

Goran Hedenstierna

List of Publications by Year in descending order

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Version: 2024-02-01

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	Geographical 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
2	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
3	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
4	Sex difference and intra-operative tidal volume. <i>European Journal of Anaesthesiology</i> , 2021, 38, 1034-1041.	0.7	7
5	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
6	The Association of Intraoperative driving pressure with postoperative pulmonary complications in open versus closed abdominal surgery patients – a posthoc propensity score – weighted cohort analysis of the LAS VEGAS study. <i>BMC Anesthesiology</i> , 2021, 21, 84.	0.7	19
7	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
8	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
9	A model-based source separation algorithm for lung perfusion imaging using electrical impedance tomography. <i>Physiological Measurement</i> , 2021, 42, 084001.	1.2	10
10	Bedside monitoring of lung volume available for gas exchange. <i>Intensive Care Medicine Experimental</i> , 2021, 9, 3.	0.9	5
11	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
12	Arterial and Mixed Venous Kinetics of Desflurane and Sevoflurane, Administered Simultaneously, at Three Different Global Ventilation to Perfusion Ratios in Piglets with Normal Lungs. <i>Anesthesiology</i> , 2021, 135, 1027-1041.	1.3	2
13	Early and late effects of remote ischemic preconditioning on spirometry and gas exchange in healthy volunteers. <i>Respiratory Physiology and Neurobiology</i> , 2020, 271, 103287.	0.7	2
14	Mechanical Ventilation Redistributes Blood to Poorly Ventilated Areas in Experimental Lung Injury*. <i>Critical Care Medicine</i> , 2020, 48, e200-e208.	0.4	15
15	Tidal volumes: cold and dry or warm and humid, does it matter?. <i>Journal of Clinical Monitoring and Computing</i> , 2020, 34, 871-873.	0.7	2
16	Mitigation of the replication of SARS-CoV-2 by nitric oxide in vitro. <i>Redox Biology</i> , 2020, 37, 101734.	3.9	135
17	How to ventilate obese patients in the ICU. <i>Intensive Care Medicine</i> , 2020, 46, 2423-2435.	3.9	59
18	Airway closure, more harmful than atelectasis in intensive care?. <i>Intensive Care Medicine</i> , 2020, 46, 2373-2376.	3.9	17

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	Individualized Positive End-expiratory Pressure and Regional Gas Exchange in Porcine Lung Injury. <i>Anesthesiology</i> , 2020, 132, 808-824.	1.3	8
29	Complete Airway Closure. <i>Anesthesiology</i> , 2020, 133, 705-707.	1.3	6
30	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
31	Oxygen toxicity in major emergency surgery" anything new?. <i>Intensive Care Medicine</i> , 2019, 45, 1802-1805.	3.9	7
32	Oxygenation Impairment during Anesthesia. <i>Anesthesiology</i> , 2019, 131, 46-57.	1.3	35
33	Positive End-expiratory Pressure and Postoperative Atelectasis. <i>Anesthesiology</i> , 2019, 131, 809-817.	1.3	19
34	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
35	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
36	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

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37	Abdominal organ perfusion and inflammation in experimental sepsis: a magnetic resonance imaging study. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 316, G187-G196.	1.6	3
38	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
39	Positive End-expiratory Pressure Alone Minimizes Atelectasis Formation in Nonabdominal Surgery. <i>Anesthesiology</i> , 2018, 128, 1117-1124.	1.3	46
40	Unstable Inflation Is Harmful and More Common Supine Than Prone. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 146-147.	2.5	2
41	In Reply. <i>Anesthesiology</i> , 2018, 128, 222-224.	1.3	2
42	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
43	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
44	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
45	The real role of the PEEP in operating room: pros & cons. <i>Minerva Anestesiologica</i> , 2018, 84, 229-235.	0.6	7
46	The LAS VEGAS risk score for prediction of postoperative pulmonary complications. <i>European Journal of Anaesthesiology</i> , 2018, 35, 691-701.	0.7	90
47	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
48	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
49	The "normal" ventilated airspaces suffer the most damaging effects of mechanical ventilation. <i>Intensive Care Medicine</i> , 2017, 43, 1057-1058.	3.9	2
50	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
51	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
52	Who Can Make Sense of the WHO Guidelines to Prevent Surgical Site Infection?. <i>Anesthesiology</i> , 2017, 126, 771-773.	1.3	39
53	The Increasing Call for Protective Ventilation During Anesthesia. <i>JAMA Surgery</i> , 2017, 152, 893.	2.2	10
54	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

