

Jerome A Dempsey

List of Publications by Year in descending order

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67
papers

7,802
citations

109321

35
h-index

144013

57
g-index

69
all docs

69
docs citations

69
times ranked

5655
citing authors

#	ARTICLE	IF	CITATIONS
1	Pathophysiology of Sleep Apnea. <i>Physiological Reviews</i> , 2010, 90, 47-112.	28.8	1,592
2	Sleep Apnea. <i>Journal of the American College of Cardiology</i> , 2017, 69, 841-858.	2.8	872
3	Respiratory muscle work compromises leg blood flow during maximal exercise. <i>Journal of Applied Physiology</i> , 1997, 82, 1573-1583.	2.5	562
4	Exercise-induced arterial hypoxemia. <i>Journal of Applied Physiology</i> , 1999, 87, 1997-2006.	2.5	517
5	Effects of respiratory muscle work on exercise performance. <i>Journal of Applied Physiology</i> , 2000, 89, 131-138.	2.5	311
6	Consequences of exercise-induced respiratory muscle work. <i>Respiratory Physiology and Neurobiology</i> , 2006, 151, 242-250.	1.6	282
7	Fatiguing inspiratory muscle work causes reflex reduction in resting leg blood flow in humans. <i>Journal of Physiology</i> , 2001, 537, 277-289.	2.9	240
8	Crossing the apnoeic threshold: causes and consequences. <i>Experimental Physiology</i> , 2005, 90, 13-24.	2.0	238
9	Fatiguing inspiratory muscle work causes reflex sympathetic activation in humans. <i>Journal of Physiology</i> , 2000, 529, 493-504.	2.9	223
10	Apnea—Hypopnea Threshold for CO ₂ in Patients with Congestive Heart Failure. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002, 165, 1245-1250.	5.6	221
11	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.	2.9	192
12	Effect of Ventilatory Drive on Carbon Dioxide Sensitivity below Eupnea during Sleep. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002, 165, 1251-1260.	5.6	187
13	Exercise-induced arterial hypoxaemia in healthy young women. <i>Journal of Physiology</i> , 1998, 507, 619-628.	2.9	170
14	Anatomic Determinants of Sleep-Disordered Breathing Across the Spectrum of Clinical and Nonclinical Male Subjects. <i>Chest</i> , 2002, 122, 840-851.	0.8	149
15	Cerebrovascular Response to Carbon Dioxide in Patients with Congestive Heart Failure. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 172, 371-378.	5.6	144
16	Respiratory influences on sympathetic vasomotor outflow in humans. <i>Respiratory Physiology and Neurobiology</i> , 2002, 130, 3-20.	1.6	133
17	Pathophysiology of human ventilatory control. <i>European Respiratory Journal</i> , 2014, 44, 495-512.	6.7	103
18	Role of expiratory flow limitation in determining lung volumes and ventilation during exercise. <i>Journal of Applied Physiology</i> , 1999, 86, 1357-1366.	2.5	90

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19	Competition for blood flow distribution between respiratory and locomotor muscles: implications for muscle fatigue. <i>Journal of Applied Physiology</i> , 2018, 125, 820-831.	2.5	87
20	Effect of hypoxia on the hypopnoeic and apnoeic threshold for CO ₂ in sleeping humans. <i>Journal of Physiology</i> , 2001, 535, 269-278.	2.9	86
21	Mechanisms of the cerebrovascular response to apnoea in humans. <i>Journal of Physiology</i> , 2003, 548, 323-332.	2.9	81
22	Physiology in Medicine: Obstructive sleep apnea pathogenesis and treatmentâ€”considerations beyond airway anatomy. <i>Journal of Applied Physiology</i> , 2014, 116, 3-12.	2.5	77
23	Respiratory System Determinants of Peripheral Fatigue and Endurance Performance. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 457-461.	0.4	76
24	Aerobic fitness effects on exercise-induced low-frequency diaphragm fatigue. <i>Journal of Applied Physiology</i> , 1996, 81, 2156-2164.	2.5	75
25	Role of Central/Peripheral Chemoreceptors and Their Interdependence in the Pathophysiology of Sleep Apnea. <i>Advances in Experimental Medicine and Biology</i> , 2012, 758, 343-349.	1.6	73
26	Peripheral chemoreceptors determine the respiratory sensitivity of central chemoreceptors to CO ₂ : role of carotid body CO ₂ . <i>Journal of Physiology</i> , 2015, 593, 4225-4243.	2.9	72
27	Carotid body denervation eliminates apnea in response to transient hypocapnia. <i>Journal of Applied Physiology</i> , 2003, 94, 155-164.	2.5	71
28	Ventilatory responses to specific CNS hypoxia in sleeping dogs. <i>Journal of Applied Physiology</i> , 2000, 88, 1840-1852.	2.5	68
29	Effects of stabilizing or increasing respiratory motor outputs on obstructive sleep apnea. <i>Journal of Applied Physiology</i> , 2013, 115, 22-33.	2.5	68
30	Humans In Hypoxia: A Conspiracy Of Maladaptation?!. <i>Physiology</i> , 2015, 30, 304-316.	3.1	67
31	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.	2.5	64
32	Silent hypoxaemia in COVIDâ€“19 patients. <i>Journal of Physiology</i> , 2021, 599, 1057-1065.	2.9	64
33	Effects of prior exercise on exercise-induced arterial hypoxemia in young women. <i>Journal of Applied Physiology</i> , 1998, 85, 1556-1563.	2.5	55
34	New perspectives concerning feedback influences on cardiorespiratory control during rhythmic exercise and on exercise performance. <i>Journal of Physiology</i> , 2012, 590, 4129-4144.	2.9	55
35	Effects of exhaustive endurance exercise on pulmonary gas exchange and airway function in women. <i>Journal of Applied Physiology</i> , 2001, 91, 847-858.	2.5	48
36	Quantifying hypoxia-induced chemoreceptor sensitivity in the awake rodent. <i>Journal of Applied Physiology</i> , 2014, 117, 816-824.	2.5	36

