care Medicine*, **2011**, 39, 1074-81	1.3	33
312	Use of computed tomography scanning to guide lung recruitment and adjust positive-end expiratory pressure. *Current Opinion in Critical Care*, **2011**, 17, 268-74	3.4	33
311	Understanding the mechanisms of glutamine action in critically ill patients. *Anais Da Academia Brasileira De Ciencias*, **2010**, 82, 417-30	1.3	33
310	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, 1011-7	1.3	33
309	Mechanical ventilation in patients with acute ischaemic stroke: from pathophysiology to clinical practice. *Critical Care*, **2019**, 23, 388	10.5	33
308	Effects of Rho-kinase inhibition in lung tissue with chronic inflammation. *Respiratory Physiology and Neurobiology*, **2014**, 192, 134-46	2.7	32
307	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, 72-9	3.4	32
306	Effects of chronic L-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, L1197-205	5.6	32
305	Lung mechanics and histology during sevoflurane anesthesia in a model of chronic allergic asthma. *Anesthesia and Analgesia*, **2007**, 104, 631-7	3.7	32
304	Bone Marrow-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	3.7	31
303	Magnetic targeting as a strategy to enhance therapeutic effects of mesenchymal stromal cells. *Stem Cell Research and Therapy*, **2017**, 8, 58	8	31
302	Gut Microbiota in Acute Ischemic Stroke: From Pathophysiology to Therapeutic Implications. *Frontiers in Neurology*, **2020**, 11, 598	4	31
301	Power to mechanical power to minimize ventilator-induced lung injury?. *Intensive Care Medicine Experimental*, **2019**, 7, 38	3.6	31

300	Mesenchymal stromal cell therapy in COPD: from bench to bedside. *International Journal of COPD*, **2017**, 12, 3017-3027	2.9	31
299	Bone marrow mononuclear cell therapy led to alveolar-capillary membrane repair, improving lung mechanics in endotoxin-induced acute lung injury. *Cell Transplantation*, **2010**, 19, 965-71	3.8	31
298	Neurological Manifestations of Severe SARS-CoV-2 Infection: Potential Mechanisms and Implications of Individualized Mechanical Ventilation Settings. *Frontiers in Neurology*, **2020**, 11, 845	4	31
297	Computed tomography assessment of PEEP-induced alveolar recruitment in patients with severe COVID-19 pneumonia. *Critical Care*, **2021**, 25, 81	10.5	31
296	Ventilator-associated lung injury during assisted mechanical ventilation. *Seminars in Respiratory and Critical Care Medicine*, **2014**, 35, 409-17	3.8	30
295	Nanoparticle-based therapy for respiratory diseases. *Anais Da Academia Brasileira De Ciencias*, **2013**, 85, 137-46	1.3	30
294	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	3.3	29
293	Pulmonary antifibrotic mechanisms aspirin-triggered lipoxin A(4) synthetic analog. *American Journal of Respiratory Cell and Molecular Biology*, **2013**, 49, 1029-37	5.5	29
292	ATF3 protects pulmonary resident cells from acute and ventilator-induced lung injury by preventing Nrf2 degradation. *Antioxidants and Redox Signaling*, **2015**, 22, 651-68	8	28
291	Therapeutic effects of adipose-tissue-derived mesenchymal stromal cells and their extracellular vesicles in experimental silicosis. *Respiratory Research*, **2018**, 19, 104	7	28
290	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	5.5	28
289	IL-13 immunotoxin accelerates resolution of lung pathological changes triggered by silica particles in mice. *Journal of Immunology*, **2013**, 191, 5220-9	5.2	28
288	Pros and cons of recruitment maneuvers in acute lung injury and acute respiratory distress syndrome. *Expert Review of Respiratory Medicine*, **2010**, 4, 479-89	3.6	28
287	Prolonged recruitment manoeuvre improves lung function with less ultrastructural damage in experimental mild acute lung injury. *Respiratory Physiology and Neurobiology*, **2009**, 169, 271-81	2.7	28
