List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Effects of time-controlled adaptive ventilation on cardiorespiratory parameters and inflammatory response in experimental emphysema. Journal of Applied Physiology, 2022, 132, 564-574.	2.5	2
2	Sterilized human skin graft with a dose of 25 kGy provides a privileged immune and collagen microenvironment in the adhesion of Nude mice wounds. PLoS ONE, 2022, 17, e0262532.	2.5	1
3	A more gradual positive end-expiratory pressure increase reduces lung damage and improves cardiac function in experimental acute respiratory distress syndrome. Journal of Applied Physiology, 2022, 132, 375-387.	2.5	2
4	Testosterone Therapy and Diaphragm Performance in a Male Patient with COVID-19: A Case Report. Diagnostics, 2022, 12, 535.	2.6	1
5	Understanding the pathophysiology of typical acute respiratory distress syndrome and severe COVID-19. Expert Review of Respiratory Medicine, 2022, , 1-10.	2.5	12
6	Nitazoxanide in Patients Hospitalized With COVID-19 Pneumonia: A Multicentre, Randomized, Double-Blind, Placebo-Controlled Trial. Frontiers in Medicine, 2022, 9, 844728.	2.6	13
7	Physiological and Pathophysiological Consequences of Mechanical Ventilation. Seminars in Respiratory and Critical Care Medicine, 2022, 43, 321-334.	2.1	20
8	Pathogenesis of Multiple Organ Injury in COVID-19 and Potential Therapeutic Strategies. Frontiers in Physiology, 2021, 12, 593223.	2.8	113
9	Novel Synthetic and Natural Therapies for Traumatic Brain Injury. Current Neuropharmacology, 2021, 19, 1661-1687.	2.9	13
10	Impact of positive biphasic pressure during low and high inspiratory efforts in Pseudomonas aeruginosa-induced pneumonia. PLoS ONE, 2021, 16, e0246891.	2.5	6
11	Post-Adipose-Derived Stem Cells (ADSC) Stimulated by Collagen Type V (Col V) Mitigate the Progression of Osteoarthritic Rabbit Articular Cartilage. Frontiers in Cell and Developmental Biology, 2021, 9, 606890.	3.7	8
12	Pathological pulmonary vascular remodeling is induced by type V collagen in a model of scleroderma. Pathology Research and Practice, 2021, 220, 153382.	2.3	6
13	Mitochondria-Rich Fraction Isolated From Mesenchymal Stromal Cells Reduces Lung and Distal Organ Injury in Experimental Sepsis*. Critical Care Medicine, 2021, 49, e880-e890.	0.9	15
14	Circulating Plasma miRNA and Clinical/Hemodynamic Characteristics Provide Additional Predictive Information About Acute Pulmonary Thromboembolism, Chronic Thromboembolic Pulmonary Hypertension and Idiopathic Pulmonary Hypertension. Frontiers in Pharmacology, 2021, 12, 648769.	3.5	8
15	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.	3.6	11
16	In Situ Overexpression of Matricellular Mechanical Proteins Demands Functional Immune Signature and Mitigates Non-Small Cell Lung Cancer Progression. Frontiers in Immunology, 2021, 12, 714230.	4.8	4
17	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.	2.5	2
18	Noninvasive respiratory support and patient self-inflicted lung injury in COVID-19: a narrative review. British Journal of Anaesthesia, 2021, 127, 353-364.	3.4	64

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19	Early use of nitazoxanide in mild COVID-19 disease: randomised, placebo-controlled trial. European Respiratory Journal, 2021, 58, 2003725.	6.7	117
20	Effects of propofol and its formulation components on macrophages and neutrophils in obese and lean animals. Pharmacology Research and Perspectives, 2021, 9, e00873.	2.4	2
21	Time-Controlled Adaptive Ventilation Versus Volume-Controlled Ventilation in Experimental Pneumonia. Critical Care Medicine, 2021, 49, 140-150.	0.9	8
22	Sepsis Disrupts Mitochondrial Function and Diaphragm Morphology. Frontiers in Physiology, 2021, 12, 704044.	2.8	2
