Peter M Spieth

List of Publications by Year
in descending order

84	2,811	159358 30	182168 51
papers	citations	h-index	g-index

87	87	87	3400
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Veno-venous extracorporeal membrane oxygenation (vv-ECMO) for severe respiratory failure in adult cancer patients: a retrospective multicenter analysis. Intensive Care Medicine, 2022, 48, 332-342.	3.9	25
2	A year in review in Minerva Anestesiologica 2021. Anesthesia, analgesia, and perioperative medicine. Minerva Anestesiologica, 2022, 88, 206-216.	0.6	0
3	Real-Time Monitoring of Blood Parameters in the Intensive Care Unit: State-of-the-Art and Perspectives. Journal of Clinical Medicine, 2022, 11, 2408.	1.0	6
4	Association of history of cerebrovascular disease with severity of COVID-19. Journal of Neurology, 2021, 268, 773-784.	1.8	19
5	Increased risk of acute stroke among patients with severe COVIDâ€19: a multicenter study and metaâ€analysis. European Journal of Neurology, 2021, 28, 238-247.	1.7	57
6	A year in review in Minerva Anestesiologica 2020. Anesthesia, analgesia, and perioperative medicine. Minerva Anestesiologica, 2021, 87, 253-265.	0.6	0
7	Extracorporeal cardiopulmonary resuscitation: tool or toy?. Minerva Anestesiologica, 2021, 87, 101-105.	0.6	3
8	Potential benefit of convalescent plasma transfusions in immunocompromised patients with COVID-19. Lancet Microbe, The, 2021, 2, e138.	3.4	45
9	Energy requirements of long-term ventilated COVID-19 patients with resolved SARS-CoV-2 infection. Clinical Nutrition ESPEN, 2021, 44, 211-217.	0.5	15
10	Results of the CAPSID randomized trial for high-dose convalescent plasma in patients with severe COVID-19. Journal of Clinical Investigation, 2021, 131, .	3.9	72
11	Influence of Anatomic Conditions on Efficacy and Safety of Combined Intermediate Cervical Plexus Block and Perivascular Infiltration of Internal Carotid Artery in Carotid Endarterectomy: A Prospective Observational Trial. Ultrasound in Medicine and Biology, 2021, 47, 2890-2902.	0.7	1
12	Molecular Dynamics of Lipopolysaccharide-Induced Lung Injury in Rodents. Frontiers in Physiology, 2020, 11, 36.	1.3	100
13	Scarred Lung. An Update on Radiation-Induced Pulmonary Fibrosis. Frontiers in Medicine, 2020, 7, 585756.	1.2	16
14	Critical Care for Potential Liver Transplant Candidates. Anesthesia and Analgesia, 2020, 130, e137.	1.1	0
15	A year in review in Minerva Anestesiologica 2019. Anesthesia, analgesia, and perioperative medicine. Minerva Anestesiologica, 2020, 86, 225-239.	0.6	0
16	Mechanical Ventilation Strategies Targeting Different Magnitudes of Collapse and Tidal Recruitment in Porcine Acid Aspiration-Induced Lung Injury. Journal of Clinical Medicine, 2019, 8, 1250.	1.0	9
17	ERS statement on chest imaging in acute respiratory failure. European Respiratory Journal, 2019, 54, 1900435.	3.1	29
18	Blood transfusion associated lung injury. Journal of Thoracic Disease, 2019, 11, 3609-3615.	0.6	12

