

Wesley K Lefferts

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

542
citations

623699

14
h-index

752679

20
g-index

99
all docs

99
docs citations

99
times ranked

745
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of hypoxia on cerebrovascular and cognitive function during moderate intensity exercise. <i>Physiology and Behavior</i> , 2016, 165, 108-118.	2.1	46
2	Effect of acute resistance exercise on carotid artery stiffness and cerebral blood flow pulsatility. <i>Frontiers in Physiology</i> , 2014, 5, 101.	2.8	42
3	Racial Differences in Aortic Stiffness in Children. <i>Journal of Pediatrics</i> , 2017, 180, 62-67.	1.8	35
4	Age, sex, and the vascular contributors to cerebral pulsatility and pulsatile damping. <i>Journal of Applied Physiology</i> , 2020, 129, 1092-1101.	2.5	33
5	Effect of acute nitrate supplementation on neurovascular coupling and cognitive performance in hypoxia. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016, 41, 133-141.	1.9	31
6	Acute effect of high-intensity cycling exercise on carotid artery hemodynamic pulsatility. <i>European Journal of Applied Physiology</i> , 2015, 115, 1037-1045.	2.5	24
7	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.	2.1	24
8	Vascular and central hemodynamic changes following exercise-induced heat stress. <i>Vascular Medicine</i> , 2015, 20, 222-229.	1.5	21
9	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.	0.5	21
10	Arterial stiffness and cerebral hemodynamic pulsatility during cognitive engagement in younger and older adults. <i>Experimental Gerontology</i> , 2018, 101, 54-62.	2.8	21
11	Hemodynamic Correlates of Late Systolic Flow Velocity Augmentation in the Carotid Artery. <i>International Journal of Hypertension</i> , 2013, 2013, 1-7.	1.3	20
12	Carotid stiffness, extra-media thickness and visceral adiposity in young adults. <i>Atherosclerosis</i> , 2017, 265, 140-146.	0.8	20
13	Subclinical atherosclerotic risk in endurance-trained premenopausal amenorrheic women. <i>Atherosclerosis</i> , 2016, 244, 157-164.	0.8	15
14	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.	3.4	15
15	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.	1.7	14
16	Effect of base layer materials on physiological and perceptual responses to exercise in personal protective equipment. <i>Applied Ergonomics</i> , 2014, 45, 428-436.	3.1	13
17	Carotid Artery Stiffness and Hemodynamic Pulsatility During Cognitive Engagement in Healthy Adults: A Pilot Investigation. <i>American Journal of Hypertension</i> , 2015, 28, 615-622.	2.0	13
18	Neurovascular coupling during cognitive activity in adults with controlled hypertension. <i>Journal of Applied Physiology</i> , 2018, 125, 1906-1916.	2.5	13

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19	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.	1.7	8
20	Acute systemic inflammation reduces both carotid and aortic wave reflection in healthy adults. <i>Physiological Reports</i> , 2019, 7, e14203.	1.7	8
21	The relationship between carotid blood pressure reactivity to mental stress and carotid intima-media thickness. <i>Atherosclerosis</i> , 2014, 236, 227-229.	0.8	7
22	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.	0.9	7
23	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, 114, 2060-2073.	4.7	7
24	Carotid artery reactivity during sympathetic activation following acute resistance exercise. <i>Clinical Autonomic Research</i> , 2017, 27, 417-421.	2.5	6
25	Similar Effects of Acute Resistance Exercise on Carotid Stiffness in Males and Females. <i>International Journal of Sports Medicine</i> , 2020, 41, 82-88.	1.7	6
26	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, 1054.	4.1	6
27	Effect of acute nitrate ingestion on central hemodynamic load in hypoxia. <i>Nitric Oxide - Biology and Chemistry</i> , 2016, 52, 49-55.	2.7	5
28	Carotid artery stiffness and cerebral pulsatility in children. <i>Artery Research</i> , 2018, 22, 64.	0.6	5
29	Racial Differences in Left Ventricular Mass and Wave Reflection Intensity in Children. <i>Frontiers in Pediatrics</i> , 2020, 8, 132.	1.9	5
30	Letâ€™s talk about sex, letâ€™s talk about pulsatility, letâ€™s talk about all the good things and the bad things of MCAv. <i>Journal of Applied Physiology</i> , 2021, 130, 1672-1674.	2.5	5
31	Arterial stiffness as a noninvasive tissue biomarker of cardiac target organ damage. <i>Current Biomarker Findings</i> , 2014, , 23.	0.4	4
32	Exercise–induced heat stress disrupts the shear–dilatory relationship. <i>Experimental Physiology</i> , 2016, 101, 1541-1551.	2.0	4
33	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.	1.2	4
34	Aortic stiffness, central pulse pressure and cognitive function following acute resistance exercise. <i>European Journal of Applied Physiology</i> , 2018, 118, 2203-2211.	2.5	4
35	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.	2.0	4
36	Oral vitamin C restores endothelial function during acute inflammation in young and older adults. <i>Physiological Reports</i> , 2021, 9, e15104.	1.7	4

