Patricia R M Rocco

List of Publications by Year in Descending Order

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	Ventilation in the Obese Patient **2022**, 223-229		
388	Testosterone Therapy and Diaphragm Performance in a Male Patient with COVID-19: A Case Report.. *Diagnostics*, **2022**, 12,	3.7	
387	Understanding the pathophysiology of typical acute respiratory distress syndrome and severe COVID-19.. *Expert Review of Respiratory Medicine*, **2022**, 1-10	3.6	0
386	Ultraprotective versus apneic ventilation in acute respiratory distress syndrome patients with extracorporeal membrane oxygenation: a physiological study.. *Journal of Intensive Care*, **2022**, 10, 12	6.8	1
385	Effects of different positive end-expiratory pressure titration strategies during prone positioning in patients with acute respiratory distress syndrome: a prospective interventional study.. *Critical Care*, **2022**, 26, 82	10.5	2
384	Patients With Suspected Severe Adverse Reactions to COVID-19 Vaccination Admitted to Intensive Care Unit: A Case Report.. *Frontiers in Medicine*, **2022**, 9, 823837	4.7	0
383	Early versus late intubation in COVID-19 patients failing helmet CPAP: a quantitative computed tomography study.. *Respiratory Physiology and Neurobiology*, **2022**, 103889	2.7	1
382	Nitazoxanide in Patients Hospitalized With COVID-19 Pneumonia: A Multicentre, Randomized, Double-Blind, Placebo-Controlled Trial.. *Frontiers in Medicine*, **2022**, 9, 844728	4.7	3
381	Physiological and Pathophysiological Consequences of Mechanical Ventilation.. *Seminars in Respiratory and Critical Care Medicine*, **2022**,	3.8	2
380	Laboratory Biomarkers for Diagnosis and Prognosis in COVID-19.. *Frontiers in Immunology*, **2022**, 13, 857573	8.3	4
379	Early use of nitazoxanide in mild COVID-19 disease: randomised, placebo-controlled trial. *European Respiratory Journal*, **2021**, 58,	13.2	53
378	Time-Controlled Adaptive Ventilation Versus Volume-Controlled Ventilation in Experimental Pneumonia. *Critical Care Medicine*, **2021**, 49, 140-150	1.3	0
377	Sepsis Disrupts Mitochondrial Function and Diaphragm Morphology. *Frontiers in Physiology*, **2021**, 12, 704044	4.4	0
376	Comparative effects of dexmedetomidine and propofol on brain and lung damage in experimental acute ischemic stroke. *Scientific Reports*, **2021**, 11, 23133	4.7	0
375	Immunomodulatory and Anti-fibrotic Effects Following the Infusion of Umbilical Cord Mesenchymal Stromal Cells in a Critically Ill Patient With COVID-19 Presenting Lung Fibrosis: A Case Report. *Frontiers in Medicine*, **2021**, 8, 767291	4.7	0
374	Mitochondria in Focus: From Function to Therapeutic Strategies in Chronic Lung Diseases. *Frontiers in Immunology*, **2021**, 12, 782074	8.2	5
373	Mechanical Power Correlates With Lung Inflammation Assessed by Positron-Emission Tomography in Experimental Acute Lung Injury in Pigs. *Frontiers in Physiology*, **2021**, 12, 717266	4.4	0

372	Effects of Different Levels of Variability and Pressure Support Ventilation on Lung Function in Patients With Mild-Moderate Acute Respiratory Distress Syndrome. *Frontiers in Physiology*, **2021**, 12, 725738	4.4	
371	Effects of propofol and its formulation components on macrophages and neutrophils in obese and lean animals. *Pharmacology Research and Perspectives*, **2021**, 9, e00873	3	0
370	Effects of Positive End-Expiratory Pressure on Lung Recruitment, Respiratory Mechanics, and Intracranial Pressure in Mechanically Ventilated Brain-Injured Patients. *Frontiers in Physiology*, **2021**, 12, 711273	4.4	2
369	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
368	Immunomodulators in anesthesia. *Current Opinion in Anaesthesiology*, **2021**, 34, 357-363	2.9	0
367	Oxidative Stress-Derived Mitochondrial Dysfunction in Chronic Obstructive Pulmonary Disease: A Concise Review. *Oxidative Medicine and Cellular Longevity*, **2021**, 2021, 1-11	6.5	3
366	Mitochondria-Rich Fraction Isolated From Mesenchymal Stromal Cells Reduces Lung and Distal Organ Injury in Experimental Sepsis. *Critical Care Medicine*, **2021**, 49, e880-e890	1.3	8
365	Ten things you need to know about intensive care unit management of mechanically ventilated patients with COVID-19. *Expert Review of Respiratory Medicine*, **2021**, 15, 1293-1302	3.6	6
364	Healthy inflamed lung environments differentially affect mesenchymal stromal cells. *European Respiratory Journal*, **2021**, 58,	13.2	4
363	Mesenchymal Stromal Cells From Emphysematous Donors and Their Extracellular Vesicles Are Unable to Reverse Cardiorespiratory Dysfunction in Experimental Severe Emphysema. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 661385	5.4	3
362	Mesenchymal Stromal (stem) Cell (MSC) therapy modulates miR-193b-5p expression to attenuate sepsis-induced acute lung injury. *European Respiratory Journal*, **2021**,	13.2	4
361	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
360	Tracheostomy Timing and Outcome in Severe COVID-19: The WeanTrach Multicenter Study. *Journal of Clinical Medicine*, **2021**, 10,	5	4
359	Early Effects of Passive Leg-Raising Test, Fluid Challenge, and Norepinephrine on Cerebral Autoregulation and Oxygenation in COVID-19 Critically Ill Patients. *Frontiers in Neurology*, **2021**, 12, 674466	4	6
358	The Role of Dysbiosis in Critically Ill Patients With COVID-19 and Acute Respiratory Distress Syndrome. *Frontiers in Medicine*, **2021**, 8, 671714	4.7	7
357	Infectious disease-associated encephalopathies. *Critical Care*, **2021**, 25, 236	10.5	7
356	The impact of fluid status and decremental PEEP strategy on cardiac function and lung and kidney damage in mild-moderate experimental acute respiratory distress syndrome. *Respiratory Research*, **2021**, 22, 214	7	3
355	Is there a place for mesenchymal stromal cell-based therapies in the therapeutic armamentarium against COVID-19?. *Stem Cell Research and Therapy*, **2021**, 12, 425	8	6

