# Patricia R M Rocco

## List of Publications by Citations

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| 389 | 8,438 | 45 | 64 |
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| papers | citations | h-index | g-index |
| 452 | 10,570 | 5.1 | 6.49 |
| ext. papers | ext. citations | avg, IF | 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 | 4.3 | 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 | 6.9 | 146 |
| 387 | Current status of cell-based therapies for respiratory virus infections: applicability to COVID-19. *European Respiratory Journal*, **2020**, 55, | 13.6 | 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 | 10.2 | 135 |
| 385 | Pulmonary and extrapulmonary acute lung injury: inflammatory and ultrastructural analyses. *Journal of Applied Physiology*, **2005**, 98, 1777-83 | 3.7 | 133 |
| 384 | Effects of different mesenchymal stromal cell sources and delivery routes in experimental emphysema. *Respiratory Research*, **2014**, 15, 118 | 7.3 | 109 |
| 383 | Fas ligand triggers pulmonary silicosis. *Journal of Experimental Medicine*, **2001**, 194, 155-64 | 16.6 | 96 |
| 382 | Distinct phenotypes require distinct respiratory management strategies in severe COVID-19. *Respiratory Physiology and Neurobiology*, **2020**, 279, 103455 | 2.8 | 94 |
| 381 | Effects of mechanical ventilation on the extracellular matrix. *Intensive Care Medicine*, **2008**, 34, 631-9 | 14.5 | 84 |
| 380 | Time course of lung parenchyma remodeling in pulmonary and extrapulmonary acute lung injury. *Journal of Applied Physiology*, **2006**, 100, 98-106 | 3.7 | 82 |
| 379 | Anti-inflammatory properties of anesthetic agents. *Critical Care*, **2017**, 21, 67 | 10.8 | 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 | 10.2 | 79 |
| 377 | Recruitment maneuver in pulmonary and extrapulmonary experimental acute lung injury. *Critical Care Medicine*, **2008**, 36, 1900-8 | 1.4 | 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 | 10.2 | 73 |
| 375 | Positive end-expiratory pressure prevents lung mechanical stress caused by recruitment/derecruitment. *Journal of Applied Physiology*, **2005**, 98, 53-61 | 3.7 | 72 |
| 374 | Bench-to-bedside review: the role of glycosaminoglycans in respiratory disease. *Critical Care*, **2006**, 10, 237 | 10.8 | 71 |
| 373 | Extracellular vesicles derived from mesenchymal stromal cells: a therapeutic option in respiratory diseases?. *Stem Cell Research and Therapy*, **2016**, 7, 53 | 8.3 | 70 |

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| 372 | Strategies to improve the therapeutic effects of mesenchymal stromal cells in respiratory diseases. *Stem Cell Research and Therapy*, **2018**, 9, 45 | 8.3 | 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 | 8.3 | 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 | 8.6 | 66 |
| 369 | Mesenchymal stem cell trials for pulmonary diseases. *Journal of Cellular Biochemistry*, **2014**, 115, 1023-32 | 4.7 | 63 |
| 368 | Elastase-induced pulmonary emphysema: insights from experimental models. *Anais Da Academia Brasileira De Ciencias*, **2011**, 83, 1385-96 | 1.4 | 63 |
| 367 | Comparative Effects of Volutrauma and Atelectrauma on Lung Inflammation in Experimental Acute Respiratory Distress Syndrome. *Critical Care Medicine*, **2016**, 44, e854-65 | 1.4 | 62 |
| 366 | The potential of mesenchymal stem cell therapy for chronic lung disease. *Expert Review of Respiratory Medicine*, **2020**, 14, 31-39 | 3.8 | 58 |
| 365 | Pulmonary and extrapulmonary acute respiratory distress syndrome: are they different?. *Current Opinion in Critical Care*, **2005**, 11, 10-7 | 3.5 | 57 |
| 364 | Apoptosis underlies immunopathogenic mechanisms in acute silicosis. *American Journal of Respiratory Cell and Molecular Biology*, **2002**, 27, 78-84 | 5.7 | 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 | 6.9 | 55 |
| 362 | Bone marrow-derived mononuclear cell therapy in experimental pulmonary and extrapulmonary acute lung injury. *Critical Care Medicine*, **2010**, 38, 1733-41 | 1.4 | 54 |
| 361 | Early use of nitazoxanide in mild COVID-19 disease: randomised, placebo-controlled trial. *European Respiratory Journal*, **2021**, 58, | 13.6 | 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 | 6.9 | 52 |
| 359 | Pulmonary and extrapulmonary acute respiratory distress syndrome: myth or reality?. *Current Opinion in Critical Care*, **2008**, 14, 50-5 | 3.5 | 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 | 6.9 | 51 |
| 357 | Lung tissue mechanics and extracellular matrix composition in a murine model of silicosis. *Journal of Applied Physiology*, **2001**, 90, 1400-6 | 3.7 | 50 |
| 356 | Immunomodulation after ischemic stroke: potential mechanisms and implications for therapy. *Critical Care*, **2016**, 20, 391 | 10.8 | 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 | 1.4 | 49 |

