

Wesley K Lefferts

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

336

citations

11

h-index

16

g-index

99

ext. papers

439

ext. citations

1.9

avg, IF

3.56

L-index

#	Paper	IF	Citations
68	Effect of acute resistance exercise on carotid artery stiffness and cerebral blood flow pulsatility. <i>Frontiers in Physiology</i> , 2014 , 5, 101	4.6	29
67	Racial Differences in Aortic Stiffness in Children. <i>Journal of Pediatrics</i> , 2017 , 180, 62-67	3.6	26
66	Effect of hypoxia on cerebrovascular and cognitive function during moderate intensity exercise. <i>Physiology and Behavior</i> , 2016 , 165, 108-18	3.5	26
65	Effect of acute nitrate supplementation on neurovascular coupling and cognitive performance in hypoxia. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016 , 41, 133-41	3	22
64	Acute effect of high-intensity cycling exercise on carotid artery hemodynamic pulsatility. <i>European Journal of Applied Physiology</i> , 2015 , 115, 1037-45	3.4	22
63	Hemodynamic correlates of late systolic flow velocity augmentation in the carotid artery. <i>International Journal of Hypertension</i> , 2013 , 2013, 920605	2.4	17
62	Arterial stiffness and cerebral hemodynamic pulsatility during cognitive engagement in younger and older adults. <i>Experimental Gerontology</i> , 2018 , 101, 54-62	4.5	17
61	Effects of acute aerobic exercise on arterial stiffness and cerebrovascular pulsatility in adults with and without hypertension. <i>Journal of Hypertension</i> , 2018 , 36, 1743-1752	1.9	15
60	Carotid stiffness, extra-media thickness and visceral adiposity in young adults. <i>Atherosclerosis</i> , 2017 , 265, 140-146	3.1	13
59	Vascular and central hemodynamic changes following exercise-induced heat stress. <i>Vascular Medicine</i> , 2015 , 20, 222-9	3.3	13
58	Changes in cognitive function and latent processes of decision-making during incremental ascent to high altitude. <i>Physiology and Behavior</i> , 2019 , 201, 139-145	3.5	12
57	Manipulation of arterial stiffness, wave reflections, and retrograde shear rate in the femoral artery using lower limb external compression. <i>Physiological Reports</i> , 2013 , 1, e00022	2.6	11
56	Effect of base layer materials on physiological and perceptual responses to exercise in personal protective equipment. <i>Applied Ergonomics</i> , 2014 , 45, 428-36	4.2	10
55	Carotid artery stiffness and hemodynamic pulsatility during cognitive engagement in healthy adults: a pilot investigation. <i>American Journal of Hypertension</i> , 2015 , 28, 615-22	2.3	10
54	Subclinical atherosclerotic risk in endurance-trained premenopausal amenorrheic women. <i>Atherosclerosis</i> , 2016 , 244, 157-64	3.1	9
53	Age, sex, and the vascular contributors to cerebral pulsatility and pulsatile damping. <i>Journal of Applied Physiology</i> , 2020 , 129, 1092-1101	3.7	8
52	Effects of Acute Aerobic Exercise on Cognition and Constructs of Decision-Making in Adults With and Without Hypertension. <i>Frontiers in Aging Neuroscience</i> , 2019 , 11, 41	5.3	7