354	Ten golden rules for individualized mechanical ventilation in acute respiratory distress syndrome. *Journal of Intensive Medicine*, **2021**, 1, 42-51		4
353	Mechanical ventilation in neurocritical care setting: A clinical approach. *Baillieres Best Practice and Research in Clinical Anaesthesiology*, **2021**, 35, 207-220	3.9	1
352	Protective function of DJ-1/PARK7 in lipopolysaccharide and ventilator-induced acute lung injury. *Redox Biology*, **2021**, 38, 101796	10.9	15
351	Comparative effects of neurally adjusted ventilatory assist and variable pressure support on lung and diaphragmatic function in a model of acute respiratory distress syndrome: A randomised animal study. *European Journal of Anaesthesiology*, **2021**, 38, 32-40	2.2	0
350	Pathogenesis of Multiple Organ Injury in COVID-19 and Potential Therapeutic Strategies. *Frontiers in Physiology*, **2021**, 12, 593223	4.4	42
349	Mesenchymal Stromal Cell-Derived Extracellular Vesicles in Lung Diseases: Current Status and Perspectives. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 600711	5.4	16
348	Computed tomography assessment of PEEP-induced alveolar recruitment in patients with severe COVID-19 pneumonia. *Critical Care*, **2021**, 25, 81	10.5	31
347	Novel Synthetic and Natural Therapies for Traumatic Brain Injury. *Current Neuropharmacology*, **2021**, 19, 1661-1687	7.2	4
346	Impact of positive biphasic pressure during low and high inspiratory efforts in Pseudomonas aeruginosa-induced pneumonia. *PLoS ONE*, **2021**, 16, e0246891	3.6	5
345	Personalized mechanical ventilation in acute respiratory distress syndrome. *Critical Care*, **2021**, 25, 250	10.5	22
344	Impact of different frequencies of controlled breath and pressure-support levels during biphasic positive airway pressure ventilation on the lung and diaphragm in experimental mild acute respiratory distress syndrome. *PLoS ONE*, **2021**, 16, e0256021	3.6	1
343	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
342	Effects of Body Position and Hypovolemia on the Regional Distribution of Pulmonary Perfusion During One-Lung Ventilation in Endotoxemic Pigs. *Frontiers in Physiology*, **2021**, 12, 717269	4.4	0
341	Coagulative Disorders in Critically Ill COVID-19 Patients with Acute Distress Respiratory Syndrome: A Critical Review. *Journal of Clinical Medicine*, **2021**, 10,	5	13
340	Sepsis Disrupts Mitochondrial Function and Diaphragm Morphology. *Frontiers in Physiology*, **2021**, 12, 704044	4.4	2
339	Autologous bone marrow-derived mononuclear cell therapy in three patients with severe asthma. *Stem Cell Research and Therapy*, **2020**, 11, 167	8	6
338	Distinct phenotypes require distinct respiratory management strategies in severe COVID-19. *Respiratory Physiology and Neurobiology*, **2020**, 279, 103455	2.7	94
337	Gut Microbiota in Acute Ischemic Stroke: From Pathophysiology to Therapeutic Implications. *Frontiers in Neurology*, **2020**, 11, 598	4	31

336	Cell-based therapies for coronavirus disease 2019: proper clinical investigations are essential. *Cytotherapy*, **2020**, 22, 602-605	1.3	23
335	Nanoparticle-based thymulin gene therapy therapeutically reverses key pathology of experimental allergic asthma. *Science Advances*, **2020**, 6, eaay7973	13.9	15
334	The authors reply. *Critical Care Medicine*, **2020**, 48, e634-e635	1.3	
333	Elastic power but not driving power is the key promoter of ventilator-induced lung injury in experimental acute respiratory distress syndrome. *Critical Care*, **2020**, 24, 284	10.5	6
332	What have we learned from animal models of ventilator-induced lung injury?. *Intensive Care Medicine*, **2020**, 46, 2377-2380	14	6
331	Magnetic targeting increases mesenchymal stromal cell retention in lungs and enhances beneficial effects on pulmonary damage in experimental silicosis. *Stem Cells Translational Medicine*, **2020**, 9, 1244-1256	6.6	7
330	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
329	Sepsis Impairs Thyroid Hormone Signaling and Mitochondrial Function in the Mouse Diaphragm. *Thyroid*, **2020**, 30, 1079-1090	6	6
328	Estimating the Damaging Power of High-Stress Ventilation. *Respiratory Care*, **2020**, 65, 1046-1052	2	1
327	Effects of variable versus nonvariable controlled mechanical ventilation on pulmonary inflammation in experimental acute respiratory distress syndrome in pigs. *British Journal of Anaesthesia*, **2020**,	4.9	5
326	Effects of variable versus non-variable controlled mechanical ventilation: response to comment on Br J Anaesth 2020; 124: 430-9. *British Journal of Anaesthesia*, **2020**, 124, e224-e225	4.9	1
325	Ischaemic stroke-induced distal organ damage: pathophysiology and new therapeutic strategies. *Intensive Care Medicine Experimental*, **2020**, 8, 23	3.6	4
324	Pathophysiology and clinical consequences of arterial blood gases and pH after cardiac arrest. *Intensive Care Medicine Experimental*, **2020**, 8, 19	3.6	2
323	Fluids in ARDS: more pros than cons. *Intensive Care Medicine Experimental*, **2020**, 8, 32	3.6	2
322	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
321	Immunomodulatory effects of anesthetic agents in perioperative medicine. *Minerva Anestesiologica* , **2020**, 86, 181-195	1.8	3
320	Understanding the Mysteries of Mechanical Power. *Anesthesiology*, **2020**, 132, 949-950	4	2
319	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

318	A critical approach to personalised medicine in ARDS. *Lancet Respiratory Medicine,the*, **2020**, 8, 218-219	34.1	0
317	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
316	Static and Dynamic Transpulmonary Driving Pressures Affect Lung and Diaphragm Injury during Pressure-controlled versus Pressure-support Ventilation in Experimental Mild Lung Injury in Rats. *Anesthesiology*, **2020**, 132, 307-320	4	12
315	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
314	Cell-Free Therapies: Novel Approaches for COVID-19. *Frontiers in Immunology*, **2020**, 11, 583017	8.2	5
313	Chest physiotherapy: An important adjuvant in critically ill mechanically ventilated patients with COVID-19. *Respiratory Physiology and Neurobiology*, **2020**, 282, 103529	2.7	21
312	Niclosamide attenuates lung vascular remodeling in experimental pulmonary arterial hypertension. *European Journal of Pharmacology*, **2020**, 887, 173438	5.1	4
311	Emerging trends in COVID-19 treatment: learning from inflammatory conditions associated with cellular therapies. *Cytotherapy*, **2020**, 22, 474-481	1.3	21
310	Pros and cons of corticosteroid therapy for COVID-19 patients. *Respiratory Physiology and Neurobiology*, **2020**, 280, 103492	2.7	40
309	The renin-angiotensin-aldosterone system: Role in pathogenesis and potential therapeutic target in COVID-19. *Pharmacology Research and Perspectives*, **2020**, 8, e00623	3	7
308	Emerging pharmacological therapies for ARDS: COVID-19 and beyond. *Intensive Care Medicine*, **2020** , 46, 2265-2283	14	27
307	Escalate and De-Escalate Therapies for Intracranial Pressure Control in Traumatic Brain Injury. *Frontiers in Neurology*, **2020**, 11, 564751	4	5
306	Neurological Complications and Noninvasive Multimodal Neuromonitoring in Critically Ill Mechanically Ventilated COVID-19 Patients. *Frontiers in Neurology*, **2020**, 11, 602114	4	20
305	Response to letter to the editor: catastrophic antiphospholipid antibody syndrome and multiple organ dysfunctions in critically ill patients with COVID-19. *Expert Review of Respiratory Medicine*, **2020**, 14, 1073-1074	3.6	1
304	Role of the renin-angiotensin system in the development of severe COVID-19 in hypertensive patients. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2020**, 319, L596-L602	5.6	5
303	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
302	Effects of a novel roflumilast and formoterol fumarate dry powder inhaler formulation in experimental allergic asthma. *International Journal of Pharmaceutics*, **2020**, 588, 119771	6.3	4
301	In situ evidence of collagen V and signaling pathway of found inflammatory zone 1 (FIZZ1) is associated with silicotic granuloma in lung mice. *Pathology Research and Practice*, **2020**, 216, 153094	3.3	0