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| 354 | Mechanisms of cellular therapy in respiratory diseases. *Intensive Care Medicine*, **2011**, 37, 1421-31 | 14.5 | 48 |
| 353 | The extracellular matrix of the lung and its role in edema formation. *Anais Da Academia Brasileira De Ciencias*, **2007**, 79, 285-97 | 1.4 | 47 |
| 352 | Effects of microcystin-LR on mouse lungs. *Toxicon*, **2007**, 50, 330-8 | 2.8 | 47 |
| 351 | Close down the lungs and keep them resting to minimize ventilator-induced lung injury. *Critical Care*, **2018**, 22, 72 | 10.8 | 46 |
| 350 | DJ-1/PARK7 Impairs Bacterial Clearance in Sepsis. *American Journal of Respiratory and Critical Care Medicine*, **2017**, 195, 889-905 | 10.2 | 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 | 1.4 | 45 |
| 347 | Intravenous glutamine decreases lung and distal organ injury in an experimental model of abdominal sepsis. *Critical Care*, **2009**, 13, R74 | 10.8 | 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 | 10.2 | 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 | 1.4 | 44 |
| 344 | Biological Impact of Transpulmonary Driving Pressure in Experimental Acute Respiratory Distress Syndrome. *Anesthesiology*, **2015**, 123, 423-33 | 4.3 | 43 |
| 343 | Glucocorticoid treatment in acute lung injury and acute´respiratory distress syndrome. *Critical Care Clinics*, **2011**, 27, 589-607 | 4.5 | 43 |
| 342 | Therapeutic potential of a new phosphodiesterase inhibitor in acute lung injury. *European Respiratory Journal*, **2003**, 22, 20-7 | 13.6 | 43 |
| 341 | Cannabidiol reduces airway inflammation and fibrosis in experimental allergic asthma. *European Journal of Pharmacology*, **2019**, 843, 251-259 | 5.3 | 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 | 1.4 | 43 |
| 339 | Lung parenchyma remodeling in acute respiratory distress syndrome. *Minerva Anestesiologica*, **2009**, 75, 730-40 | 1.9 | 43 |
| 338 | DNA nanoparticle-mediated thymulin gene therapy prevents airway remodeling in experimental allergic asthma. *Journal of Controlled Release*, **2014**, 180, 125-33 | 11.7 | 42 |
| 337 | The lung and the brain: a dangerous cross-talk. *Critical Care*, **2011**, 15, 168 | 10.8 | 42 |

