

Matteo M Pecchiari

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,003
citations

471061

17
h-index

433756

31
g-index

50
all docs

50
docs citations

50
times ranked

807
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-volume ventilation causes peripheral airway injury and increased airway resistance in normal rabbits. <i>Journal of Applied Physiology</i> , 2002, 92, 949-956.	1.2	130
2	Dependence of lung injury on inflation rate during low-volume ventilation in normal open-chest rabbits. <i>Journal of Applied Physiology</i> , 2004, 97, 260-268.	1.2	80
3	Effects of mechanical ventilation at low lung volume on respiratory mechanics and nitric oxide exhalation in normal rabbits. <i>Journal of Applied Physiology</i> , 2005, 99, 433-444.	1.2	59
4	Lung Microbiome in Asthma: Current Perspectives. <i>Journal of Clinical Medicine</i> , 2019, 8, 1967.	1.0	51
5	Cytokine release, small airway injury, and parenchymal damage during mechanical ventilation in normal open-chest rats. <i>Journal of Applied Physiology</i> , 2008, 104, 41-49.	1.2	50
6	Dependence of lung injury on surface tension during low-volume ventilation in normal open-chest rabbits. <i>Journal of Applied Physiology</i> , 2007, 102, 174-182.	1.2	46
7	Pulmonary Dysfunction in Transfusion-dependent Patients with Thalassemia Major. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003, 168, 180-184.	2.5	45
8	Friction and lubrication of pleural tissues. <i>Respiratory Physiology and Neurobiology</i> , 2004, 142, 55-68.	0.7	38
9	Effect of Heliox Breathing on Dynamic Hyperinflation in COPD Patients. <i>Chest</i> , 2004, 125, 2075-2082.	0.4	38
10	Assessment of acute bronchodilator effects from specific airway resistance changes in stable COPD patients. <i>Respiratory Physiology and Neurobiology</i> , 2014, 197, 36-45.	0.7	38
11	Maintaining end-expiratory transpulmonary pressure prevents worsening of ventilator-induced lung injury caused by chest wall constriction in surfactant-depleted rats*. <i>Critical Care Medicine</i> , 2010, 38, 2358-2364.	0.4	34
12	The Relevance of Targeting Treatment to Small Airways in Asthma and COPD. <i>Respiratory Care</i> , 2020, 65, 1392-1412.	0.8	27
13	Reversibility of Airflow Obstruction by Hypoglossus Nerve Stimulation in Anesthetized Rabbits. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 172, 606-612.	2.5	25
14	Acute effects of long-acting bronchodilators on small airways detected in COPD patients by single-breath N ₂ test and lung P-V curve. <i>Journal of Applied Physiology</i> , 2017, 123, 1266-1275.	1.2	25
15	Improvements in Lung Diffusion Capacity following Pulmonary Rehabilitation in COPD with and without Ventilation Inhomogeneity. <i>Respiration</i> , 2016, 92, 295-307.	1.2	22
16	Airway occlusion assessed by single breath N ₂ test and lung P-V curve in healthy subjects and COPD patients. <i>Respiratory Physiology and Neurobiology</i> , 2016, 234, 60-68.	0.7	22
17	Limiting Factors in Walking Performance of Subjects With COPD. <i>Respiratory Care</i> , 2018, 63, 301-310.	0.8	19
18	Helium "oxygen ventilation in the presence of expiratory flow-limitation: A model study. <i>Respiratory Physiology and Neurobiology</i> , 2007, 157, 326-334.	0.7	18