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19	Association between night-time surgery and occurrence of intraoperative adverse events and postoperative pulmonary complications. British Journal of Anaesthesia, 2019, 122, 361-369.	1.5	39
20	Declining Mortality in Patients With Acute Respiratory Distress Syndrome: An Analysis of the Acute Respiratory Distress Syndrome Network Trials. Critical Care Medicine, 2019, 47, 315-323.	0.4	39
21	A year in review in Minerva Anestesiologica 2018. Minerva Anestesiologica, 2019, 85, 206-220.	0.6	0
22	Effects of regional anesthesia techniques on local anesthetic plasma levels and complications in carotid surgery: a randomized controlled pilot trial. BMC Anesthesiology, 2019, 19, 218.	0.7	2
23	Variable versus conventional lung protective mechanical ventilation during open abdominal surgery (PROVAR): a randomised controlled trial. British Journal of Anaesthesia, 2018, 120, 581-591.	1.5	19
24	Storage injury and blood transfusions in trauma patients. Current Opinion in Anaesthesiology, 2018, 31, 234-237.	0.9	6
25	Development of a compact stand-alone esophageal pressure measurement device. Current Directions in Biomedical Engineering, 2018, 4, 355-358.	0.2	1
26	Magnetic Resonance Imaging for Quantitative Assessment of Lung Aeration: A Pilot Translational Study. Frontiers in Physiology, 2018, 9, 1120.	1.3	4
27	A year in review in Minerva Anestesiologica 2017. Minerva Anestesiologica, 2018, 84, 269-282.	0.6	0
28	Will all ARDS patients be receiving mechanical ventilation in 2035? No. Intensive Care Medicine, 2017, 43, 570-572.	3.9	1
29	Interhospital transfer of critically ill patients. Minerva Anestesiologica, 2017, 83, 1101-1108.	0.6	17
30	A year in review in Minerva Anestesiologica 2016. Critical Care. Experimental and clinical studies. Minerva Anestesiologica, 2017, 83, 108-120.	0.6	0
31	Randomized controlled trials – a matter of design. Neuropsychiatric Disease and Treatment, 2016, 12, 1341.	1.0	159
32	In Reply. Anesthesiology, 2016, 124, 974-975.	1.3	0
33	Regional tidal lung strain in mechanically ventilated normal lungs. Journal of Applied Physiology, 2016, 121, 1335-1347.	1.2	39
34	Personalized medicine for ARDS: the 2035 research agenda. Intensive Care Medicine, 2016, 42, 756-767.	3.9	58
35	Perioperative hemodynamic therapy: goal-directed or meta-directed?. Minerva Anestesiologica, 2016, 82, 1135-1137.	0.6	1
36	Experimental blunt chest trauma â€“ cardiorespiratory effects of different mechanical ventilation strategies with high positive end-expiratory pressure: a randomized controlled study. BMC Anesthesiology, 2015, 16, 3.	0.7	5

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37	Effects of Ultraprotective Ventilation, Extracorporeal Carbon Dioxide Removal, and Spontaneous Breathing on Lung Morphofunction and Inflammation in Experimental Severe Acute Respiratory Distress Syndrome. Anesthesiology, 2015, 122, 631-646.	1.3	21
38	In Reply. Anesthesiology, 2015, 123, 1479-1480.	1.3	1
39	Intraoperative Protective Mechanical Ventilation for Prevention of Postoperative Pulmonary Complications. Anesthesiology, 2015, 123, 692-713.	1.3	319
40	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.	1.3	30
41	Anesthesia and Monitoring in Small Laboratory Mammals Used in Anesthesiology, Respiratory and Critical Care Research: A Systematic Review on the Current Reporting in Top-10 Impact Factor Ranked Journals. PLoS ONE, 2015, 10, e0134205.	1.1	32
42	Mechanical Stress and the Induction of Lung Fibrosis via the Midkine Signaling Pathway. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 315-323.	2.5	93
43	Non-ventilatory approaches to prevent postoperative pulmonary complications. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2015, 29, 397-410.	1.7	3
44	Correlation of Lung Collapse and Gas Exchange - A Computer Tomographic Study in Sheep and Pigs with Atelectasis in Otherwise Normal Lungs. PLoS ONE, 2015, 10, e0135272.	1.1	12
45	Positive End-Expiratory Pressure and Variable Ventilation in Lung-Healthy Rats under General Anesthesia. PLoS ONE, 2014, 9, e110817.	1.1	14
46	A new adaptive controller for volume-controlled mechanical ventilation in small animals. Experimental Lung Research, 2014, 40, 186-197.	0.5	8
47	Pharmacological therapies for acute respiratory distress syndrome. Current Opinion in Critical Care, 2014, 20, 113-121.	1.6	30
48	Effects of Intravascular Volume Replacement on Lung and Kidney Function and Damage in Nonseptic Experimental Lung Injury. Survey of Anesthesiology, 2014, 58, 215-216.	0.1	0
49	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.	1.4	26
50	Variable versus conventional lung protective mechanical ventilation during open abdominal surgery: study protocol for a randomized controlled trial. Trials, 2014, 15, 155.	0.7	12
51	Higher Levels of Spontaneous Breathing Induce Lung Recruitment and Reduce Global Stress/Strain in Experimental Lung Injury. Anesthesiology, 2014, 120, 673-682.	1.3	44
52	Approaches to Ventilation in Intensive Care. Deutsches Ärzteblatt International, 2014, 111, 714-20.	0.6	14
53	Higher Levels of Spontaneous Breathing Reduce Lung Injury in Experimental Moderate Acute Respiratory Distress Syndrome*. Critical Care Medicine, 2014, 42, e702-e715.	0.4	34
54	Mechanical Ventilationâ€“associated Lung Fibrosis in Acute Respiratory Distress Syndrome. Anesthesiology, 2014, 121, 189-198.	1.3	145

