

Joshua C Tremblay

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

857
citations

471061

17
h-index

552369

26
g-index

56
all docs

56
docs citations

56
times ranked

865
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Global Research Expedition on Altitude-related Chronic Health 2018 Iron Infusion at High Altitude Reduces Hypoxic Pulmonary Vasoconstriction Equally in Both Lowlanders and Healthy Andean Highlanders. <i>Chest</i> , 2022, 161, 1022-1035. | 0.4 | 8 |
| 2 | GLOBAL REACH 2018: intra-arterial vitamin C improves endothelial-dependent vasodilatory function in humans at high altitude. <i>Journal of Physiology</i> , 2022, 600, 1373-1383. | 1.3 | 5 |
| 3 | The physiological basis underlying functional connectivity differences in older adults: A multi-modal analysis of resting-state fMRI. <i>Brain Imaging and Behavior</i> , 2022, 16, 1575-1591. | 1.1 | 4 |
| 4 | Nitric oxide contributes to cerebrovascular shear-mediated dilatation but not steady-state cerebrovascular reactivity to carbon dioxide. <i>Journal of Physiology</i> , 2022, 600, 1385-1403. | 1.3 | 21 |
| 5 | The 2018 Global Research Expedition on Altitude Related Chronic Health (Global REACH) to Cerro de Pasco, Peru: an Experimental Overview. <i>Experimental Physiology</i> , 2021, 106, 86-103. | 0.9 | 24 |
| 6 | Distinct contributions of skin and core temperatures to flow-mediated dilation of the brachial artery following passive heating. <i>Journal of Applied Physiology</i> , 2021, 130, 149-159. | 1.2 | 13 |
| 7 | Arterial carbon dioxide and bicarbonate rather than pH regulate cerebral blood flow in the setting of acute experimental metabolic alkalosis. <i>Journal of Physiology</i> , 2021, 599, 1439-1457. | 1.3 | 22 |
| 8 | Commentaries on Viewpoint: Differential impact of shear rate in the cerebral and systemic circulation: implications for endothelial function. <i>Journal of Applied Physiology</i> , 2021, 130, 1155-1160. | 1.2 | 1 |
| 9 | Global and country-level estimates of human population at high altitude. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 96 |
| 10 | Alterations in arterial CO ₂ rather than pH affect the kinetics of neurovascular coupling in humans. <i>Journal of Physiology</i> , 2021, 599, 3663-3676. | 1.3 | 8 |
| 11 | Vascular Function Is Differentially Altered by Distance after Prolonged Running. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 597-605. | 0.2 | 8 |
| 12 | No impact of acute hyperglycaemia on arterial stiffness in the early and late follicular phases of the menstrual cycle in young females. <i>Experimental Physiology</i> , 2020, 105, 174-183. | 0.9 | 2 |
| 13 | Through thick and thin: The interdependence of blood viscosity, shear stress and endothelial function. <i>Experimental Physiology</i> , 2020, 105, 232-233. | 0.9 | 4 |
| 14 | Alterations in Cardiac Function Following Endurance Exercise Are Not Duration Dependent. <i>Frontiers in Physiology</i> , 2020, 11, 581797. | 1.3 | 11 |
| 15 | Commentaries on Point:Counterpoint: Investigators should/should not control for menstrual cycle phase when performing studies of vascular control. <i>Journal of Applied Physiology</i> , 2020, 129, 1122-1135. | 1.2 | 8 |
| 16 | Endothelial function and shear stress in hypobaric hypoxia: time course and impact of plasma volume expansion in men. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H980-H994. | 1.5 | 14 |
| 17 | Internal carotid and brachial artery shear-dependent vasodilator function in young healthy humans. <i>Journal of Physiology</i> , 2020, 598, 5333-5350. | 1.3 | 37 |
| 18 | Acute reductions in haematocrit increase flow-mediated dilatation independent of resting nitric oxide bioavailability in humans. <i>Journal of Physiology</i> , 2020, 598, 4225-4236. | 1.3 | 15 |

