

Kevin S Heffernan

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

3,086
citations

201385

27
h-index

168136

53
g-index

86
all docs

86
docs citations

86
times ranked

4429
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical activity is associated with lower pulsatile stress but not carotid stiffness in children. <i>Journal of Human Hypertension</i> , 2022, 36, 263-270.	1.0	2
2	Effect of exercise training and weight loss on arterial stiffness and pulsatile hemodynamics. , 2022, , 829-849.		0
3	Association Between Estimated Pulse Wave Velocity and Cognitive Performance in Older Black and White Adults in NHANES. <i>Journal of Alzheimer's Disease</i> , 2022, 88, 985-993.	1.2	4
4	Association between estimated pulse wave velocity and the risk of stroke in middle-aged men. <i>International Journal of Stroke</i> , 2021, 16, 551-555.	2.9	25
5	The Inverse Association of Muscular Strength with Carotid Intima-media and Extra-media Thickness in Women. <i>International Journal of Sports Medicine</i> , 2021, 42, 419-424.	0.8	7
6	The Fitness Fatness Index Is Inversely Associated with Measures of Vascular Aging Derived from Blood Pressure in a Representative Sample of Adults in the United States. <i>The Korean Journal of Sports Medicine</i> , 2021, 39, 95-101.	0.3	2
7	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.	0.5	7
8	Exercise as medicine for COVID-19: On PPAR with emerging pharmacotherapy. <i>Medical Hypotheses</i> , 2020, 143, 110197.	0.8	25
9	Coronavirus Disease 2019 (COVID-19) and Cardiac Injury. <i>JAMA Cardiology</i> , 2020, 5, 1198.	3.0	5
10	Sex differences in the association between PTSD symptoms with cardiac autonomic function and subclinical atherosclerotic risk. <i>Clinical Physiology and Functional Imaging</i> , 2020, 40, 390-398.	0.5	4
11	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.	1.2	1
12	Association Between Estimated Pulse Wave Velocity and Mortality in U.S. Adults. <i>Journal of the American College of Cardiology</i> , 2020, 75, 1862-1864.	1.2	28
13	Exercise as medicine for COVID-19: An ACE in the hole?. <i>Medical Hypotheses</i> , 2020, 142, 109835.	0.8	28
14	Racial Differences in Left Ventricular Mass and Wave Reflection Intensity in Children. <i>Frontiers in Pediatrics</i> , 2020, 8, 132.	0.9	5
15	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.	1.7	6
16	Association between pulse pressure and aortic calcification: Findings from the National Health and Nutrition Examination Survey 2013-2014. <i>Journal of Clinical Hypertension</i> , 2020, 22, 879-885.	1.0	8
17	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.	1.2	1
18	Effects of Prolonged Dietary Curcumin Exposure on Skeletal Muscle Biochemical and Functional Responses of Aged Male Rats. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1178.	1.8	32

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19	Menstrual phase and the vascular response to acute resistance exercise. <i>European Journal of Applied Physiology</i> , 2018, 118, 937-946.	1.2	13
20	Arterial stiffness and cerebral hemodynamic pulsatility during cognitive engagement in younger and older adults. <i>Experimental Gerontology</i> , 2018, 101, 54-62.	1.2	21
21	Brief Report: Physical Activity, Body Mass Index and Arterial Stiffness in Children with Autism Spectrum Disorder: Preliminary Findings. <i>Journal of Autism and Developmental Disorders</i> , 2018, 48, 625-631.	1.7	15
22	Neurovascular coupling during cognitive activity in adults with controlled hypertension. <i>Journal of Applied Physiology</i> , 2018, 125, 1906-1916.	1.2	13
23	Cerebral hemodynamics and intracranial aneurysms: Reflecting on pipeline embolization devices. <i>Interventional Neuroradiology</i> , 2018, 24, 631-634.	0.7	3
24	Aortic stiffness, central pulse pressure and cognitive function following acute resistance exercise. <i>European Journal of Applied Physiology</i> , 2018, 118, 2203-2211.	1.2	4
25	Carotid artery stiffness and cerebral pulsatility in children. <i>Artery Research</i> , 2018, 22, 64.	0.3	5
26	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.	0.5	4
27	Racial Differences in Aortic Stiffness in Children. <i>Journal of Pediatrics</i> , 2017, 180, 62-67.	0.9	35
28	Carotid artery reactivity during sympathetic activation following acute resistance exercise. <i>Clinical Autonomic Research</i> , 2017, 27, 417-421.	1.4	6
29	Carotid stiffness, extra-media thickness and visceral adiposity in young adults. <i>Atherosclerosis</i> , 2017, 265, 140-146.	0.4	20
30	Impact of Aging on Endurance and Neuromuscular Physical Performance: The Role of Vascular Senescence. <i>Sports Medicine</i> , 2017, 47, 583-598.	3.1	38
31	The Relationship Between Cardiorespiratory Fitness and Aortic Stiffness in Women with Central Obesity. <i>Journal of Women's Health</i> , 2016, 25, 680-686.	1.5	9
32	Carotid artery stiffness and cognitive function in adults with and without type 2 diabetes: Extracranial contribution to an intracranial problem?. <i>Atherosclerosis</i> , 2016, 253, 268-269.	0.4	3
33	Subclinical atherosclerotic risk in endurance-trained premenopausal amenorrheic women. <i>Atherosclerosis</i> , 2016, 244, 157-164.	0.4	15
34	Effect of acute nitrate supplementation on neurovascular coupling and cognitive performance in hypoxia. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016, 41, 133-141.	0.9	31
35	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.	1.0	13
36	Acute effect of high-intensity cycling exercise on carotid artery hemodynamic pulsatility. <i>European Journal of Applied Physiology</i> , 2015, 115, 1037-1045.	1.2	24

