

Goran Hedenstierna

List of Publications by Year in descending order

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278
papers

12,954
citations

26567

56
h-index

28224

105
g-index

285
all docs

285
docs citations

285
times ranked

6917
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring dead space during recruitment and PEEP titration in an experimental model. <i>Intensive Care Medicine</i> , 2006, 32, 1863-1871.	3.9	611
2	Decreasing size of cardiogenic oscillations reflects decreasing compliance of the respiratory system during long-term ventilation. <i>Journal of Applied Physiology</i> , 2004, 96, 879-884.	1.2	555
3	Inhaled Nitric Oxide Selectively Reverses Human Hypoxic Pulmonary Vasoconstriction without Causing Systemic Vasodilation. <i>Anesthesiology</i> , 1993, 78, 427-435.	1.3	426
4	Lung Collapse and Gas Exchange during General Anesthesia. <i>Anesthesiology</i> , 1987, 66, 157-167.	1.3	356
5	Optimal Oxygen Concentration during Induction of General Anesthesia. <i>Anesthesiology</i> , 2003, 98, 28-33.	1.3	342
6	Influence of Gas Composition on Recurrence of Atelectasis after a Reexpansion Maneuver during General Anesthesia. <i>Anesthesiology</i> , 1995, 82, 832-842..	1.3	322
7	Prevention of Atelectasis in Morbidly Obese Patients during General Anesthesia and Paralysis. <i>Anesthesiology</i> , 2009, 111, 979-987.	1.3	305
8	Protective <i>i</i> versus <i>i</i> Conventional Ventilation for Surgery. <i>Anesthesiology</i> , 2015, 123, 66-78.	1.3	291
9	Inhalation of Nitric Oxide Modulates Adult Human Bronchial Tone. <i>The American Review of Respiratory Disease</i> , 1993, 148, 1474-1478.	2.9	274
10	Airway pressure-time curve profile (stress index) detects tidal recruitment/hyperinflation in experimental acute lung injury. <i>Critical Care Medicine</i> , 2004, 32, 1018-1027.	0.4	261
11	Use of dynamic compliance for open lung positive end-expiratory pressure titration in an experimental study. <i>Critical Care Medicine</i> , 2007, 35, 214-221.	0.4	240
12	Spontaneous Breathing Improves Lung Aeration in Oleic Acid-induced Lung Injury. <i>Anesthesiology</i> , 2003, 99, 376-384.	1.3	205
13	Electrical impedance tomography compared with thoracic computed tomography during a slow inflation maneuver in experimental models of lung injury*. <i>Critical Care Medicine</i> , 2008, 36, 903-909.	0.4	205
14	Prevention of Atelectasis Formation During Induction of General Anesthesia. <i>Anesthesia and Analgesia</i> , 2003, 97, 1835-1839.	1.1	199
15	The effects of anesthesia and muscle paralysis on the respiratory system. <i>Intensive Care Medicine</i> , 2005, 31, 1327-1335.	3.9	194
16	Spontaneous breathing affects the spatial ventilation and perfusion distribution during mechanical ventilatory support*. <i>Critical Care Medicine</i> , 2005, 33, 1090-1095.	0.4	188
17	$\dot{V}_E^{TM}/\dot{Q}_E^{TM}$ distribution and correlation to atelectasis in anesthetized paralyzed humans. <i>Journal of Applied Physiology</i> , 1996, 81, 1822-1833.	1.2	178
18	Deep-Breathing Exercises Reduce Atelectasis and Improve Pulmonary Function After Coronary Artery Bypass Surgery. <i>Chest</i> , 2005, 128, 3482-3488.	0.4	178

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19	Mechanisms of atelectasis in the perioperative period. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2010, 24, 157-169.	1.7	176
20	Regional Ventilation by Electrical Impedance Tomography. <i>Chest</i> , 2003, 124, 314-322.	0.4	175
21	Effects of Volatile and Intravenous Anesthesia on the Alveolar and Systemic Inflammatory Response in Thoracic Surgical Patients. <i>Anesthesiology</i> , 2011, 115, 65-74.	1.3	167
22	Atelectasis Is a Major Cause of Hypoxemia and Shunt after Cardiopulmonary Bypass. <i>Anesthesiology</i> , 1997, 87, 1153-1163.	1.3	166
23	Atelectasis and Gas Exchange after Cardiac Surgery. <i>Anesthesiology</i> , 1998, 89, 371-378.	1.3	163
24	Atelectasis formation during anesthesia: causes and measures to prevent it. , 2000, 16, 329-335.		161
25	Inhalation of Nitric Oxide in the Treatment of Severe Acute Respiratory Syndrome: A Rescue Trial in Beijing. <i>Clinical Infectious Diseases</i> , 2004, 39, 1531-1535.	2.9	160
26	Dynamics of lung collapse and recruitment during prolonged breathing in porcine lung injury. <i>Journal of Applied Physiology</i> , 1998, 85, 1533-1543.	1.2	156
27	Inhibition of SARS-coronavirus infection in vitro by S-nitroso-N-acetylpenicillamine, a nitric oxide donor compound. <i>International Journal of Infectious Diseases</i> , 2004, 8, 223-226.	1.5	142
28	Epidemiological characteristics, practice of ventilation, and clinical outcome in patients at risk of acute respiratory distress syndrome in intensive care units from 16 countries (PRoVENT): an international, multicentre, prospective study. <i>Lancet Respiratory Medicine</i> , 2016, 4, 882-893.	5.2	137
29	Mitigation of the replication of SARS-CoV-2 by nitric oxide in vitro. <i>Redox Biology</i> , 2020, 37, 101734.	3.9	135
30	Regional lung perfusion estimated by electrical impedance tomography in a piglet model of lung collapse. <i>Journal of Applied Physiology</i> , 2012, 112, 225-236.	1.2	134
31	Normalization of ventilation/perfusion relationships after liver transplantation in patients with decompensated cirrhosis: Evidence for a hepatopulmonary syndrome. <i>Hepatology</i> , 1990, 12, 1350-1357.	3.6	127
32	Effect of Different Pressure Levels on the Dynamics of Lung Collapse and Recruitment in Oleic-Acid-induced Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1998, 158, 1636-1643.	2.5	125
33	Nonsmoking, Non-Alpha1-Antitrypsin Deficiency-Induced Emphysema in Nonsmokers With Healed Spontaneous Pneumothorax, Identified by Computed Tomography of the Lungs. <i>Chest</i> , 1993, 103, 433-438.	0.4	115
34	Ventilation-Perfusion Inequality in Patients Undergoing Cardiac Surgery. <i>Anesthesiology</i> , 1994, 80, 509-519.	1.3	109
35	Ventilation-Perfusion Inequality in Chronic Asthma. <i>The American Review of Respiratory Disease</i> , 1987, 136, 605-612.	2.9	102
36	The Diaphragm Acts as a Brake during Expiration to Prevent Lung Collapse. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 1608-1616.	2.5	100

