

Myles William O'Brien

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

743
citations

623734

14
h-index

642732

23
g-index

63
all docs

63
docs citations

63
times ranked

621
citing authors

#	ARTICLE	IF	CITATIONS
1	Health care provider confidence and exercise prescription practices of Exercise is Medicine Canada workshop attendees. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017, 42, 384-390.	1.9	55
2	Exercise is Medicine Canada physical activity counselling and exercise prescription training improves counselling, prescription, and referral practices among physicians across Canada. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018, 43, 535-539.	1.9	51
3	A pilot study: Validity and reliability of the CSEPâˆ™PATH PASB-Q and a new leisure time physical activity questionnaire to assess physical activity and sedentary behaviours. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017, 42, 677-680.	1.9	49
4	Step Rate Thresholds Associated with Moderate and Vigorous Physical Activity in Adults. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2454.	2.6	39
5	Sex does not influence impairments in popliteal endothelial-dependent vasodilator or vasoconstrictor responses following prolonged sitting. <i>Journal of Applied Physiology</i> , 2019, 127, 679-687.	2.5	37
6	High-Intensity Interval Training Improves Cognitive Flexibility in Older Adults. <i>Brain Sciences</i> , 2020, 10, 796.	2.3	35
7	Impact of High-Intensity Interval Training, Moderate-Intensity Continuous Training, and Resistance Training on Endothelial Function in Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1057-1067.	0.4	34
8	Medical-Grade Physical Activity Monitoring for Measuring Step Count and Moderate-to-Vigorous Physical Activity: Validity and Reliability Study. <i>JMIR MHealth and UHealth</i> , 2018, 6, e10706.	3.7	27
9	Achieving Canadian physical activity guidelines is associated with better vascular function independent of aerobic fitness and sedentary time in older adults. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018, 43, 1003-1009.	1.9	22
10	Improving the criterion validity of the activPAL in determining physical activity intensity during laboratory and free-living conditions. <i>Journal of Sports Sciences</i> , 2021, 39, 826-834.	2.0	21
11	Validity of the ActivPAL monitor to distinguish postures: A systematic review. <i>Gait and Posture</i> , 2022, 94, 107-113.	1.4	21
12	Aerobic fitness and sympathetic responses to spontaneous muscle sympathetic nerve activity in young males. <i>Clinical Autonomic Research</i> , 2021, 31, 253-261.	2.5	20
13	Influence of Anthropometrics on Step-Rate Thresholds for Moderate and Vigorous Physical Activity in Older Adults: Scientific Modeling Study. <i>JMIR Aging</i> , 2018, 1, e12363.	3.0	19
14	Implications and Recommendations for Equivalence Testing in Measures of Movement Behaviors: A Scoping Review. <i>Journal for the Measurement of Physical Behaviour</i> , 2021, 4, 353-362.	0.8	19
15	Greater habitual moderate-to-vigorous physical activity is associated with better executive function and higher prefrontal oxygenation in older adults. <i>GeroScience</i> , 2021, 43, 2707-2718.	4.6	18
16	Popliteal flow-mediated dilatory responses to an acute bout of prolonged sitting between earlier and later phases of natural menstrual and oral contraceptive pill cycles. <i>Journal of Applied Physiology</i> , 2020, 129, 637-645.	2.5	16
17	Is â€œnot differentâ€•enough to conclude similar cardiovascular responses across sexes?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 322, H355-H358.	3.2	16
18	An open-source program to analyze spontaneous sympathetic neurohemodynamic transduction. <i>Journal of Neurophysiology</i> , 2021, 125, 972-976.	1.8	15

