

Jerome A Dempsey

List of Publications by Citations

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67
papers

6,176
citations

35
h-index

69
g-index

69
ext. papers

7,070
ext. citations

4.7
avg, IF

5.9
L-index

#	Paper	IF	Citations
67	Pathophysiology of sleep apnea. <i>Physiological Reviews</i> , 2010 , 90, 47-112	47.9	1194
66	Sleep Apnea: Types, Mechanisms, and Clinical Cardiovascular Consequences. <i>Journal of the American College of Cardiology</i> , 2017 , 69, 841-858	15.1	512
65	Respiratory muscle work compromises leg blood flow during maximal exercise. <i>Journal of Applied Physiology</i> , 1997 , 82, 1573-83	3.7	498
64	Exercise-induced arterial hypoxemia. <i>Journal of Applied Physiology</i> , 1999 , 87, 1997-2006	3.7	446
63	Effects of respiratory muscle work on exercise performance. <i>Journal of Applied Physiology</i> , 2000 , 89, 131-8	3.7	263
62	Consequences of exercise-induced respiratory muscle work. <i>Respiratory Physiology and Neurobiology</i> , 2006 , 151, 242-50	2.8	222
61	Crossing the apnoeic threshold: causes and consequences. <i>Experimental Physiology</i> , 2005 , 90, 13-24	2.4	202
60	Fatiguing inspiratory muscle work causes reflex reduction in resting leg blood flow in humans. <i>Journal of Physiology</i> , 2001 , 537, 277-89	3.9	200
59	Fatiguing inspiratory muscle work causes reflex sympathetic activation in humans. <i>Journal of Physiology</i> , 2000 , 529 Pt 2, 493-504	3.9	194
58	Apnea-hypopnea threshold for CO ₂ in patients with congestive heart failure. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002 , 165, 1245-50	10.2	187
57	Effect of ventilatory drive on carbon dioxide sensitivity below eupnea during sleep. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002 , 165, 1251-60	10.2	161
56	The ventilatory responsiveness to CO ₂ below eupnoea as a determinant of ventilatory stability in sleep. <i>Journal of Physiology</i> , 2004 , 560, 1-11	3.9	151
55	Exercise-induced arterial hypoxaemia in healthy young women. <i>Journal of Physiology</i> , 1998 , 507 (Pt 2), 619-28	3.9	144
54	Cerebrovascular response to carbon dioxide in patients with congestive heart failure. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 172, 371-8	10.2	129
53	Anatomic determinants of sleep-disordered breathing across the spectrum of clinical and nonclinical male subjects. <i>Chest</i> , 2002 , 122, 840-51	5.3	123
52	Respiratory influences on sympathetic vasomotor outflow in humans. <i>Respiratory Physiology and Neurobiology</i> , 2002 , 130, 3-20	2.8	108
51	Pathophysiology of human ventilatory control. <i>European Respiratory Journal</i> , 2014 , 44, 495-512	13.6	84

50	Role of expiratory flow limitation in determining lung volumes and ventilation during exercise. <i>Journal of Applied Physiology</i> , 1999 , 86, 1357-66	3.7	82
49	Prognostic Significance of Fluctuations in End-Expiratory Lung Volume in Hunter-Cheyne-Stokes Breathing. <i>Journal of Clinical Sleep Medicine</i> , 2017 , 13, 1227-1228	3.1	78
48	Effect of hypoxia on the hypopnoeic and apnoeic threshold for CO(2) in sleeping humans. <i>Journal of Physiology</i> , 2001 , 535, 269-78	3.9	72
47	Mechanisms of the cerebrovascular response to apnoea in humans. <i>Journal of Physiology</i> , 2003 , 548, 323-332	3.9	66
46	Respiratory system determinants of peripheral fatigue and endurance performance. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, 457-61	1.2	65
45	Carotid body denervation eliminates apnea in response to transient hypocapnia. <i>Journal of Applied Physiology</i> , 2003 , 94, 155-64	3.7	65
44	Aerobic fitness effects on exercise-induced low-frequency diaphragm fatigue. <i>Journal of Applied Physiology</i> , 1996 , 81, 2156-64	3.7	62
43	Physiology in medicine: obstructive sleep apnea pathogenesis and treatment--considerations beyond airway anatomy. <i>Journal of Applied Physiology</i> , 2014 , 116, 3-12	3.7	61
42	Ventilatory responses to specific CNS hypoxia in sleeping dogs. <i>Journal of Applied Physiology</i> , 2000 , 88, 1840-52	3.7	60
41	Role of central/peripheral chemoreceptors and their interdependence in the pathophysiology of sleep apnea. <i>Advances in Experimental Medicine and Biology</i> , 2012 , 758, 343-9	3.6	57
40	Increased propensity for apnea in response to acute elevations in left atrial pressure during sleep in the dog. <i>Journal of Applied Physiology</i> , 2006 , 101, 76-83	3.7	55
39	Effects of stabilizing or increasing respiratory motor outputs on obstructive sleep apnea. <i>Journal of Applied Physiology</i> , 2013 , 115, 22-33	3.7	54
38	Competition for blood flow distribution between respiratory and locomotor muscles: implications for muscle fatigue. <i>Journal of Applied Physiology</i> , 2018 , 125, 820-831	3.7	52
37	Peripheral chemoreceptors determine the respiratory sensitivity of central chemoreceptors to CO2 : role of carotid body CO2. <i>Journal of Physiology</i> , 2015 , 593, 4225-43	3.9	50
36	Humans In Hypoxia: A Conspiracy Of Maladaptation?!. <i>Physiology</i> , 2015 , 30, 304-16	9.8	49
35	New perspectives concerning feedback influences on cardiorespiratory control during rhythmic exercise and on exercise performance. <i>Journal of Physiology</i> , 2012 , 590, 4129-44	3.9	47
34	Effects of prior exercise on exercise-induced arterial hypoxemia in young women. <i>Journal of Applied Physiology</i> , 1998 , 85, 1556-63	3.7	47
33	Effects of exhaustive endurance exercise on pulmonary gas exchange and airway function in women. <i>Journal of Applied Physiology</i> , 2001 , 91, 847-58	3.7	44

