

Julien V Brugniaux

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.

45
papers

1,990
citations

25
h-index

44
g-index

49
ext. papers

2,284
ext. citations

4.4
avg, IF

4.33
L-index

#	Paper	IF	Citations
45	Sildenafil inhibits altitude-induced hypoxemia and pulmonary hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 171, 275-81	10.2	193
44	Neuromuscular fatigue during a long-duration cycling exercise. <i>Journal of Applied Physiology</i> , 2002 , 92, 1487-93	3.7	170
43	Effects of exposure to intermittent hypoxia on oxidative stress and acute hypoxic ventilatory response in humans. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009 , 180, 1002-9	10.2	133
42	Elevated aerobic fitness sustained throughout the adult lifespan is associated with improved cerebral hemodynamics. <i>Stroke</i> , 2013 , 44, 3235-8	6.7	129
41	Point: Hypobaric hypoxia induces different physiological responses from normobaric hypoxia. <i>Journal of Applied Physiology</i> , 2012 , 112, 1783-4	3.7	124
40	Eighteen days of "living high, training low" stimulate erythropoiesis and enhance aerobic performance in elite middle-distance runners. <i>Journal of Applied Physiology</i> , 2006 , 100, 203-11	3.7	101
39	Impaired cerebral haemodynamic function associated with chronic traumatic brain injury in professional boxers. <i>Clinical Science</i> , 2013 , 124, 177-89	6.5	96
38	Cerebrovascular responses to altitude. <i>Respiratory Physiology and Neurobiology</i> , 2007 , 158, 212-23	2.8	86
37	Cardiovascular and cerebrovascular responses to acute hypoxia following exposure to intermittent hypoxia in healthy humans. <i>Journal of Physiology</i> , 2009 , 587, 3287-99	3.9	72
36	Living high-training low: effect on erythropoiesis and aerobic performance in highly-trained swimmers. <i>European Journal of Applied Physiology</i> , 2006 , 96, 423-33	3.4	66
35	Living high-training low: effect on erythropoiesis and maximal aerobic performance in elite Nordic skiers. <i>European Journal of Applied Physiology</i> , 2006 , 97, 695-705	3.4	62
34	Interchangeability between heart rate and photoplethysmography variabilities during sympathetic stimulations. <i>Physiological Measurement</i> , 2009 , 30, 1357-69	2.9	59
33	Autonomic control of the cardiovascular system during acclimatization to high altitude: effects of sildenafil. <i>Journal of Applied Physiology</i> , 2004 , 97, 935-40	3.7	57
32	Influence of "living high-training low" on aerobic performance and economy of work in elite athletes. <i>European Journal of Applied Physiology</i> , 2006 , 97, 627-36	3.4	56
31	Living high-training low: tolerance and acclimatization in elite endurance athletes. <i>European Journal of Applied Physiology</i> , 2006 , 96, 66-77	3.4	54
30	Counterpoint: Hypobaric hypoxia does not induce different responses from normobaric hypoxia. <i>Journal of Applied Physiology</i> , 2012 , 112, 1784-6	3.7	44
29	Highs and lows of hyperoxia: physiological, performance, and clinical aspects. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018 , 315, R1-R27	3.2	39