23	Comparative effects of dexmedetomidine and propofol on brain and lung damage in experimental acute ischemic stroke. Scientific Reports, 2021, 11, 23133.	3.3	8
24	Mitochondria in Focus: From Function to Therapeutic Strategies in Chronic Lung Diseases. Frontiers in Immunology, 2021, 12, 782074.	4.8	22
25	A critical approach to personalised medicine in ARDS. Lancet Respiratory Medicine, the, 2020, 8, 218-219.	10.7	1
26	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.	2.5	18
27	Personalized pharmacological therapy for ARDS: a light at the end of the tunnel. Expert Opinion on Investigational Drugs, 2020, 29, 49-61.	4.1	34
28	Outcomes of patients with confirmed SARS-CoV-2 infection undergoing anesthesia: A pilot study. Journal of Clinical Anesthesia, 2020, 67, 110041.	1.6	1
29	Niclosamide attenuates lung vascular remodeling in experimental pulmonary arterial hypertension. European Journal of Pharmacology, 2020, 887, 173438.	3.5	9
30	Pros and cons of corticosteroid therapy for COVID-19 patients. Respiratory Physiology and Neurobiology, 2020, 280, 103492.	1.6	80
31	The renin–angiotensin–aldosterone system: Role in pathogenesis and potential therapeutic target in COVIDâ€19. Pharmacology Research and Perspectives, 2020, 8, e00623.	2.4	13
32	In situ Evidence of Collagen V and Interleukin-6/Interleukin-17 Activation in Vascular Remodeling of Experimental Pulmonary Hypertension. Pathobiology, 2020, 87, 356-366.	3.8	9
33	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.	2.3	2
34	Iso-Oncotic Albumin Mitigates Brain and Kidney Injury in Experimental Focal Ischemic Stroke. Frontiers in Neurology, 2020, 11, 1001.	2.4	6
35	Impact of experimental obesity on diaphragm structure, function, and bioenergetics. Journal of Applied Physiology, 2020, 129, 1062-1074.	2.5	10
36	Emerging therapies for COVID-19 pneumonia. Expert Opinion on Investigational Drugs, 2020, 29, 633-637.	4.1	13

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37	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.	5.8	15
38	Sepsis Impairs Thyroid Hormone Signaling and Mitochondrial Function in the Mouse Diaphragm. Thyroid, 2020, 30, 1079-1090.	4.5	17
39	Brain–heart interaction after acute ischemic stroke. Critical Care, 2020, 24, 163.	5.8	77
40	Identification of Autoimmunity to Peptides of Collagen V $\hat{I}\pm 1$ Chain as Newly Biomarkers of Early Stage of Systemic Sclerosis. Frontiers in Immunology, 2020, 11, 604602.	4.8	6
41	Understanding the Mysteries of Mechanical Power. Anesthesiology, 2020, 132, 949-950.	2.5	8
42	Ischaemic stroke-induced distal organ damage: pathophysiology and new therapeutic strategies. Intensive Care Medicine Experimental, 2020, 8, 23.	1.9	17
43	Fluids in ARDS: more pros than cons. Intensive Care Medicine Experimental, 2020, 8, 32.	1.9	7
44	Immunomodulatory effects of anesthetic agents in perioperative medicine. Minerva Anestesiologica, 2020, 86, 181-195.	1.0	7
45	Power to mechanical power to minimize ventilator-induced lung injury?. Intensive Care Medicine Experimental, 2019, 7, 38.	1.9	75
46	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.	3.6	12
47	Effects of the FCF receptorâ€1 inhibitor, infigratinib, with or without sildenafil, in experimental pulmonary arterial hypertension. British Journal of Pharmacology, 2019, 176, 4462-4473.	5.4	9
48	Effects of Obesity on Pulmonary Inflammation and Remodeling in Experimental Moderate Acute Lung Injury. Frontiers in Immunology, 2019, 10, 1215.	4.8	31
49	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.	2.8	10
50	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.	1.6	4