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19	Validation of the PiezoRx [®] Step Count and Moderate to Vigorous Physical Activity Times in Free Living Conditions in Adults: A Pilot Study. <i>International Journal of Exercise Science</i> , 2018, 11, 541-551.	0.5	15
20	The impact of age and sex on popliteal artery endothelial-dependent vasodilator and vasoconstrictor function. <i>Experimental Gerontology</i> , 2021, 145, 111221.	2.8	14
21	Validity of the activPAL and Height-Adjusted Curvilinear Cadence-METs Equations in Healthy Adults. <i>Measurement in Physical Education and Exercise Science</i> , 2020, 24, 147-156.	1.8	13
22	The effects of previous educational training on physical activity counselling and exercise prescription practices among physicians across Nova Scotia: a cross-sectional study. <i>Canadian Medical Education Journal</i> , 2018, 9, e35-45.	0.4	13
23	Relationship between brachial and popliteal artery low-flow-mediated constriction in older adults: impact of aerobic fitness on vascular endothelial function. <i>Journal of Applied Physiology</i> , 2019, 127, 134-142.	2.5	12
24	The influence of aerobic fitness on electrocardiographic and heart rate variability parameters in young and older adults. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2019, 217, 66-70.	2.8	11
25	The relationship between aerobic fitness and low-flow-mediated constriction in older adults. <i>European Journal of Applied Physiology</i> , 2019, 119, 351-359.	2.5	11
26	The Bout Cadence Method Improves the Quantification of Stepping Cadence In Free-Living Conditions. <i>Gait and Posture</i> , 2020, 79, 96-101.	1.4	10
27	Perceptions and Practices of Providing Physical Activity Counselling and Exercise Prescriptions among Physiotherapists in Nova Scotia. <i>Physiotherapy Canada Physiotherapie Canada</i> , 2020, 72, 230-238.	0.6	10
28	Aerobic fitness is inversely associated with neurohemodynamic transduction and blood pressure variability in older adults. <i>GeroScience</i> , 2021, 43, 2737-2748.	4.6	9
29	The influence of habitual breaks in sedentary time on cardiovagal baroreflex function. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021, 46, 1143-1146.	1.9	9
30	Sex and light physical activity impact popliteal, but not brachial artery flow-mediated dilation in physically active young adults. <i>Applied Physiology, Nutrition and Metabolism</i> , 2020, 45, 1387-1395.	1.9	8
31	Influence of prostaglandins and endothelial-derived hyperpolarizing factors on brachial and popliteal endothelial-dependent function in young adults. <i>Journal of Applied Physiology</i> , 2021, 130, 17-25.	2.5	8
32	A scoping review of exercise referral schemes involving qualified exercise professionals in primary health care. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021, 46, 1007-1018.	1.9	8
33	Short-term supplement of virgin coconut oil improves endothelial-dependent dilation but not exercise-mediated hyperemia in young adults. <i>Nutrition Research</i> , 2019, 67, 17-26.	2.9	7
34	Meeting international aerobic physical activity guidelines is associated with enhanced cardiovagal baroreflex sensitivity in healthy older adults. <i>Clinical Autonomic Research</i> , 2020, 30, 139-148.	2.5	7
35	The effects of previous educational training on physical activity counselling and exercise prescription practices among physicians across Nova Scotia: a cross-sectional study. <i>Canadian Medical Education Journal</i> , 2018, 9, e35-e45.	0.4	7
36	Impact of habitual sedentary patterns on popliteal artery endothelial-dependent vasodilation in healthy adults. <i>Vascular Medicine</i> , 2022, 27, 120-126.	1.5	7