300	Combined therapy with adipose tissue-derived mesenchymal stromal cells and meglumine antimoniate controls lesion development and parasite load in murine cutaneous leishmaniasis caused by Leishmania amazonensis. *Stem Cell Research and Therapy*, **2020**, 11, 374	8	1
299	Iso-Oncotic Albumin Mitigates Brain and Kidney Injury in Experimental Focal Ischemic Stroke. *Frontiers in Neurology*, **2020**, 11, 1001	4	1
298	Mesenchymal stromal cells protect against vascular damage and depression-like behavior in mice surviving cerebral malaria. *Stem Cell Research and Therapy*, **2020**, 11, 367	8	7
297	Impact of experimental obesity on diaphragm structure, function, and bioenergetics. *Journal of Applied Physiology*, **2020**, 129, 1062-1074	3.6	3
296	Differential effects of the cystic fibrosis lung inflammatory environment on mesenchymal stromal cells. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2020**, 319, L908-L925	5.6	10
295	The potential of mesenchymal stem cell therapy for chronic lung disease. *Expert Review of Respiratory Medicine*, **2020**, 14, 31-39	3.6	58
294	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
293	Brain-heart interaction after acute ischemic stroke. *Critical Care*, **2020**, 24, 163	10.5	34
292	Current status of cell-based therapies for respiratory virus infections: applicability to COVID-19. *European Respiratory Journal*, **2020**, 55,	13.2	142
291	Acute respiratory distress syndrome subphenotypes and therapy responsive traits among preclinical models: protocol for a systematic review and meta-analysis. *Respiratory Research*, **2020**, 21, 81	7	8
290	Perioperative anaesthetic management of patients with or at risk of acute distress respiratory syndrome undergoing emergency surgery. *BMC Anesthesiology*, **2019**, 19, 153	2.4	7
289	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	8	15
288	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
287	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
286	Endotoxin-Induced Emphysema Exacerbation: A Novel Model of Chronic Obstructive Pulmonary Disease Exacerbations Causing Cardiopulmonary Impairment and Diaphragm Dysfunction. *Frontiers in Physiology*, **2019**, 10, 664	4.4	8
285	Intraoperative immunomodulatory effects of sevoflurane versus total intravenous anesthesia with propofol in bariatric surgery (the OBESITA trial): study protocol for a randomized controlled pilot trial. *Trials*, **2019**, 20, 300	2.7	2
284	Glutamine Therapy Reduces Inflammation and Extracellular Trap Release in Experimental Acute Respiratory Distress Syndrome of Pulmonary Origin. *Nutrients*, **2019**, 11,	6.4	9
283	Extracellular matrix components remodeling and lung function parameters in experimental emphysema and allergic asthma: Differences among the mouse strains. *Drug Discovery Today: Disease Models*, **2019**, 29-30, 27-34	1.2	

282	Current understanding of the immunosuppressive properties of mesenchymal stromal cells. *Journal of Molecular Medicine*, **2019**, 97, 605-618	5.4	41
281	Controversies when using mechanical ventilation in obese patients with and without acute distress respiratory syndrome. *Expert Review of Respiratory Medicine*, **2019**, 13, 471-479	3.6	3
280	Power to mechanical power to minimize ventilator-induced lung injury?. *Intensive Care Medicine Experimental*, **2019**, 7, 38	3.6	31
279	Effects of crystalloid, hyper-oncotic albumin, and iso-oncotic albumin on lung and kidney damage in experimental acute lung injury. *Respiratory Research*, **2019**, 20, 155	7	9
278	Effects of the FGF receptor-1 inhibitor, infigratinib, with or without sildenafil, in experimental pulmonary arterial hypertension. *British Journal of Pharmacology*, **2019**, 176, 4462-4473	8.3	6
277	Effects of Obesity on Pulmonary Inflammation and Remodeling in Experimental Moderate Acute Lung Injury. *Frontiers in Immunology*, **2019**, 10, 1215	8.2	17
276	The Potential of Factors Released from Mesenchymal Stromal Cells as Therapeutic Agents in the Lung **2019**, 57-70		1
275	Mechanical ventilation in patients with acute ischaemic stroke: from pathophysiology to clinical practice. *Critical Care*, **2019**, 23, 388	10.5	33
274	Effects of Protective Mechanical Ventilation With Different PEEP Levels on Alveolar Damage and Inflammation in a Model of Open Abdominal Surgery: A Randomized Study in Obese Versus Non-obese Rats. *Frontiers in Physiology*, **2019**, 10, 1513	4.4	4
273	Gradually Increasing Tidal Volume May Mitigate Experimental Lung Injury in Rats. *Anesthesiology*, **2019**, 130, 767-777	4	14
272	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
271	Cannabidiol reduces airway inflammation and fibrosis in experimental allergic asthma. *European Journal of Pharmacology*, **2019**, 843, 251-259	5.1	43
270	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
269	Biological Response to Time-Controlled Adaptive Ventilation Depends on Acute Respiratory Distress Syndrome Etiology. *Critical Care Medicine*, **2018**, 46, e609-e617	1.3	20
268	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
267	Effects of mesenchymal stromal cells play a role the oxidant/antioxidant balance in a murine model of asthma. *Allergologia Et Immunopathologia*, **2018**, 46, 136-143	1.8	14
266	Effects of pressure support ventilation on ventilator-induced lung injury in mild acute respiratory distress syndrome depend on level of positive end-expiratory pressure: A randomised animal study. *European Journal of Anaesthesiology*, **2018**, 35, 298-306	2.2	15
265	Therapeutic effect of Lipoxin A ˆin malaria-induced acute lung injury. *Journal of Leukocyte Biology*, **2018**, 103, 657-670	6.3	10