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| 336 | Pathogenesis of Multiple Organ Injury in COVID-19 and Potential Therapeutic Strategies. *Frontiers in Physiology*, **2021**, 12, 593223 | 4.6 | 42 |
| 335 | Current understanding of the immunosuppressive properties of mesenchymal stromal cells. *Journal of Molecular Medicine*, **2019**, 97, 605-618 | 5.5 | 41 |
| 334 | Bone marrow-derived mononuclear cells vs. mesenchymal stromal cells in experimental allergic asthma. *Respiratory Physiology and Neurobiology*, **2013**, 187, 190-8 | 2.8 | 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 | 14.5 | 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 | 14.5 | 41 |
| 331 | Recruitment maneuver in experimental acute lung injury: the role of alveolar collapse and edema. *Critical Care Medicine*, **2010**, 38, 2207-14 | 1.4 | 40 |
| 330 | Pros and cons of corticosteroid therapy for COVID-19 patients. *Respiratory Physiology and Neurobiology*, **2020**, 280, 103492 | 2.8 | 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 | 8.3 | 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 | 2.8 | 39 |
| 327 | Dasatinib Reduces Lung Inflammation and Fibrosis in Acute Experimental Silicosis. *PLoS ONE*, **2016**, 11, e0147005 | 3.7 | 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 | 7.4 | 39 |
| 325 | Sex-specific lung remodeling and inflammation changes in experimental allergic asthma. *Journal of Applied Physiology*, **2010**, 109, 855-63 | 3.7 | 38 |
| 324 | Bone marrow-derived mononuclear cell therapy attenuates silica-induced lung fibrosis. *European Respiratory Journal*, **2011**, 37, 1217-25 | 13.6 | 38 |
| 323 | Understanding the mechanisms of lung mechanical stress. *Brazilian Journal of Medical and Biological Research*, **2006**, 39, 697-706 | 2.8 | 37 |
| 322 | New perspectives in nanotherapeutics for chronic respiratory diseases. *Biophysical Reviews*, **2017**, 9, 793-803 | 3.7 | 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 | 10.8 | 36 |
| 320 | Mechanisms of ventilator-induced lung injury in healthy lungs. *Baillieres Best Practice and Research in Clinical Anaesthesiology*, **2015**, 29, 301-13 | 4 | 35 |
| 319 | Bosutinib Therapy Ameliorates Lung Inflammation and Fibrosis in Experimental Silicosis. *Frontiers in Physiology*, **2017**, 8, 159 | 4.6 | 35 |

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| 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 | 2.8 | 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 | 5 | 34 |
| 316 | Brain-heart interaction after acute ischemic stroke. *Critical Care*, **2020**, 24, 163 | 10.8 | 34 |
| 315 | Stem-cell extracellular vesicles and lung repair. *Stem Cell Investigation*, **2017**, 4, 78 | 5.1 | 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 | 14.5 | 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 | 1.4 | 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 | 3.5 | 33 |
| 311 | Understanding the mechanisms of glutamine action in critically ill patients. *Anais Da Academia Brasileira De Ciencias*, **2010**, 82, 417-30 | 1.4 | 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 | 1.4 | 33 |
| 309 | Mechanical ventilation in patients with acute ischaemic stroke: from pathophysiology to clinical practice. *Critical Care*, **2019**, 23, 388 | 10.8 | 33 |
| 308 | Effects of Rho-kinase inhibition in lung tissue with chronic inflammation. *Respiratory Physiology and Neurobiology*, **2014**, 192, 134-46 | 2.8 | 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 | 3.5 | 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 | 5.8 | 32 |
| 305 | Lung mechanics and histology during sevoflurane anesthesia in a model of chronic allergic asthma. *Anesthesia and Analgesia*, **2007**, 104, 631-7 | 3.9 | 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 | 3.9 | 31 |
| 303 | Magnetic targeting as a strategy to enhance therapeutic effects of mesenchymal stromal cells. *Stem Cell Research and Therapy*, **2017**, 8, 58 | 8.3 | 31 |
| 302 | Gut Microbiota in Acute Ischemic Stroke: From Pathophysiology to Therapeutic Implications. *Frontiers in Neurology*, **2020**, 11, 598 | 4.1 | 31 |
| 301 | Power to mechanical power to minimize ventilator-induced lung injury?. *Intensive Care Medicine Experimental*, **2019**, 7, 38 | 3.7 | 31 |