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19	Effects of abdominal distension on breathing pattern and respiratory mechanics in rabbits. <i>Respiratory Physiology and Neurobiology</i> , 2002, 130, 293-304.	0.7	17
20	Expiratory flow-limitation and heliox breathing in resting and exercising COPD patients. <i>Respiratory Physiology and Neurobiology</i> , 2009, 169, 291-296.	0.7	17
21	Bronchodilation test in COPD: effect of inspiratory manoeuvre preceding forced expiration. <i>European Respiratory Journal</i> , 2003, 21, 82-85.	3.1	15
22	Motor control of the diaphragm in anesthetized rabbits. <i>Respiratory Physiology and Neurobiology</i> , 2010, 170, 141-149.	0.7	15
23	The fall in exhaled nitric oxide with ventilation at low lung volumes in rabbits: An index of small airway injury. <i>Respiratory Physiology and Neurobiology</i> , 2008, 160, 215-223.	0.7	14
24	Plasma membrane disruptions with different modes of injurious mechanical ventilation in normal rat lungs*. <i>Critical Care Medicine</i> , 2012, 40, 869-875.	0.4	14
25	Effects of Various Modes of Mechanical Ventilation in Normal Rats. <i>Anesthesiology</i> , 2014, 120, 943-950.	1.3	14
26	The funny current: Even funnier than 40 years ago. Unconventional expression and roles of HCN/f channels all over the body. <i>Progress in Biophysics and Molecular Biology</i> , 2021, 166, 189-204.	1.4	13
27	Plethysmographic Loops: A Window on the Lung Pathophysiology of COPD Patients. <i>Frontiers in Physiology</i> , 2018, 9, 484.	1.3	12
28	Tidal expiratory flow limitation induces expiratory looping of the alveolar pressure-flow relation in COPD patients. <i>Journal of Applied Physiology</i> , 2020, 129, 75-83.	1.2	11
29	Effect of heliox breathing on flow limitation in chronic heart failure patients. <i>European Respiratory Journal</i> , 2009, 33, 1367-1373.	3.1	10
30	Lubricating effect of sialomucin and hyaluronan on pleural mesothelium. <i>Respiratory Physiology and Neurobiology</i> , 2012, 180, 34-39.	0.7	10
31	Esophageal pressure as an estimate of average pleural pressure with lung or chest distortion in rats. <i>Respiratory Physiology and Neurobiology</i> , 2013, 186, 229-235.	0.7	10
32	Mixed lubrication after rewetting of blotted pleural mesothelium. <i>Respiratory Physiology and Neurobiology</i> , 2013, 185, 369-373.	0.7	10
33	Expiratory flow-limitation in mechanically ventilated patients: A risk for ventilator-induced lung injury?. <i>World Journal of Critical Care Medicine</i> , 2019, 8, 1-8.	0.8	10
34	The Airwaysâ€™™ Mechanical Stress in Lung Disease: Implications for COPD Pathophysiology and Treatment Evaluation. <i>Canadian Respiratory Journal</i> , 2019, 2019, 1-8.	0.8	8
35	Lung-deflating ability of rib cage and abdominal muscles in rabbits. <i>Respiratory Physiology and Neurobiology</i> , 2003, 135, 17-24.	0.7	7
36	Cardiovascular Responses During Sepsis. , 2021, 11, 1605-1652.		6

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37	Diagnostic Insights from Plethysmographic Alveolar Pressure Assessed during Spontaneous Breathing in COPD Patients. <i>Diagnostics</i> , 2021, 11, 918.	1.3	5
38	Friction and morphology of pleural mesothelia. <i>Respiratory Physiology and Neurobiology</i> , 2016, 220, 17-24.	0.7	4
39	Standard and viscoelastic mechanical properties of respiratory system compartments in dogs: Effect of volume, posture, and shape. <i>Respiratory Physiology and Neurobiology</i> , 2019, 261, 31-39.	0.7	4
40	Effects of Heliox in Stable COPD Patients at Rest and during Exercise. <i>Pulmonary Medicine</i> , 2012, 2012, 1-7.	0.5	3
41	Factors influencing the shape of the inspiratory flow. <i>Respiration Physiology</i> , 2001, 126, 211-219.	2.8	2
42	Pathophysiology of Chronic Obstructive Pulmonary Disease. <i>Current Respiratory Medicine Reviews</i> , 2008, 4, 250-257.	0.1	2
43	Understanding at-risk subgroups for lung function impairment in life-long nonsmokers with α 1-antitrypsin deficiency. <i>European Respiratory Journal</i> , 2017, 49, 1700114.	3.1	1
44	The development of various forms of lung injury with increasing tidal volume in normal rats. <i>Respiratory Physiology and Neurobiology</i> , 2020, 274, 103369.	0.7	1
45	Plethysmographic assessment of tidal expiratory flow limitation. <i>Respiratory Physiology and Neurobiology</i> , 2022, 296, 103801.	0.7	1
46	HCN3 Channel Expression in Human Leukocytes. <i>Biophysical Journal</i> , 2017, 112, 415a.	0.2	0
47	Heliox administration in anesthetized rabbits with spontaneous inspiratory flow limitation. <i>Journal of Applied Physiology</i> , 2021, 130, 1496-1509.	1.2	0
48	Plethysmographic measurement of intrinsic PEEP in stable COPD patients at rest. , 2017, , .		0
49	Origin of the expiratory looping in the alveolar pressure - flow relation in stable COPD patients at rest. , 2019, , .		0
50	Closing volume predicts the FEV1 response to bronchodilators in patients with COPD. , 2020, , .		0