264	Close down the lungs and keep them resting to minimize ventilator-induced lung injury. *Critical Care*, **2018**, 22, 72	10.5	46
263	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
262	Therapeutic effects of adipose-tissue-derived mesenchymal stromal cells and their extracellular vesicles in experimental silicosis. *Respiratory Research*, **2018**, 19, 104	7	28
261	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
260	Impact of different intratracheal flows during lung decellularization on extracellular matrix composition and mechanics. *Regenerative Medicine*, **2018**, 13, 519-530	2.4	5
259	The Yin and Yang of Tyrosine Kinase Inhibition During Experimental Polymicrobial Sepsis. *Frontiers in Immunology*, **2018**, 9, 901	8.2	12
258	Eicosapentaenoic Acid Enhances the Effects of Mesenchymal Stromal Cell Therapy in Experimental Allergic Asthma. *Frontiers in Immunology*, **2018**, 9, 1147	8.2	27
257	Strategies to improve the therapeutic effects of mesenchymal stromal cells in respiratory diseases. *Stem Cell Research and Therapy*, **2018**, 9, 45	8	67
256	Effects of static magnetic fields on natural or magnetized mesenchymal stromal cells: Repercussions for magnetic targeting. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2018**, 14, 2075-2085	5.8	8
255	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
254	Role of the extracellular matrix in the genesis of ventilator-induced lung injury. *Medizinische Klinik - Intensivmedizin Und Notfallmedizin*, **2018**, 113, 2-6	3	6
253	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
252	The basics of respiratory mechanics: ventilator-derived parameters. *Annals of Translational Medicine* , **2018**, 6, 376	3.1	13
251	Impact of one versus two doses of mesenchymal stromal cells on lung and cardiovascular repair in experimental emphysema. *Stem Cell Research and Therapy*, **2018**, 9, 296	8	14
250	Focal ischemic stroke leads to lung injury and reduces alveolar macrophage phagocytic capability in rats. *Critical Care*, **2018**, 22, 249	10.5	28
249	Self-complementary and tyrosine-mutant rAAV vectors enhance transduction in cystic fibrosis bronchial epithelial cells. *Experimental Cell Research*, **2018**, 372, 99-107	4	3
248	Positive end-expiratory pressure titrated according to respiratory system mechanics or to ARDSNetwork table did not guarantee positive end-expiratory transpulmonary pressure in acute respiratory distress syndrome. *Journal of Critical Care*, **2018**, 48, 433-442	3.9	7
247	Preparation of Extracellular Vesicles from Mesenchymal Stem Cells. *Stem Cells in Clinical Applications*, **2018**, 37-51	0.2	

246	hMSCs as an alternative therapeutic option for asthma with neutrophil mediated inflammation. *Experimental and Molecular Medicine*, **2018**, 50, 1-2	12.3	2
245	Sevoflurane, Compared With Isoflurane, Minimizes Lung Damage in Pulmonary but Not in Extrapulmonary Acute Respiratory Distress Syndrome in Rats. *Anesthesia and Analgesia*, **2017**, 125, 491-498	3.7	8
244	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
243	Controlled invasive mechanical ventilation strategies in obese patients undergoing surgery. *Expert Review of Respiratory Medicine*, **2017**, 11, 443-452	3.6	7
242	The authors reply. *Critical Care Medicine*, **2017**, 45, e328-e329	1.3	3
241	Pathophysiology of Acute Respiratory Distress Syndrome **2017**, 15-27		1
240	Anti-inflammatory properties of anesthetic agents. *Critical Care*, **2017**, 21, 67	10.5	79
239	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
238	Magnetic targeting as a strategy to enhance therapeutic effects of mesenchymal stromal cells. *Stem Cell Research and Therapy*, **2017**, 8, 58	8	31
237	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
236	Distensibility index of the inferior vena cava in experimental acute respiratory distress syndrome. *Respiratory Physiology and Neurobiology*, **2017**, 237, 7-12	2.7	3
235	New perspectives in nanotherapeutics for chronic respiratory diseases. *Biophysical Reviews*, **2017**, 9, 793-803	3.6	36
234	Effects of pressure support and pressure-controlled ventilation on lung damage in a model of mild extrapulmonary acute lung injury with intra-abdominal hypertension. *PLoS ONE*, **2017**, 12, e0178207	3.6	6
233	Variable stretch reduces the pro-inflammatory response of alveolar epithelial cells. *PLoS ONE*, **2017** , 12, e0182369	3.6	12
232	Ghrelin therapy improves lung and cardiovascular function in experimental emphysema. *Respiratory Research*, **2017**, 18, 185	7	7
231	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
230	Therapeutic effects of bone marrow-derived mononuclear cells from healthy or silicotic donors on recipient silicosis mice. *Stem Cell Research and Therapy*, **2017**, 8, 259	8	9
229	Stem-cell extracellular vesicles and lung repair. *Stem Cell Investigation*, **2017**, 4, 78	4.9	33

228	Elastase-Induced Lung Emphysema Models in Mice. *Methods in Molecular Biology*, **2017**, 1639, 67-75	1.4	17
227	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
226	Effects of mechanical ventilation on gene expression profiles in renal allografts from brain dead rats. *Respiratory Physiology and Neurobiology*, **2017**, 246, 17-25	2.7	1
225	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
224	DJ-1/PARK7 Impairs Bacterial Clearance in Sepsis. *American Journal of Respiratory and Critical Care Medicine*, **2017**, 195, 889-905	9.7	46
223	Bosutinib Therapy Ameliorates Lung Inflammation and Fibrosis in Experimental Silicosis. *Frontiers in Physiology*, **2017**, 8, 159	4.4	35
222	Variable Ventilation Improved Respiratory System Mechanics and Ameliorated Pulmonary Damage in a Rat Model of Lung Ischemia-Reperfusion. *Frontiers in Physiology*, **2017**, 8, 257	4.4	5
221	Differential Regulation of Thyroid Hormone Metabolism Target Genes during Non-thyroidal [corrected] Illness Syndrome Triggered by Fasting or Sepsis in Adult Mice. *Frontiers in Physiology*, **2017**, 8, 828	4.4	8
220	Variability in Tidal Volume Affects Lung and Cardiovascular Function Differentially in a Rat Model of Experimental Emphysema. *Frontiers in Physiology*, **2017**, 8, 1071	4.4	11
219	Mesenchymal stromal cell therapy in COPD: from bench to bedside. *International Journal of COPD*, **2017**, 12, 3017-3027	2.9	31
218	Effects of Bone Marrow Mesenchymal Stromal Cell Therapy in Experimental Cutaneous Leishmaniasis in BALB/c Mice Induced by. *Frontiers in Immunology*, **2017**, 8, 893	8.2	14
217	Immunomodulatory effects of anesthetics in obese patients. *World Journal of Critical Care Medicine*, **2017**, 6, 140-152	2.7	5
216	Early impact of abdominal compartment syndrome on liver, kidney and lung damage in a rodent model. *Anaesthesiology Intensive Therapy*, **2017**, 49, 130-138	1.6	7
215	Comparison between effects of pressure support and pressure-controlled ventilation on lung and diaphragmatic damage in experimental emphysema. *Intensive Care Medicine Experimental*, **2016**, 4, 35	3.6	8
214	Tyrosine Mutation in AAV9 Capsid Improves Gene Transfer to the Mouse Lung. *Cellular Physiology and Biochemistry*, **2016**, 39, 544-53	3.7	9
213	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
212	Respiratory and Systemic Effects of LASSBio596 Plus Surfactant in Experimental Acute Respiratory Distress Syndrome. *Cellular Physiology and Biochemistry*, **2016**, 38, 821-35	3.7	8
211	Possible mechanisms of Pseudomonas aeruginosa-associated lung disease. *International Journal of Medical Microbiology*, **2016**, 306, 20-8	3.5	18