286	Corticosteroids in acute respiratory distress syndrome. *Brazilian Journal of Medical and Biological Research*, **2005**, 38, 147-59	2.7	28
285	Serum from Asthmatic Mice Potentiates the Therapeutic Effects of Mesenchymal Stromal Cells in Experimental Allergic Asthma. *Stem Cells Translational Medicine*, **2019**, 8, 301-312	6.6	28
284	Focal ischemic stroke leads to lung injury and reduces alveolar macrophage phagocytic capability in rats. *Critical Care*, **2018**, 22, 249	10.5	28
283	Biologic Impact of Mechanical Power at High and Low Tidal Volumes in Experimental Mild Acute Respiratory Distress Syndrome. *Anesthesiology*, **2018**, 128, 1193-1206	4	27

282	Eicosapentaenoic Acid Enhances the Effects of Mesenchymal Stromal Cell Therapy in Experimental Allergic Asthma. *Frontiers in Immunology*, **2018**, 9, 1147	8.2	27
281	Recruitment maneuvers in acute respiratory distress syndrome: The safe way is the best way. *World Journal of Critical Care Medicine*, **2015**, 4, 278-86	2.7	27
280	New and conventional strategies for lung recruitment in acute respiratory distress syndrome. *Critical Care*, **2010**, 14, 210	10.5	27
279	Prone position prevents regional alveolar hyperinflation and mechanical stress and strain in mild experimental acute lung injury. *Respiratory Physiology and Neurobiology*, **2009**, 167, 181-8	2.7	27
278	Regular and moderate exercise before experimental sepsis reduces the risk of lung and distal organ injury. *Journal of Applied Physiology*, **2012**, 112, 1206-14	3.6	27
277	Emerging pharmacological therapies for ARDS: COVID-19 and beyond. *Intensive Care Medicine*, **2020**, 46, 2265-2283	14	27
276	The tyrosine kinase inhibitor dasatinib reduces lung inflammation and remodelling in experimental allergic asthma. *British Journal of Pharmacology*, **2016**, 173, 1236-47	8.3	27
275	Repeated administration of bone marrow-derived cells prevents disease progression in experimental silicosis. *Cellular Physiology and Biochemistry*, **2013**, 32, 1681-94	3.7	26
274	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, 153-63	2.7	26
273	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, 202-7	2.7	26
272	Intratracheal instillation of bone marrow-derived cell in an experimental model of silicosis. *Respiratory Physiology and Neurobiology*, **2009**, 169, 227-33	2.7	26
271	Effects of halothane on respiratory mechanics and lung histopathology in normal rats. *British Journal of Anaesthesia*, **2000**, 84, 372-7	4.9	26
270	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, 708-15	4.9	26
269	Cell-based therapies for the acute respiratory distress syndrome. *Current Opinion in Critical Care*, **2014**, 20, 122-31	3.4	25
268	Pulmonary morphofunctional effects of mechanical ventilation with high inspiratory air flow. *Critical Care Medicine*, **2008**, 36, 232-9	1.3	25
267	Comparison of rat and mouse pulmonary tissue mechanical properties and histology. *Journal of Applied Physiology*, **2002**, 92, 230-4	3.6	25
266	Characterization of a Mouse Model of Emphysema Induced by Multiple Instillations of Low-Dose Elastase. *Frontiers in Physiology*, **2016**, 7, 457	4.4	25
265	Effects of sigh during pressure control and pressure support ventilation in pulmonary and extrapulmonary mild acute lung injury. *Critical Care*, **2014**, 18, 474	10.5	24

264	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	7	24
263	Airway closure: the silent killer of peripheral airways. *Critical Care*, **2007**, 11, 114	10.5	24
262	Cell-based therapies for coronavirus disease 2019: proper clinical investigations are essential. *Cytotherapy*, **2020**, 22, 602-605	1.3	23
261	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	3.6	23