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37	Sex differences in aortic stiffness following acute resistance exercise. <i>Artery Research</i> , 2018, 23, 52.	0.6	3
38	Cerebral hemodynamics and intracranial aneurysms: Reflecting on pipeline embolization devices. <i>Interventional Neuroradiology</i> , 2018, 24, 631-634.	1.1	3
39	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.	1.8	3
40	A New Exercise Central Hemodynamics Paradigm. <i>Hypertension</i> , 2013, 62, e35.	2.7	2
41	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.	0.6	2
42	Physical activity is associated with lower pulsatile stress but not carotid stiffness in children. <i>Journal of Human Hypertension</i> , 2022, 36, 263-270.	2.2	2
43	Sex differences in cardiovascular adaptations in recreational marathon runners. <i>European Journal of Applied Physiology</i> , 2021, 121, 3459-3472.	2.5	2
44	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.	2.5	1
45	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.	2.5	1
46	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.	1.0	1
47	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, .	1.6	1
48	No Sex Differences in Cerebral Blood Velocity Responses During Resistance Exercise. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	1
49	Physical Activity is Associated with Attenuated Carotid Blood Pressure Response to Mental Stress. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 747.	0.4	0
50	Arterial Stiffness and Pressure from Wave Reflections during Cognitive Challenge in Children and Adults. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 212-213.	0.4	0
51	Vascular Function in Exercise-Trained Females. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 330-331.	0.4	0
52	Acute Resistance Exercise And The Cerebrovasculature. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 878.	0.4	0
53	No Sex Differences in Carotid Artery Stiffness and Blood Flow Pulsatility Following High Intensity Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 331-332.	0.4	0
54	PO-05 BUFFERING OF CAROTID ARTERY PRESSURE AND FLOW PULSATILITY DURING COGNITIVE ENGAGEMENT IN HEALTHY ADULTS. <i>Artery Research</i> , 2014, 8, 167.	0.6	0

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55	No Association Between Body Fat And Arterial Stiffness In Non-obese Women. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 712.	0.4	0
56	Relation Between Exercise Central Hemodynamic Load and Resting Cardiac Structure and Function in Young Men. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 743-744.	0.4	0
57	Effect of Nitrate Supplementation on Cognitive Function and Neurovascular Coupling in Hypoxia. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 605-606.	0.4	0
58	Physical Function, Cognitive Function and Aortic Stiffness in Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 851-852.	0.4	0
59	PO-02 NO SEX DIFFERENCES IN THE CARDIOVASCULAR RESPONSE TO MENTAL-STRESS IN OLDER ADULTS. <i>Artery Research</i> , 2016, 16, 89.	0.6	0
60	The Effects of Acute Resistance Exercise on Vascular and Cognitive Function. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 364.	0.4	0
61	Effect of Hypoxia on Cognition and Neurovascular Coupling During Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 569-570.	0.4	0
62	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.	2.9	0
63	No Sex Differences in the Cardiac Response to Acute Normobaric Hypoxia. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 248-249.	0.4	0
64	Muscular Strength is Inversely Associated with Central Hemodynamic Load in Young Women.. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 548-549.	0.4	0
65	Effect of Aerobic Exercise on Artery Stiffness and Cerebrovascular Pulsatility in Hypertensive and Non-Hypertensive Adults. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 279-280.	0.4	0
66	P87 CEREBROVASCULAR REACTIVITY DURING COGNITIVE ACTIVATION IN ADULTS WITH CONTROLLED HYPERTENSION. <i>Artery Research</i> , 2018, 24, 103.	0.6	0
67	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.	0.4	0
68	Effects of High-Altitude Hypoxia on Neurovascular Coupling During Cognitive Activity. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 160-161.	0.4	0
69	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.	0.4	0
70	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.	0.4	0
71	The Effect of Aging on Carotid Artery Wall Dynamics During Acute Maximal Resistance Exercise. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
72	Central Vascular Reactivity To Mental Stress In Emergency Responders. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 362-362.	0.4	0

