

Troy J. Cross

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

287
citations

9
h-index

16
g-index

30
ext. papers

358
ext. citations

3.3
avg, IF

3.4
L-index

#	Paper	IF	Citations
29	Sex differences in large conducting airway anatomy. <i>Journal of Applied Physiology</i> , 2018 , 125, 960-965	3.7	43
28	The resistive and elastic work of breathing during exercise in patients with chronic heart failure. <i>European Respiratory Journal</i> , 2012 , 39, 1449-57	13.6	43
27	The Respiratory Compensation Point is Not a Valid Surrogate for Critical Power. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 1452-1460	1.2	27
26	A single-session testing protocol to determine critical power and \dot{V}_{aO_2} . <i>European Journal of Applied Physiology</i> , 2014 , 114, 1153-61	3.4	21
25	Dynamic cerebral autoregulation is acutely impaired during maximal apnoea in trained divers. <i>PLoS ONE</i> , 2014 , 9, e87598	3.7	18
24	Breathing He-O ₂ attenuates the slow component of O ₂ uptake kinetics during exercise performed above the respiratory compensation threshold. <i>Experimental Physiology</i> , 2010 , 95, 172-83	2.4	18
23	Resistive and elastic work of breathing in older and younger adults during exercise. <i>Journal of Applied Physiology</i> , 2018 , 125, 190-197	3.7	14
22	The Effects of Involuntary Respiratory Contractions on Cerebral Blood Flow during Maximal Apnoea in Trained Divers. <i>PLoS ONE</i> , 2013 , 8, e66950	3.7	14
21	The influence of varying inspired fractions of O ₂ and CO ₂ on the development of involuntary breathing movements during maximal apnoea. <i>Respiratory Physiology and Neurobiology</i> , 2012 , 181, 228-33 ⁸	3.8	13
20	The impact of venous occlusion per se on forearm muscle blood flow: implications for the near-infrared spectroscopy venous occlusion technique. <i>Clinical Physiology and Functional Imaging</i> , 2017 , 37, 293-298	2.4	9
19	Respiratory muscle power and the slow component of O ₂ uptake. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 1797-807	1.2	9
18	Self-reported physical activity before a COVID-19 lockdown is it just a matter of opinion?. <i>BMJ Open Sport and Exercise Medicine</i> , 2021 , 7, e001088	3.4	8
17	The Impact of Averaging Window Length on the "Desaturation Indexes during Overnight Pulse Oximetry at High-Altitude". <i>Sleep</i> , 2015 , 38, 1331-4	1.1	7
16	Evidence of break-points in breathing pattern at the gas-exchange thresholds during incremental cycling in young, healthy subjects. <i>European Journal of Applied Physiology</i> , 2012 , 112, 1067-76	3.4	6
15	The influence of breathing mechanics on the development of the slow component of O ₂ uptake. <i>Respiratory Physiology and Neurobiology</i> , 2010 , 173, 125-31	2.8	6
14	The interactions between respiratory and cardiovascular systems in systolic heart failure. <i>Journal of Applied Physiology</i> , 2020 , 128, 214-224	3.7	5
13	Correcting the dynamic response of a commercial esophageal balloon-catheter. <i>Journal of Applied Physiology</i> , 2016 , 121, 503-11	3.7	5

12	Measurement of regional forearm muscle haemodynamics via the near-infrared spectroscopy venous occlusion technique: the impact of hand circulatory occlusion. <i>Physiological Measurement</i> , 2014 , 35, 2563-73	2.9	4
11	The Influence of Social Distancing Behaviors and Psychosocial Factors on Physical Activity During the COVID-19 Pandemic: Cross-sectional Survey Study. <i>JMIR Public Health and Surveillance</i> , 2021 , 7, e31278	11.4	4
10	Effects of an allosteric hemoglobin affinity modulator on arterial blood gases and cardiopulmonary responses during normoxic and hypoxic low-intensity exercise. <i>Journal of Applied Physiology</i> , 2020 , 128, 1467-1476	3.7	3
9	Thoracic gas compression during forced expiration is greater in men than women. <i>Physiological Reports</i> , 2020 , 8, e14404	2.6	2
8	The syringe potentiometer: a low-cost device for pneumotachograph calibration. <i>Journal of Applied Physiology</i> , 2019 , 127, 1150-1162	3.7	1
7	Load-induced changes in older individuals' hand-finger tremor are ameliorated with targeting. <i>Journal of the Neurological Sciences</i> , 2014 , 339, 69-74	3.2	1
6	Exertional dyspnea associated with chest wall strapping is reduced when external dead space substitutes for part of the exercise stimulus to ventilation. <i>Journal of Applied Physiology</i> , 2017 , 122, 1179-1187	3.7	1
5	Response. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 2609	1.2	1
4	The effect of estimating chest wall compliance on the work of breathing during exercise as determined via the modified Campbell diagram. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021 , 320, R268-R275	3.2	1
3	The Influence of Social Distancing Behaviors and Psychosocial Factors on Physical Activity During the COVID-19 Pandemic: Cross-sectional Survey Study (Preprint)		1
2	The influence of thoracic gas compression and airflow density dependence on the assessment of pulmonary function at high altitude. <i>Physiological Reports</i> , 2018 , 6, e13576	2.6	1
1	A comparison of methods used to quantify the work of breathing during exercise. <i>Journal of Applied Physiology</i> , 2021 , 131, 1123-1133	3.7	1