260	Bone marrow mononuclear cell therapy in experimental allergic asthma: intratracheal versus intravenous administration. *Respiratory Physiology and Neurobiology*, **2013**, 185, 615-24	2.7	23
259	Effects of intravascular volume replacement on lung and kidney function and damage in nonseptic experimental lung injury. *Anesthesiology*, **2013**, 118, 395-408	4	23
258	Respiratory mechanics and lung histology in normal rats anesthetized with sevoflurane. *Journal of Applied Physiology*, **2001**, 91, 803-10	3.6	23
257	Noninvasive respiratory support and patient self-inflicted lung injury in COVID-19: a narrative review. *British Journal of Anaesthesia*, **2021**, 127, 353-364	4.9	23
256	Lung inflammatory environments differentially alter mesenchymal stromal cell behavior. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2019**, 317, L823-L831	5.6	22
255	Higher levels of spontaneous breathing reduce lung injury in experimental moderate acute respiratory distress syndrome. *Critical Care Medicine*, **2014**, 42, e702-15	1.3	22
254	The Effects of Dasatinib in Experimental Acute Respiratory Distress Syndrome Depend on Dose and Etiology. *Cellular Physiology and Biochemistry*, **2015**, 36, 1644-58	3.7	22
253	Impact of obesity on airway and lung parenchyma remodeling in experimental chronic allergic asthma. *Respiratory Physiology and Neurobiology*, **2011**, 177, 141-8	2.7	22
252	Effects of propofol on respiratory mechanic and lung histology in normal rats. *British Journal of Anaesthesia*, **2004**, 92, 737-40	4.9	22
251	Prospects and progress in cell therapy for acute respiratory distress syndrome. *Expert Opinion on Biological Therapy*, **2016**, 16, 1353-1360	5.2	22
250	Personalized mechanical ventilation in acute respiratory distress syndrome. *Critical Care*, **2021**, 25, 250	10.5	22
249	Pilot safety study of intrabronchial instillation of bone marrow-derived mononuclear cells in patients with silicosis. *BMC Pulmonary Medicine*, **2015**, 15, 66	3.3	21
248	The Effects of Short-Term Propofol and Dexmedetomidine on Lung Mechanics, Histology, and Biological Markers in Experimental Obesity. *Anesthesia and Analgesia*, **2016**, 122, 1015-23	3.7	21
247	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, 542-56	14	21

246	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, 304-14	2.7	21
245	Chest physiotherapy: An important adjuvant in critically ill mechanically ventilated patients with COVID-19. *Respiratory Physiology and Neurobiology*, **2020**, 282, 103529	2.7	21
244	Emerging trends in COVID-19 treatment: learning from inflammatory conditions associated with cellular therapies. *Cytotherapy*, **2020**, 22, 474-481	1.3	21
243	Exogenous Glutamine in Respiratory Diseases: Myth or Reality?. *Nutrients*, **2016**, 8, 76	6.4	21
242	Lung Functional and Biologic Responses to Variable Ventilation in Experimental Pulmonary and Extrapulmonary Acute Respiratory Distress Syndrome. *Critical Care Medicine*, **2016**, 44, e553-62	1.3	21
241	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, 488-99	6.6	21
240	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	1.3	20
239	Biological Response to Time-Controlled Adaptive Ventilation Depends on Acute Respiratory Distress Syndrome Etiology. *Critical Care Medicine*, **2018**, 46, e609-e617	1.3	20
238	Impact of Different Tidal Volume Levels at Low Mechanical Power on Ventilator-Induced Lung Injury in Rats. *Frontiers in Physiology*, **2018**, 9, 318	4.4	20
237	Early short-term versus prolonged low-dose methylprednisolone therapy in acute lung injury. *European Respiratory Journal*, **2009**, 33, 634-45	13.2	20
236	Pulmonary mechanics and lung histology in acute lung injury induced by Bothrops jararaca venom. *Respiratory Physiology and Neurobiology*, **2004**, 139, 167-77	2.7	20
