

Maurizio Cereda

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

674
citations

687363

13
h-index

580821

25
g-index

35
all docs

35
docs citations

35
times ranked

847
citing authors

#	ARTICLE	IF	CITATIONS
1	Early versus late intubation in COVID-19 patients failing helmet CPAP: A quantitative computed tomography study. <i>Respiratory Physiology and Neurobiology</i> , 2022, 301, 103889.	1.6	8
2	Imatinib alleviates lung injury and prolongs survival in ventilated rats. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2022, 322, L866-L872.	2.9	2
3	Computational lung modelling in respiratory medicine. <i>Journal of the Royal Society Interface</i> , 2022, 19, .	3.4	15
4	CT image segmentation for inflamed and fibrotic lungs using a multi-resolution convolutional neural network. <i>Scientific Reports</i> , 2021, 11, 1455.	3.3	32
5	Computed tomography assessment of PEEP-induced alveolar recruitment in patients with severe COVID-19 pneumonia. <i>Critical Care</i> , 2021, 25, 81.	5.8	59
6	A Community-Based Model to the COVID-19 Humanitarian Crisis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 639579.	3.9	8
7	Diminishing Efficacy of Prone Positioning With Late Application in Evolving Lung Injury. <i>Critical Care Medicine</i> , 2021, 49, e1015-e1024.	0.9	14
8	Characteristics, Outcomes, and Trends of Patients With COVID-19-Related Critical Illness at a Learning Health System in the United States. <i>Annals of Internal Medicine</i> , 2021, 174, 613-621.	3.9	90
9	Lung distribution of gas and blood volume in critically ill COVID-19 patients: a quantitative dual-energy computed tomography study. <i>Critical Care</i> , 2021, 25, 214.	5.8	39
10	Effects of Lung Injury on Regional Aeration and Expiratory Time Constants: Insights From Four-Dimensional Computed Tomography Image Registration. <i>Frontiers in Physiology</i> , 2021, 12, 707119.	2.8	11
11	Pulmonary pyruvate metabolism as an index of inflammation and injury in a rat model of acute respiratory distress syndrome. <i>NMR in Biomedicine</i> , 2020, 33, e4380.	2.8	6
12	Coronavirus Disease 2019 and Acute Respiratory Distress Syndrome: Why the Intensivist Is More Important Than Ever. <i>Critical Care Medicine</i> , 2020, 48, 1838-1840.	0.9	2
13	Low Stretch Ventilation. <i>Anesthesiology</i> , 2020, 132, 944-946.	2.5	0
14	A Model for Predicting Future FEV1 Decline in Smokers Using Hyperpolarized 3He Magnetic Resonance Imaging. <i>Academic Radiology</i> , 2019, 26, 383-394.	2.5	7
15	Efficacy of Oscillation and Lung Expansion in Reducing Postoperative Pulmonary Complication. <i>Journal of the American College of Surgeons</i> , 2019, 229, 458-466e1.	0.5	11
16	Clinical Impact of an Electronic Dashboard and Alert System for Sedation Minimization and Ventilator Liberation: A Before-After Study. , 2019, 1, e0057.		14
17	Imaging the Injured Lung. <i>Anesthesiology</i> , 2019, 131, 716-749.	2.5	29
18	Multibreath Hyperpolarized 3He Imaging Scheme to Measure Alveolar Oxygen Tension and Apparent Diffusion Coefficient. <i>Academic Radiology</i> , 2019, 26, 367-382.	2.5	4

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19	Lung Metabolism and Inflammation during Mechanical Ventilation; An Imaging Approach. Scientific Reports, 2018, 8, 3525.	3.3	12
20	Unstable Inflation Causing Injury. Insight from Prone Position and Paired Computed Tomography Scans. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 197-207.	5.6	32
21	Hyperpolarized gas diffusion MRI of biphasic lung inflation in short- and long-term emphysema models. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L305-L312.	2.9	4
22	Tidal changes on CT and progression of ARDS. Thorax, 2017, 72, 981-989.	5.6	39
23	A hybrid multibreath wash-in wash-out lung function quantification scheme in human subjects using hyperpolarized ³ He MRI for simultaneous assessment of specific ventilation, alveolar oxygen tension, oxygen uptake, and air trapping. Magnetic Resonance in Medicine, 2017, 78, 611-624.	3.0	14
24	Visualizing the Propagation of Acute Lung Injury. Anesthesiology, 2016, 124, 121-131.	2.5	25
25	Early Regional Inflammation. Anesthesiology, 2016, 125, 838-840.	2.5	1
26	Regional Fractional Ventilation by Using Multibreath Wash-in ³ He MR Imaging. Radiology, 2016, 279, 917-924.	7.3	39
27	Mild loss of lung aeration augments stretch in healthy lung regions. Journal of Applied Physiology, 2016, 120, 444-454.	2.5	13
28	Cecal ligation and puncture accelerates development of ventilator-induced lung injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L443-L451.	2.9	14
29	Semiautomatic segmentation of longitudinal computed tomography images in a rat model of lung injury by surfactant depletion. Journal of Applied Physiology, 2015, 118, 377-385.	2.5	20
30	Compartmentalization of Lung Injury—Atelectasis Versus Overstretch*. Critical Care Medicine, 2014, 42, 223-224.	0.9	3
31	Hyperpolarized gas diffusion MRI for the study of atelectasis and acute respiratory distress syndrome. NMR in Biomedicine, 2014, 27, 1468-1478.	2.8	10
32	Imaging the Interaction of Atelectasis and Overdistension in Surfactant-Depleted Lungs*. Critical Care Medicine, 2013, 41, 527-535.	0.9	42
33	Positive End-expiratory Pressure Increments during Anesthesia in Normal Lung Result in Hysteresis and Greater Numbers of Smaller Aerated Airspaces. Anesthesiology, 2013, 119, 1402-1409.	2.5	14
34	Quantitative imaging of alveolar recruitment with hyperpolarized gas MRI during mechanical ventilation. Journal of Applied Physiology, 2011, 110, 499-511.	2.5	37
35	The Critically Ill Injured Patient. Anesthesiology Clinics, 2007, 25, 13-21.	1.4	4