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37	Recommendations for Improving and Standardizing Vascular Research on Arterial Stiffness. Hypertension, 2015, 66, 698-722.	1.3	1,073
38	Effect of acute resistance exercise on carotid artery stiffness and cerebral blood flow pulsatility. Frontiers in Physiology, 2014, 5, 101.	1.3	42
39	Arterial stiffness as a noninvasive tissue biomarker of cardiac target organ damage. Current Biomarker Findings, 2014, , 23.	0.4	4
40	The relationship between carotid blood pressure reactivity to mental stress and carotid intima-media thickness. Atherosclerosis, 2014, 236, 227-229.	0.4	7
41	Obesity and Overweight Associated With Increased Carotid Diameter and Decreased Arterial Function in Young Otherwise Healthy Men. American Journal of Hypertension, 2014, 27, 628-634.	1.0	46
42	Manipulation of arterial stiffness, wave reflections, and retrograde shear rate in the femoral artery using lower limb external compression. Physiological Reports, 2013, 1, e00022.	0.7	14
43	Resistance exercise training reduces arterial reservoir pressure in older adults with prehypertension and hypertension. Hypertension Research, 2013, 36, 422-427.	1.5	35
44	Hemodynamic Correlates of Late Systolic Flow Velocity Augmentation in the Carotid Artery. International Journal of Hypertension, 2013, 2013, 1-7.	0.5	20
45	A New Exercise Central Hemodynamics Paradigm. Hypertension, 2013, 62, e35.	1.3	2
46	Self-Reported Sitting Time Is Associated With Higher Pressure From Wave Reflections Independent of Physical Activity Levels in Healthy Young Adults. American Journal of Hypertension, 2013, 26, 1017-1023.	1.0	9
47	Racial differences in central hemodynamic burden in men with HIV: preliminary findings. Ethnicity and Disease, 2013, 23, 217-22.	1.0	2
48	Relation of Pulse Pressure to Long-Distance Gait Speed in Community-Dwelling Older Adults: Findings from the LIFE-P Study. PLoS ONE, 2012, 7, e49544.	1.1	12
49	Systemic Vascular Function Is Associated with Muscular Power in Older Adults. Journal of Aging Research, 2012, 2012, 1-10.	0.4	29
50	How Healthy Were the Arteries of Phidippides?. Clinical Cardiology, 2012, 35, 65-68.	0.7	14
51	Peripheral augmentation index as a biomarker of vascular aging: an invasive hemodynamics approach. European Journal of Applied Physiology, 2012, 112, 2871-2879.	1.2	23
52	Pulsatile Stress, Inflammation and Change in Arterial Stiffness. Journal of Atherosclerosis and Thrombosis, 2012, 19, 1035-1042.	0.9	21
53	Pulse pressure is associated with walking impairment in multiple sclerosis. Journal of the Neurological Sciences, 2011, 309, 105-109.	0.3	21
54	Relation of Pulse Pressure to Blood Pressure Response to Exercise in Patients With Hypertrophic Cardiomyopathy. American Journal of Cardiology, 2011, 107, 600-603.	0.7	4