51	Glutamine Therapy Reduces Inflammation and Extracellular Trap Release in Experimental Acute Respiratory Distress Syndrome of Pulmonary Origin. Nutrients, 2019, 11, 831.	4.1	14
52	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	0
53	Controversies when using mechanical ventilation in obese patients with and without acute distress respiratory syndrome. Expert Review of Respiratory Medicine, 2019, 13, 471-479.	2.5	4
54	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.	2.8	4

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55	Gradually Increasing Tidal Volume May Mitigate Experimental Lung Injury in Rats. Anesthesiology, 2019, 130, 767-777.	2.5	22
56	Biological Response to Time-Controlled Adaptive Ventilation Depends on Acute Respiratory Distress Syndrome Etiology*. Critical Care Medicine, 2018, 46, e609-e617.	0.9	30
57	Biologic Impact of Mechanical Power at High and Low Tidal Volumes in Experimental Mild Acute Respiratory Distress Syndrome. Anesthesiology, 2018, 128, 1193-1206.	2.5	51
58	Effects of pressure support ventilation on ventilator-induced lung injury in mild acute respiratory distress syndrome depend on level of positive end-expiratory pressure. European Journal of Anaesthesiology, 2018, 35, 298-306.	1.7	23
59	Supplemental oxygen or something else?. Journal of Thoracic Disease, 2018, 10, S3211-S3214.	1.4	3
60	The basics of respiratory mechanics: ventilator-derived parameters. Annals of Translational Medicine, 2018, 6, 376-376.	1.7	39
61	Focal ischemic stroke leads to lung injury and reduces alveolar macrophage phagocytic capability in rats. Critical Care, 2018, 22, 249.	5.8	52
62	Impact of Different Tidal Volume Levels at Low Mechanical Power on Ventilator-Induced Lung Injury in Rats. Frontiers in Physiology, 2018, 9, 318.	2.8	36
63	Impact of different intratracheal flows during lung decellularization on extracellular matrix composition and mechanics. Regenerative Medicine, 2018, 13, 519-530.	1.7	5
64	Regional distribution of transpulmonary pressure. Annals of Translational Medicine, 2018, 6, 385-385.	1.7	15
65	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.	2.2	12
66	Controlled invasive mechanical ventilation strategies in obese patients undergoing surgery. Expert Review of Respiratory Medicine, 2017, 11, 443-452.	2.5	7
67	The authors reply. Critical Care Medicine, 2017, 45, e328-e329.	0.9	3
68	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.	2.2	25
69	Variable Ventilation Improved Respiratory System Mechanics and Ameliorated Pulmonary Damage in a Rat Model of Lung Ischemia-Reperfusion. Frontiers in Physiology, 2017, 8, 257.	2.8	6
70	Differential Regulation of Thyroid Hormone Metabolism Target Genes during Non-thyroidal Illness Syndrome Triggered by Fasting or Sepsis in Adult Mice. Frontiers in Physiology, 2017, 8, 828.	2.8	15
71	Variability in Tidal Volume Affects Lung and Cardiovascular Function Differentially in a Rat Model of Experimental Emphysema. Frontiers in Physiology, 2017, 8, 1071.	2.8	18
72	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.	2.5	7

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73	Ghrelin therapy improves lung and cardiovascular function in experimental emphysema. Respiratory Research, 2017, 18, 185.	3.6	12
74	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.	5.5	52
75	Immunomodulatory effects of anesthetics in obese patients. World Journal of Critical Care Medicine, 2017, 6, 140.	1.8	6
76	Early impact of abdominal compartment syndrome on liver, kidney and lung damage in a rodent model. Anaesthesiology Intensive Therapy, 2017, 49, 130-138.	1.0	8
77	In Response. Anesthesia and Analgesia, 2016, 123, 790-791.	2.2	1