210	Better Physiology does not Necessarily Translate Into Improved Clinical Outcome. *Turkish Journal of Anaesthesiology and Reanimation*, **2016**, 44, 165-166	0.6	2
209	Recruitment maneuvers for acute respiratory distress syndrome: the panorama in 2016. *Revista Brasileira De Terapia Intensiva*, **2016**, 28, 104-6	1.1	3
208	In Response. *Anesthesia and Analgesia*, **2016**, 123, 790-1	3.7	1
207	A mortality score for acute respiratory distress syndrome: predicting the future without a crystal ball. *Journal of Thoracic Disease*, **2016**, 8, 1872-6	2.5	8
206	Dasatinib Reduces Lung Inflammation and Fibrosis in Acute Experimental Silicosis. *PLoS ONE*, **2016**, 11, e0147005	3.6	39
205	Association with Amino Acids Does Not Enhance Efficacy of Polymerized Liposomes As a System for Lung Gene Delivery. *Frontiers in Physiology*, **2016**, 7, 151	4.4	3
204	Comparison between Variable and Conventional Volume-Controlled Ventilation on Cardiorespiratory Parameters in Experimental Emphysema. *Frontiers in Physiology*, **2016**, 7, 277	4.4	8
203	Moderate Aerobic Training Improves Cardiorespiratory Parameters in Elastase-Induced Emphysema. *Frontiers in Physiology*, **2016**, 7, 329	4.4	8
202	Characterization of a Mouse Model of Emphysema Induced by Multiple Instillations of Low-Dose Elastase. *Frontiers in Physiology*, **2016**, 7, 457	4.4	25
201	Exogenous Glutamine in Respiratory Diseases: Myth or Reality?. *Nutrients*, **2016**, 8, 76	6.4	21
200	General Anesthesia Closes the Lungs: Keep Them Resting. *Turkish Journal of Anaesthesiology and Reanimation*, **2016**, 44, 163-164	0.6	12
199	In Reply. *Anesthesiology*, **2016**, 124, 974-5	4	
198	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
197	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
196	Reply to: how to minimise ventilator-induced lung injury in transplanted lungs. *European Journal of Anaesthesiology*, **2016**, 33, 300-1	2.2	
195	Fast Versus Slow Recruitment Maneuver at Different Degrees of Acute Lung Inflammation Induced by Experimental Sepsis. *Anesthesia and Analgesia*, **2016**, 122, 1089-100	3.7	14
194	Regular and moderate aerobic training before allergic asthma induction reduces lung inflammation and remodeling. *Scandinavian Journal of Medicine and Science in Sports*, **2016**, 26, 1360-1372	4.4	11
193	Variable ventilation improves pulmonary function and reduces lung damage without increasing bacterial translocation in a rat model of experimental pneumonia. *Respiratory Research*, **2016**, 17, 158	7	8

192	Immunomodulation after ischemic stroke: potential mechanisms and implications for therapy. *Critical Care*, **2016**, 20, 391	10.5	50
191	Ventilator-induced Lung Injury: Power to the Mechanical Power. *Anesthesiology*, **2016**, 125, 1070-1071	4	15
190	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
189	ARDS: what experimental models have taught us. *Intensive Care Medicine*, **2016**, 42, 806-810	14	11
188	Extracellular vesicles derived from mesenchymal stromal cells: a therapeutic option in respiratory diseases?. *Stem Cell Research and Therapy*, **2016**, 7, 53	8	70
187	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
186	Prospects and progress in cell therapy for acute respiratory distress syndrome. *Expert Opinion on Biological Therapy*, **2016**, 16, 1353-1360	5.2	22
185	Exogenous pulmonary surfactant prevents the development of intra-abdominal adhesions in rats. *Journal of Cellular and Molecular Medicine*, **2016**, 20, 632-43	5.5	6
184	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
183	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
182	Endotoxin-induced lung alveolar cell injury causes brain cell damage. *Experimental Biology and Medicine*, **2015**, 240, 135-42	3.6	14
181	Effects of lipopolysaccharide-induced inflammation on initial lung fibrosis during open-lung mechanical ventilation in rats. *Respiratory Physiology and Neurobiology*, **2015**, 212-214, 25-32	2.7	4
180	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
179	Mechanisms of ventilator-induced lung injury in healthy lungs. *Bailliere's Best Practice and Research in Clinical Anaesthesiology*, **2015**, 29, 301-13	3.9	35
178	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
177	Effects of acute hypercapnia with and without acidosis on lung inflammation and apoptosis in experimental acute lung injury. *Respiratory Physiology and Neurobiology*, **2015**, 205, 1-6	2.7	8
176	Mesenchymal Stromal Cell-Based Therapies for Lung Diseases and Critical Illnesses **2015**, 399-433		
175	How to minimise ventilator-induced lung injury in transplanted lungs: The role of protective ventilation and other strategies. *European Journal of Anaesthesiology*, **2015**, 32, 828-36	2.2	9

174	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
173	Hypoxic preconditioning enhances mesenchymal stromal cell lung repair capacity. *Stem Cell Research and Therapy*, **2015**, 6, 130	8	16
172	Expanded endothelial progenitor cells mitigate lung injury in septic mice. *Stem Cell Research and Therapy*, **2015**, 6, 230	8	17
171	Mesenchymal stromal cell therapy attenuated lung and kidney injury but not brain damage in experimental cerebral malaria. *Stem Cell Research and Therapy*, **2015**, 6, 102	8	15
170	In Reply. *Anesthesiology*, **2015**, 123, 1479-80	4	1
169	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
168	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
167	Biological Impact of Transpulmonary Driving Pressure in Experimental Acute Respiratory Distress Syndrome. *Anesthesiology*, **2015**, 123, 423-33	4	43
166	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
165	Therapeutic effects of LASSBio-596 in an elastase-induced mouse model of emphysema. *Frontiers in Physiology*, **2015**, 6, 267	4.4	14
164	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
163	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
162	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
161	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
160	FG-4497: a new target for acute respiratory distress syndrome?. *Expert Review of Respiratory Medicine*, **2015**, 9, 405-9	3.6	2
159	Challenges of Cell Therapy for Lung Diseases and Critical Illnesses. *Pancreatic Islet Biology*, **2015**, 93-112	0.4	
158	Effects of early and late pneumothorax drainage on the development of pulmonary oedema. *Respiratory Physiology and Neurobiology*, **2014**, 195, 27-36	2.7	2
157	Mesenchymal stem cell trials for pulmonary diseases. *Journal of Cellular Biochemistry*, **2014**, 115, 1023-31	4.6	63