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37	Ventilation and Perfusion of Each Lung during Differential Ventilation with Selective PEEP. <i>Anesthesiology</i> , 1984, 61, 369-376.	1.3	99
38	Alveolar collapse and closure of airways: regular effects of anaesthesia. <i>Clinical Physiology and Functional Imaging</i> , 2003, 23, 123-129.	0.5	97
39	Central and regional hemodynamics during acute hypovolemia and volume substitution in volunteers. <i>Critical Care Medicine</i> , 1997, 25, 635-640.	0.4	96
40	Airway Closure during Mechanical Ventilation. <i>Anesthesiology</i> , 1976, 44, 114-123.	1.3	95
41	Spontaneous breathing with airway pressure release ventilation favors ventilation in dependent lung regions and counters cyclic alveolar collapse in oleic-acid-induced lung injury: a randomized controlled computed tomography trial. <i>Critical Care</i> , 2005, 9, R780.	2.5	95
42	Airway Closure and Distribution of Inspired Gas in the Extremely Obese, Breathing Spontaneously and During Anaesthesia with Intermittent Positive Pressure Ventilation. <i>Acta Anaesthesiologica Scandinavica</i> , 1976, 20, 334-342.	0.7	91
43	The LAS VEGAS risk score for prediction of postoperative pulmonary complications. <i>European Journal of Anaesthesiology</i> , 2018, 35, 691-701.	0.7	90
44	Use of a Vital Capacity Maneuver to Prevent Atelectasis after Cardiopulmonary Bypass. <i>Anesthesiology</i> , 1998, 88, 134-142.	1.3	87
45	Nitric oxide up-regulates the glucocorticoid receptor and blunts the inflammatory reaction in porcine endotoxin sepsis*. <i>Critical Care Medicine</i> , 2007, 35, 26-32.	0.4	86
46	Effects of anesthesia on the respiratory system. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2015, 29, 273-284.	1.7	81
47	Respiratory Function During Anesthesia: Effects on Gas Exchange. , 2012, 2, 69-96.		80
48	Ventilatory Protective Strategies during Thoracic Surgery. <i>Anesthesiology</i> , 2011, 114, 1025-1035.	1.3	73
49	Chrome Plating: Symptoms, Findings in the Upper Airways, and Effects on Lung Function. <i>Archives of Environmental Health</i> , 1983, 38, 367-374.	0.4	71
50	Validation of Bohr dead space measured by volumetric capnography. <i>Intensive Care Medicine</i> , 2011, 37, 870-874.	3.9	71
51	Non-lobar atelectasis generates inflammation and structural alveolar injury in the surrounding healthy tissue during mechanical ventilation. <i>Critical Care</i> , 2014, 18, 505.	2.5	69
52	Veno-venous extracorporeal CO2 removal for the treatment of severe respiratory acidosis: pathophysiological and technical considerations. <i>Critical Care</i> , 2014, 18, R124.	2.5	69
53	Oxygen and anesthesia: what lung do we deliver to the postoperative ward?. <i>Acta Anaesthesiologica Scandinavica</i> , 2012, 56, 675-685.	0.7	67
54	Central hemodynamics during lung recruitment maneuvers at hypovolemia, normovolemia and hypervolemia. A study by echocardiography and continuous pulmonary artery flow measurements in lung-injured pigs. <i>Intensive Care Medicine</i> , 2006, 32, 585-594.	3.9	66

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55	Lung recruitment assessed by total respiratory system input reactance. <i>Intensive Care Medicine</i> , 2009, 35, 2164-72.	3.9	66
56	High inspired oxygen concentrations increase intrapulmonary shunt in anaesthetized horses. <i>Veterinary Anaesthesia and Analgesia</i> , 2005, 32, 338-347.	0.3	63
57	Abdominal lymph flow in an endotoxin sepsis model: Influence of spontaneous breathing and mechanical ventilation*. <i>Critical Care Medicine</i> , 2006, 34, 2792-2798.	0.4	60
58	The immediate effects of deep breathing exercises on atelectasis and oxygenation after cardiac surgery. <i>Scandinavian Cardiovascular Journal</i> , 2003, 37, 363-367.	0.4	59
59	How to ventilate obese patients in the ICU. <i>Intensive Care Medicine</i> , 2020, 46, 2423-2435.	3.9	59
60	Hypoxic Pulmonary Vasoconstriction in Human Lungs. <i>Anesthesiology</i> , 1997, 86, 308-315.	1.3	57
61	Thoracic epidural anesthesia as an adjunct to general anesthesia for cardiac surgery: Effects on ventilation-perfusion relationships. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 1999, 13, 258-264.	0.6	57
62	Early Inflammation Mainly Affects Normally and Poorly Aerated Lung in Experimental Ventilator-Induced Lung Injury*. <i>Critical Care Medicine</i> , 2014, 42, e279-e287.	0.4	56
63	Effects of acepromazine on pulmonary gas exchange and circulation during sedation and dissociative anaesthesia in horses. <i>Veterinary Anaesthesia and Analgesia</i> , 2005, 32, 83-93.	0.3	55
64	Increased Alveolar Damage After Mechanical Ventilation in a Porcine Model of Thoracic Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2010, 24, 617-623.	0.6	51
65	Lung regional stress and strain as a function of posture and ventilatory mode. <i>Journal of Applied Physiology</i> , 2011, 110, 1374-1383.	1.2	49
66	Nitric oxide dosed in short bursts at high concentrations may protect against Covid 19. <i>Nitric Oxide - Biology and Chemistry</i> , 2020, 103, 1-3.	1.2	48
67	Rationale and study design of PROVHILO - a worldwide multicenter randomized controlled trial on protective ventilation during general anesthesia for open abdominal surgery. <i>Trials</i> , 2011, 12, 111.	0.7	47
68	Positive End-expiratory Pressure Alone Minimizes Atelectasis Formation in Nonabdominal Surgery. <i>Anesthesiology</i> , 2018, 128, 1117-1124.	1.3	46
69	Influence of abdominal pressure on respiratory and abdominal organ function. <i>Current Opinion in Critical Care</i> , 2012, 18, 80-85.	1.6	45
70	Does Regional Lung Strain Correlate With Regional Inflammation in Acute Respiratory Distress Syndrome During Nonprotective Ventilation? An Experimental Porcine Study*. <i>Critical Care Medicine</i> , 2018, 46, e591-e599.	0.4	44
71	Respiratory Hazards Associated with Exposure to Formaldehyde and Solvents in Acid-Curing Paints. <i>Archives of Environmental Health</i> , 1988, 43, 222-227.	0.4	43
72	Functional Residual Capacity and Respiratory Mechanics as Indicators of Aeration and Collapse in Experimental Lung Injury. <i>Anesthesia and Analgesia</i> , 2004, 98, 782-789.	1.1	43