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37	Challenges for Future Research in Exercise Physiology as Applied to the Respiratory System. <i>Exercise and Sport Sciences Reviews</i> , 2006, 34, 92-98.	3.0	33
38	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.	2.5	32
39	The need for specificity in quantifying neurocirculatory <i><i>vs</i></i> . respiratory effects of eucapnic hypoxia and transient hyperoxia. <i>Journal of Physiology</i> , 2020, 598, 4803-4819.	2.9	29
40	Central sleep apnea: misunderstood and mistreated!. <i>F1000Research</i> , 2019, 8, 981.	1.6	29
41	Hypoxic Training Is Not Beneficial in Elite Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 519-522.	0.4	26
42	[The John Sutton Lecture: CSEP, 2002] Pulmonary System Limitations to Exercise in Health. <i>Applied Physiology, Nutrition, and Metabolism</i> , 2003, 28, S2-S24.	1.7	25
43	Apnea Following Mechanical Ventilation May Be Caused by Nonchemical Neuromechanical Influences. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001, 163, 1297-1298.	5.6	21
44	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, 325-342.	1.6	16
45	With haemoglobin as with politics “should we shift right or left?”. <i>Journal of Physiology</i> , 2020, 598, 1419-1420.	2.9	15
46	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, 259-271.	2.9	14
47	Superior laryngeal nerve section alters responses to upper airway distortion in sleeping dogs. <i>Journal of Applied Physiology</i> , 1997, 83, 768-775.	2.5	12
48	Reply from Markus Amann and Jerome A. Dempsey. <i>Journal of Physiology</i> , 2008, 586, 2029-2030.	2.9	12
49	Update on Chemoreception. <i>Clinics in Chest Medicine</i> , 2019, 40, 269-283.	2.1	11
50	Respiratory Determinants of Exercise Limitation. <i>Clinics in Chest Medicine</i> , 2019, 40, 331-342.	2.1	10
51	Effects of REM Sleep on the Ventilatory Response to Airway Occlusion in the Dog. <i>Sleep</i> , 1994, 17, 674-687.	1.1	9
52	Physiological Redundancy and the Integrative Responses to Exercise. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2018, 8, a029660.	6.2	9
53	Is the healthy respiratory system (always) built for exercise?. <i>Journal of Physiology</i> , 2006, 576, 339-340.	2.9	8
54	Cardiorespiratory responses to exercise in CHF: a conspiracy of maladaptation. <i>Journal of Physiology</i> , 2010, 588, 2683-2683.	2.9	5

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55	A Modeling Study on Inspired CO2 Rebreathing Device for Sleep Apnea Treatment by Means of CFD Analysis and Experiment. Journal of Medical and Biological Engineering, 2017, 37, 288-297.	1.8	3
56	Reply from Markus Amann, Lee M. Romer and Jerome A. Dempsey. Journal of Physiology, 2007, 585, 923-924.	2.9	2
57	When fatiguing cycling muscles complain, the brain insightfully responds!. , 2009, , 13-14.		2
58	Reply to Marcora. Journal of Applied Physiology, 2011, 110, 1500-1500.	2.5	1
59	Reply to Joseph. Journal of Applied Physiology, 2014, 117, 1525-1525.	2.5	0
60	Career perspective: Jerome A. Dempsey. Extreme Physiology and Medicine, 2014, 3, 13.	2.5	0
61	On the horizon of aging and physical activity research. Applied Physiology, Nutrition and Metabolism, 2020, 45, 113-117.	1.9	0
62	A tribute to Charles M. "Tip" Tipton (1927-2021). Journal of Applied Physiology, 2021, 131, 192-193.	2.5	0
63	Carotid chemoreceptor modulation of regional blood flow distribution and vascular conductance during exercise. FASEB Journal, 2006, 20, A814.	0.5	0
64	Reply to Parkes. Journal of Applied Physiology, 2011, 110, 861-861.	2.5	0
65	Reply to White. Journal of Applied Physiology, 2011, 110, 863-863.	2.5	0
66	Respiratory influences on muscle sympathetic nerve activity and limb vascular conductance in the steady-state. FASEB Journal, 2013, 27, 1118.8.	0.5	0
67	Prognostic Significance of Fluctuations in End-Expiratory Lung Volume in Hunter-Cheyne-Stokes Breathing. Journal of Clinical Sleep Medicine, 2017, 13, 1227-1228.	2.6	0