156	Effects of inhalational anaesthetics in experimental allergic asthma. *Anaesthesia*, **2014**, 69, 573-82	6.5	13
155	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
154	Effects of short-term propofol and dexmedetomidine on pulmonary morphofunction and biological markers in experimental mild acute lung injury. *Respiratory Physiology and Neurobiology*, **2014**, 203, 45-50	2.7	16
153	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
152	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
151	DNA nanoparticle-mediated thymulin gene therapy prevents airway remodeling in experimental allergic asthma. *Journal of Controlled Release*, **2014**, 180, 125-33	11.4	42
150	Effects of Rho-kinase inhibition in lung tissue with chronic inflammation. *Respiratory Physiology and Neurobiology*, **2014**, 192, 134-46	2.7	32
149	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
148	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
147	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
146	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
145	Time course of pulmonary burden in mice exposed to residual oil fly ash. *Frontiers in Physiology*, **2014**, 5, 366	4.4	10
144	The biological effects of higher and lower positive end-expiratory pressure in pulmonary and extrapulmonary acute lung injury with intra-abdominal hypertension. *Critical Care*, **2014**, 18, R121	10.5	15
143	Effects of different mesenchymal stromal cell sources and delivery routes in experimental emphysema. *Respiratory Research*, **2014**, 15, 118	7	109
142	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
141	Fluids in acute respiratory distress syndrome: pros and cons. *Current Opinion in Critical Care*, **2014**, 20, 104-12	3.4	3
140	Intravenous glutamine administration reduces lung and distal organ injury in malnourished rats with sepsis. *Shock*, **2014**, 41, 222-32	3.2	19
139	Cell-based therapies for the acute respiratory distress syndrome. *Current Opinion in Critical Care*, **2014**, 20, 122-31	3.4	25

138	Ventilator-associated lung injury during assisted mechanical ventilation. *Seminars in Respiratory and Critical Care Medicine*, **2014**, 35, 409-17	3.8	30
137	Single tyrosine mutation in AAV8 vector capsid enhances gene lung delivery and does not alter lung morphofunction in mice. *Cellular Physiology and Biochemistry*, **2014**, 34, 681-90	3.7	11
136	Year in review in Intensive Care Medicine 2012: III. Noninvasive ventilation, monitoring and patient-ventilator interactions, acute respiratory distress syndrome, sedation, paediatrics and miscellanea. *Intensive Care Medicine*, **2013**, 39, 543-57	14	13
135	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
134	Lung Resident Stem Cells **2013**, 105-122		
133	Bone marrow-derived mononuclear cells vs. mesenchymal stromal cells in experimental allergic asthma. *Respiratory Physiology and Neurobiology*, **2013**, 187, 190-8	2.7	41
132	Early and late acute lung injury and their association with distal organ damage in murine malaria. *Respiratory Physiology and Neurobiology*, **2013**, 186, 65-72	2.7	13
131	Impact of Bacillus Calmette-Guﾨin Moreau vaccine on lung remodeling in experimental asthma. *Respiratory Physiology and Neurobiology*, **2013**, 189, 614-23	2.7	11
130	Biphasic positive airway pressure minimizes biological impact on lung tissue in mild acute lung injury independent of etiology. *Critical Care*, **2013**, 17, R228	10.5	16
129	Bone marrow mononuclear cell therapy in experimental allergic asthma: intratracheal versus intravenous administration. *Respiratory Physiology and Neurobiology*, **2013**, 185, 615-24	2.7	23
128	Oleanolic acid improves pulmonary morphofunctional parameters in experimental sepsis by modulating oxidative and apoptotic processes. *Respiratory Physiology and Neurobiology*, **2013**, 189, 484-90	2.7	9
127	Year in review in Intensive Care Medicine 2012. II: Pneumonia and infection, sepsis, coagulation, hemodynamics, cardiovascular and microcirculation, critical care organization, imaging, ethics and legal issues. *Intensive Care Medicine*, **2013**, 39, 345-64	14	8
126	Year in review in Intensive Care Medicine 2012: I. Neurology and neurointensive care, epidemiology and nephrology, biomarkers and inflammation, nutrition, experimentals. *Intensive Care Medicine*, **2013**, 39, 232-46	14	9
125	Insult-dependent effect of bone marrow cell therapy on inflammatory response in a murine model of extrapulmonary acute respiratory distress syndrome. *Stem Cell Research and Therapy*, **2013**, 4, 123	8	15
124	Bone marrow-derived mononuclear cells promote improvement in glomerular function in rats with early diabetic nephropathy. *Cellular Physiology and Biochemistry*, **2013**, 32, 699-718	3.7	10
123	Repeated administration of bone marrow-derived cells prevents disease progression in experimental silicosis. *Cellular Physiology and Biochemistry*, **2013**, 32, 1681-94	3.7	26
122	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
121	Effects of intravascular volume replacement on lung and kidney function and damage in nonseptic experimental lung injury. *Anesthesiology*, **2013**, 118, 395-408	4	23

120	Recruitment maneuvers modulate epithelial and endothelial cell response according to acute lung injury etiology. *Critical Care Medicine*, **2013**, 41, e256-65	1.3	45
119	Heme oxygenase inhibition enhances neutrophil migration into the bronchoalveolar spaces and improves the outcome of murine pneumonia-induced sepsis. *Shock*, **2013**, 39, 389-96	3.2	15
118	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
117	Nanoparticle-based therapy for respiratory diseases. *Anais Da Academia Brasileira De Ciencias*, **2013**, 85, 137-46	1.3	30
116	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
115	Year in review in Intensive Care Medicine 2011: I. Nephrology, epidemiology, nutrition and therapeutics, neurology, ethical and legal issues, experimentals. *Intensive Care Medicine*, **2012**, 38, 192-209	14	13
114	Effects of different tidal volumes in pulmonary and extrapulmonary lung injury with or without intraabdominal hypertension. *Intensive Care Medicine*, **2012**, 38, 499-508	14	15
113	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
112	Effects of pentoxifylline on intestinal bacterial overgrowth, bacterial translocation and spontaneous bacterial peritonitis in cirrhotic rats with ascites. *Digestive and Liver Disease*, **2012**, 44, 239-44	3.2	15
111	Vital capacity and inspiratory capacity as additional parameters to evaluate bronchodilator response in asthmatic patients: a cross sectional study. *BMC Pulmonary Medicine*, **2012**, 12, 49	3.3	4
110	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
109	Pathophysiology of ventilator-associated lung injury. *Current Opinion in Anaesthesiology*, **2012**, 25, 123-30	2.9	46
108	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
107	Intratracheal instillation of lipopolymeric vectors and the effect on mice lung physiology. *Cellular Physiology and Biochemistry*, **2012**, 29, 791-8	3.7	2
106	Adeno-associated virus for cystic fibrosis gene therapy. *Brazilian Journal of Medical and Biological Research*, **2011**, 44, 1097-104	2.7	1
105	Developing a new experimental model of abdominal compartment syndrome. *Revista Do Colegio Brasileiro De Cirurgioes*, **2011**, 38, 417-21	0.5	7
104	Elastase-induced pulmonary emphysema: insights from experimental models. *Anais Da Academia Brasileira De Ciencias*, **2011**, 83, 1385-96	1.3	63
103	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