32	Quantifying hypoxia-induced chemoreceptor sensitivity in the awake rodent. <i>Journal of Applied Physiology</i> , 2014 , 117, 816-24	3.7	27
31	Challenges for future research in exercise physiology as applied to the respiratory system. <i>Exercise and Sport Sciences Reviews</i> , 2006 , 34, 92-8	6.7	27
30	Silent hypoxaemia in COVID-19 patients. <i>Journal of Physiology</i> , 2021 , 599, 1057-1065	3.9	25
29	[The John Sutton Lecture: CSEP, 2002]. Pulmonary system limitations to exercise in health. <i>Applied Physiology, Nutrition, and Metabolism</i> , 2003 , 28 Suppl, S2-24		23
28	Central sleep apnea: misunderstood and mistreated!. <i>F1000Research</i> , 2019 , 8,	3.6	16
27	Hypoxic Training Is Not Beneficial in Elite Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 519-522	1.2	14
26	The need for specificity in quantifying neurocirculatory vs. respiratory effects of eucapnic hypoxia and transient hyperoxia. <i>Journal of Physiology</i> , 2020 , 598, 4803-4819	3.9	13
25	Is the healthy respiratory system built just right, overbuilt, or underbuilt to meet the demands imposed by exercise?. <i>Journal of Applied Physiology</i> , 2020 , 129, 1235-1256	3.7	13
24	Ensemble Input of Group III/IV Muscle Afferents to CNS: A Limiting Factor of Central Motor Drive During Endurance Exercise from Normoxia to Moderate Hypoxia. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 903, 325-42	3.6	12
23	Superior laryngeal nerve section alters responses to upper airway distortion in sleeping dogs. <i>Journal of Applied Physiology</i> , 1997 , 83, 768-75	3.7	12
22	Inhibition of inspiratory motor output by high-frequency low-pressure oscillations in the upper airway of sleeping dogs. <i>Journal of Physiology</i> , 1999 , 517 (Pt 1), 259-71	3.9	12
21	Reply from Markus Amann and Jerome A. Dempsey. <i>Journal of Physiology</i> , 2008 , 586, 2029-2030	3.9	11
20	Hormones and Neurochemicals in the Regulation of Breathing 1986 , 181-221		11
19	With haemoglobin as with politics - should we shift right or left?. <i>Journal of Physiology</i> , 2020 , 598, 1419-1420	3.9	8
18	Effects of REM sleep on the ventilatory response to airway occlusion in the dog. <i>Sleep</i> , 1994 , 17, 674-87	1.1	8
17	Physiological Redundancy and the Integrative Responses to Exercise. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2018 , 8,	5.4	7
16	Update on Chemoreception: Influence on Cardiorespiratory Regulation and Pathophysiology. <i>Clinics in Chest Medicine</i> , 2019 , 40, 269-283	5.3	7
15	Cardiorespiratory responses to exercise in CHF: a conspiracy of maladaptation. <i>Journal of Physiology</i> , 2010 , 588, 2683	3.9	5

14	Is the healthy respiratory system (always) built for exercise?. <i>Journal of Physiology</i> , 2006 , 576, 339-40	3.9	5
13	Respiratory Determinants of Exercise Limitation: Focus on Phrenic Afferents and the Lung Vasculature. <i>Clinics in Chest Medicine</i> , 2019 , 40, 331-342	5.3	4
12	Airway, Lung, and Respiratory Muscle Function During Exercise 1996 , 448-514		4
11	A Modeling Study on Inspired CO2 Rebreathing Device for Sleep Apnea Treatment by Means of CFD Analysis and Experiment. <i>Journal of Medical and Biological Engineering</i> , 2017 , 37, 288-297	2.2	3
10	When fatiguing cycling muscles complain, the brain insightfully responds! 2009 , 13-14		2
9	Reply to Marcora. <i>Journal of Applied Physiology</i> , 2011 , 110, 1500-1500	3.7	1
8	Reply from Markus Amann, Lee M. Romer and Jerome A. Dempsey. <i>Journal of Physiology</i> , 2007 , 585, 923-924	3.4	1
7	Career perspective: Jerome A. Dempsey. <i>Extreme Physiology and Medicine</i> , 2014 , 3, 13		
6	Reply to Joseph. <i>Journal of Applied Physiology</i> , 2014 , 117, 1525	3.7	
5	Carotid chemoreceptor modulation of regional blood flow distribution and vascular conductance during exercise. <i>FASEB Journal</i> , 2006 , 20, A814	0.9	
4	Reply to Parkes. <i>Journal of Applied Physiology</i> , 2011 , 110, 861-861	3.7	
3	Reply to White. <i>Journal of Applied Physiology</i> , 2011 , 110, 863-863	3.7	
2	Respiratory influences on muscle sympathetic nerve activity and limb vascular conductance in the steady-state. <i>FASEB Journal</i> , 2013 , 27, 1118.8	0.9	
1	On the horizon of aging and physical activity research. <i>Applied Physiology, Nutrition and Metabolism</i> , 2020 , 45, 113-117		3