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| 300 | Mesenchymal stromal cell therapy in COPD: from bench to bedside. *International Journal of COPD*, **2017**, 12, 3017-3027 | 3 | 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 | 4 | 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 | 4.1 | 31 |
| 297 | Computed tomography assessment of PEEP-induced alveolar recruitment in patients with severe COVID-19 pneumonia. *Critical Care*, **2021**, 25, 81 | 10.8 | 31 |
| 296 | Ventilator-associated lung injury during assisted mechanical ventilation. *Seminars in Respiratory and Critical Care Medicine*, **2014**, 35, 409-17 | 3.9 | 30 |
| 295 | Nanoparticle-based therapy for respiratory diseases. *Anais Da Academia Brasileira De Ciencias*, **2013**, 85, 137-46 | 1.4 | 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 | 3.5 | 29 |
| 293 | Pulmonary antifibrotic mechanisms aspirin-triggered lipoxin A(4) synthetic analog. *American Journal of Respiratory Cell and Molecular Biology*, **2013**, 49, 1029-37 | 5.7 | 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 | 8.4 | 28 |
| 291 | Therapeutic effects of adipose-tissue-derived mesenchymal stromal cells and their extracellular vesicles in experimental silicosis. *Respiratory Research*, **2018**, 19, 104 | 7.3 | 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 | 5.7 | 28 |
| 289 | IL-13 immunotoxin accelerates resolution of lung pathological changes triggered by silica particles in mice. *Journal of Immunology*, **2013**, 191, 5220-9 | 5.3 | 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 | 3.8 | 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 | 2.8 | 28 |
| 286 | Corticosteroids in acute respiratory distress syndrome. *Brazilian Journal of Medical and Biological Research*, **2005**, 38, 147-59 | 2.8 | 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 | 6.9 | 28 |
| 284 | Focal ischemic stroke leads to lung injury and reduces alveolar macrophage phagocytic capability in rats. *Critical Care*, **2018**, 22, 249 | 10.8 | 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 | 4.3 | 27 |

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| 282 | Eicosapentaenoic Acid Enhances the Effects of Mesenchymal Stromal Cell Therapy in Experimental Allergic Asthma. *Frontiers in Immunology*, **2018**, 9, 1147 | 8.4 | 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 | 3 | 27 |
| 280 | New and conventional strategies for lung recruitment in acute respiratory distress syndrome. *Critical Care*, **2010**, 14, 210 | 10.8 | 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 | 2.8 | 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 | 3.7 | 27 |
| 277 | Emerging pharmacological therapies for ARDS: COVID-19 and beyond. *Intensive Care Medicine*, **2020** , 46, 2265-2283 | 14.5 | 27 |
| 276 | The tyrosine kinase inhibitor dasatinib reduces lung inflammation and remodelling in experimental allergic asthma. *British Journal of Pharmacology*, **2016**, 173, 1236-47 | 8.6 | 27 |
| 275 | Repeated administration of bone marrow-derived cells prevents disease progression in experimental silicosis. *Cellular Physiology and Biochemistry*, **2013**, 32, 1681-94 | 3.9 | 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 | 2.8 | 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 | 2.8 | 26 |
| 272 | Intratracheal instillation of bone marrow-derived cell in an experimental model of silicosis. *Respiratory Physiology and Neurobiology*, **2009**, 169, 227-33 | 2.8 | 26 |
| 271 | Effects of halothane on respiratory mechanics and lung histopathology in normal rats. *British Journal of Anaesthesia*, **2000**, 84, 372-7 | 5.4 | 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 | 5.4 | 26 |
| 269 | Cell-based therapies for the acute respiratory distress syndrome. *Current Opinion in Critical Care*, **2014**, 20, 122-31 | 3.5 | 25 |
| 268 | Pulmonary morphofunctional effects of mechanical ventilation with high inspiratory air flow. *Critical Care Medicine*, **2008**, 36, 232-9 | 1.4 | 25 |
| 267 | Comparison of rat and mouse pulmonary tissue mechanical properties and histology. *Journal of Applied Physiology*, **2002**, 92, 230-4 | 3.7 | 25 |
| 266 | Characterization of a Mouse Model of Emphysema Induced by Multiple Instillations of Low-Dose Elastase. *Frontiers in Physiology*, **2016**, 7, 457 | 4.6 | 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 | 10.8 | 24 |