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73	Nitric Oxide Modulation of Pulmonary Blood Flow Distribution in Lobar Hypoxia. <i>Anesthesiology</i> , 1995, 82, 1216-1225.	1.3	42
74	Effects of Inverse Ratio Ventilation and Positive End-Expiratory Pressure in Oleic Acid-Induced Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2000, 161, 1537-1545.	2.5	42
75	Expression of the glucocorticoid receptor is decreased in experimental <i>Staphylococcus aureus</i> sepsis. <i>Journal of Infection</i> , 2013, 67, 574-583.	1.7	42
76	Optimisation of positive end-expiratory pressure by forced oscillation technique in a lavage model of acute lung injury. <i>Intensive Care Medicine</i> , 2011, 37, 1021-30.	3.9	41
77	Individual Airway Closure Characterized In Vivo by Phase-Contrast CT Imaging in Injured Rabbit Lung*. <i>Critical Care Medicine</i> , 2019, 47, e774-e781.	0.4	41
78	Lung Recruitment and Positive End-Expiratory Pressure Have Different Effects on CO ₂ Elimination in Healthy and Sick Lungs. <i>Anesthesia and Analgesia</i> , 2010, 111, 968-977.	1.1	41
79	Pulmonary Function in Wood Workers Exposed to Formaldehyde: A Prospective Study. <i>Archives of Environmental Health</i> , 1989, 44, 5-11.	0.4	40
80	Year in review in <i>Intensive Care Medicine</i> 2011. II. Cardiovascular, infections, pneumonia and sepsis, critical care organization and outcome, education, ultrasonography, metabolism and coagulation. <i>Intensive Care Medicine</i> , 2012, 38, 345-358.	3.9	40
81	Who Can Make Sense of the WHO Guidelines to Prevent Surgical Site Infection?. <i>Anesthesiology</i> , 2017, 126, 771-773.	1.3	39
82	Effect of sedation with detomidine and butorphanol on pulmonary gas exchange in the horse. <i>Acta Veterinaria Scandinavica</i> , 2009, 51, 22.	0.5	37
83	Protective Ventilation during Anesthesia. <i>Anesthesiology</i> , 2016, 125, 1079-1082.	1.3	36
84	Compliance Is Nonlinear over Tidal Volume Irrespective of Positive End-Expiratory Pressure Level in Surfactant-Depleted Piglets. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2000, 162, 2125-2133.	2.5	35
85	Comparisons of effects of intravenous and inhaled methacholine on airway physiology in a murine asthma model. <i>Respiratory Physiology and Neurobiology</i> , 2009, 165, 229-236.	0.7	35
86	Oxygenation Impairment during Anesthesia. <i>Anesthesiology</i> , 2019, 131, 46-57.	1.3	35
87	Exposure, Lung Function, and Symptoms in Car Painters Exposed to Hexamethylendiisocyanate and Biuret Modified Hexamethylendiisocyanate. <i>Archives of Environmental Health</i> , 1987, 42, 367-373.	0.4	34
88	Differential Ventilation and Selective Positive End-expiratory Pressure. <i>Anesthesiology</i> , 1984, 61, 511-517.	1.3	33
89	Lung function and rhizopus antibodies in wood trimmers. <i>International Archives of Occupational and Environmental Health</i> , 1986, 58, 167-177.	1.1	33
90	Pharyngeal oxygen administration increases the time to serious desaturation at intubation in acute lung injury: an experimental study. <i>Critical Care</i> , 2010, 14, R93.	2.5	33

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91	Dynamic Mechanical Interactions Between Neighboring Airspaces Determine Cyclic Opening and Closure in Injured Lung. <i>Critical Care Medicine</i> , 2017, 45, 687-694.	0.4	33
92	Reabsorption atelectasis in a porcine model of ARDS: regional and temporal effects of airway closure, oxygen, and distending pressure. <i>Journal of Applied Physiology</i> , 2013, 115, 1464-1473.	1.2	32
93	Lymphatics and lymph in acute lung injury. <i>Current Opinion in Critical Care</i> , 2008, 14, 31-36.	1.6	31
94	Thoracic Gas Volume and Chest-Abdomen Dimensions during Anesthesia and Muscle Paralysis. <i>Anesthesiology</i> , 1981, 55, 505-506.	1.3	30
95	Using Electric Impedance Tomography to Assess Regional Ventilation at the Bedside. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004, 169, 777-778.	2.5	30
96	Lung Inflammation Persists After 27 Hours of Protective Acute Respiratory Distress Syndrome Network Strategy and Is Concentrated in the Nondependent Lung. <i>Critical Care Medicine</i> , 2015, 43, e123-e132.	0.4	30
97	Cardiorespiratory Effects of Automatic Tube Compensation during Airway Pressure Release Ventilation in Patients with Acute Lung Injury. <i>Anesthesiology</i> , 2001, 95, 382-389.	1.3	29
98	The Safety of One, or Repeated, Vital Capacity Maneuvers During General Anesthesia. <i>Anesthesia and Analgesia</i> , 2000, 91, 702-707.	1.1	28
99	The Safety of One, or Repeated, Vital Capacity Maneuvers During General Anesthesia. <i>Anesthesia and Analgesia</i> , 2000, 91, 702-707.	1.1	28
100	Endothelin-1 and nitric oxide synthase in short rebound reaction to short exposure to inhaled nitric oxide. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 281, H124-H131.	1.5	28
101	Regional distribution of lung compliance by image analysis of computed tomograms. <i>Respiratory Physiology and Neurobiology</i> , 2014, 201, 60-70.	0.7	28
102	WHO Needs High FIO2?. <i>Turkish Journal of Anaesthesiology and Reanimation</i> , 2017, 45, 181-192.	0.8	28
103	Ventilation Distribution Studies Comparing Technegas and ⁶⁸ GaCl ₃ as the Label. <i>Journal of Nuclear Medicine</i> , 2011, 52, 206-209.	2.8	26
104	A ventilation strategy during general anaesthesia to reduce postoperative atelectasis. <i>Upsala Journal of Medical Sciences</i> , 2014, 119, 242-250.	0.4	26
105	The lung during and after thoracic anaesthesia. <i>Current Opinion in Anaesthesiology</i> , 2005, 18, 23-28.	0.9	25
106	Year in review in Intensive Care Medicine 2011: III. ARDS and ECMO, weaning, mechanical ventilation, noninvasive ventilation, pediatrics and miscellanea. <i>Intensive Care Medicine</i> , 2012, 38, 542-556.	3.9	24
107	Glucocorticoid receptor function is decreased in neutrophils during endotoxic shock. <i>Journal of Infection</i> , 2014, 69, 113-122.	1.7	24
108	Functional lung unit in the pig. <i>Respiration Physiology</i> , 2000, 120, 139-149.	2.8	23

