Paul J Fadel

List of Publications by Citations

66 papers	1,708 citations	24 h-index	40 g-index
69 ext. papers	2,071 ext. citations	3.3 avg, IF	4.93 L-index

#	Paper	IF	Citations
66	Autonomic adjustments to exercise in humans. *Comprehensive Physiology*, **2015**, 5, 475-512	7.7	136
65	Exaggerated sympathetic and pressor responses to handgrip exercise in older hypertensive humans: role of the muscle metaboreflex. *American Journal of Physiology - Heart and Circulatory Physiology*, **2010**, 299, H1318-27	5.2	131
64	Impact of prolonged sitting on lower and upper limb micro- and macrovascular dilator function. *Experimental Physiology*, **2015**, 100, 829-38	2.4	120
63	Endothelial dysfunction following prolonged sitting is mediated by a reduction in shear stress. *American Journal of Physiology - Heart and Circulatory Physiology*, **2016**, 310, H648-53	5.2	93
62	Prolonged sitting-induced leg endothelial dysfunction is prevented by fidgeting. *American Journal of Physiology - Heart and Circulatory Physiology*, **2016**, 311, H177-82	5.2	89
61	Impact of reduced daily physical activity on conduit artery flow-mediated dilation and circulating endothelial microparticles. *Journal of Applied Physiology*, **2013**, 115, 1519-25	3.7	85
60	Increased brachial artery retrograde shear rate at exercise onset is abolished during prolonged cycling: role of thermoregulatory vasodilation. *Journal of Applied Physiology*, **2011**, 110, 389-97	3.7	75
59	Augmented sympathetic vasoconstriction in exercising forearms of postmenopausal women is reversed by oestrogen therapy. *Journal of Physiology*, **2004**, 561, 893-901	3.9	71
58	Noninvasive assessment of sympathetic vasoconstriction in human and rodent skeletal muscle using near-infrared spectroscopy and Doppler ultrasound. *Journal of Applied Physiology*, **2004**, 96, 1323-30	3.7	71
57	Brachial artery vasodilatation during prolonged lower limb exercise: role of shear rate. *Experimental Physiology*, **2011**, 96, 1019-27	2.4	60
56	Influence of sex on microvascular and macrovascular responses to prolonged sitting. *American Journal of Physiology - Heart and Circulatory Physiology*, **2017**, 312, H800-H805	5.2	55
55	Augmented pressor and sympathetic responses to skeletal muscle metaboreflex activation in type 2 diabetes patients. *American Journal of Physiology - Heart and Circulatory Physiology*, **2016**, 310, H300-9	5.2	55
54	Prolonged sitting leg vasculopathy: contributing factors and clinical implications. *American Journal of Physiology - Heart and Circulatory Physiology*, **2017**, 313, H722-H728	5.2	48
53	Effects of handgrip training with venous restriction on brachial artery vasodilation. *Medicine and Science in Sports and Exercise*, **2010**, 42, 1296-302	1.2	48
52	Impaired vasomodulation is associated with reduced neuronal nitric oxide synthase in skeletal muscle of ovariectomized rats. *Journal of Physiology*, **2003**, 549, 243-53	3.9	42
51	Reliability of muscle blood flow and oxygen consumption response from exercise using near-infrared spectroscopy. *Experimental Physiology*, **2018**, 103, 90-100	2.4	40
50	Assessment of resistance vessel function in human skeletal muscle: guidelines for experimental design, Doppler ultrasound, and pharmacology. *American Journal of Physiology - Heart and Circulatory Physiology*, **2020**, 318, H301-H325	5.2	40