235	Time course of respiratory mechanics and pulmonary structural remodelling in acute lung injury. *Respiratory Physiology and Neurobiology*, **2004**, 143, 49-61	2.7	20
234	Effects of undernutrition on respiratory mechanics and lung parenchyma remodeling. *Journal of Applied Physiology*, **2004**, 97, 1888-96	3.6	20
233	Neurological Complications and Noninvasive Multimodal Neuromonitoring in Critically Ill Mechanically Ventilated COVID-19 Patients. *Frontiers in Neurology*, **2020**, 11, 602114	4	20
232	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	10.5	20
231	Infusion of bone marrow mononuclear cells reduces lung fibrosis but not inflammation in the late stages of murine silicosis. *PLoS ONE*, **2014**, 9, e109982	3.6	19
230	Intravenous glutamine administration reduces lung and distal organ injury in malnourished rats with sepsis. *Shock*, **2014**, 41, 222-32	3.2	19
229	Protective effects of phosphodiesterase inhibitors on lung function and remodeling in a murine model of chronic asthma. *Brazilian Journal of Medical and Biological Research*, **2006**, 39, 283-7	2.7	19

228	Multiple doses of adipose tissue-derived mesenchymal stromal cells induce immunosuppression in experimental asthma. *Stem Cells Translational Medicine*, **2020**, 9, 250-260	6.6	19
227	Therapeutic administration of bone marrow-derived mesenchymal stromal cells reduces airway inflammation without up-regulating Tregs in experimental asthma. *Clinical and Experimental Allergy* , **2018**, 48, 205-216	4	19
226	Possible mechanisms of Pseudomonas aeruginosa-associated lung disease. *International Journal of Medical Microbiology*, **2016**, 306, 20-8	3.5	18
225	Open lung approach with low tidal volume mechanical ventilation attenuates lung injury in rats with massive brain damage. *Critical Care*, **2014**, 18, R59	10.5	18
224	Effects of ultraprotective ventilation, extracorporeal carbon dioxide removal, and spontaneous breathing on lung morphofunction and inflammation in experimental severe acute respiratory distress syndrome. *Anesthesiology*, **2015**, 122, 631-46	4	18
223	Modulation of stress versus time product during mechanical ventilation influences inflammation as well as alveolar epithelial and endothelial response in rats. *Anesthesiology*, **2015**, 122, 106-16	4	18
222	Toxicity of a cyanobacterial extract containing microcystins to mouse lungs. *Brazilian Journal of Medical and Biological Research*, **2004**, 37, 1225-9	2.7	18
221	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	3.6	18
220	Personalized pharmacological therapy for ARDS: a light at the end of the tunnel. *Expert Opinion on Investigational Drugs*, **2020**, 29, 49-61	5.7	18
219	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	10.5	18
218	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	1.3	18
217	Effects of Obesity on Pulmonary Inflammation and Remodeling in Experimental Moderate Acute Lung Injury. *Frontiers in Immunology*, **2019**, 10, 1215	8.2	17
216	Effects of bone marrow-derived mononuclear cells from healthy or acute respiratory distress syndrome donors on recipient lung-injured mice. *Critical Care Medicine*, **2014**, 42, e510-24	1.3	17
215	Elastase-Induced Lung Emphysema Models in Mice. *Methods in Molecular Biology*, **2017**, 1639, 67-75	1.4	17
214	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	3.7	17
213	Expanded endothelial progenitor cells mitigate lung injury in septic mice. *Stem Cell Research and Therapy*, **2015**, 6, 230	8	17
212	Effects of bone marrow mononuclear cells from healthy or ovalbumin-induced lung inflammation donors on recipient allergic asthma mice. *Stem Cell Research and Therapy*, **2014**, 5, 108	8	17
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