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37	Sympathetic neurohemodynamic transduction is attenuated in older males independent of aerobic fitness. <i>Clinical Autonomic Research</i> , 2022, 32, 73.	2.5	6
38	Development and validation of an activPAL accelerometry count-based model of physical activity intensity in adults. <i>Medical Engineering and Physics</i> , 2021, 95, 45-50.	1.7	5
39	What is the impact of aerobic fitness and movement interventions on low-flow-mediated vasoconstriction? A systematic review of observational and intervention studies. <i>Vascular Medicine</i> , 2022, 27, 193-202.	1.5	4
40	The impact of different step rate threshold methods on physical activity intensity in older adults. <i>Gait and Posture</i> , 2022, 94, 51-57.	1.4	4
41	Validity and Interinstrument Reliability of a Medical Grade Physical Activity Monitor in Older Adults. <i>Journal for the Measurement of Physical Behaviour</i> , 2021, 4, 31-38.	0.8	3
42	Exercise is medicine Canada workshop training improves physical activity practices of physicians across Canada, independent of initial confidence level. <i>Canadian Medical Education Journal</i> , 2020, 11, e5-e15.	0.4	3
43	Impact of sampling duration on spontaneous sympathetic transduction. <i>Clinical Autonomic Research</i> , 2022, , 1.	2.5	3
44	Ecological Validity of Prolonged Sitting Studies: How Well Do They Represent Real-Life Sedentary Patterns? A Pilot Study. <i>Translational Journal of the American College of Sports Medicine</i> , 2022, 7, .	0.6	3
45	Calibrating the Physical Activity Vital Sign to Estimate Habitual Moderate to Vigorous Physical Activity More Accurately in Active Young Adults: A Cautionary Tale. <i>Journal for the Measurement of Physical Behaviour</i> , 2022, 5, 103-110.	0.8	3
46	Comparison of signal-averaging and regression approaches to analyzing sympathetic transduction. <i>Clinical Autonomic Research</i> , 2022, 32, 299-302.	2.5	3
47	The association between habitual posture and intensity-related physical activity with sympathetic neurohemodynamic transduction in young males. <i>Clinical Autonomic Research</i> , 2021, 31, 339-341.	2.5	2
48	A larger low-flow-mediated constrictor response is associated with augmented flow-mediated dilation in the popliteal artery. <i>Clinical Physiology and Functional Imaging</i> , 2021, 41, 497-504.	1.2	2
49	Comparison of habitual stepping cadence analysis methods: Relationship with step counts. <i>Gait and Posture</i> , 2022, 92, 328-332.	1.4	2
50	Spontaneous cardiovagal baroreflex sensitivity is unaffected by an acute bout of prolonged sitting: no impact of sex, menstrual phase, or oral contraceptive pill phase. <i>Clinical Autonomic Research</i> , 2021, 31, 783-786.	2.5	1
51	Does aerobic fitness impact prolonged sitting-induced popliteal artery endothelial dysfunction?. <i>European Journal of Applied Physiology</i> , 2021, 121, 3233-3241.	2.5	1
52	Physical Activity Counselling and Exercise Prescription Practices among Dietitians Across Nova Scotia. <i>Canadian Journal of Dietetic Practice and Research</i> , 2021, , 1-6.	0.6	1
53	Does COVID-19 influence the sympathetic regulation of blood pressure?. <i>Journal of Physiology</i> , 2021, 599, 4951-4953.	2.9	1
54	Commentaries on Viewpoint: Consider iron status when making sex comparisons in human physiology. <i>Journal of Applied Physiology</i> , 2022, 132, 703-709.	2.5	1

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55	Aging, cardiorespiratory fitness and sympathetic transduction. <i>Aging</i> , 2022, 14, 4189-4190.	3.1	1
56	Flattened cola improves high-intensity interval performance in competitive cyclists. <i>European Journal of Applied Physiology</i> , 2021, 121, 2859-2867.	2.5	0
57	Short-term Ingestion of Virgin Coconut Oil Improves Endothelial-dependent Dilation but not Exercise-mediated Hyperemia in Healthy Young Adults. <i>FASEB Journal</i> , 2018, 32, .	0.5	0
58	Can Six Weeks of Whole-body Resistance Training Improve Endothelial Function in Older Adults?. <i>FASEB Journal</i> , 2018, 32, 855.22.	0.5	0
59	An open-source Stroop task program that incorporates a switching condition to determine executive function. <i>Software Impacts</i> , 2022, 13, 100361.	1.4	0