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|----|--|-----|-----------|
| 19 | UBC-Nepal expedition: dynamic cerebral autoregulation is attenuated in lowlanders upon ascent to 5050m. <i>European Journal of Applied Physiology</i> , 2020, 120, 675-686. | 1.2 | 4 |
| 20 | Indices of Systemic Arterial Health are Associated With Cerebral Perfusion and Structure in a Population of Young and Old Adults. <i>FASEB Journal</i> , 2020, 34, 1-1. | 0.2 | 0 |
| 21 | FACTORS AFFECTING TEAR PRODUCTION AND INTRAOCULAR PRESSURE IN ANESTHETIZED CHIMPANZEES (PAN TROGLODYTES). <i>Journal of Zoo and Wildlife Medicine</i> , 2020, 51, 687-690. | 0.3 | 1 |
| 22 | Sitting cross-legged for 30 min alters lower limb shear stress pattern but not flow-mediated dilation or arterial stiffness. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019, 44, 221-224. | 0.9 | 6 |
| 23 | UBC-Nepal Expedition: Haemoconcentration underlies the reductions in cerebral blood flow observed during acclimatization to high altitude. <i>Experimental Physiology</i> , 2019, 104, 1963-1972. | 0.9 | 7 |
| 24 | Global Reach 2018: reduced flow-mediated dilation stimulated by sustained increases in shear stress in high-altitude excessive erythrocytosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H991-H1001. | 1.5 | 12 |
| 25 | Shear stress and flow-mediated dilation in the normoxic and hypoxic human. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019, 44, 902-902. | 0.9 | 1 |
| 26 | The impact of hypoxaemia on vascular function in lowlanders and high altitude indigenous populations. <i>Journal of Physiology</i> , 2019, 597, 5759-5776. | 1.3 | 27 |
| 27 | Physical activity and the stress of shear: Vasoprotective or vasopreventative?. <i>Experimental Physiology</i> , 2019, 104, 1329-1330. | 0.9 | 0 |
| 28 | Global REACH 2018. <i>Hypertension</i> , 2019, 73, 1327-1335. | 1.3 | 44 |
| 29 | UBC-Nepal expedition: phenotypical evidence for evolutionary adaptation in the control of cerebral blood flow and oxygen delivery at high altitude. <i>Journal of Physiology</i> , 2019, 597, 2993-3008. | 1.3 | 16 |
| 30 | Exercise and the Endothelium. , 2019, , 97-121. | | 2 |
| 31 | Examining the acute effects of retrograde versus low mean shear rate on flow-mediated dilation. <i>Journal of Applied Physiology</i> , 2019, 126, 1335-1342. | 1.2 | 17 |
| 32 | The influence of acute hyperglycaemia on brachial artery flow-mediated dilatation in the early and late follicular phases of the menstrual cycle. <i>Experimental Physiology</i> , 2019, 104, 957-966. | 0.9 | 11 |
| 33 | Ramp and step increases in shear stress result in a similar magnitude of brachial artery flow-mediated dilation. <i>European Journal of Applied Physiology</i> , 2019, 119, 611-619. | 1.2 | 10 |
| 34 | Passive heat therapy for cerebral protection: new ideas of age-old concepts. <i>Journal of Physiology</i> , 2019, 597, 371-372. | 1.3 | 7 |
| 35 | Evidence of sex differences in the acute impact of oscillatory shear stress on endothelial function. <i>Journal of Applied Physiology</i> , 2019, 126, 314-321. | 1.2 | 19 |
| 36 | The Impact Of Acute Hyperglycemia On Heart Rate Variability In Men And Women.. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 331-331. | 0.2 | 0 |