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73	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.	0.4	0
74	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.	0.4	0
75	Sex Differences in Arterial Stiffness and Left Ventricular Pressure Energetics.. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 332-333.	0.4	0
76	Effect of Body Composition on Anaerobic Power in Division I Women's Ice Hockey Players. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 617-618.	0.4	0
77	Aortic Wave Reflections Are Associated With Anaerobic Power Production In Young Adults.. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 322.	0.4	0
78	Exercise-Induced Heat Stress Disrupts the Shear-Dilatory Relationship in the Brachial Artery. <i>FASEB Journal</i> , 2015, 29, 994.8.	0.5	0
79	Physical Activity Partially Mediates The Relationship Between Depressive Symptoms And Cognition In Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 697.	0.4	0
80	Physical Activity Mediates the Relationship Between Sleep Quality and Vascular Health in Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 10.	0.4	0
81	Effect of Sitting Time on Measures of Subclinical Atherosclerosis in Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 815.	0.4	0
82	Cerebrovascular Reactivity and Cognitive Function in Hypertensive and Non-Hypertensive Adults. <i>FASEB Journal</i> , 2018, 32, 711.6.	0.5	0
83	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.	0.4	0
84	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.	0.4	0
85	Manipulation of Retrograde Shear in the Superficial Femoral Artery in Recreationally Active & Exercise-Trained Men. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 183-184.	0.4	0
86	Influence of Fitness on Vascular Function in Young Adults during Acute Inflammation. <i>FASEB Journal</i> , 2019, 33, 523.1.	0.5	0
87	Vascular Contributions to Intracranial Hemodynamic Pulsatility and Pulsatile Dampening in Adults. <i>FASEB Journal</i> , 2019, 33, 829.8.	0.5	0
88	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.	0.5	0
89	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.	0.4	0
90	Influence Of Acute Inflammation On Central Hemodynamics During A Mild Sympathoexcitatory Stimulus.. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 667-668.	0.4	0

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91	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.	0.4	0
92	Blood Pressure Maintained in Response to a Hypotensive Stimulus During Mild Acute Inflammation. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
93	P25 Effect of Live-firefighting on Ventricular-vascular Coupling. <i>Artery Research</i> , 2019, 25, S68-S68.	0.6	0
94	P85 Acute Systemic Inflammation Reduces both Carotid and Aortic Wave Reflection in Young Healthy Adults. <i>Artery Research</i> , 2019, 25, S128-S128.	0.6	0
95	Mild Acute Inflammation does not Impair Maintenance of Blood Pressure during a Hypotensive Stimulus. <i>Artery Research</i> , 2020, 26, 180-182.	0.6	0
96	4.2 Biological and Vascular Contributors to Cerebral Pulsatility and Pulsatile Damping. <i>Artery Research</i> , 2019, 25, S31-S31.	0.6	0
97	INCREASED CEREBRAL BLOOD VELOCITY DURING ACUTE RESISTANCE EXERCISE IS SIMILAR BETWEEN YOUNG AND OLDER ADULTS. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
98	Effect of Live-firefighting on Ventricular-vascular Coupling in Middle-aged Firefighters. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0