Robert Huhle

List of Publications by Year
in descending order

24 papers	317 citations	933447 10 h-index	839539 18 g-index
24 all docs	24 docs citations	24 times ranked	312 citing authors

#	Article	IF	Citations
1	Respiratory system mechanics in one-lung ventilation using double-lumen tubes. Intensive Care Medicine Experimental, 2022, 10, .	1.9	0
2	Mechanical Power Correlates With Lung Inflammation Assessed by Positron-Emission Tomography in Experimental Acute Lung Injury in Pigs. Frontiers in Physiology, 2021, 12, 717266.	2.8	8
3	Automatic Lung Segmentation and Quantification of Aeration in Computed Tomography of the Chest Using 3D Transfer Learning. Frontiers in Physiology, 2021, 12, 725865.	2.8	4
4	Effects of variable versus nonvariable controlled mechanical ventilation on pulmonary inflammation in experimental acute respiratory distress syndrome in pigs. British Journal of Anaesthesia, 2020, 124, 430-439.	3.4	9
5	Continuous external negative pressure improves oxygenation and respiratory mechanics in Experimental Lung Injury in Pigs â€“ A pilot proof-of-concept trial. Intensive Care Medicine Experimental, 2020, 8, 49.	1.9	1
6	Effects of Positive End-Expiratory Pressure and Spontaneous Breathing Activity on Regional Lung Inflammation in Experimental Acute Respiratory Distress Syndrome. Critical Care Medicine, 2019, 47, e358-e365.	0.9	28
7	Intratidal Analysis of Intraoperative Respiratory System Mechanics. Anesthesia and Analgesia, 2018, 126, 725-726.	2.2	0
8	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
9	Respiratory System Mechanics During Low Versus High Positive End-Expiratory Pressure in Open Abdominal Surgery. Anesthesia and Analgesia, 2018, 126, 143-149.	2.2	28
10	Is mechanical power the final word on ventilator-induced lung injury?â€”no. Annals of Translational Medicine, 2018, 6, 394-394.	1.7	54
11	Periodic Fluctuation of Tidal Volumes Further Improves Variable Ventilation in Experimental Acute Respiratory Distress Syndrome. Frontiers in Physiology, 2018, 9, 905.	2.8	10
12	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
13	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
14	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
15	Variable stretch reduces the pro-inflammatory response of alveolar epithelial cells. PLoS ONE, 2017, 12, e0182369.	2.5	22
16	Comparison between Variable and Conventional Volume-Controlled Ventilation on Cardiorespiratory Parameters in Experimental Emphysema. Frontiers in Physiology, 2016, 7, 277.	2.8	12
17	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
18	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

#	Article	IF	Citations
19	Assessing the eligibility of a non-invasive continuous blood pressure measurement technique for application during total intravenous anaesthesia. Biomedizinische Technik, 2016, 61, 369-379.	0.8	0
20	Variable ventilation from bench to bedside. Critical Care, 2016, 20, 62.	5.8	23
21	Liquid- and Air-Filled Catheters without Balloon as an Alternative to the Air-Filled Balloon Catheter for Measurement of Esophageal Pressure. PLoS ONE, 2014, 9, e103057.	2.5	12
22	A new adaptive controller for volume-controlled mechanical ventilation in small animals. Experimental Lung Research, 2014, 40, 186-197.	1.2	8
23	Characterization of Respiratory Patterns During Assisted Mechanical Ventilation in Experimental ARDS. Biomedizinische Technik, 2013, 58 Suppl 1, .	0.8	0
24	Adaptive control system for volume-controlled ventilation in small animals. Biomedizinische Technik, 2012, 57, .	0.8	0