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|----|---|-----|-----------|
| 37 | Arterial Stiffness Is Unaffected By Acute Hyperglycemia And Menstrual Cycle Phase In Premenopausal Women.. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 675-675. | 0.2 | 0 |
| 38 | Flow-mediated dilation stimulated by sustained increases in shear stress: A useful tool for assessing endothelial function in humans?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, ajpheart.00534.. | 1.5 | 45 |
| 39 | UBCâ€™Nepal expedition: The use of oral antioxidants does not alter cerebrovascular function at sea level or high altitude. <i>Experimental Physiology</i> , 2018, 103, 523-534. | 0.9 | 6 |
| 40 | UBC-Nepal Expedition: An experimental overview of the 2016 University of British Columbia Scientific Expedition to Nepal Himalaya. <i>PLoS ONE</i> , 2018, 13, e0204660. | 1.1 | 19 |
| 41 | UBC-Nepal Expedition: imposed oscillatory shear stress does not further attenuate flow-mediated dilation during acute and sustained hypoxia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H122-H131. | 1.5 | 17 |
| 42 | UBC-Nepal expedition: upper and lower limb conduit artery shear stress and flow-mediated dilation on ascent to 5,050 m in lowlanders and Sherpa. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H1532-H1543. | 1.5 | 17 |
| 43 | Maintaining your attitude at altitude. , 2018, , 24-28. | | 0 |
| 44 | Oscillatory shear stress, flow-mediated dilatation, and circulating microparticles at sea level and high altitude. <i>Atherosclerosis</i> , 2017, 256, 115-122. | 0.4 | 30 |
| 45 | UBC-Nepal Expedition: acute alterations in sympathetic nervous activity do not influence brachial artery endothelial function at sea level and high altitude. <i>Journal of Applied Physiology</i> , 2017, 123, 1386-1396. | 1.2 | 13 |
| 46 | One session of remote ischemic preconditioning does not improve vascular function in acute normobaric and chronic hypobaric hypoxia. <i>Experimental Physiology</i> , 2017, 102, 1143-1157. | 0.9 | 16 |
| 47 | Disturbed blood flow worsens endothelial dysfunction in moderate-severe chronic obstructive pulmonary disease. <i>Scientific Reports</i> , 2017, 7, 16929. | 1.6 | 26 |
| 48 | The effect of β -adrenergic blockade on post-exercise brachial artery flow-mediated dilatation at sea level and high altitude. <i>Journal of Physiology</i> , 2017, 595, 1671-1686. | 1.3 | 23 |
| 49 | Intermittent hypoxia and arterial blood pressure control in humans: role of the peripheral vasculature and carotid baroreflex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H699-H706. | 1.5 | 31 |
| 50 | Commentaries on Viewpoint: Why predominantly neurological DCS in breath-hold divers?. <i>Journal of Applied Physiology</i> , 2016, 120, 1478-1482. | 1.2 | 6 |
| 51 | The effects of graded changes in oxygen and carbon dioxide tension on coronary blood velocity independent of myocardial energy demand. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H326-H336. | 1.5 | 7 |
| 52 | Measuring the human ventilatory and cerebral blood flow response to CO_2 : a technical consideration for the end-tidal-to-arterial gas gradient. <i>Journal of Applied Physiology</i> , 2016, 120, 282-296. | 1.2 | 61 |
| 53 | Near-infrared spectroscopy: can it measure endothelial function?. <i>Experimental Physiology</i> , 2016, 101, 1443-1444. | 0.9 | 12 |
| 54 | Hypoxia, not pulmonary vascular pressure, induces blood flow through intrapulmonary arteriovenous anastomoses. <i>Journal of Physiology</i> , 2015, 593, 723-737. | 1.3 | 25 |

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| 55 | Pulmonary Mechanics and Gas Exchange during Exercise in Kenyan Distance Runners. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 702-710. | 0.2 | 13 |
| 56 | Body mass and growth rates in captive chimpanzees (<i>Pan troglodytes</i>) cared for in African wildlife sanctuaries, zoological institutions, and research facilities. <i>Zoo Biology</i> , 0, , . | 0.5 | 5 |