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| 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 | 7.3 | 24 |
| 263 | Airway closure: the silent killer of peripheral airways. *Critical Care*, **2007**, 11, 114 | 10.8 | 24 |
| 262 | Cell-based therapies for coronavirus disease 2019: proper clinical investigations are essential. *Cytotherapy*, **2020**, 22, 602-605 | 4.8 | 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 | 3.8 | 23 |
| 260 | Bone marrow mononuclear cell therapy in experimental allergic asthma: intratracheal versus intravenous administration. *Respiratory Physiology and Neurobiology*, **2013**, 185, 615-24 | 2.8 | 23 |
| 259 | Effects of intravascular volume replacement on lung and kidney function and damage in nonseptic experimental lung injury. *Anesthesiology*, **2013**, 118, 395-408 | 4.3 | 23 |
| 258 | Respiratory mechanics and lung histology in normal rats anesthetized with sevoflurane. *Journal of Applied Physiology*, **2001**, 91, 803-10 | 3.7 | 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 | 5.4 | 23 |
| 256 | Lung inflammatory environments differentially alter mesenchymal stromal cell behavior. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2019**, 317, L823-L831 | 5.8 | 22 |
| 255 | Higher levels of spontaneous breathing reduce lung injury in experimental moderate acute respiratory distress syndrome. *Critical Care Medicine*, **2014**, 42, e702-15 | 1.4 | 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 | 3.9 | 22 |
| 253 | Impact of obesity on airway and lung parenchyma remodeling in experimental chronic allergic asthma. *Respiratory Physiology and Neurobiology*, **2011**, 177, 141-8 | 2.8 | 22 |
| 252 | Effects of propofol on respiratory mechanic and lung histology in normal rats. *British Journal of Anaesthesia*, **2004**, 92, 737-40 | 5.4 | 22 |
| 251 | Prospects and progress in cell therapy for acute respiratory distress syndrome. *Expert Opinion on Biological Therapy*, **2016**, 16, 1353-1360 | 5.4 | 22 |
| 250 | Personalized mechanical ventilation in acute respiratory distress syndrome. *Critical Care*, **2021**, 25, 250 | 10.8 | 22 |
| 249 | Pilot safety study of intrabronchial instillation of bone marrow-derived mononuclear cells in patients with silicosis. *BMC Pulmonary Medicine*, **2015**, 15, 66 | 3.5 | 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 | 3.9 | 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 | 14.5 | 21 |

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| 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 | 2.8 | 21 |
| 245 | Chest physiotherapy: An important adjuvant in critically ill mechanically ventilated patients with COVID-19. *Respiratory Physiology and Neurobiology*, **2020**, 282, 103529 | 2.8 | 21 |
| 244 | Emerging trends in COVID-19 treatment: learning from inflammatory conditions associated with cellular therapies. *Cytotherapy*, **2020**, 22, 474-481 | 4.8 | 21 |
| 243 | Exogenous Glutamine in Respiratory Diseases: Myth or Reality?. *Nutrients*, **2016**, 8, 76 | 6.7 | 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 | 1.4 | 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 | 6.9 | 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 | 1.4 | 20 |
| 239 | Biological Response to Time-Controlled Adaptive Ventilation Depends on Acute Respiratory Distress Syndrome Etiology. *Critical Care Medicine*, **2018**, 46, e609-e617 | 1.4 | 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 | 4.6 | 20 |
| 237 | Early short-term versus prolonged low-dose methylprednisolone therapy in acute lung injury. *European Respiratory Journal*, **2009**, 33, 634-45 | 13.6 | 20 |
| 236 | Pulmonary mechanics and lung histology in acute lung injury induced by Bothrops jararaca venom. *Respiratory Physiology and Neurobiology*, **2004**, 139, 167-77 | 2.8 | 20 |
| 235 | Time course of respiratory mechanics and pulmonary structural remodelling in acute lung injury. *Respiratory Physiology and Neurobiology*, **2004**, 143, 49-61 | 2.8 | 20 |
| 234 | Effects of undernutrition on respiratory mechanics and lung parenchyma remodeling. *Journal of Applied Physiology*, **2004**, 97, 1888-96 | 3.7 | 20 |
| 233 | Neurological Complications and Noninvasive Multimodal Neuromonitoring in Critically Ill Mechanically Ventilated COVID-19 Patients. *Frontiers in Neurology*, **2020**, 11, 602114 | 4.1 | 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 | 10.8 | 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 | 3.7 | 19 |
| 230 | Intravenous glutamine administration reduces lung and distal organ injury in malnourished rats with sepsis. *Shock*, **2014**, 41, 222-32 | 3.4 | 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 | 2.8 | 19 |

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| 228 | Multiple doses of adipose tissue-derived mesenchymal stromal cells induce immunosuppression in experimental asthma. *Stem Cells Translational Medicine*, **2020**, 9, 250-260 | 6.9 | 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 | 4.1 | 19 |
| 226 | Possible mechanisms of Pseudomonas aeruginosa-associated lung disease. *International Journal of Medical Microbiology*, **2016**, 306, 20-8 | 3.7 | 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 | 10.8 | 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 | 4.3 | 18 |
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