102	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
101	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
100	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
99	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
98	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
97	Time course of lung inflammatory and fibrogenic responses during protective mechanical ventilation in healthy rats. *Respiratory Physiology and Neurobiology*, **2011**, 178, 323-8	2.7	9
96	Effects of oleanolic acid on pulmonary morphofunctional and biochemical variables in experimental acute lung injury. *Respiratory Physiology and Neurobiology*, **2011**, 179, 129-36	2.7	17
95	On the crucial ventilatory setting adjustment from two- to one-lung ventilation. *Respiratory Physiology and Neurobiology*, **2011**, 179, 198-204	2.7	5
94	Mechanisms of cellular therapy in respiratory diseases. *Intensive Care Medicine*, **2011**, 37, 1421-31	14	48
93	The lung and the brain: a dangerous cross-talk. *Critical Care*, **2011**, 15, 168	10.5	42
92	Glucocorticoid treatment in acute lung injury and acute´respiratory distress syndrome. *Critical Care Clinics*, **2011**, 27, 589-607	4.3	43
91	Bone marrow-derived mononuclear cell therapy attenuates silica-induced lung fibrosis. *European Respiratory Journal*, **2011**, 37, 1217-25	13.2	38
90	Understanding the mechanisms of glutamine action in critically ill patients. *Anais Da Academia Brasileira De Ciencias*, **2010**, 82, 417-30	1.3	33
89	Prolonged glucocorticoid treatment and secondary prevention in acute respiratory distress syndrome. *Expert Review of Respiratory Medicine*, **2010**, 4, 201-10	3.6	16
88	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
87	Sex-specific lung remodeling and inflammation changes in experimental allergic asthma. *Journal of Applied Physiology*, **2010**, 109, 855-63	3.6	38
86	New and conventional strategies for lung recruitment in acute respiratory distress syndrome. *Critical Care*, **2010**, 14, 210	10.5	27
85	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

84	Open lung approach associated with high-frequency oscillatory or low tidal volume mechanical ventilation improves respiratory function and minimizes lung injury in healthy and injured rats. *Critical Care*, **2010**, 14, R183	10.5	17
83	Bone marrow-derived mononuclear cell therapy in experimental pulmonary and extrapulmonary acute lung injury. *Critical Care Medicine*, **2010**, 38, 1733-41	1.3	54
82	Recruitment maneuver in experimental acute lung injury: the role of alveolar collapse and edema. *Critical Care Medicine*, **2010**, 38, 2207-14	1.3	40
81	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
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, 1417-26	14	41
79	Degree of endothelium injury promotes fibroelastogenesis in experimental acute lung injury. *Respiratory Physiology and Neurobiology*, **2010**, 173, 179-88	2.7	15
78	Corticosteroids therapy in pediatric acute respiratory distress syndrome. *Revista Brasileira De Terapia Intensiva*, **2010**, 22, 384-94	1.1	2
77	Early short-term versus prolonged low-dose methylprednisolone therapy in acute lung injury. *European Respiratory Journal*, **2009**, 33, 634-45	13.2	20
76	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
75	Single and repeated bleomycin intratracheal instillations lead to different biomechanical changes in lung tissue. *Respiratory Physiology and Neurobiology*, **2009**, 166, 41-6	2.7	11
74	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
73	Does the use of recombinant AAV5 in pulmonary gene therapy lead to lung damage?. *Respiratory Physiology and Neurobiology*, **2009**, 168, 203-9	2.7	4
72	Recruitment maneuver: RAMP versus CPAP pressure profile in a model of acute lung injury. *Respiratory Physiology and Neurobiology*, **2009**, 169, 62-8	2.7	15
71	Intratracheal instillation of bone marrow-derived cell in an experimental model of silicosis. *Respiratory Physiology and Neurobiology*, **2009**, 169, 227-33	2.7	26
70	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
69	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
68	Intravenous glutamine decreases lung and distal organ injury in an experimental model of abdominal sepsis. *Critical Care*, **2009**, 13, R74	10.5	45
67	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

66	Lung parenchyma remodeling in acute respiratory distress syndrome. *Minerva Anestesiologica*, **2009**, 75, 730-40	1.8	43
65	Stem cell therapy in acute respiratory distress syndrome. *Revista Brasileira De Terapia Intensiva*, **2009**, 21, 51-7	1.1	
64	Controversies involving hypercapnic acidosis in acute respiratory distress syndrome. *Revista Brasileira De Terapia Intensiva*, **2009**, 21, 404-15	1.1	
63	Microcrystalline cellulose induces time-dependent lung functional and inflammatory changes. *Respiratory Physiology and Neurobiology*, **2008**, 164, 331-7	2.7	4
62	Inflammatory related changes in lung tissue mechanics after bleomycin-induced lung injury. *Respiratory Physiology and Neurobiology*, **2008**, 160, 196-203	2.7	8
61	Effects of different nutritional support on lung mechanics and remodelling in undernourished rats. *Respiratory Physiology and Neurobiology*, **2008**, 160, 54-64	2.7	3
60	Does the use of recombinant AAV2 in pulmonary gene therapy damage lung function?. *Respiratory Physiology and Neurobiology*, **2008**, 160, 91-8	2.7	3
59	Impact of lung remodelling on respiratory mechanics in a model of severe allergic inflammation. *Respiratory Physiology and Neurobiology*, **2008**, 160, 239-48	2.7	14
58	Effects of amiodarone on lung tissue mechanics and parenchyma remodeling. *Respiratory Physiology and Neurobiology*, **2008**, 162, 126-31	2.7	0
57	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
56	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
55	Pulmonary morphofunctional effects of mechanical ventilation with high inspiratory air flow. *Critical Care Medicine*, **2008**, 36, 232-9	1.3	25
54	Recruitment maneuver in pulmonary and extrapulmonary experimental acute lung injury. *Critical Care Medicine*, **2008**, 36, 1900-8	1.3	78
53	Pulmonary and extrapulmonary acute respiratory distress syndrome: myth or reality?. *Current Opinion in Critical Care*, **2008**, 14, 50-5	3.4	52
52	Stem cells and respiratory diseases. *Brazilian Archives of Biology and Technology*, **2008**, 51, 23-30	1.8	
51	Effects of mechanical ventilation on the extracellular matrix. *Intensive Care Medicine*, **2008**, 34, 631-9	14	84
50	Airway closure: the silent killer of peripheral airways. *Critical Care*, **2007**, 11, 114	10.5	24
49	JMF2-1, a lidocaine derivative acting on airways spasm and lung allergic inflammation in rats. *Journal of Allergy and Clinical Immunology*, **2007**, 119, 219-25	4	14