78	A mortality score for acute respiratory distress syndrome: predicting the future without a crystal ball. Journal of Thoracic Disease, 2016, 8, 1872-1876.	1.4	12
79	Comparison between Variable and Conventional Volume-Controlled Ventilation on Cardiorespiratory Parameters in Experimental Emphysema. Frontiers in Physiology, 2016, 7, 277.	2.8	12
80	Moderate Aerobic Training Improves Cardiorespiratory Parameters in Elastase-Induced Emphysema. Frontiers in Physiology, 2016, 7, 329.	2.8	12
81	Characterization of a Mouse Model of Emphysema Induced by Multiple Instillations of Low-Dose Elastase. Frontiers in Physiology, 2016, 7, 457.	2.8	36
82	Lung Functional and Biologic Responses to Variable Ventilation in Experimental Pulmonary and Extrapulmonary Acute Respiratory Distress Syndrome. Critical Care Medicine, 2016, 44, e553-e562.	0.9	34
83	Comparative Effects of Volutrauma and Atelectrauma on Lung Inflammation in Experimental Acute Respiratory Distress Syndrome. Critical Care Medicine, 2016, 44, e854-e865.	0.9	87
84	Reply to. European Journal of Anaesthesiology, 2016, 33, 300-301.	1.7	0
85	Fast Versus Slow Recruitment Maneuver at Different Degrees of Acute Lung Inflammation Induced by Experimental Sepsis. Anesthesia and Analgesia, 2016, 122, 1089-1100.	2.2	18
86	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.	3.6	10
87	Immunomodulation after ischemic stroke: potential mechanisms and implications for therapy. Critical Care, 2016, 20, 391.	5.8	97
88	Ventilator-induced Lung Injury: Power to the Mechanical Power. Anesthesiology, 2016, 125, 1070-1071.	2.5	24
89	Optimal mechanical ventilation strategies to minimize ventilator-induced lung injury in non-injured and injured lungs. Expert Review of Respiratory Medicine, 2016, 10, 1243-1245.	2.5	9
90	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.	1.9	17

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91	The Effects of Short-Term Propofol and Dexmedetomidine on Lung Mechanics, Histology, and Biological Markers in Experimental Obesity. Anesthesia and Analgesia, 2016, 122, 1015-1023.	2.2	30
92	Respiratory and Systemic Effects of LASSBio596 Plus Surfactant in Experimental Acute Respiratory Distress Syndrome. Cellular Physiology and Biochemistry, 2016, 38, 821-835.	1.6	10
93	Recruitment maneuvers for acute respiratory distress syndrome: the panorama in 2016. Revista Brasileira De Terapia Intensiva, 2016, 28, 104-6.	0.3	4
94	How to minimise ventilator-induced lung injury in transplanted lungs. European Journal of Anaesthesiology, 2015, 32, 828-836.	1.7	12
95	Modulation of Stress versus Time Product during Mechanical Ventilation Influences Inflammation as Well as Alveolar Epithelial and Endothelial Response in Rats. Anesthesiology, 2015, 122, 106-116.	2.5	30
96	Biological Impact of Transpulmonary Driving Pressure in Experimental Acute Respiratory Distress Syndrome. Anesthesiology, 2015, 123, 423-433.	2.5	60
97	Recruitment maneuvers in acute respiratory distress syndrome: The safe way is the best way. World Journal of Critical Care Medicine, 2015, 4, 278.	1.8	44
98	Therapeutic effects of LASSBio-596 in an elastase-induced mouse model of emphysema. Frontiers in Physiology, 2015, 6, 267.	2.8	18
99	Mechanisms of ventilator-induced lung injury in healthy lungs. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2015, 29, 301-313.	4.0	45
100	FG-4497: a new target for acute respiratory distress syndrome?. Expert Review of Respiratory Medicine, 2015, 9, 405-409.	2.5	5
101	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.	5.8	23
102	Fluids in acute respiratory distress syndrome. Current Opinion in Critical Care, 2014, 20, 104-112.	3.2	3
