

Edgardo D'Angelo

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,443
citations

304368

22
h-index

344852

36
g-index

61
all docs

61
docs citations

61
times ranked

819
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	Closing volume: a reappraisal (1967-2007). <i>European Journal of Applied Physiology</i> , 2007, 99, 567-583.	1.2	123
3	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
4	Tonic vagal influences on inspiratory duration. <i>Respiration Physiology</i> , 1975, 24, 287-302.	2.8	60
5	Local alveolar size and transpulmonary pressure in situ and in isolated lungs. <i>Respiration Physiology</i> , 1972, 14, 251-266.	2.8	59
6	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
7	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
8	Thickness and pressure of the pleural liquid at various heights and with various hydrothoraces. <i>Respiration Physiology</i> , 1969, 6, 330-342.	2.8	49
9	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
10	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
11	Continuous recording of pleural surface pressure at various sites. <i>Respiration Physiology</i> , 1973, 19, 356-368.	2.8	40
12	Comparative features of the transpulmonary pressure. <i>Respiration Physiology</i> , 1970, 11, 76-83.	2.8	38
13	Friction and lubrication of pleural tissues. <i>Respiratory Physiology and Neurobiology</i> , 2004, 142, 55-68.	0.7	38
14	Effect of Heliox Breathing on Dynamic Hyperinflation in COPD Patients. <i>Chest</i> , 2004, 125, 2075-2082.	0.4	38
15	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
16	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
17	The Effects of CO ₂ on Respiratory Mechanics in Anesthetized Paralyzed Humans. <i>Anesthesiology</i> , 2001, 94, 604-610.	1.3	33
18	Stress-strain relationships during uniform and non-uniform expansion of isolated lungs. <i>Respiration Physiology</i> , 1975, 23, 87-107.	2.8	27

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19	The effect of limb movements on the regulation of depth and rate of breathing. <i>Respiration Physiology</i> , 1976, 27, 33-52.	2.8	27
20	Topography of pleural surface pressure during simulation of gravity effect on abdomen. <i>Respiration Physiology</i> , 1971, 12, 102-109.	2.8	25
21	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
22	Inspiratory muscle activity during rebreathing in intact and vagotomized rabbits. <i>Respiration Physiology</i> , 1982, 47, 193-218.	2.8	22
23	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
24	Cranio-caudal rib cage distortion with increasing inspiratory airflow in man. <i>Respiration Physiology</i> , 1981, 44, 215-237.	2.8	19
25	Partition of factors contributing to the vertical gradient of transpulmonary pressure. <i>Respiration Physiology</i> , 1971, 12, 90-101.	2.8	18
26	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
27	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
28	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
29	Distribution of transpulmonary pressure and chest wall shape. <i>Respiration Physiology</i> , 1974, 22, 335-344.	2.8	16
30	Motor control of the diaphragm in anesthetized rabbits. <i>Respiratory Physiology and Neurobiology</i> , 2010, 170, 141-149.	0.7	15
31	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
32	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
33	Effects of Various Modes of Mechanical Ventilation in Normal Rats. <i>Anesthesiology</i> , 2014, 120, 943-950.	1.3	14
34	Effects of uneven elastic loads on breathing pattern of anesthetized and conscious men. <i>Respiration Physiology</i> , 1977, 30, 153-168.	2.8	12
35	Plethysmographic Loops: A Window on the Lung Pathophysiology of COPD Patients. <i>Frontiers in Physiology</i> , 2018, 9, 484.	1.3	12
36	The recoil of the most dependent part of the lung. <i>Respiration Physiology</i> , 1968, 5, 379-384.	2.8	11

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37	Immediate response to expiratory threshold load. <i>Respiration Physiology</i> , 1975, 25, 269-284.	2.8	11
38	Vertical gradients of pleural and transpulmonary pressure with liquid-filled lungs. <i>Respiration Physiology</i> , 1975, 23, 159-173.	2.8	11
39	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
40	Effects of single breath lung inflation on the pattern of subsequent breaths. <i>Respiration Physiology</i> , 1977, 31, 1-18.	2.8	10
41	Mechanisms controlling inspiration studied by electrical vagal stimulations in rabbits. <i>Respiration Physiology</i> , 1979, 38, 185-202.	2.8	10
42	Verification of a model for the mechanisms controlling expiratory duration in rabbits under various conditions. <i>Respiration Physiology</i> , 1985, 59, 239-264.	2.8	10
43	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
44	Effects of thoracic dorsal rhizotomy or vagotomy on inspiratory muscle activity at various levels of chemical drive. <i>Respiration Physiology</i> , 1982, 50, 221-238.	2.8	8
45	Effects of body temperature, passive limb motion and level of anesthesia on the activity of the inspiratory muscles. <i>Respiration Physiology</i> , 1984, 56, 105-129.	2.8	8
46	Electrical and mechanical output of the inspiratory muscles in anesthetized dogs. <i>Respiration Physiology</i> , 1990, 79, 177-193.	2.8	8
47	Insertional action of the abdominal muscles in rabbits and dogs. <i>Respiration Physiology</i> , 1996, 104, 147-157.	2.8	8
48	Lung-deflating ability of rib cage and abdominal muscles in rabbits. <i>Respiratory Physiology and Neurobiology</i> , 2003, 135, 17-24.	0.7	7
49	Effect of histamine on the vertical gradient of transpulmonary pressure. <i>Respiration Physiology</i> , 1974, 20, 331-335.	2.8	5
50	Diagnostic Insights from Plethysmographic Alveolar Pressure Assessed during Spontaneous Breathing in COPD Patients. <i>Diagnostics</i> , 2021, 11, 918.	1.3	5
51	Friction and morphology of pleural mesothelia. <i>Respiratory Physiology and Neurobiology</i> , 2016, 220, 17-24.	0.7	4
52	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
53	Factors influencing the shape of the inspiratory flow. <i>Respiration Physiology</i> , 2001, 126, 211-219.	2.8	2
54	Pathophysiology of Chronic Obstructive Pulmonary Disease. <i>Current Respiratory Medicine Reviews</i> , 2008, 4, 250-257.	0.1	2

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55	Lung Mechanics in Disease. , 2008, , 100-110.		2
56	The development of various forms of lung injury with increasing tidal volume in normal rats. Respiratory Physiology and Neurobiology, 2020, 274, 103369.	0.7	1
57	Plethysmographic assessment of tidal expiratory flow limitation. Respiratory Physiology and Neurobiology, 2022, 296, 103801.	0.7	1
58	Clinical Uses of Heliox Mixtures in Chronic Obstructive Pulmonary Disease. Current Respiratory Medicine Reviews, 2009, 5, 168-173.	0.1	0
59	Pulmonary Dysfunction in COPD. Pulmonary Medicine, 2013, 2013, 1-2.	0.5	0
60	Heliox administration in anesthetized rabbits with spontaneous inspiratory flow limitation. Journal of Applied Physiology, 2021, 130, 1496-1509.	1.2	0
61	In memoriam Emilio Agostoni. Respiratory Physiology and Neurobiology, 2021, 294, 103772.	0.7	0