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109	Lung Aeration During Sleep. <i>Chest</i> , 2007, 131, 122-129.	0.4	23
110	Respiratory oscillations in alveolar oxygen tension measured in arterial blood. <i>Scientific Reports</i> , 2017, 7, 7499.	1.6	23
111	Assessment of respiratory system mechanics by artificial neural networks: an exploratory study. <i>Journal of Applied Physiology</i> , 2001, 90, 1817-1824.	1.2	22
112	Pulsed delivery of nitric oxide counteracts hypoxaemia in the anaesthetized horse. <i>Veterinary Anaesthesia and Analgesia</i> , 2001, 28, 3-11.	0.3	22
113	Year in review in Intensive Care Medicine 2009: I. Pneumonia and infections, sepsis, outcome, acute renal failure and acid base, nutrition and glycaemic control. <i>Intensive Care Medicine</i> , 2010, 36, 196-209.	3.9	22
114	Corrections of Enghoff's dead space formula for shunt effects still overestimate Bohr's dead space. <i>Respiratory Physiology and Neurobiology</i> , 2013, 189, 99-105.	0.7	22
115	Regional lung ventilation and perfusion by electrical impedance tomography compared to single-photon emission computed tomography. <i>Physiological Measurement</i> , 2018, 39, 065004.	1.2	22
116	Potentially modifiable respiratory variables contributing to outcome in ICU patients without ARDS: a secondary analysis of PROVENT. <i>Annals of Intensive Care</i> , 2018, 8, 39.	2.2	22
117	Positive end-expiratory pressure optimization with forced oscillation technique reduces ventilator induced lung injury: a controlled experimental study in pigs with saline lavage lung injury. <i>Critical Care</i> , 2011, 15, R126.	2.5	21
118	Pressure safety range of barotrauma with lung recruitment manoeuvres. <i>European Journal of Anaesthesiology</i> , 2013, 30, 567-574.	0.7	21
119	Peak Airway Pressure Increase Is a Late Warning Sign of Partial Endotracheal Tube Obstruction Whereas Change in Expiratory Flow Is an Early Warning Sign. <i>Anesthesia and Analgesia</i> , 2005, 100, 889-893.	1.1	20
120	VTCO ₂ and dynamic compliance-guided lung recruitment in surfactant-depleted piglets: A computed tomography study. <i>Pediatric Critical Care Medicine</i> , 2009, 10, 687-692.	0.2	20
121	Year in review in Intensive Care Medicine, 2008: II. Experimental, acute respiratory failure and ARDS, mechanical ventilation and endotracheal intubation. <i>Intensive Care Medicine</i> , 2009, 35, 215-231.	3.9	19
122	Spontaneous Breathing Improves Shunt Fraction and Oxygenation in Comparison with Controlled Ventilation at a Similar Amount of Lung Collapse. <i>Anesthesia and Analgesia</i> , 2011, 113, 1089-1095.	1.1	19
123	Year in review in Intensive Care Medicine 2011: I. Nephrology, epidemiology, nutrition and therapeutics, neurology, ethical and legal issues, experimentals. <i>Intensive Care Medicine</i> , 2012, 38, 192-209.	3.9	19
124	Multiple inert gas elimination technique by micropore membrane inlet mass spectrometry—a comparison with reference gas chromatography. <i>Journal of Applied Physiology</i> , 2013, 115, 1107-1118.	1.2	19
125	Altering the mechanical scenario to decrease the driving pressure. <i>Critical Care</i> , 2015, 19, 342.	2.5	19
126	Positive End-expiratory Pressure and Postoperative Atelectasis. <i>Anesthesiology</i> , 2019, 131, 809-817.	1.3	19

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127	The Association of Intraoperative driving pressure with postoperative pulmonary complications in open versus closed abdominal surgery patients â€” a posthoc propensity scoreâ€”weighted cohort analysis of the LAS VEGAS study. <i>BMC Anesthesiology</i> , 2021, 21, 84.	0.7	19
128	Thoracic Gas Volume Measured by Body Plethysmography during Anesthesia and Muscle Paralysis. <i>Anesthesiology</i> , 1981, 55, 439-443.	1.3	18
129	The Bronchial Response, but not the Pulmonary Response to Inhaled Methacholine Is Dependent on the Aerosol Deposition Pattern. <i>Chest</i> , 1994, 106, 1781-1787.	0.4	18
130	Optimizing positive end-expiratory pressure by oscillatory mechanics minimizes tidal recruitment and distension: an experimental study in a lavage model of lung injury. <i>Critical Care</i> , 2012, 16, R217.	2.5	18
131	Whatâ€™s new in respiratory physiology? The expanding chest wall revisited!. <i>Intensive Care Medicine</i> , 2015, 41, 1110-1113.	3.9	18
132	Higher age and obesity limit atelectasis formation during anaesthesia: an analysis of computed tomography data in 243 subjects. <i>British Journal of Anaesthesia</i> , 2020, 124, 336-344.	1.5	18
133	Pressureâ€”volume and airway closure relationships in each lung in anaesthetized man. <i>Clinical Physiology</i> , 1981, 1, 479-493.	0.7	17
134	Gas exchange in the ventilated patient. <i>Current Opinion in Critical Care</i> , 2002, 8, 39-44.	1.6	17
135	Methodologic Aspects of Attenuation Distributions From Static and Dynamic Thoracic CT Techniques in Experimental Acute Lung Injury. <i>Chest</i> , 2005, 128, 2963-2970.	0.4	17
136	Airway closure, more harmful than atelectasis in intensive care?. <i>Intensive Care Medicine</i> , 2020, 46, 2373-2376.	3.9	17
137	Real-time effects of PEEP and tidal volume on regional ventilation and perfusion in experimental lung injury. <i>Intensive Care Medicine Experimental</i> , 2020, 8, 10.	0.9	17
138	A Functional and Morphologic Analysis of Pressure-Controlled Inverse Ratio Ventilation in Oleic Acid-Induced Lung Injury. <i>Chest</i> , 1994, 106, 925-931.	0.4	16
139	Year in review in <i>Intensive Care Medicine</i> 2010: III. ARDS and ALI, mechanical ventilation, noninvasive ventilation, weaning, endotracheal intubation, lung ultrasound and paediatrics. <i>Intensive Care Medicine</i> , 2011, 37, 394-410.	3.9	16
140	Feasibility of (68)Ga-labeled Siglec-9 peptide for the imaging of acute lung inflammation: a pilot study in a porcine model of acute respiratory distress syndrome. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 6, 18-31.	1.0	16
141	The hidden pulmonary dysfunction in acute lung injury. <i>Intensive Care Medicine</i> , 2006, 32, 1933-1934.	3.9	15
142	Cardiorespiratory effects of spontaneous breathing in two different models of experimental lung injury: a randomized controlled trial. <i>Critical Care</i> , 2008, 12, R135.	2.5	15
143	Impairment of neutrophilic glucocorticoid receptor function in patients treated with steroids for septic shock. <i>Intensive Care Medicine Experimental</i> , 2015, 3, 59.	0.9	15
144	Mechanical Ventilation Redistributes Blood to Poorly Ventilated Areas in Experimental Lung Injury*. <i>Critical Care Medicine</i> , 2020, 48, e200-e208.	0.4	15

