

Joshua C Tremblay

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

857
citations

471509

17
h-index

552781

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.	0.8	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.	2.9	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.	2.1	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.	2.9	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.	2.0	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.	2.5	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.	2.9	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.	2.5	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, .	7.1	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.	2.9	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.	0.4	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.	2.0	2
13	Through thick and thin: The interdependence of blood viscosity, shear stress and endothelial function. <i>Experimental Physiology</i> , 2020, 105, 232-233.	2.0	4
14	Alterations in Cardiac Function Following Endurance Exercise Are Not Duration Dependent. <i>Frontiers in Physiology</i> , 2020, 11, 581797.	2.8	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.	2.5	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.	3.2	14
17	Internal carotid and brachial artery shear-dependent vasodilator function in young healthy humans. <i>Journal of Physiology</i> , 2020, 598, 5333-5350.	2.9	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.	2.9	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.	2.5	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.	0.5	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.	0.6	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.	1.9	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.	2.0	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.	3.2	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.	1.9	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.	2.9	27
27	Physical activity and the stress of shear: Vasoprotective or vasopreventative?. <i>Experimental Physiology</i> , 2019, 104, 1329-1330.	2.0	0
28	Global REACH 2018. <i>Hypertension</i> , 2019, 73, 1327-1335.	2.7	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.	2.9	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.	2.5	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.	2.0	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.	2.5	10
34	Passive heat therapy for cerebral protection: new ideas of age-old concepts. <i>Journal of Physiology</i> , 2019, 597, 371-372.	2.9	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.	2.5	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.	0.4	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.	0.4	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..	3.2	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.	2.0	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.	2.5	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.	3.2	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.	3.2	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.	0.8	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.	2.5	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.	2.0	16
47	Disturbed blood flow worsens endothelial dysfunction in moderate-severe chronic obstructive pulmonary disease. <i>Scientific Reports</i> , 2017, 7, 16929.	3.3	26
48	The effect of β -adrenergic blockade on postâ€™exercise brachial artery flowâ€™mediated dilatation at sea level and high altitude. <i>Journal of Physiology</i> , 2017, 595, 1671-1686.	2.9	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.	3.2	31
50	Commentaries on Viewpoint: Why predominantly neurological DCS in breath-hold divers?. <i>Journal of Applied Physiology</i> , 2016, 120, 1478-1482.	2.5	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.	3.2	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.	2.5	61
53	Nearâ€™infrared spectroscopy: can it measure endothelial function?. <i>Experimental Physiology</i> , 2016, 101, 1443-1444.	2.0	12
54	Hypoxia, not pulmonary vascular pressure, induces blood flow through intrapulmonary arteriovenous anastomoses. <i>Journal of Physiology</i> , 2015, 593, 723-737.	2.9	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.	0.4	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, , .	1.2	5