49	Impact of Prolonged Sitting on Peripheral and Central Vascular Health. *American Journal of Cardiology*, **2019**, 123, 260-266	3	38
48	Seven days of aerobic exercise training improves conduit artery blood flow following glucose ingestion in patients with type 2 diabetes. *Journal of Applied Physiology*, **2011**, 111, 657-64	3.7	28
47	Brachial artery retrograde flow increases with age: relationship to physical function. *European Journal of Applied Physiology*, **2009**, 107, 219-25	3.4	27
46	The Effects of Acute Exposure to Prolonged Sitting, With and Without Interruption, on Vascular Function Among Adults: A Meta-analysis. *Sports Medicine*, **2020**, 50, 1929-1942	10.6	27
45	Characterizing rapid-onset vasodilation to single muscle contractions in the human leg. *Journal of Applied Physiology*, **2015**, 118, 455-64	3.7	26
44	Reflex sympathetic activation during static exercise is severely impaired in patients with myophosphorylase deficiency. *Journal of Physiology*, **2003**, 548, 983-93	3.9	26
43	Effect of aging on carotid baroreflex control of blood pressure and leg vascular conductance in women. *American Journal of Physiology - Heart and Circulatory Physiology*, **2014**, 306, H1417-25	5.2	24
42	Integration of Central and Peripheral Regulation of the Circulation during Exercise: Acute and Chronic Adaptations. *Comprehensive Physiology*, **2017**, 8, 103-151	7.7	21
41	Influence of spontaneously occurring bursts of muscle sympathetic nerve activity on conduit artery diameter. *American Journal of Physiology - Heart and Circulatory Physiology*, **2013**, 305, H867-74	5.2	20
40	Acute inactivity impairs glycemic control but not blood flow to glucose ingestion. *Medicine and Science in Sports and Exercise*, **2015**, 47, 1087-94	1.2	19
39	Brief periods of inactivity reduce leg microvascular, but not macrovascular, function in healthy young men. *Experimental Physiology*, **2018**, 103, 1425-1434	2.4	17
38	Vascular health toolbox for spinal cord injury: Recommendations for clinical practice. *Atherosclerosis*, **2015**, 243, 373-82	3.1	16
37	Effects of acute prolonged sitting on cerebral perfusion and executive function in young adults: A randomized cross-over trial. *Psychophysiology*, **2019**, 56, e13457	4.1	15
36	Effects of resistance-guided high intensity interval functional electrical stimulation cycling on an individual with paraplegia: A case report. *Journal of Spinal Cord Medicine*, **2018**, 41, 248-252	1.9	14
35	Differential effect of sympathetic activation on tissue oxygenation in gastrocnemius and soleus muscles during exercise in humans. *Experimental Physiology*, **2014**, 99, 348-58	2.4	14
34	Influence of aerobic fitness on vasoreactivity in young men. *European Journal of Applied Physiology*, **2017**, 117, 2075-2083	3.4	14
33	Local exercise does not prevent the aortic stiffening response to acute prolonged sitting: a randomized crossover trial. *Journal of Applied Physiology*, **2019**, 127, 781-787	3.7	13
32	Validity and reliability of lower-limb pulse-wave velocity assessments using an oscillometric technique. *Experimental Physiology*, **2019**, 104, 765-774	2.4	9