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145	Lung function and exposure to asbestos among vehicle mechanics. <i>American Journal of Industrial Medicine</i> , 1992, 22, 59-68.	1.0	14
146	Hyperosmolarity reduces the relaxing potency of nitric oxide donors in guinea-pig trachea. <i>British Journal of Pharmacology</i> , 1999, 127, 391-396.	2.7	14
147	Pulmonary Vasoconstriction during Regional Nitric Oxide Inhalation. <i>Anesthesiology</i> , 2001, 95, 102-112.	1.3	14
148	Allergen-induced formation of F2-isoprostanes in a murine asthma model identifies oxidative stress in acute airway inflammation in vivo. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2009, 80, 1-7.	1.0	14
149	Concomitant administration of nitric oxide and glucocorticoids improves protection against bronchoconstriction in a murine model of asthma. <i>Journal of Applied Physiology</i> , 2010, 109, 521-531.	1.2	14
150	Year in review in <i>Intensive Care Medicine</i> 2012: III. Noninvasive ventilation, monitoring and patient-ventilator interactions, acute respiratory distress syndrome, sedation, paediatrics and miscellanea. <i>Intensive Care Medicine</i> , 2013, 39, 543-557.	3.9	14
151	Year in review in <i>Intensive Care Medicine</i> 2009. Part III: Mechanical ventilation, acute lung injury and respiratory distress syndrome, pediatrics, ethics, and miscellanea. <i>Intensive Care Medicine</i> , 2010, 36, 567-584.	3.9	13
152	Left Ventricular Diastolic Function in a Population Sample of Elderly Men. <i>Echocardiography</i> , 1998, 15, 443-450.	0.3	12
153	Suctioning through a double-lumen endotracheal tube helps to prevent alveolar collapse and to preserve ventilation. <i>Intensive Care Medicine</i> , 2005, 31, 431-440.	3.9	12
154	Year in review in <i>Intensive Care Medicine</i> , 2008: I. Brain injury and neurology, renal failure and endocrinology, metabolism and nutrition, sepsis, infections and pneumonia. <i>Intensive Care Medicine</i> , 2009, 35, 30-44.	3.9	12
155	Lung sound analysis correlates to injury and recruitment as identified by computed tomography: an experimental study. <i>Intensive Care Medicine</i> , 2011, 37, 1378-1383.	3.9	12
156	Postoperative lung complications: have multicentre studies been of any help?. <i>British Journal of Anaesthesia</i> , 2015, 114, 541-543.	1.5	12
157	Monitoring of total positive end-expiratory pressure during mechanical ventilation by artificial neural networks. <i>Journal of Clinical Monitoring and Computing</i> , 2017, 31, 551-559.	0.7	12
158	The risk of exaggerated risk aversion—a life and death struggle for molecular imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009, 36, 1693-1694.	3.3	11
159	Modification of the World Health Organization Global Guidelines for Prevention of Surgical Site Infection Is Needed. <i>Anesthesiology</i> , 2019, 131, 765-768.	1.3	11
160	Pulmonary effects of remote ischemic preconditioning in a porcine model of ventilation-induced lung injury. <i>Respiratory Physiology and Neurobiology</i> , 2019, 259, 111-118.	0.7	11
161	Simple and accurate assessment of forward cardiac output by use of 1-(11)C-acetate PET verified in a pig model. <i>Journal of Nuclear Medicine</i> , 2003, 44, 1176-83.	2.8	11
162	Exposure to Naphthalene-Diisocyanate in a Rubber Plant: Symptoms and Lung Function. <i>Archives of Environmental Health</i> , 1986, 41, 85-89.	0.4	10

