# Julien V Brugniaux

List of Publications by Year
in descending order



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|---|---|---|---|
| 48 papers | 2,497 citations | 218662 26 h-index | 206102 48 g-index |
| 49 all docs | 49 docs citations | 49 times ranked | 2833 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Sildenafil Inhibits Altitude-induced Hypoxemia and Pulmonary Hypertension. American Journal of Respiratory and Critical Care Medicine, 2005, 171, 275-281. | 5.6 | 225 |
| 2 | Neuromuscular fatigue during a long-duration cycling exercise. Journal of Applied Physiology, 2002, 92, 1487-1493. | 2.5 | 186 |
| 3 | Elevated Aerobic Fitness Sustained Throughout the Adult Lifespan Is Associated With Improved Cerebral Hemodynamics. Stroke, 2013, 44, 3235-3238. | 2.0 | 175 |
| 4 | Point: Counterpoint: Hypobaric hypoxia induces/does not induce different responses from normobaric hypoxia. Journal of Applied Physiology, 2012, 112, 1783-1784. | 2.5 | 158 |
| 5 | Effects of Exposure to Intermittent Hypoxia on Oxidative Stress and Acute Hypoxic Ventilatory Response in Humans. American Journal of Respiratory and Critical Care Medicine, 2009, 180, 1002-1009. | 5.6 | 149 |
| 6 | Eighteen days of â€œliving high, training lowâ€• stimulate erythropoiesis and enhance aerobic performance in elite middle-distance runners. Journal of Applied Physiology, 2006, 100, 203-211. | 2.5 | 123 |
| 7 | Impaired cerebral haemodynamic function associated with chronic traumatic brain injury in professional boxers. Clinical Science, 2013, 124, 177-189. | 4.3 | 111 |
| 8 | Cerebrovascular responses to altitude. Respiratory Physiology and Neurobiology, 2007, 158, 212-223. | 1.6 | 101 |
| 9 | Cardiovascular and cerebrovascular responses to acute hypoxia following exposure to intermittent hypoxia in healthy humans. Journal of Physiology, 2009, 587, 3287-3299. | 2.9 | 87 |
| 10 | Highs and lows of hyperoxia: physiological, performance, and clinical aspects. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R1-R27. | 1.8 | 85 |
| 11 | Living highâ€"training low: effect on erythropoiesis and aerobic performance in highly-trained swimmers. European Journal of Applied Physiology, 2006, 96, 423-433. | 2.5 | 80 |
| 12 | Living highâ€"training low: effect on erythropoiesis and maximal aerobic performance in elite Nordic skiers. European Journal of Applied Physiology, 2006, 97, 695-705. | 2.5 | 74 |
| 13 | Interchangeability between heart rate and photoplethysmography variabilities during sympathetic stimulations. Physiological Measurement, 2009, 30, 1357-1369. | 2.1 | 74 |
| 14 | Living high-training low: tolerance and acclimatization in elite endurance athletes. European Journal of Applied Physiology, 2006, 96, 66-77. | 2.5 | 68 |
| 15 | Influence of â€œliving highâ€"training lowâ€• on aerobic performance and economy of work in elite athletes. European Journal of Applied Physiology, 2006, 97, 627-636. | 2.5 | 68 |
| 16 | Autonomic control of the cardiovascular system during acclimatization to high altitude: effects of sildenafil. Journal of Applied Physiology, 2004, 97, 935-940. | 2.5 | 63 |
| 17 | Counterpoint: Hypobaric hypoxia does not induce different responses from normobaric hypoxia. Journal of Applied Physiology, 2012, 112, 1784-1786. | 2.5 | 62 |
| 18 | Exaggerated systemic oxidativeâ€inflammatoryâ€nitrosative stress in chronic mountain sickness is associated with cognitive decline and depression. Journal of Physiology, 2019, 597, 611-629. | 2.9 | 55 |