103	Albumin versus crystalloid solutions in patients with the acute respiratory distress syndrome: a systematic review and meta-analysis. Critical Care, 2014, 18, R10.	5.8	80
104	Effects of sigh during pressure control and pressure support ventilation in pulmonary and extrapulmonary mild acute lung injury. Critical Care, 2014, 18, 474.	5.8	28
105	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.	1.6	20
106	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.	3.6	26
107	Impact of Bacillus Calmette–Guérin Moreau vaccine on lung remodeling in experimental asthma. Respiratory Physiology and Neurobiology, 2013, 189, 614-623.	1.6	11
108	Oleanolic acid improves pulmonary morphofunctional parameters in experimental sepsis by modulating oxidative and apoptotic processes. Respiratory Physiology and Neurobiology, 2013, 189, 484-490.	1.6	10

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109	Effects of Intravascular Volume Replacement on Lung and Kidney Function and Damage in Nonseptic Experimental Lung Injury. Anesthesiology, 2013, 118, 395-408.	2.5	31
110	Recruitment Maneuvers Modulate Epithelial and Endothelial Cell Response According to Acute Lung Injury Etiology*. Critical Care Medicine, 2013, 41, e256-e265.	0.9	50
111	Impact of intravascular volume replacement and transfusion on outcome: Where are we now?. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2012, 26, 485-497.	4.0	0
112	Impact of pressure profile and duration of recruitment maneuvers on morphofunctional and biochemical variables in experimental lung injury*. Critical Care Medicine, 2011, 39, 1074-1081.	0.9	40
113	Impact of obesity on airway and lung parenchyma remodeling in experimental chronic allergic asthma. Respiratory Physiology and Neurobiology, 2011, 177, 141-148.	1.6	26
114	Effects of oleanolic acid on pulmonary morphofunctional and biochemical variables in experimental acute lung injury. Respiratory Physiology and Neurobiology, 2011, 179, 129-136.	1.6	21
115	Degree of endothelium injury promotes fibroelastogenesis in experimental acute lung injury. Respiratory Physiology and Neurobiology, 2010, 173, 179-188.	1.6	18
116	Effects Of Different Recruitment Maneuvers On Lung Morpho-function And Alveolar Stress. , 2010, , .		1
117	Airway And Lung Parenchyma Remodeling In An Experimental Model Of Chronic Allergic Asthma In Newly Weaned Mice. , 2010, , .		0
118	The Role Of BCG Vaccine On Airway And Lung Parenchyma Remodeling In A Murine Model Of Chronic Allergic Inflammation. , 2010, , .		0
119	Hypervolemia induces and potentiates lung damage after recruitment maneuver in a model of sepsis-induced acute lung injury. Critical Care, 2010, 14, R114.	5.8	41
120	Effects of frequency and inspiratory plateau pressure during recruitment manoeuvres on lung and distal organs in acute lung injury. Intensive Care Medicine, 2009, 35, 1120-1128.	8.2	47
121	Pulmonary lesion induced by low and high positive end-expiratory pressure levels during protective ventilation in experimental acute lung injury. Critical Care Medicine, 2009, 37, 1011-1017.	0.9	44
122	Impact of lung remodelling on respiratory mechanics in a model of severe allergic inflammation. Respiratory Physiology and Neurobiology, 2008, 160, 239-248.	1.6	15
123	Effects of chronic <scp>l</scp> -NAME treatment lung tissue mechanics, eosinophilic and extracellular matrix responses induced by chronic pulmonary inflammation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 294, L1197-L1205.	2.9	40
124	Methylprednisolone improves lung mechanics and reduces the inflammatory response in pulmonary but not in extrapulmonary mild acute lung injury in mice*. Critical Care Medicine, 2008, 36, 2621-2628.	0.9	69