#	ARTICLE	IF	CITATIONS
163	Left Ventricular Systolic Function in a Population Sample of Elderly Men. <i>Echocardiography</i> , 1998, 15, 315-323.	0.3	10
164	Paralysis During Mechanical Ventilation in Acute Respiratory Distress Syndrome: Back to the Future?. <i>Critical Care Medicine</i> , 2004, 32, 1628-1629.	0.4	10
165	The central circulation in congestive heart failure non-invasively evaluated with dynamic positron emission tomography. <i>Clinical Physiology and Functional Imaging</i> , 2006, 26, 171-177.	0.5	10
166	Improved ventilation-perfusion matching with increasing abdominal pressure during CO ₂ -pneumoperitoneum in pigs. <i>Acta Anaesthesiologica Scandinavica</i> , 2011, 55, 887-896.	0.7	10
167	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. <i>Intensive Care Medicine</i> , 2013, 39, 345-364.	3.9	10
168	Year in review in Intensive Care Medicine 2012: I. Neurology and neurointensive care, epidemiology and nephrology, biomarkers and inflammation, nutrition, experimentals. <i>Intensive Care Medicine</i> , 2013, 39, 232-246.	3.9	10
169	Effects of anaesthesia on ventilation/perfusion matching. <i>European Journal of Anaesthesiology</i> , 2014, 31, 447-449.	0.7	10
170	Small Tidal Volumes, Positive End-expiratory Pressure, and Lung Recruitment Maneuvers during Anesthesia. <i>Anesthesiology</i> , 2015, 123, 501-503.	1.3	10
171	The Increasing Call for Protective Ventilation During Anesthesia. <i>JAMA Surgery</i> , 2017, 152, 893.	2.2	10
172	Neural control of ventilation prevents both over-distension and de-recruitment of experimentally injured lungs. <i>Respiratory Physiology and Neurobiology</i> , 2017, 237, 57-67.	0.7	10
173	Treatment of COVID-19 by Inhaled NO to Reduce Shunt?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 618-618.	2.5	10
174	A model-based source separation algorithm for lung perfusion imaging using electrical impedance tomography. <i>Physiological Measurement</i> , 2021, 42, 084001.	1.2	10
175	Flow-volume curves in healthy non-smokers and in smokers. <i>Clinical Physiology</i> , 1981, 1, 339-348.	0.7	9
176	Ventilation-perfusion relationships in children. <i>Clinical Physiology</i> , 1982, 2, 181-188.	0.7	9
177	Acoustic effects of positive end-expiratory pressure on normal lung sounds in mechanically ventilated pigs. <i>Clinical Physiology and Functional Imaging</i> , 2006, 26, 45-53.	0.5	9
178	Different effects of deep inspirations on central and peripheral airways in healthy and allergen-challenged mice. <i>Respiratory Research</i> , 2008, 9, 23.	1.4	9
179	Open Lung in Lateral Decubitus With Differential Selective Positive End-Expiratory Pressure in an Experimental Model of Early Acute Respiratory Distress Syndrome*. <i>Critical Care Medicine</i> , 2015, 43, e404-e411.	0.4	9
180	First-time imaging of effects of inspired oxygen concentration on regional lung volumes and breathing pattern during hypergravity. <i>European Journal of Applied Physiology</i> , 2015, 115, 353-363.	1.2	9

#	ARTICLE	IF	CITATIONS
181	Altered adrenal and gonadal steroids biosynthesis in patients with burn injury. <i>Clinical Mass Spectrometry</i> , 2016, 1, 19-26.	1.9	9
182	Nitric oxide and COVID-19: Dose, timing and how to administer it might be crucial. <i>Acta Anaesthesiologica Scandinavica</i> , 2021, 65, 576-577.	0.7	9
183	Studies on Intra-Pulmonary Gas Distribution in the Extremely Obese Influence of Anaesthesia and Artificial Ventilation with and without Positive End-Expiratory Pressure. <i>Acta Anaesthesiologica Scandinavica</i> , 1977, 21, 257-265.	0.7	8
184	Separate Lung Blood Flow in Anesthetized Dogs. <i>Anesthesiology</i> , 1987, 67, 240-246.	1.3	8
185	Invited Editorial on Kinetics of absorption atelectasis during anesthesia: a mathematical model. <i>Journal of Applied Physiology</i> , 1999, 86, 1114-1115.	1.2	8
186	Estimating Respiratory System Compliance During Mechanical Ventilation Using Artificial Neural Networks. <i>Anesthesia and Analgesia</i> , 2003, 97, 1143-1148.	1.1	8
187	Year in review in Intensive Care Medicine 2010: II. Pneumonia and infections, cardiovascular and haemodynamics, organization, education, haematology, nutrition, ethics and miscellanea. <i>Intensive Care Medicine</i> , 2011, 37, 196-213.	3.9	8
188	The effects of pulse-delivered inhaled nitric oxide on arterial oxygenation, ventilation-perfusion distribution and plasma endothelin concentration in laterally recumbent isoflurane-anaesthetized horses. <i>Veterinary Anaesthesia and Analgesia</i> , 2013, 40, e19-e30.	0.3	8
189	Mechanical ventilation worsens abdominal edema and inflammation in porcine endotoxemia. <i>Critical Care</i> , 2013, 17, R126.	2.5	8
190	Comprehensive multiplexed protein quantitation delineates eosinophilic and neutrophilic experimental asthma. <i>BMC Pulmonary Medicine</i> , 2014, 14, 110.	0.8	8
191	Effects of superimposed tissue weight on regional compliance of injured lungs. <i>Respiratory Physiology and Neurobiology</i> , 2016, 228, 16-24.	0.7	8
192	The Open Lung Approach Improves Pulmonary Vascular Mechanics in an Experimental Model of Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , 2017, 45, e298-e305.	0.4	8
193	Expiratory Resistances Prevent Expiratory Diaphragm Contraction, Flow Limitation, and Lung Collapse. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 1218-1229.	2.5	8
194	Individualized Positive End-expiratory Pressure and Regional Gas Exchange in Porcine Lung Injury. <i>Anesthesiology</i> , 2020, 132, 808-824.	1.3	8
195	GAS EXCHANGE PATHOPHYSIOLOGY DURING ANESTHESIA. <i>Anesthesiology Clinics</i> , 1998, 16, 113-127.	1.4	7
196	Organ Dysfunction among Piglets Treated with Inhaled Nitric Oxide and Intravenous Hydrocortisone during Prolonged Endotoxin Infusion. <i>PLoS ONE</i> , 2014, 9, e96594.	1.1	7
197	Ventilation/perfusion distributions revisited. <i>Current Opinion in Anaesthesiology</i> , 2016, 29, 2-7.	0.9	7
198	Bronchoconstriction induced by inhaled methacholine delays desflurane uptake and elimination in a piglet model. <i>Respiratory Physiology and Neurobiology</i> , 2016, 220, 88-94.	0.7	7