48	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
47	Lung mechanics and histology during sevoflurane anesthesia in a model of chronic allergic asthma. *Anesthesia and Analgesia*, **2007**, 104, 631-7	3.7	32
46	Effects of microcystin-LR on mouse lungs. *Toxicon*, **2007**, 50, 330-8	1.6	47
45	Bench-to-bedside review: the role of glycosaminoglycans in respiratory disease. *Critical Care*, **2006**, 10, 237	10.5	71
44	Mouse strain dependence of lung tissue mechanics: role of specific extracellular matrix composition. *Respiratory Physiology and Neurobiology*, **2006**, 152, 186-96	2.7	11
43	Respiratory changes in a murine model of spontaneous systemic lupus erythematosus. *Respiratory Physiology and Neurobiology*, **2006**, 153, 107-14	2.7	4
42	Effects of dexmedetomidine on respiratory mechanics and control of breathing in normal rats. *Respiratory Physiology and Neurobiology*, **2006**, 154, 342-50	2.7	9
41	Understanding the mechanisms of lung mechanical stress. *Brazilian Journal of Medical and Biological Research*, **2006**, 39, 697-706	2.7	37
40	Time course of lung parenchyma remodeling in pulmonary and extrapulmonary acute lung injury. *Journal of Applied Physiology*, **2006**, 100, 98-106	3.6	82
39	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
38	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
37	Pulmonary and extrapulmonary acute lung injury: inflammatory and ultrastructural analyses. *Journal of Applied Physiology*, **2005**, 98, 1777-83	3.6	133
36	Pulmonary and extrapulmonary acute respiratory distress syndrome: are they different?. *Current Opinion in Critical Care*, **2005**, 11, 10-7	3.4	57
35	Positive end-expiratory pressure prevents lung mechanical stress caused by recruitment/derecruitment. *Journal of Applied Physiology*, **2005**, 98, 53-61	3.6	72
34	Corticosteroids in acute respiratory distress syndrome. *Brazilian Journal of Medical and Biological Research*, **2005**, 38, 147-59	2.7	28
33	Toxicity of a cyanobacterial extract containing microcystins to mouse lungs. *Brazilian Journal of Medical and Biological Research*, **2004**, 37, 1225-9	2.7	18
32	Fisiopatologia e manejo cl□ico da ventila□ seletiva. *Jornal Brasileiro De Pneumologia*, **2004**, 30, 566-573	1.1	3
31	Effects of propofol on respiratory mechanic and lung histology in normal rats. *British Journal of Anaesthesia*, **2004**, 92, 737-40	4.9	22

30	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
29	Respiratory mechanics and pleural remodelling in pleurodesis induced by barium sulphate. *Respiratory Physiology and Neurobiology*, **2004**, 139, 271-80	2.7	2
28	Time course of respiratory mechanics and pulmonary structural remodelling in acute lung injury. *Respiratory Physiology and Neurobiology*, **2004**, 143, 49-61	2.7	20
27	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
26	Effects of undernutrition on respiratory mechanics and lung parenchyma remodeling. *Journal of Applied Physiology*, **2004**, 97, 1888-96	3.6	20
25	Therapeutic potential of a new phosphodiesterase inhibitor in acute lung injury. *European Respiratory Journal*, **2003**, 22, 20-7	13.2	43
24	Inibidores de fosfodiesterases: novas perspectivas de uma antiga terapia na asma?. *Jornal De Pneumologia*, **2003**, 29, 405-412		2
23	On the preparation of lung strip for tissue mechanics measurement. *Respiratory Physiology and Neurobiology*, **2003**, 134, 255-62	2.7	8
22	Evaluation of respiratory mechanics and lung histology in a model of atelectasis. *Respiratory Physiology and Neurobiology*, **2003**, 137, 61-8	2.7	3
21	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
20	Comparison of rat and mouse pulmonary tissue mechanical properties and histology. *Journal of Applied Physiology*, **2002**, 92, 230-4	3.6	25
19	Apoptosis underlies immunopathogenic mechanisms in acute silicosis. *American Journal of Respiratory Cell and Molecular Biology*, **2002**, 27, 78-84	5.5	57
18	The effect of experimental pleurodesis caused by aluminum hydroxide on lung and chest wall mechanics. *Lung*, **2001**, 179, 293-303	2.8	6
17	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
16	Fas ligand triggers pulmonary silicosis. *Journal of Experimental Medicine*, **2001**, 194, 155-64	16.2	96
15	Lung tissue mechanics and extracellular matrix composition in a murine model of silicosis. *Journal of Applied Physiology*, **2001**, 90, 1400-6	3.6	50
14	Respiratory mechanics and morphometric changes during anesthesia with ketamine in normal rats. *Brazilian Journal of Medical and Biological Research*, **2001**, 34, 1217-23	2.7	4
13	Respiratory mechanics and lung histology in normal rats anesthetized with sevoflurane. *Journal of Applied Physiology*, **2001**, 91, 803-10	3.6	23

12	Suture or prosthetic reconstruction of experimental diaphragmatic defects. *Chest*, **2000**, 117, 1443-8	1.2	12
11	Effects of halothane on respiratory mechanics and lung histopathology in normal rats. *British Journal of Anaesthesia*, **2000**, 84, 372-7	4.9	26
10	Temporal evolution of pneumothorax: respiratory mechanical and histopathological study. *Respiration Physiology*, **2000**, 119, 41-50		5
9	Effects of prosthetic reconstruction of the abdominal wall on respiratory mechanics in rats. *Respiration Physiology*, **1999**, 115, 35-43		3
8	Pulmonary morphofunctional effects of acute myocardial infarction. *European Respiratory Journal*, **1999**, 14, 751-8	13.2	2
7	Respiratory mechanics after prosthetic reconstruction of the chest wall in normal rats. *Chest*, **1998**, 113, 1667-72	1.2	10
6	Respiratory mechanics and morphometric changes during pneumoperitoneum in normal rats. *European Respiratory Journal*, **1997**, 10, 1321-6	13.2	4
5	Effects of uni- and bilateral phrenicotomy on active and passive respiratory mechanics in rats. *Respiration Physiology*, **1997**, 110, 9-18		8
4	Respiratory mechanics after chronic diethylcarbamazine. *Respiration Physiology*, **1997**, 108, 73-7		
3	Modelling the mechanical effects of tracheal tubes in normal subjects. *European Respiratory Journal* , **1995**, 8, 121-6	13.2	15
2	Effect of salicylate on respiratory mechanics and postinspiratory muscle pressure. *Respiration Physiology*, **1994**, 97, 189-98		3
1	Early use of nitazoxanide in mild Covid-19 disease: randomized, placebo-controlled trial		5