28	Acute exercise stress reveals cerebrovascular benefits associated with moderate gains in cardiorespiratory fitness. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014 , 34, 1873-6	7.3	35
27	Exaggerated systemic oxidative-inflammatory-nitrosative stress in chronic mountain sickness is associated with cognitive decline and depression. <i>Journal of Physiology</i> , 2019 , 597, 611-629	3.9	35
26	Polar Activity Watch 200: a new device to accurately assess energy expenditure. <i>British Journal of Sports Medicine</i> , 2010 , 44, 245-9	10.3	34
25	Cerebral and myocardial blood flow responses to hypercapnia and hypoxia in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 301, H1678-86	5.2	34
24	Effects of intermittent hypoxia on heart rate variability during rest and exercise. <i>High Altitude Medicine and Biology</i> , 2005 , 6, 215-25	1.9	33
23	Effects of intermittent hypoxia on erythropoietin, soluble erythropoietin receptor and ventilation in humans. <i>European Respiratory Journal</i> , 2011 , 37, 880-7	13.6	32
22	Effects of the live high-train low method on prooxidant/antioxidant balance on elite athletes. <i>European Journal of Clinical Nutrition</i> , 2009 , 63, 756-62	5.2	31
21	Antioxidant status of elite athletes remains impaired 2 weeks after a simulated altitude training camp. <i>European Journal of Nutrition</i> , 2010 , 49, 285-92	5.2	29
20	Improvement of energy expenditure prediction from heart rate during running. <i>Physiological Measurement</i> , 2014 , 35, 253-66	2.9	22
19	Oxidative stress and HIF-1 alpha modulate hypoxic ventilatory responses after hypoxic training on athletes. <i>Respiratory Physiology and Neurobiology</i> , 2009 , 167, 217-20	2.8	22
18	Thirteen days of "live high-train low" does not affect prooxidant/antioxidant balance in elite swimmers. <i>European Journal of Applied Physiology</i> , 2009 , 106, 517-24	3.4	19
17	Sea-level assessment of dynamic cerebral autoregulation predicts susceptibility to acute mountain sickness at high altitude. <i>Stroke</i> , 2011 , 42, 3628-30	6.7	15
16	Altitude, heart rate variability and aerobic capacities. <i>International Journal of Sports Medicine</i> , 2008 , 29, 300-6	3.6	15
15	Autonomic adaptations in andean trained participants to a 4220-m altitude marathon. <i>Medicine and Science in Sports and Exercise</i> , 2005 , 37, 2148-53	1.2	14
14	Last word on Counterpoint: Hypobaric hypoxia does not induce different physiological responses from normobaric hypoxia. <i>Journal of Applied Physiology</i> , 2012 , 112, 1796	3.7	10
13	Commentaries on Viewpoint: $\dot{V}o$ is an acceptable estimate of cardiorespiratory fitness but not $\dot{V}o$. <i>Journal of Applied Physiology</i> , 2018 , 125, 233-240	3.7	9
12	Blood viscosity and its determinants in the highest city in the world. <i>Journal of Physiology</i> , 2020 , 598, 4121-4130	3.9	9
11	Redox-regulation of haemostasis in hypoxic exercising humans: a randomised double-blind placebo-controlled antioxidant study. <i>Journal of Physiology</i> , 2018 , 596, 4879-4891	3.9	8

10	Hemoglobin and hematocrit are not such good candidates to detect autologous blood doping. <i>International Journal of Hematology</i> , 2009 , 89, 714-5	2.3	8
9	Post-prandial hyperlipidaemia results in systemic nitrosative stress and impaired cerebrovascular function in the aged. <i>Clinical Science</i> , 2017 , 131, 2807-2812	6.5	7
8	Studying cerebral hemodynamics and metabolism using simultaneous near-infrared spectroscopy and transcranial Doppler ultrasound: a hyperventilation and caffeine study. <i>Physiological Reports</i> , 2015 , 3, e12378	2.6	7
7	Effects of exercise intensity on clot microstructure and mechanical properties in healthy individuals. <i>Thrombosis Research</i> , 2016 , 143, 130-6	8.2	6
6	Redox regulation of neurovascular function by acetazolamide: complementary insight into mechanisms underlying high-altitude acclimatisation. <i>Journal of Physiology</i> , 2012 , 590, 3627-8	3.9	4
5	Long-term Exercise Confers Equivalent Neuroprotection in Females Despite Lower Cardiorespiratory Fitness. <i>Neuroscience</i> , 2020 , 427, 58-63	3.9	3
4	Determining an erythropoietin threshold is not sufficient for accelerating erythrocyte production. <i>European Journal of Applied Physiology</i> , 2007 , 99, 325-6; author reply 327-8	3.4	2
3	Effect of 4 days of intermittent hypoxia on oxidative stress in healthy men. <i>FASEB Journal</i> , 2008 , 22, 960.3	0.9	2
2	Commentaries on Viewpoint: Expending our physical activity (measurement) budget wisely. <i>Journal of Applied Physiology</i> , 2011 , 111, 608; discussion 614	3.7	1
1	What role for hypercapnia in obstructive sleep apnea?. <i>Journal of Applied Physiology</i> , 2016 , 121, 362	3.7	