#	ARTICLE	IF	CITATIONS
199	The real role of the PEEP in operating room: pros & cons. <i>Minerva Anesthesiologica</i> , 2018, 84, 229-235.	0.6	7
200	Oxygen toxicity in major emergency surgery—anything new?. <i>Intensive Care Medicine</i> , 2019, 45, 1802-1805.	3.9	7
201	Sex difference and intra-operative tidal volume. <i>European Journal of Anaesthesiology</i> , 2021, 38, 1034-1041.	0.7	7
202	Dynamic single-slice CT estimates whole-lung dual-energy CT variables in pigs with and without experimental lung injury. <i>Intensive Care Medicine Experimental</i> , 2019, 7, 59.	0.9	7
203	Optimum PEEP During Anesthesia and in Intensive Care is a Compromise but is Better than Nothing. <i>Turkish Journal of Anaesthesiology and Reanimation</i> , 2016, 44, 161-162.	0.8	7
204	Hyperosmolarity-induced relaxation and prostaglandin release in guinea pig trachea in vitro. <i>European Journal of Pharmacology</i> , 2000, 398, 303-307.	1.7	6
205	Year in review in <i>Intensive Care Medicine</i> , 2007. III. Ethics and legislation, health services research, pharmacology and toxicology, nutrition and paediatrics. <i>Intensive Care Medicine</i> , 2008, 34, 598-609.	3.9	6
206	Association between inflammatory mediators and response to inhaled nitric oxide in a model of endotoxin-induced lung injury. <i>Critical Care</i> , 2008, 12, R131.	2.5	6
207	Year in review in <i>Intensive Care Medicine</i> , 2008: III. Paediatrics, Ethics, outcome research and critical care organization, sedation, pharmacology and miscellanea. <i>Intensive Care Medicine</i> , 2009, 35, 405-416.	3.9	6
208	Year in review in <i>Intensive Care Medicine</i> 2009: II. Neurology, cardiovascular, experimental, pharmacology and sedation, communication and teaching. <i>Intensive Care Medicine</i> , 2010, 36, 412-427.	3.9	6
209	Lung aeration during ventilation after recruitment guided by tidal elimination of carbon dioxide and dynamic compliance was better than after end-tidal carbon dioxide targeted ventilation: A computed tomography study in surfactant-depleted piglets*. <i>Pediatric Critical Care Medicine</i> , 2011, 12, e362-e368.	0.2	6
210	Validating the inspired sinewave technique to measure the volume of the “baby lung” in a porcine lung-injury model. <i>British Journal of Anaesthesia</i> , 2020, 124, 345-353.	1.5	6
211	Measurement of Electrical Impedance Tomography-Based Regional Ventilation Delay for Individualized Titration of End-Expiratory Pressure. <i>Journal of Clinical Medicine</i> , 2021, 10, 2933.	1.0	6
212	Safety and efficacy evaluation of the automatic stepwise recruitment maneuver in the neonatal population: An in vivo interventional study. Can anesthesiologists safely perform automatic lung recruitment maneuvers in neonates?. <i>Paediatric Anaesthesia</i> , 2021, 31, 1003-1010.	0.6	6
213	Complete Airway Closure. <i>Anesthesiology</i> , 2020, 133, 705-707.	1.3	6
214	Mechanics of the respiratory system in ARDS. <i>Acta Anaesthesiologica Scandinavica</i> , 1991, 35, 29-34.	0.7	5
215	Change in Expiratory Flow Detects Partial Endotracheal Tube Obstruction in Pressure-Controlled Ventilation. <i>Anesthesia and Analgesia</i> , 2006, 103, 650-657.	1.1	5
216	Pulmonary Shunt Is Independent of Decrease in Cardiac Output during Unsupported Spontaneous Breathing in the Pig. <i>Anesthesiology</i> , 2013, 118, 914-923.	1.3	5

#	ARTICLE	IF	CITATIONS
217	No redistribution of lung blood flow by inhaled nitric oxide in endotoxemic piglets pretreated with an endothelin receptor antagonist. <i>Journal of Applied Physiology</i> , 2015, 118, 768-775.	1.2	5
218	Case Studies in Physiology: Ventilation and perfusion in a giraffeâ€“does size matter?. <i>Journal of Applied Physiology</i> , 2016, 121, 1374-1378.	1.2	5
219	Ten physiologic advances that improved treatment for ARDS. <i>Intensive Care Medicine</i> , 2016, 42, 814-816.	3.9	5
220	Robustness of two different methods of monitoring respiratory system compliance during mechanical ventilation. <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 1819-1828.	1.6	5
221	Effect of Bronchoconstriction-induced Ventilationâ€“Perfusion Mismatch on Uptake and Elimination of Isoflurane and Desflurane. <i>Anesthesiology</i> , 2017, 127, 800-812.	1.3	5
222	Data on the effects of remote ischemic preconditioning in the lungs after one-lung ventilation. <i>Data in Brief</i> , 2018, 21, 441-448.	0.5	5
223	Inspiratory Efforts, Positive End-Expiratory Pressure, and External Resistances Influence Intraparenchymal Gas Redistribution in Mechanically Ventilated Injured Lungs. <i>Frontiers in Physiology</i> , 2020, 11, 618640.	1.3	5
224	Bedside monitoring of lung volume available for gas exchange. <i>Intensive Care Medicine Experimental</i> , 2021, 9, 3.	0.9	5
225	Both Inhaled Histamine and Hypertonic Saline Increase Airway Reactivity in Non-Sensitised Rabbits<footref rid="foot01">¹</footref>. <i>Respiration</i> , 1999, 66, 349-354.	1.2	4
226	Year in review in <i>Intensive Care Medicine</i> 2010: I. Acute renal failure, outcome, risk assessment and ICU performance, sepsis, neuro intensive care and experimentals. <i>Intensive Care Medicine</i> , 2011, 37, 19-34.	3.9	4
227	Influence from breathing pattern on alcohol and tracer gas expirogramsâ€“Implications for alcohol use. <i>Forensic Science International</i> , 2011, 206, 52-57.	1.3	4
228	THAM reduces CO2-associated increase in pulmonary vascular resistance â€“ an experimental study in lung-injured piglets. <i>Critical Care</i> , 2015, 19, 331.	2.5	4
229	Effects on Pulmonary Vascular Mechanics of Two Different Lung-Protective Ventilation Strategies in an Experimental Model of Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , 2017, 45, e1157-e1164.	0.4	4
230	Effect of mechanical ventilation versus spontaneous breathing on abdominal edema and inflammation in ARDS: an experimental porcine model. <i>BMC Pulmonary Medicine</i> , 2020, 20, 106.	0.8	4
231	<i>Respiratory Physiology.</i> , 2010, , 361-391.		4
232	Lung heterogeneity and deadspace volume in animals with acute respiratory distress syndrome using the inspired sinewave test. <i>Physiological Measurement</i> , 2020, 41, 115009.	1.2	4
233	Ventilation Is Not Depressed in Patients with Hypoxemia and Acute COVID-19 Infection. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 1119-1120.	2.5	4
234	Pulmonary function after long-term exposure to trichlorophenol. <i>International Archives of Occupational and Environmental Health</i> , 1982, 49, 275-280.	1.1	3