51	Neurovascular coupling during cognitive activity in adults with controlled hypertension. <i>Journal of Applied Physiology</i> , 2018 , 125, 1906-1916	3.7	7
50	The relationship between carotid blood pressure reactivity to mental stress and carotid intima-media thickness. <i>Atherosclerosis</i> , 2014 , 236, 227-9	3.1	6
49	Effect of acute nitrate ingestion on central hemodynamic load in hypoxia. <i>Nitric Oxide - Biology and Chemistry</i> , 2016 , 52, 49-55	5	5
48	Relation between exercise central haemodynamic response and resting cardiac structure and function in young healthy men. <i>Clinical Physiology and Functional Imaging</i> , 2017 , 37, 372-378	2.4	4
47	Association between pulsatile blood pressure and cognitive performance among older adults: Insight from the National Health and Nutrition Examination Survey 1999-2002. <i>International Journal of Cardiology</i> , 2016 , 223, 981-984	3.2	4
46	Exercise-induced heat stress disrupts the shear-dilatory relationship. <i>Experimental Physiology</i> , 2016 , 101, 1541-1551	2.4	4
45	Carotid artery reactivity during sympathetic activation following acute resistance exercise. <i>Clinical Autonomic Research</i> , 2017 , 27, 417-421	4.3	3
44	No effect of fitness on brachial or forearm vascular function during acute inflammation in young adults. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019 , 317, R746-R753	3.2	3
43	Racial Differences in Left Ventricular Mass and Wave Reflection Intensity in Children. <i>Frontiers in Pediatrics</i> , 2020 , 8, 132	3.4	3
42	Aortic stiffness, central pulse pressure and cognitive function following acute resistance exercise. <i>European Journal of Applied Physiology</i> , 2018 , 118, 2203-2211	3.4	3
41	Carotid artery stiffness and cerebral pulsatility in children. <i>Artery Research</i> , 2018 , 22, 64-67	2.2	3
40	Acute systemic inflammation reduces both carotid and aortic wave reflection in healthy adults. <i>Physiological Reports</i> , 2019 , 7, e14203	2.6	3
39	Problem-solving therapy-induced amygdala engagement mediates lifestyle behavior change in obesity with comorbid depression: a randomized proof-of-mechanism trial. <i>American Journal of Clinical Nutrition</i> , 2021 ,	7	3
38	Effects of Whey Protein Supplementation on Aortic Stiffness, Cerebral Blood Flow, and Cognitive Function in Community-Dwelling Older Adults: Findings from the ANCHORS A-WHEY Clinical Trial. <i>Nutrients</i> , 2020 , 12,	6.7	2
37	Sex differences in noninvasive estimates of left ventricular pressure energetics but not myocardial oxygen demand in young adults. <i>Artery Research</i> , 2014 , 8, 197	2.2	2
36	A new exercise central hemodynamics paradigm: time for reflection or expansion?. <i>Hypertension</i> , 2013 , 62, e35	8.5	2
35	Preservation of Neurovascular Coupling to Cognitive Activity in Anterior Cerebrovasculature During Incremental Ascent to High Altitude. <i>High Altitude Medicine and Biology</i> , 2020 , 21, 20-27	1.9	2
34	Effect of external compression on femoral retrograde shear and microvascular oxygenation in exercise trained and recreationally active young men. <i>European Journal of Applied Physiology</i> , 2019 , 119, 1809-1818	3.4	1