31	Influence of endurance training on central sympathetic outflow to skeletal muscle in response to a mixed meal. *Journal of Applied Physiology*, **2010**, 108, 882-90	3.7	8
30	Endothelium function dependence of acute changes in pulse wave velocity and flow-mediated slowing. *Vascular Medicine*, **2020**, 25, 419-426	3.3	7
29	Reliability of pulse waveform separation analysis responses to an orthostatic challenge. *Hypertension Research*, **2018**, 41, 176-182	4.7	7
28	Influence of physical inactivity on arterial compliance during a glucose challenge. *Experimental Physiology*, **2018**, 103, 483-494	2.4	7
27	Inflammation as a mediator of arterial ageing. *Experimental Physiology*, **2019**, 104, 1455-1471	2.4	6
26	Effects of Intermittent Pneumatic Compression on Leg Vascular Function in People with Spinal Cord Injury: A Pilot Study. *Journal of Spinal Cord Medicine*, **2019**, 42, 586-594	1.9	6
25	The Effect of Electrically Induced Cycling and Nutritional Counseling on Cardiometabolic Health in Upper and Lower Motor Neuron Chronic Spinal Cord Injury: Dual Case Report. *International Journal of Neurorehabilitation*, **2019**, 6,	2	4
24	Electrically induced cycling and nutritional counseling for counteracting obesity after spinal cord injury: A pilot study. *Journal of Spinal Cord Medicine*, **2021**, 44, 533-540	1.9	4
23	Central cardiovascular hemodynamic response to unilateral handgrip exercise with blood flow restriction. *European Journal of Applied Physiology*, **2019**, 119, 2255-2263	3.4	4
22	The aortic-femoral arterial stiffness gradient: an atherosclerosis risk in communities (ARIC) study. *Journal of Hypertension*, **2021**, 39, 1370-1377	1.9	4
21	Associations between carotid-femoral and heart-femoral pulse wave velocity in older adults: the Atherosclerosis Risk In Communities study. *Journal of Hypertension*, **2020**, 38, 1786-1793	1.9	3
20	The impact of upper-limb position on estimated central blood pressure waveforms. *Journal of Human Hypertension*, **2019**, 33, 444-453	2.6	3
19	Safety and preliminary efficacy of functional electrical stimulation cycling in an individual with cervical cord injury, autonomic dysreflexia, and a pacemaker: Case report. *Journal of Spinal Cord Medicine*, **2021**, 44, 613-616	1.9	3
18	A Primer on Repeated Sitting Exposure and the Cardiovascular System: Considerations for Study Design, Analysis, Interpretation, and Translation. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 716938	5.4	3
17	Validity and reliability of peripheral pulse wave velocity measures in a seated posture. *Hypertension Research*, **2020**, 43, 845-847	4.7	2
16	Sitting decreases endothelial microparticles but not circulating angiogenic cells irrespective of lower leg exercises: a randomized cross-over trial. *Experimental Physiology*, **2020**, 105, 1408-1419	2.4	2
15	Arterial stiffness responses to prolonged sitting combined with a high-glycemic-index meal: a double-blind, randomized crossover trial. *Journal of Applied Physiology*, **2021**, 131, 229-237	3.7	2
14	Acute Changes in Carotid-Femoral Pulse-Wave Velocity Are Tracked by Heart-Femoral Pulse-Wave Velocity. *Frontiers in Cardiovascular Medicine*, **2020**, 7, 592834	5.4	2

13	Acute cardiovascular response to unilateral, bilateral, and alternating resistance exercise with blood flow restriction. *European Journal of Applied Physiology*, **2020**, 120, 1921-1930	3.4	1
12	The role of β-adrenergic receptors in mediating beat-by-beat sympathetic vascular transduction in resting humans. *FASEB Journal*, **2013**, 27, 1119.2	0.9	1
11	Validity of single-point assessments for determining leg pulse wave velocity in sitting and supine positions. *Clinical Physiology and Functional Imaging*, **2020**, 40, 157-164	2.4	1
10	Cerebrovascular function response to prolonged sitting combined with a high-glycemic index meal: A double-blind, randomized cross-over trial. *Psychophysiology*, **2021**, 58, e13830	4.1	1
9	Estimating local arterial stiffness using mixed-effects model-based residuals: a novel approach. *Hypertension Research*, **2021**, 44, 727-729	4.7	0
8	Central and peripheral arterial stiffness responses to uninterrupted prolonged sitting combined with a high-fat meal: a randomized controlled crossover trial. *Hypertension Research*, **2021**, 44, 1332-1340	4.7	0
7	Prolonged Sitting Impairs Forearm and Lower Leg Microvascular Reactivity. *FASEB Journal*, **2015**, 29, 994.11	0.9	
6	Postural Challenge Accentuates the Autonomic Responses to an Inspiratory Apnea. *FASEB Journal*, **2009**, 23, 786.12	0.9	
5	Association between uric acid, lean mass, and muscle strength gains in the elderly. *FASEB Journal*, **2012**, 26, 1077.6	0.9	
4	Five days of reduced physical activity selectively impairs endothelial function of the inactive limbs. *FASEB Journal*, **2013**, 27, 1136.12	0.9	
3	Occupational sitting and work engagement among university employees. *Journal of American College Health*, **2021**, 1-7	2.2	
2	Increasing Physical Activity in Spinal Cord Injury: Upper-Body Exercise Alone Not Enough?. *Archives of Physical Medicine and Rehabilitation*, **2016**, 97, 171	2.8	
1	Methodological Considerations Which Could Improve Spinal Cord Injury Research. *Journal of Science in Sport and Exercise*, **2020**, 2, 38-46	1	