

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 and country-level estimates of human population at high altitude. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	96
2	Measuring the human ventilatory and cerebral blood flow response to CO ₂ : a technical consideration for the end-tidal-to-arterial gas gradient. Journal of Applied Physiology, 2016, 120, 282-296.	2.5	61
3	Flow-mediated dilation stimulated by sustained increases in shear stress: A useful tool for assessing endothelial function in humans?. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, ajpheart.00534..	3.2	45
4	Global REACH 2018. Hypertension, 2019, 73, 1327-1335.	2.7	44
5	Internal carotid and brachial artery shear-dependent vasodilator function in young healthy humans. Journal of Physiology, 2020, 598, 5333-5350.	2.9	37
6	Intermittent hypoxia and arterial blood pressure control in humans: role of the peripheral vasculature and carotid baroreflex. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 311, H699-H706.	3.2	31
7	Oscillatory shear stress, flow-mediated dilatation, and circulating microparticles at sea level and high altitude. Atherosclerosis, 2017, 256, 115-122.	0.8	30
8	The impact of hypoxaemia on vascular function in lowlanders and high altitude indigenous populations. Journal of Physiology, 2019, 597, 5759-5776.	2.9	27
9	Disturbed blood flow worsens endothelial dysfunction in moderate-severe chronic obstructive pulmonary disease. Scientific Reports, 2017, 7, 16929.	3.3	26
10	Hypoxia, not pulmonary vascular pressure, induces blood flow through intrapulmonary arteriovenous anastomoses. Journal of Physiology, 2015, 593, 723-737.	2.9	25
11	The 2018 Global Research Expedition on Altitude Related Chronic Health (Global REACH) to Cerro de Pasco, Peru: an Experimental Overview. Experimental Physiology, 2021, 106, 86-103.	2.0	24
12	The effect of β_1 -adrenergic blockade on post-exercise brachial artery flow-mediated dilatation at sea level and high altitude. Journal of Physiology, 2017, 595, 1671-1686.	2.9	23
13	Arterial carbon dioxide and bicarbonate rather than pH regulate cerebral blood flow in the setting of acute experimental metabolic alkalosis. Journal of Physiology, 2021, 599, 1439-1457.	2.9	22
14	Nitric oxide contributes to cerebrovascular shear-mediated dilatation but not steady-state cerebrovascular reactivity to carbon dioxide. Journal of Physiology, 2022, 600, 1385-1403.	2.9	21
15	UBC-Nepal Expedition: An experimental overview of the 2016 University of British Columbia Scientific Expedition to Nepal Himalaya. PLoS ONE, 2018, 13, e0204660.	2.5	19
16	Evidence of sex differences in the acute impact of oscillatory shear stress on endothelial function. Journal of Applied Physiology, 2019, 126, 314-321.	2.5	19
17	UBC-Nepal Expedition: imposed oscillatory shear stress does not further attenuate flow-mediated dilation during acute and sustained hypoxia. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H122-H131.	3.2	17
18	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. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1532-H1543.	3.2	17

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19	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
20	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
21	UBCâ€™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
22	Acute reductions in haematocrit increase flowâ€™mediated dilatation independent of resting nitric oxide bioavailability in humans. <i>Journal of Physiology</i> , 2020, 598, 4225-4236.	2.9	15
23	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
24	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
25	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
26	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
27	Nearâ€™infrared spectroscopy: can it measure endothelial function?. <i>Experimental Physiology</i> , 2016, 101, 1443-1444.	2.0	12
28	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
29	The influence of acute hyperglycaemia on brachial artery flowâ€™mediated dilatation in the early and late follicular phases of the menstrual cycle. <i>Experimental Physiology</i> , 2019, 104, 957-966.	2.0	11
30	Alterations in Cardiac Function Following Endurance Exercise Are Not Duration Dependent. <i>Frontiers in Physiology</i> , 2020, 11, 581797.	2.8	11
31	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
32	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
33	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
34	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
35	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
36	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

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37	UBCâ€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
38	Passive heat therapy for cerebral protection: new ideas of ageâ€old concepts. <i>Journal of Physiology</i> , 2019, 597, 371-372.	2.9	7
39	Commentaries on Viewpoint: Why predominantly neurological DCS in breath-hold divers?. <i>Journal of Applied Physiology</i> , 2016, 120, 1478-1482.	2.5	6
40	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
41	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
42	GLOBAL REACH 2018: intraâ€arterial vitamin C improves endothelialâ€dependent vasodilatory function in humans at high altitude. <i>Journal of Physiology</i> , 2022, 600, 1373-1383.	2.9	5
43	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
44	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
45	UBC-Nepal expedition: dynamic cerebral autoregulation is attenuated in lowlanders upon ascent to 5050Âm. <i>European Journal of Applied Physiology</i> , 2020, 120, 675-686.	2.5	4
46	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
47	Exercise and the Endothelium. , 2019, , 97-121.		2
48	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
49	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
50	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
51	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
52	Physical activity and the stress of shear: Vasoprotective or vasopreventative?. <i>Experimental Physiology</i> , 2019, 104, 1329-1330.	2.0	0
53	Maintaining your attitude at altitude. , 2018, , 24-28.		0
54	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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55	Arterial Stiffness Is Unaffected By Acute Hyperglycemia And Menstrual Cycle Phase In Premenopausal Women.. Medicine and Science in Sports and Exercise, 2019, 51, 675-675.	0.4	0
56	Indices of Systemic Arterial Health are Associated With Cerebral Perfusion and Structure in a Population of Young and Old Adults. FASEB Journal, 2020, 34, 1-1.	0.5	0