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|---|---|---|---|
| 19 | Acute Exercise Stress Reveals Cerebrovascular Benefits Associated with Moderate Gains in Cardiorespiratory Fitness. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1873-1876. | 4.3 | 50 |
| 20 | Effects of Intermittent Hypoxia on Heart Rate Variability during Rest and Exercise. High Altitude Medicine and Biology, 2005, 6, 215-225. | 0.9 | 42 |
| 21 | Polar Activity Watch 200: a new device to accurately assess energy expenditure. British Journal of Sports Medicine, 2010, 44, 245-249. | 6.7 | 42 |
| 22 | Cerebral and myocardial blood flow responses to hypercapnia and hypoxia in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H1678-H1686. | 3.2 | 40 |
| 23 | Effects of intermittent hypoxia on erythropoietin, soluble erythropoietin receptor and ventilation in humans. European Respiratory Journal, 2011, 37, 880-887. | 6.7 | 39 |
| 24 | Effects of the â€˜live highâ€“train lowâ€™ method on prooxidant/antioxidant balance on elite athletes. European Journal of Clinical Nutrition, 2009, 63, 756-762. | 2.9 | 36 |
| 25 | Antioxidant status of elite athletes remains impaired 2Âweeks after a simulated altitude training camp. European Journal of Nutrition, 2010, 49, 285-292. | 3.9 | 32 |
| 26 | Oxidative stress and HIF-1Î± modulate hypoxic ventilatory responses after hypoxic training on athletes. Respiratory Physiology and Neurobiology, 2009, 167, 217-220. | 1.6 | 27 |
| 27 | Improvement of energy expenditure prediction from heart rate during running. Physiological Measurement, 2014, 35, 253-266. | 2.1 | 27 |
| 28 | Thirteen days of â€œlive highâ€“train lowâ€•does not affect prooxidant/antioxidant balance in elite swimmers. European Journal of Applied Physiology, 2009, 106, 517-524. | 2.5 | 23 |
| 29 | Blood viscosity and its determinants in the highest city in the world. Journal of Physiology, 2020, 598, 4121-4130. | 2.9 | 23 |
| 30 | Autonomic Adaptations in Andean Trained Participants to a 4220-m Altitude Marathon. Medicine and Science in Sports and Exercise, 2005, 37, 2148-2153. | 0.4 | 20 |
| 31 | Altitude, Heart Rate Variability and Aerobic Capacities. International Journal of Sports Medicine, 2008, 29, 300-306. | 1.7 | 19 |
| 32 | Sea-Level Assessment of Dynamic Cerebral Autoregulation Predicts Susceptibility to Acute Mountain Sickness at High Altitude. Stroke, 2011, 42, 3628-3630. | 2.0 | 19 |
| 33 | Redoxâ€ђregulation of haemostasis in hypoxic exercising humans: a randomised doubleâ€ђblind placeboâ€ђcontrolled antioxidant study. Journal of Physiology, 2018, 596, 4879-4891. | 2.9 | 14 |
| 34 | Last Word on Counterpoint: Hypobaric hypoxia does not induce different physiological responses from normobaric hypoxia. Journal of Applied Physiology, 2012, 112, 1796-1796. | 2.5 | 13 |
| 35 | Commentaries on Viewpoint: VÌ‡<scp>o</scp><sub>2peak</sub> is an acceptable estimate of cardiorespiratory fitness but not VÌ‡<scp>o</scp><sub>2max</sub>. Journal of Applied Physiology, 2018, 125, 233-240. | 2.5 | 12 |
| 36 | Studying cerebral hemodynamics and metabolism using simultaneous near-infrared spectroscopy and transcranial Doppler ultrasound: a hyperventilation and caffeine study. Physiological Reports, 2015, 3, e12378. | 1.7 | 11 |

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|---|---|---|---|
| 37 | Effects of exercise intensity on clot microstructure and mechanical properties in healthy individuals. Thrombosis Research, 2016, 143, 130-136. | 1.7 | 10 |
| 38 | Post-prandial hyperlipidaemia results in systemic nitrosative stress and impaired cerebrovascular function in the aged. Clinical Science, 2017, 131, 2807-2812. | 4.3 | 10 |
| 39 | Hemoglobin and hematocrit are not such good candidates to detect autologous blood doping. International Journal of Hematology, 2009, 89, 714-715. | 1.6 | 9 |
| 40 | Long-term Exercise Confers Equivalent Neuroprotection in Females Despite Lower Cardiorespiratory Fitness. Neuroscience, 2020, 427, 58-63. | 2.3 | 7 |
| 41 | Redox regulation of neurovascular function by acetazolamide: complementary insight into mechanisms underlying highâ€altitude acclimatisation. Journal of Physiology, 2012, 590, 3627-3628. | 2.9 | 6 |
| 42 | Nocturnal hypoxemia, blood pressure, vascular status and chronic mountain sickness in the highest city in the world. Annals of Medicine, 2022, 54, 1884-1893. | 3.8 | 6 |
| 43 | EPR spectroscopic evidence of iron-catalysed free radical formation in chronic mountain sickness: Dietary causes and vascular consequences. Free Radical Biology and Medicine, 2022, 184, 99-113. | 2.9 | 5 |
| 44 | Determining an erythropoietin threshold is not sufficient for accelerating erythrocyte production. European Journal of Applied Physiology, 2007, 99, 325-326. | 2.5 | 3 |
| 45 | Commentaries on Viewpoint: Expending our physical activity (measurement) budget wisely. Journal of Applied Physiology, 2011, 111, 608-613. | 2.5 | 2 |
| 46 | Erythropoietin: friend and foe!. Acta Physiologica, 2014, 212, 125-127. | 3.8 | 2 |
| 47 | Effect of 4 days of intermittent hypoxia on oxidative stress in healthy men. FASEB Journal, 2008, 22, 960.3. | 0.5 | 2 |
| 48 | What role for hypercapnia in obstructive sleep apnea?. Journal of Applied Physiology, 2016, 121, 362-362. | 2.5 | 1 |