#	ARTICLE	IF	CITATIONS
235	Year in review in Intensive Care Medicine, 2007. I. Experimental studies. Clinical studies: brain injury and neurology, renal failure and endocrinology. Intensive Care Medicine, 2008, 34, 229-242.	3.9	3
236	Distant effects of nitric oxide inhalation in endotoxemic pigs. Critical Care Medicine, 2010, 38, 242-248.	0.4	3
237	Evaluating abdominal oedema during experimental sepsis using an isotope technique. Clinical Physiology and Functional Imaging, 2012, 32, 197-204.	0.5	3
238	Does PEEP matter in the OR?. Trends in Anaesthesia and Critical Care, 2012, 2, 76-80.	0.4	3
239	Does High Oxygen Concentration Reduce Postoperative Infection?. Anesthesiology, 2014, 120, 1050-1050.	1.3	3
240	Abdominal organ perfusion and inflammation in experimental sepsis: a magnetic resonance imaging study. American Journal of Physiology - Renal Physiology, 2019, 316, G187-G196.	1.6	3
241	The effects of anesthesia and muscle paralysis on the respiratory system. , 2012, , 299-307.		3
242	When shall the lung be opened up: During or after cardiac surgery?*. Critical Care Medicine, 2005, 33, 2425-2426.	0.4	2
243	Year in review in Intensive Care Medicine, 2007. II. Haemodynamics, pneumonia, infections and sepsis, invasive and non-invasive mechanical ventilation, acute respiratory distress syndrome. Intensive Care Medicine, 2008, 34, 405-422.	3.9	2
244	Lung aeration during sleep in patients with obstructive sleep apnoea. Clinical Physiology and Functional Imaging, 2010, 30, 301-307.	0.5	2
245	Effects of methacholine infusion on desflurane pharmacokinetics in piglets. Data in Brief, 2015, 5, 939-947.	0.5	2
246	The "normal" ventilated airspaces suffer the most damaging effects of mechanical ventilation. Intensive Care Medicine, 2017, 43, 1057-1058.	3.9	2
247	Unstable Inflation Is Harmful and More Common Supine Than Prone. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 146-147.	2.5	2
248	In Reply. Anesthesiology, 2018, 128, 222-224.	1.3	2
249	Early and late effects of remote ischemic preconditioning on spirometry and gas exchange in healthy volunteers. Respiratory Physiology and Neurobiology, 2020, 271, 103287.	0.7	2
250	Tidal volumes: cold and dry or warm and humid, does it matter?. Journal of Clinical Monitoring and Computing, 2020, 34, 871-873.	0.7	2
251	Open is Better Than Closed. Turkish Journal of Anaesthesiology and Reanimation, 2016, 44, 167-168.	0.8	2
252	Arterial and Mixed Venous Kinetics of Desflurane and Sevoflurane, Administered Simultaneously, at Three Different Global Ventilation to Perfusion Ratios in Piglets with Normal Lungs. Anesthesiology, 2021, 135, 1027-1041.	1.3	2

#	ARTICLE	IF	CITATIONS
253	Atelectasis during anesthesia: Can it be prevented?. <i>Journal of Anesthesia</i> , 1997, 11, 219-224.	0.7	1
254	Deposition of terbutaline in the large or small airways: A single-center pilot study of ventilation-perfusion distributions and airway tone. <i>Current Therapeutic Research</i> , 2002, 63, 536-548.	0.5	1
255	Maintaining nitric oxide-induced airway relaxation with superoxide dismutase. <i>Nitric Oxide - Biology and Chemistry</i> , 2007, 16, 419-424.	1.2	1
256	Right main bronchus perforation detected by 3D-image. <i>BMJ Case Reports</i> , 2011, 2011, bcr1220103639-bcr1220103639.	0.2	1
257	Validation of Bohr dead space measured by volumetric capnography: reply to Graf. <i>Intensive Care Medicine</i> , 2011, 37, 1397-1398.	3.9	1
258	Reply to Hellige and Hahn and Hellige. <i>Journal of Applied Physiology</i> , 2012, 112, 2128-2128.	1.2	1
259	Pro-con debate on preoxygenation: Cons. <i>Trends in Anaesthesia and Critical Care</i> , 2016, 10, 42-44.	0.4	1
260	Effect of remote ischemic preconditioning on exhaled nitric oxide concentration in piglets during and after one-lung ventilation. <i>Respiratory Physiology and Neurobiology</i> , 2020, 276, 103426.	0.7	1
261	Validation of Bohr dead space measured by volumetric capnography. , 2012, , 195-199.		1
262	The effects of anesthesia and muscle paralysis on the respiratory system. , 2009, , 385-393.		1
263	Effect of Global Ventilation to Perfusion Ratio, for Normal Lungs, on Desflurane and Sevoflurane Elimination Kinetics. <i>Anesthesiology</i> , 2021, 135, 1042-1054.	1.3	1
264	Geo-economic variations in epidemiology, ventilation management and outcome of patients receiving intraoperative ventilation during general anesthesia posthoc analysis of an observational study in 29 countries. <i>BMC Anesthesiology</i> , 2022, 22, 15.	0.7	1
265	Duodenum edema due to reduced lymphatic drainage leads to increased inflammation in a porcine endotoxemic model. <i>Intensive Care Medicine Experimental</i> , 2022, 10, 17.	0.9	1
266	III.5 Chemical Disasters: Lung Injuries. <i>Prehospital and Disaster Medicine</i> , 1995, 10, S82-S82.	0.7	0
267	Imaging of the lung by hyperpolarized gases – a new fascinating technique to study regional pulmonary function. <i>Acta Radiologica</i> , 2000, 41, 517-518.	0.5	0
268	Effects of hyperosmolarity and airway epithelial ion transport inhibitors on sodium nitroprusside-induced relaxation of guinea pig trachea. <i>Respiratory Physiology and Neurobiology</i> , 2005, 146, 239-246.	0.7	0
269	Reply: The Rediscovery of Galligas. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1004.2-1004.	2.8	0
270	Recruitment and PEEP level influences long-time aeration in saline lavaged piglets: an experimental model. <i>Paediatric Anaesthesia</i> , 2012, 22, 1072-1079.	0.6	0

#	ARTICLE	IF	CITATIONS
271	Maintenance of Airway Pressure During Filter Exchange Due to Auto-Trigging. Respiratory Care, 2014, 59, 1210-1217.	0.8	0
272	What Happens to the Lung During Mechanical Ventilation and One-Lung Ventilation?. , 2017, , 1-12.		0
273	In Reply. Anesthesiology, 2017, 127, 204-204.	1.3	0
274	Animal Models of Lung Physiology during Anesthesia. , 2004, , 263-287.		0
275	A comparison of the MIGET and a simple model of pulmonary gas exchange. FASEB Journal, 2010, 24, 1063.4.	0.2	0
276	The hidden pulmonary dysfunction in acute lung injury. , 2012, , 383-384.		0
277	Pathophysiology of asthma. Current Opinion in Anaesthesiology, 1998, 11, 61-66.	0.9	0
278	The effects of anesthesia and muscle paralysis on the respiratory system. , 2006, , 313-321.		0