33	Cerebral hemodynamics and intracranial aneurysms: Reflecting on pipeline embolization devices. <i>Interventional Neuroradiology</i> , 2018 , 24, 631-634	1.9	1
32	Arterial stiffness as a noninvasive tissue biomarker of cardiac target organ damage. <i>Current Biomarker Findings</i> , 2014 , 23		1
31	Abstract P223: Reduced Nonconscious Reactivity to Threat in Amygdala Mediates Physical Activity and Energy Expenditure in Integrated Behavior Therapy for Adults With Obesity and Comorbid Depression. <i>Circulation</i> , 2020 , 141,	16.7	1
30	Similar Effects of Acute Resistance Exercise on Carotid Stiffness in Males and Females. <i>International Journal of Sports Medicine</i> , 2020 , 41, 82-88	3.6	1
29	Influence of sprint exercise on aortic pulse wave velocity and femoral artery shear patterns. <i>European Journal of Applied Physiology</i> , 2020 , 120, 2635-2647	3.4	1
28	Physical activity is associated with lower pulsatile stress but not carotid stiffness in children. <i>Journal of Human Hypertension</i> , 2021 ,	2.6	1
27	Sex differences in aortic stiffness following acute resistance exercise. <i>Artery Research</i> , 2018 , 23, 52	2.2	1
26	Sex differences in cardiovascular adaptations in recreational marathon runners. <i>European Journal of Applied Physiology</i> , 2021 , 121, 3459-3472	3.4	1
25	Oral vitamin C restores endothelial function during acute inflammation in young and older adults. <i>Physiological Reports</i> , 2021 , 9, e15104	2.6	0
24	Impact of acute changes in blood pressure and arterial stiffness on cerebral pulsatile haemodynamics in young and middle-aged adults. <i>Experimental Physiology</i> , 2021 , 106, 1643-1653	2.4	0
23	PO-05 BUFFERING OF CAROTID ARTERY PRESSURE AND FLOW PULSATILITY DURING COGNITIVE ENGAGEMENT IN HEALTHY ADULTS. <i>Artery Research</i> , 2014 , 8, 167	2.2	
22	Maybe the fountain of youth was actually a treadmill: role of exercise in reversing microvascular and diastolic dysfunction. <i>Journal of Physiology</i> , 2017 , 595, 5755-5756	3.9	
21	INCREASED CEREBRAL BLOOD VELOCITY DURING ACUTE RESISTANCE EXERCISE IS SIMILAR BETWEEN YOUNG AND OLDER ADULTS. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
20	Effect of Live-Firefighting on Ventricular-Vascular Coupling in Middle-Aged Firefighters. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
19	Cerebrovascular Reactivity and Cognitive Function in Hypertensive and Non-Hypertensive Adults. <i>FASEB Journal</i> , 2018 , 32, 711.6	0.9	
18	Sex Differences In Aortic Stiffness, 24-hour Blood Pressure, And Cardiac Deformation In Marathon Runners. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 191	1.2	
17	Influence of High-Intensity Exercise on Aortic Stiffness and Femoral Artery Shear Patterns. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 181	1.2	
16	Influence of Fitness on Vascular Function in Young Adults during Acute Inflammation. <i>FASEB Journal</i> , 2019 , 33, 523.1	0.9	

15	Vascular Contributions to Intracranial Hemodynamic Pulsatility and Pulsatile Dampening in Adults. <i>FASEB Journal</i> , 2019 , 33, 829.8	0.9
14	Validity of Stroke Volume and Cardiac Output Measurement between Finger Photoplethysmography and Continuous Wave Echocardiography during Treadmill Exercise in Adults with and without Down syndrome. <i>FASEB Journal</i> , 2019 , 33, 536.12	0.9
13	Influence of Cardiorespiratory Fitness on Central and Local Arterial Stiffness During Acute Inflammation. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 805-806	1.2
12	Effects of External Calf Compression on Microvascular Oxygenation in the Lower Limb of Young Men. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 492-492	1.2
11	No Sex Differences in Cerebral Blood Velocity Responses During Resistance Exercise. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9
10	Blood Pressure Maintained in Response to a Hypotensive Stimulus During Mild Acute Inflammation. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9
9	Exercise-Induced Heat Stress Disrupts the Shear-Dilatory Relationship in the Brachial Artery. <i>FASEB Journal</i> , 2015 , 29, 994.8	0.9
8	The Relationship Between Body Mass Index and Aortic Stiffness in Females Across the Lifespan. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 676-676	1.2
7	Effects of High-Altitude Hypoxia on Neurovascular Coupling During Cognitive Activity. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 160-161	1.2
6	Hypoxic Cerebrovascular Reactivity Does Not Predict Cognitive Function in Mt. Everest Basecamp Trekkers. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 160-160	1.2
5	Visceral Adiposity is Associated with Lower Cerebral Blood Velocity in Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 493-494	1.2
4	Assessment of Cerebrovascular Dynamics and Cognitive Function with Acute Aerobic Exercise in Persons with Multiple Sclerosis. <i>International Journal of MS Care</i> , 2021 , 23, 162-169	2.3
3	P87 CEREBROVASCULAR REACTIVITY DURING COGNITIVE ACTIVATION IN ADULTS WITH CONTROLLED HYPERTENSION. <i>Artery Research</i> , 2018 , 24, 103	2.2
2	Racial Differences In Heart Rate Variability Remain After Accounting For Physical Activity In Children. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 100-100	1.2
1	Associations Between Physical Activity, Body Mass Index And Carotid Extra-Medial Thickness In Children. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 77-77	1.2