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55	Effects of Intravascular Volume Replacement on Lung and Kidney Function and Damage in Nonseptic Experimental Lung Injury. Anesthesiology, 2013, 118, 395-408.	1.3	31
56	Rationale and study design of ViPS â€“ variable pressure support for weaning from mechanical ventilation: study protocol for an international multicenter randomized controlled open trial. Trials, 2013, 14, 363.	0.7	8
57	Short-term effects of noisy pressure support ventilation in patients with acute hypoxemic respiratory failure. Critical Care, 2013, 17, R261.	2.5	28
58	Chronic obstructive pulmonary disease. Current Opinion in Anaesthesiology, 2012, 25, 24-29.	0.9	20
59	Pulmonary embolism in mechanically ventilated patients. Critical Care Medicine, 2012, 40, 3320-3321.	0.4	1
60	Circadian rhythms. Critical Care Medicine, 2012, 40, 246-253.	0.4	86
61	Comparative effects of proportional assist and variable pressure support ventilation on lung function and damage in experimental lung injury*. Critical Care Medicine, 2012, 40, 2654-2661.	0.4	35
62	Mechanical stress induces lung fibrosis by epithelialâ€“mesenchymal transition*. Critical Care Medicine, 2012, 40, 510-517.	0.4	128
63	Lung recruitment in ARDS: We are still confused, but on a higher PEEP level. Critical Care, 2012, 16, 108.	2.5	19
64	Effects of anesthetic regimes on inflammatory responses in a rat model of acute lung injury. Intensive Care Medicine, 2012, 38, 1548-1555.	3.9	50
65	Computed tomographic assessment of lung weights in trauma patients with early posttraumatic lung dysfunction. Critical Care, 2011, 15, R71.	2.5	15
66	Extrapolation in the analysis of lung aeration by computed tomography: a validation study. Critical Care, 2011, 15, R279.	2.5	19
67	Pressure support improves oxygenation and lung protection compared to pressure-controlled ventilation and is further improved by random variation of pressure support*. Critical Care Medicine, 2011, 39, 746-755.	0.4	71
68	Distribution of regional lung aeration and perfusion during conventional and noisy pressure support ventilation in experimental lung injury. Journal of Applied Physiology, 2011, 110, 1083-1092.	1.2	47
69	Forced oscillation technique: an alternative tool to define the optimal PEEP?. Intensive Care Medicine, 2011, 37, 1235-1237.	3.9	1
70	Analyzing lung crackle sounds: stethoscopes and beyond. Intensive Care Medicine, 2011, 37, 1238-1239.	3.9	6
71	Open lung approach vs acute respiratory distress syndrome network ventilation in experimental acute lung injury. British Journal of Anaesthesia, 2011, 107, 388-397.	1.5	25
72	A novel adaptive control system for noisy pressure-controlled ventilation: a numerical simulation and bench test study. Intensive Care Medicine, 2010, 36, 164-168.	3.9	13

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73	Pretreatment with perfluorohexane vapor attenuates fMLP-induced lung injury in isolated perfused rabbit lungs. Experimental Lung Research, 2010, 36, 342-351.	0.5	7
74	Regional lung aeration and ventilation during pressure support and biphasic positive airway pressure ventilation in experimental lung injury. Critical Care, 2010, 14, R34.	2.5	38
75	Effects of perfluorohexane vapor in the treatment of experimental lung injury. Pulmonary Pharmacology and Therapeutics, 2010, 23, 450-455.	1.1	4
76	Variable Tidal Volumes Improve Lung Protective Ventilation Strategies in Experimental Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 684-693.	2.5	136
77	Comparison of objective methods to classify the pattern of respiratory sinus arrhythmia during mechanical ventilation and paced spontaneous breathing. Physiological Measurement, 2009, 30, 1151-1162.	1.2	7
78	Pressure Support Ventilation and Biphasic Positive Airway Pressure Improve Oxygenation by Redistribution of Pulmonary Blood Flow. Anesthesia and Analgesia, 2009, 109, 856-865.	1.1	43
79	Effects of Different Levels of Pressure Support Variability in Experimental Lung Injury. Anesthesiology, 2009, 110, 342-350.	1.3	69
80	Ability of dynamic airway pressure curve profile and elastance for positive end-expiratory pressure titration. Intensive Care Medicine, 2008, 34, 2291-9.	3.9	82
81	Noisy pressure support ventilation: A pilot study on a new assisted ventilation mode in experimental lung injury*. Critical Care Medicine, 2008, 36, 818-827.	0.4	99
82	Effects of vaporized perfluorohexane and partial liquid ventilation on regional distribution of alveolar damage in experimental lung injury. Intensive Care Medicine, 2007, 33, 308-314.	3.9	38
83	Comparative Effects of Vaporized Perfluorohexane and Partial Liquid Ventilation in Oleic Acidâ€“ induced Lung Injury. Anesthesiology, 2006, 104, 278-289.	1.3	31
84	VAPORIZED PERFLUOROHEXANE VS. PARTIAL LIQUID VENTILATION IN EXPERIMENTAL LUNG INJURY. ASAIO Journal, 2006, 52, 491.	0.9	0