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55	What Happens to the Lung During Mechanical Ventilation and One-Lung Ventilation?. , 2017, , 1-12.		0
56	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
57	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
58	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
59	Respiratory oscillations in alveolar oxygen tension measured in arterial blood. <i>Scientific Reports</i> , 2017, 7, 7499.	1.6	23
60	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
61	In Reply. <i>Anesthesiology</i> , 2017, 127, 204-204.	1.3	0
62	WHO Needs High FIO2?. <i>Turkish Journal of Anaesthesiology and Reanimation</i> , 2017, 45, 181-192.	0.8	28
63	Ventilation/perfusion distributions revisited. <i>Current Opinion in Anaesthesiology</i> , 2016, 29, 2-7.	0.9	7
64	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
65	Protective Ventilation during Anesthesia. <i>Anesthesiology</i> , 2016, 125, 1079-1082.	1.3	36
66	Altered adrenal and gonadal steroids biosynthesis in patients with burn injury. <i>Clinical Mass Spectrometry</i> , 2016, 1, 19-26.	1.9	9
67	Pro-con debate on preoxygenation: Cons. <i>Trends in Anaesthesia and Critical Care</i> , 2016, 10, 42-44.	0.4	1
68	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
69	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
70	Effects of superimposed tissue weight on regional compliance of injured lungs. <i>Respiratory Physiology and Neurobiology</i> , 2016, 228, 16-24.	0.7	8
71	Ten physiologic advances that improved treatment for ARDS. <i>Intensive Care Medicine</i> , 2016, 42, 814-816.	3.9	5
72	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

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73	Open is Better Than Closed. Turkish Journal of Anaesthesiology and Reanimation, 2016, 44, 167-168.	0.8	2
74	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. American Journal of Nuclear Medicine and Molecular Imaging, 2016, 6, 18-31.	1.0	16
75	Effects of methacholine infusion on desflurane pharmacokinetics in piglets. Data in Brief, 2015, 5, 939-947.	0.5	2
76	Protective <i>i</i> versus <i>i</i> Conventional Ventilation for Surgery. Anesthesiology, 2015, 123, 66-78.	1.3	291
77	Impairment of neutrophilic glucocorticoid receptor function in patients treated with steroids for septic shock. Intensive Care Medicine Experimental, 2015, 3, 59.	0.9	15
78	THAM reduces CO ₂ -associated increase in pulmonary vascular resistance – an experimental study in lung-injured piglets. Critical Care, 2015, 19, 331.	2.5	4
79	Open Lung in Lateral Decubitus With Differential Selective Positive End-Expiratory Pressure in an Experimental Model of Early Acute Respiratory Distress Syndrome*. Critical Care Medicine, 2015, 43, e404-e411.	0.4	9
80	Small Tidal Volumes, Positive End-expiratory Pressure, and Lung Recruitment Maneuvers during Anesthesia. Anesthesiology, 2015, 123, 501-503.	1.3	10
81	What's new in respiratory physiology? The expanding chest wall revisited!. Intensive Care Medicine, 2015, 41, 1110-1113.	3.9	18
82	No redistribution of lung blood flow by inhaled nitric oxide in endotoxemic piglets pretreated with an endothelin receptor antagonist. Journal of Applied Physiology, 2015, 118, 768-775.	1.2	5
83	First-time imaging of effects of inspired oxygen concentration on regional lung volumes and breathing pattern during hypergravity. European Journal of Applied Physiology, 2015, 115, 353-363.	1.2	9
84	Postoperative lung complications: have multicentre studies been of any help?. British Journal of Anaesthesia, 2015, 114, 541-543.	1.5	12
85	Lung Inflammation Persists After 27 Hours of Protective Acute Respiratory Distress Syndrome Network Strategy and Is Concentrated in the Nondependent Lung. Critical Care Medicine, 2015, 43, e123-e132.	0.4	30
86	Effects of anesthesia on the respiratory system. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2015, 29, 273-284.	1.7	81
87	Altering the mechanical scenario to decrease the driving pressure. Critical Care, 2015, 19, 342.	2.5	19
88	Organ Dysfunction among Piglets Treated with Inhaled Nitric Oxide and Intravenous Hydrocortisone during Prolonged Endotoxin Infusion. PLoS ONE, 2014, 9, e96594.	1.1	7
89	A ventilation strategy during general anaesthesia to reduce postoperative atelectasis. Upsala Journal of Medical Sciences, 2014, 119, 242-250.	0.4	26
90	Non-lobar atelectasis generates inflammation and structural alveolar injury in the surrounding healthy tissue during mechanical ventilation. Critical Care, 2014, 18, 505.	2.5	69

