

Robert Huhle

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8227296/publications.pdf>

Version: 2024-02-01

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	Is mechanical power the final word on ventilator-induced lung injury?â€”no. <i>Annals of Translational Medicine</i> , 2018, 6, 394-394.	1.7	54
2	Lung Functional and Biologic Responses to Variable Ventilation in Experimental Pulmonary and Extrapulmonary Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , 2016, 44, e553-e562.	0.9	34
3	Respiratory System Mechanics During Low Versus High Positive End-Expiratory Pressure in Open Abdominal Surgery. <i>Anesthesia and Analgesia</i> , 2018, 126, 143-149.	2.2	28
4	Effects of Positive End-Expiratory Pressure and Spontaneous Breathing Activity on Regional Lung Inflammation in Experimental Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , 2019, 47, e358-e365.	0.9	28
5	Variable ventilation from bench to bedside. <i>Critical Care</i> , 2016, 20, 62.	5.8	23
6	Effects of pressure support ventilation on ventilator-induced lung injury in mild acute respiratory distress syndrome depend on level of positive end-expiratory pressure. <i>European Journal of Anaesthesiology</i> , 2018, 35, 298-306.	1.7	23
7	Variable stretch reduces the pro-inflammatory response of alveolar epithelial cells. <i>PLoS ONE</i> , 2017, 12, e0182369.	2.5	22
8	Variability in Tidal Volume Affects Lung and Cardiovascular Function Differentially in a Rat Model of Experimental Emphysema. <i>Frontiers in Physiology</i> , 2017, 8, 1071.	2.8	18
9	Liquid- and Air-Filled Catheters without Balloon as an Alternative to the Air-Filled Balloon Catheter for Measurement of Esophageal Pressure. <i>PLoS ONE</i> , 2014, 9, e103057.	2.5	12
10	Comparison between Variable and Conventional Volume-Controlled Ventilation on Cardiorespiratory Parameters in Experimental Emphysema. <i>Frontiers in Physiology</i> , 2016, 7, 277.	2.8	12
11	Variable ventilation improves pulmonary function and reduces lung damage without increasing bacterial translocation in a rat model of experimental pneumonia. <i>Respiratory Research</i> , 2016, 17, 158.	3.6	10
12	Periodic Fluctuation of Tidal Volumes Further Improves Variable Ventilation in Experimental Acute Respiratory Distress Syndrome. <i>Frontiers in Physiology</i> , 2018, 9, 905.	2.8	10
13	Effects of variable versus nonvariable controlled mechanical ventilation on pulmonary inflammation in experimental acute respiratory distress syndrome in pigs. <i>British Journal of Anaesthesia</i> , 2020, 124, 430-439.	3.4	9
14	A new adaptive controller for volume-controlled mechanical ventilation in small animals. <i>Experimental Lung Research</i> , 2014, 40, 186-197.	1.2	8
15	Mechanical Power Correlates With Lung Inflammation Assessed by Positron-Emission Tomography in Experimental Acute Lung Injury in Pigs. <i>Frontiers in Physiology</i> , 2021, 12, 717266.	2.8	8
16	Effects of pressure support and pressure-controlled ventilation on lung damage in a model of mild extrapulmonary acute lung injury with intra-abdominal hypertension. <i>PLoS ONE</i> , 2017, 12, e0178207.	2.5	7
17	Variable Ventilation Improved Respiratory System Mechanics and Ameliorated Pulmonary Damage in a Rat Model of Lung Ischemia-Reperfusion. <i>Frontiers in Physiology</i> , 2017, 8, 257.	2.8	6
18	Automatic Lung Segmentation and Quantification of Aeration in Computed Tomography of the Chest Using 3D Transfer Learning. <i>Frontiers in Physiology</i> , 2021, 12, 725865.	2.8	4

#	ARTICLE	IF	CITATIONS
19	Continuous external negative pressure improves oxygenation and respiratory mechanics in Experimental Lung Injury in Pigs – A pilot proof-of-concept trial. Intensive Care Medicine Experimental, 2020, 8, 49.	1.9	1
20	Adaptive control system for volume-controlled ventilation in small animals. Biomedizinische Technik, 2012, 57, .	0.8	0
21	Characterization of Respiratory Patterns During Assisted Mechanical Ventilation in Experimental ARDS. Biomedizinische Technik, 2013, 58 Suppl 1, .	0.8	0
22	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
23	Intratidal Analysis of Intraoperative Respiratory System Mechanics. Anesthesia and Analgesia, 2018, 126, 725-726.	2.2	0
24	Respiratory system mechanics in one-lung ventilation using double-lumen tubes. Intensive Care Medicine Experimental, 2022, 10, .	1.9	0