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55	Effect of Atenolol vs Metoprolol Succinate on Vascular Function in Patients With Hypertension. <i>Clinical Cardiology</i> , 2011, 34, 39-44.	0.7	15
56	Endothelial Function and Soluble Endoglin in Smokers With Heart Failure. <i>Clinical Cardiology</i> , 2011, 34, 729-733.	0.7	7
57	Elevated Soluble fms-Like Tyrosine Kinase-1 Levels in Acute Coronary Occlusion. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 443-450.	1.1	17
58	Panvascular Dysfunction in Hypertrophic Cardiomyopathy. <i>American Journal of Hypertension</i> , 2011, 24, 735-736.	1.0	0
59	Peripheral augmentation index and vascular inflammation in autosomal dominant polycystic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 2515-2521.	0.4	23
60	Augmentation Index Derived from Peripheral Arterial Tonometry Correlates with Cardiovascular Risk Factors. <i>Cardiology Research and Practice</i> , 2011, 2011, 1-6.	0.5	62
61	Changes in Arterial Distensibility and Flow-Mediated Dilation After Acute Resistance vs. Aerobic Exercise. <i>Journal of Strength and Conditioning Research</i> , 2010, 24, 2846-2852.	1.0	59
62	Peripheral Arterial Tonometry for Risk Stratification in Men With Coronary Artery Disease. <i>Clinical Cardiology</i> , 2010, 33, 94-98.	0.7	25
63	Acute effects of supramaximal exercise on carotid artery compliance and pulse pressure in young men and women. <i>European Journal of Applied Physiology</i> , 2010, 110, 729-737.	1.2	32
64	Peripheral Vascular Endothelial Function in Patients With Hypertrophic Cardiomyopathy. <i>American Journal of Cardiology</i> , 2010, 105, 112-115.	0.7	16
65	Usefulness of Soluble Endoglin as a Noninvasive Measure of Left Ventricular Filling Pressure in Heart Failure. <i>American Journal of Cardiology</i> , 2010, 106, 1770-1776.	0.7	38
66	Elevated augmentation index derived from peripheral arterial tonometry is associated with abnormal ventricular-vascular coupling. <i>Clinical Physiology and Functional Imaging</i> , 2010, 30, 313-317.	0.5	29
67	Effect of increased preload on the synthesized aortic blood pressure waveform. <i>Journal of Applied Physiology</i> , 2010, 109, 484-490.	1.2	16
68	Pulse wave amplitude is associated with brachial artery diameter: Implications for gender differences in microvascular function. <i>Vascular Medicine</i> , 2010, 15, 39-45.	0.8	19
69	Review Article: L-Arginine as a Nutritional Prophylaxis Against Vascular Endothelial Dysfunction With Aging. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2010, 15, 17-23.	1.0	39
70	Endothelium-dependent vasodilation is associated with exercise capacity in smokers and non-smokers. <i>Vascular Medicine</i> , 2010, 15, 119-125.	0.8	19
71	C-reactive protein and cardiac vagal activity following resistance exercise training in young African-American and white men. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R1098-R1105.	0.9	63
72	Influence of arterial wave reflection on carotid blood pressure and intima-media thickness in older endurance trained men and women with prehypertension. <i>Clinical Physiology and Functional Imaging</i> , 2009, 29, 193-200.	0.5	10

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73	Resistance exercise training reduces central blood pressure and improves microvascular function in African American and white men. <i>Atherosclerosis</i> , 2009, 207, 220-226.	0.4	78
74	Complexity of force output during static exercise in individuals with Down syndrome. <i>Journal of Applied Physiology</i> , 2009, 106, 1227-1233.	1.2	31
75	Microvascular function and ageing: L-arginine, tetrahydrobiopterin and the search for the fountain of vascular youth. <i>Journal of Physiology</i> , 2008, 586, 2041-2042.	1.3	5
76	Arterial wave reflection and vascular autonomic modulation in young and older men. <i>Aging Clinical and Experimental Research</i> , 2008, 20, 1-7.	1.4	12
77	Racial differences in central blood pressure and vascular function in young men. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H2380-H2387.	1.5	138
78	Fractal scaling properties of heart rate dynamics following resistance exercise training. <i>Journal of Applied Physiology</i> , 2008, 105, 109-113.	1.2	30
79	Arterial Stiffness and Wave Reflection following Exercise in Resistance-Trained Men. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, 842-848.	0.2	65
80	Racial Differences in Arterial Stiffness After Exercise in Young Men. <i>American Journal of Hypertension</i> , 2007, 20, 840-845.	1.0	48
81	Heart rate recovery and heart rate complexity following resistance exercise training and detraining in young men. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H3180-H3186.	1.5	106
82	Arterial stiffness following repeated Valsalva maneuvers and resistance exercise in young men. <i>Applied Physiology, Nutrition and Metabolism</i> , 2007, 32, 257-264.	0.9	49
83	Heart rate recovery after exercise is associated with resting QTc interval in young men. <i>Clinical Autonomic Research</i> , 2007, 17, 356-363.	1.4	9
84	External mechanical compression reduces regional arterial stiffness. <i>European Journal of Applied Physiology</i> , 2007, 101, 735-741.	1.2	29
85	Cardiac autonomic modulation during recovery from acute endurance versus resistance exercise. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2006, 13, 80-86.	3.1	72
86	Effect of single-leg resistance exercise on regional arterial stiffness. <i>European Journal of Applied Physiology</i> , 2006, 98, 185-190.	1.2	85