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91	Maintenance of Airway Pressure During Filter Exchange Due to Auto-Trigging. <i>Respiratory Care</i> , 2014, 59, 1210-1217.	0.8	0
92	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
93	Regional distribution of lung compliance by image analysis of computed tomograms. <i>Respiratory Physiology and Neurobiology</i> , 2014, 201, 60-70.	0.7	28
94	Comprehensive multiplexed protein quantitation delineates eosinophilic and neutrophilic experimental asthma. <i>BMC Pulmonary Medicine</i> , 2014, 14, 110.	0.8	8
95	Effects of anaesthesia on ventilation/perfusion matching. <i>European Journal of Anaesthesiology</i> , 2014, 31, 447-449.	0.7	10
96	Glucocorticoid receptor function is decreased in neutrophils during endotoxic shock. <i>Journal of Infection</i> , 2014, 69, 113-122.	1.7	24
97	Does High Oxygen Concentration Reduce Postoperative Infection?. <i>Anesthesiology</i> , 2014, 120, 1050-1050.	1.3	3
98	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
99	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
100	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
101	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
102	Year in review in <i>Intensive Care Medicine</i> 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
103	Year in review in <i>Intensive Care Medicine</i> 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
104	Pressure safety range of barotrauma with lung recruitment manoeuvres. <i>European Journal of Anaesthesiology</i> , 2013, 30, 567-574.	0.7	21
105	The effects of pulse-delivered inhaled nitric oxide on arterial oxygenation, ventilation-perfusion distribution and plasma endothelin-1 concentration in laterally recumbent isoflurane-anaesthetized horses. <i>Veterinary Anaesthesia and Analgesia</i> , 2013, 40, e19-e30.	0.3	8
106	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
107	Mechanical ventilation worsens abdominal edema and inflammation in porcine endotoxemia. <i>Critical Care</i> , 2013, 17, R126.	2.5	8
108	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

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109	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
110	Influence of abdominal pressure on respiratory and abdominal organ function. <i>Current Opinion in Critical Care</i> , 2012, 18, 80-85.	1.6	45
111	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
112	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
113	Respiratory Function During Anesthesia: Effects on Gas Exchange. , 2012, 2, 69-96.		80
114	Evaluating abdominal oedema during experimental sepsis using an isotope technique. <i>Clinical Physiology and Functional Imaging</i> , 2012, 32, 197-204.	0.5	3
115	Does PEEP matter in the OR?. <i>Trends in Anaesthesia and Critical Care</i> , 2012, 2, 76-80.	0.4	3
116	Reply to Hellige and Hahn and Hellige. <i>Journal of Applied Physiology</i> , 2012, 112, 2128-2128.	1.2	1
117	Year in review in <i>Intensive Care Medicine</i> 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
118	Recruitment and PEEP level influences longâ€time aeration in salineâ€lavage piglets: an experimental model. <i>Paediatric Anaesthesia</i> , 2012, 22, 1072-1079.	0.6	0
119	Oxygen and anesthesia: what lung do we deliver to the postâ€operative ward?. <i>Acta Anaesthesiologica Scandinavica</i> , 2012, 56, 675-685.	0.7	67
120	Year in review in <i>Intensive Care Medicine</i> 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
121	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
122	Validation of Bohr dead space measured by volumetric capnography. , 2012, , 195-199.		1
123	The effects of anesthesia and muscle paralysis on the respiratory system. , 2012, , 299-307.		3
124	The hidden pulmonary dysfunction in acute lung injury. , 2012, , 383-384.		0
125	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
126	Right main bronchus perforation detected by 3D-image. <i>BMJ Case Reports</i> , 2011, 2011, bcr1220103639-bcr1220103639.	0.2	1

