

Guido Musch

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,153
citations

361045

20
h-index

580395

25
g-index

25
all docs

25
docs citations

25
times ranked

1570
citing authors

#	ARTICLE	IF	CITATIONS
1	A Window on the Lung: Molecular Imaging as a Tool to Dissect Pathophysiologic Mechanisms of Acute Lung Disease. <i>Contrast Media and Molecular Imaging</i> , 2019, 2019, 1-7.	0.4	2
2	Relation between Respiratory Mechanics, Inflammation, and Survival in Experimental Mechanical Ventilation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 60, 179-188.	1.4	24
3	Lung Metabolic Activation as an Early Biomarker of Acute Respiratory Distress Syndrome and Local Gene Expression Heterogeneity. <i>Anesthesiology</i> , 2016, 125, 992-1004.	1.3	24
4	Reduced pulmonary blood flow in regions of injury 2 hours after acid aspiration in rats. <i>BMC Anesthesiology</i> , 2015, 15, 36.	0.7	10
5	¹⁸ F-FDG Kinetics Parameters Depend on the Mechanism of Injury in Early Experimental Acute Respiratory Distress Syndrome. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1871-1877.	2.8	33
6	Lung [18F]fluorodeoxyglucose Uptake and Ventilation-Perfusion Mismatch in the Early Stage of Experimental Acute Smoke Inhalation. <i>Anesthesiology</i> , 2014, 120, 683-693.	1.3	12
7	Effect of Local Tidal Lung Strain on Inflammation in Normal and Lipopolysaccharide-Exposed Sheep*. <i>Critical Care Medicine</i> , 2014, 42, e491-e500.	0.4	90
8	Effects of ventilation strategy on distribution of lung inflammatory cell activity. <i>Critical Care</i> , 2013, 17, R175.	2.5	33
9	Regional Lung Derecruitment and Inflammation during 16 Hours of Mechanical Ventilation in Supine Healthy Sheep. <i>Anesthesiology</i> , 2013, 119, 156-165.	1.3	19
10	Positron emission tomography: a tool for better understanding of ventilator-induced and acute lung injury. <i>Current Opinion in Critical Care</i> , 2011, 17, 7-12.	1.6	17
11	Effects of surfactant depletion on regional pulmonary metabolic activity during mechanical ventilation. <i>Journal of Applied Physiology</i> , 2011, 111, 1249-1258.	1.2	41
12	Lung Regional Metabolic Activity and Gas Volume Changes Induced by Tidal Ventilation in Patients with Acute Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 183, 1193-1199.	2.5	188
13	Mild Endotoxemia during Mechanical Ventilation Produces Spatially Heterogeneous Pulmonary Neutrophilic Inflammation in Sheep. <i>Anesthesiology</i> , 2010, 112, 658-669.	1.3	64
14	Spatial Heterogeneity of Lung Perfusion Assessed with ¹³ N PET as a Vascular Biomarker in Chronic Obstructive Pulmonary Disease. <i>Journal of Nuclear Medicine</i> , 2010, 51, 57-65.	2.8	55
15	Measurement of Regional Specific Lung Volume Change Using Respiratory-Gated PET of Inhaled ¹³ N-Nitrogen. <i>Journal of Nuclear Medicine</i> , 2010, 51, 646-653.	2.8	47
16	The prone position results in smaller ventilation defects during bronchoconstriction in asthma. <i>Journal of Applied Physiology</i> , 2009, 107, 266-274.	1.2	33
17	Lungs of patients with acute respiratory distress syndrome show diffuse inflammation in normally aerated regions: A [18F]-fluoro-2-deoxy-D-glucose PET/CT study. <i>Critical Care Medicine</i> , 2009, 37, 2216-2222.	0.4	160
18	Relation between Shunt, Aeration, and Perfusion in Experimental Acute Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 177, 292-300.	2.5	71

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19	Regional Gas Exchange and Cellular Metabolic Activity in Ventilator-induced Lung Injury. <i>Anesthesiology</i> , 2007, 106, 723-735.	1.3	112
20	Self-organized patchiness in asthma as a prelude to catastrophic shifts. <i>Nature</i> , 2005, 434, 777-782.	13.7	504
21	Positron Emission Tomography Imaging of Regional Pulmonary Perfusion and Ventilation. <i>Proceedings of the American Thoracic Society</i> , 2005, 2, 522-527.	3.5	40
22	Effect of Prone Position on Regional Shunt, Aeration, and Perfusion in Experimental Acute Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 172, 480-487.	2.5	186
23	Mechanism by Which a Sustained Inflation Can Worsen Oxygenation in Acute Lung Injury. <i>Anesthesiology</i> , 2004, 100, 323-330.	1.3	102
24	Quantification of regional ventilation-perfusion ratios with PET. <i>Journal of Nuclear Medicine</i> , 2003, 44, 1982-91.	2.8	87
25	Topographical distribution of pulmonary perfusion and ventilation, assessed by PET in supine and prone humans. <i>Journal of Applied Physiology</i> , 2002, 93, 1841-1851.	1.2	199