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127	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
128	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
129	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
130	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
131	Ventilatory Protective Strategies during Thoracic Surgery. <i>Anesthesiology</i> , 2011, 114, 1025-1035.	1.3	73
132	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
133	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
134	Year in review in Intensive Care Medicine 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
135	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
136	Year in review in Intensive Care Medicine 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
137	Validation of Bohr dead space measured by volumetric capnography. <i>Intensive Care Medicine</i> , 2011, 37, 870-874.	3.9	71
138	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
139	Validation of Bohr dead space measured by volumetric capnography: reply to Graf. <i>Intensive Care Medicine</i> , 2011, 37, 1397-1398.	3.9	1
140	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
141	Influence from breathing pattern on alcohol and tracer gas exprogramsâ€”Implications for alcohol use. <i>Forensic Science International</i> , 2011, 206, 52-57.	1.3	4
142	Reply: The Rediscovery of Galligas. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1004.2-1004.	2.8	0
143	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
144	Distant effects of nitric oxide inhalation in endotoxemic pigs. <i>Critical Care Medicine</i> , 2010, 38, 242-248.	0.4	3

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145	Year in review in Intensive Care Medicine 2009: I. Pneumonia and infections, sepsis, outcome, acute renal failure and acid base, nutrition and glycaemic control. Intensive Care Medicine, 2010, 36, 196-209.	3.9	22
146	Year in review in Intensive Care Medicine 2009: II. Neurology, cardiovascular, experimental, pharmacology and sedation, communication and teaching. Intensive Care Medicine, 2010, 36, 412-427.	3.9	6
147	Year in review in Intensive Care Medicine 2009. Part ÅIII: Mechanical ventilation, acute lung injury and respiratory distress syndrome, pediatrics, ethics, and miscellanea. Intensive Care Medicine, 2010, 36, 567-584.	3.9	13
148	Mechanisms of atelectasis in the perioperative period. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2010, 24, 157-169.	1.7	176
149	Lung aeration during sleep in patients with obstructive sleep apnoea. Clinical Physiology and Functional Imaging, 2010, 30, 301-307.	0.5	2
150	Concomitant administration of nitric oxide and glucocorticoids improves protection against bronchoconstriction in a murine model of asthma. Journal of Applied Physiology, 2010, 109, 521-531.	1.2	14
151	Pharyngeal oxygen administration increases the time to serious desaturation at intubation in acute lung injury: an experimental study. Critical Care, 2010, 14, R93.	2.5	33
152	Increased Alveolar Damage After Mechanical Ventilation in a Porcine Model of Thoracic Surgery. Journal of Cardiothoracic and Vascular Anesthesia, 2010, 24, 617-623.	0.6	51
153	Respiratory Physiology. , 2010, , 361-391.		4
154	Lung Recruitment and Positive End-Expiratory Pressure Have Different Effects on CO2 Elimination in Healthy and Sick Lungs. Anesthesia and Analgesia, 2010, 111, 968-977.	1.1	41
155	A comparison of the MIGET and a simple model of pulmonary gas exchange. FASEB Journal, 2010, 24, 1063.4.	0.2	0
156	Comparisons of effects of intravenous and inhaled methacholine on airway physiology in a murine asthma model. Respiratory Physiology and Neurobiology, 2009, 165, 229-236.	0.7	35
157	Year in review in Intensive Care Medicine, 2008: I. Brain injury and neurology, renal failure and endocrinology, metabolism and nutrition, sepsis, infections and pneumonia. Intensive Care Medicine, 2009, 35, 30-44.	3.9	12
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