James P Fisher

List of Publications by Year
in descending order

99 papers	3,987 citations	136950 32 h-index	138484 58 g-index
99 all docs	99 docs citations	99 times ranked	4763 citing authors

#	Article	IF	Citations
1	Advances in heart rate variability signal analysis: joint position statement by the e-Cardiology ESC Working Group and the European Heart Rhythm Association co-endorsed by the Asia Pacific Heart Rhythm Society. Europace, 2015, 17, 1341-1353.	1.7	589
2	Autonomic Adjustments to Exercise in Humans. , 2015, 5, 475-512.		194
3	Sprint interval and endurance training are equally effective in increasing muscle microvascular density and eNOS content in sedentary males. Journal of Physiology, 2013, 591, 641-656.	2.9	169
4	Central sympathetic overactivity: Maladies and mechanisms. Autonomic Neuroscience: Basic and Clinical, 2009, 148, 5-15.	2.8	153
5	Autonomic nervous system influence on arterial baroreflex control of heart rate during exercise in humans. Journal of Physiology, 2005, 566, 599-611.	2.9	132
6	Blood flow in internal carotid and vertebral arteries during orthostatic stress. Experimental Physiology, 2012, 97, 1272-1280.	2.0	107
7	Autonomic control of heart rate by metabolically sensitive skeletal muscle afferents in humans. Journal of Physiology, 2010, 588, 1117-1127.	2.9	104
8	Cardiovascular and autonomic reactivity to psychological stress: Neurophysiological substrates and links to cardiovascular disease. Autonomic Neuroscience: Basic and Clinical, 2017, 207, 2-9.	2.8	99
9	Autonomic function and rheumatoid arthritisâ€"A systematic review. Seminars in Arthritis and Rheumatism, 2014, 44, 283-304.	3.4	94
10	Cerebral perfusion, oxygenation and metabolism during exercise in young and elderly individuals. Journal of Physiology, 2013, 591, 1859-1870.	2.9	91
11	Low volumeâ€"high intensity interval exercise elicits antioxidant and anti-inflammatory effects in humans. Journal of Sports Sciences, 2016, 34, 1-9.	2.0	91
12	Sprint interval and moderateâ€intensity continuous training have equal benefits on aerobic capacity, insulin sensitivity, muscle capillarisation and endothelial eNOS/NAD(P)Hoxidase protein ratio in obese men. Journal of Physiology, 2016, 594, 2307-2321.	2.9	84
13	The effect of phenylephrine on arterial and venous cerebral blood flow in healthy subjects. Clinical Physiology and Functional Imaging, 2011, 31, 445-451.	1.2	80
14	Therapeutic strategies for targeting excessive central sympathetic activation in human hypertension. Experimental Physiology, 2010, 95, 572-580.	2.0	78
15	Sex differences in carotid baroreflex control of arterial blood pressure in humans: relative contribution of cardiac output and total vascular conductance. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H2454-H2465.	3.2	76
16	Muscle afferent contributions to the cardiovascular response to isometric exercise. Experimental Physiology, 2004, 89, 639-646.	2.0	72
17	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-H309.	3.2	72
18	The Logic of Carotid Body Connectivity to the Brain. Physiology, 2019, 34, 264-282.	3.1	71

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19	Autonomic control of the heart during exercise in humans: role of skeletal muscle afferents. Experimental Physiology, 2014, 99, 300-305.	2.0	68
20	Cardiovascular responses to human calf muscle stretch during varying levels of muscle metaboreflex activation. Experimental Physiology, 2005, 90, 773-781.	2.0	67
21	Muscle metaboreflex and autonomic regulation of heart rate in humans. Journal of Physiology, 2013, 591, 3777-3788.	2.9	63
22	Regulation of middle cerebral artery blood velocity during dynamic exercise in humans: influence of aging. Journal of Applied Physiology, 2008, 105, 266-273.	2.5	55
23	Association Between Corrected QT Interval and Inflammatory Cytokines in Rheumatoid Arthritis. Journal of Rheumatology, 2015, 42, 421-428.	2.0	52
24	Increased sympathetic nerve activity and reduced cardiac baroreflex sensitivity in rheumatoid arthritis. Journal of Physiology, 2017, 595, 967-981.	2.9	52
25	Inhibition of nitric oxide synthase evokes central sympathoâ€excitation in healthy humans. Journal of Physiology, 2009, 587, 4977-4986.	2.9	51
26	Increases in central blood volume modulate carotid baroreflex resetting during dynamic exercise in humans. Journal of Physiology, 2007, 581, 405-418.	2.9	46
27	Arterial baroreflex control of muscle sympathetic nerve activity in the transition from rest to steady-state dynamic exercise in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H2202-H2209.	3.2	43
28	Regulation of middle cerebral artery blood velocity during recovery from dynamic exercise in humans. Journal of Applied Physiology, 2007, 102, 713-721.	2.5	39
29	Neurovascular coupling and cerebral autoregulation in atrial fibrillation. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 1647-1657.	4.3	38
30	Experimental Physiology â€“ Research Paper: Glycopyrrolate abolishes the exerciseâ€induced increase in cerebral perfusion in humans. Experimental Physiology, 2010, 95, 1016-1025.	2.0	36
31	Spontaneous baroreflex measures are unable to detect ageâ€related impairments in cardiac baroreflex function during dynamic exercise in humans. Experimental Physiology, 2009, 94, 447-458.	2.0	35
32	Diving and exercise: The interaction of trigeminal receptors and muscle metaboreceptors on muscle sympathetic nerve activity in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H367-H375.	3.2	34
33	The impact of age on cerebral perfusion, oxygenation and metabolism during exercise in humans. Journal of Physiology, 2016, 594, 4471-4483.	2.9	34
34	New insights into the effects of age and sex on arterial baroreflex function at rest and during dynamic exercise in humans. Autonomic Neuroscience: Basic and Clinical, 2012, 172, 13-22.	2.8	33
35	Effect of muscle metaboreflex activation on carotid-cardiac baroreflex function in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H2296-H2304.	3.2	31
36	Influence of ageing on carotid baroreflex peak response latency in humans. Journal of Physiology, 2009, 587, 5427-5439.	2.9	30

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37	Carotid baroreflex control of arterial blood pressure at rest and during dynamic exercise in aging humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R1241-R1247.	1.8	30
38	Effect of muscle metaboreflex activation on spontaneous cardiac baroreflex sensitivity during exercise in humans. Journal of Physiology, 2011, 589, 6157-6171.	2.9	29
39	Exercise intensity influences cardiac baroreflex function at the onset of isometric exercise in humans. Journal of Applied Physiology, 2007, 103, 941-947.	2.5	28
40	Transfer function characteristics of the neural and peripheral arterial baroreflex arcs at rest and during postexercise muscle ischemia in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H1416-H1424.	3.2	27
41	Age, aerobic fitness, and cerebral perfusion during exercise: role of carbon dioxide. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H515-H523.	3.2	27
42	Integrative cerebral blood flow regulation in ischemic stroke. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 387-403.	4.3	27
43	Effect of sex and ovarian hormones on carotid baroreflex resetting and function during dynamic exercise in humans. Journal of Applied Physiology, 2012, 112, 1361-1371.	2.5	26
44	Acute aerobic exercise induces a preferential mobilisation of plasmacytoid dendritic cells into the peripheral blood in man. Physiology and Behavior, 2018, 194, 191-198.	2.1	25
45	Influence of age on cardiac baroreflex function during dynamic exercise in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H777-H783.	3.2	23
46	Cardiovascular autonomic regulation, inflammation and pain in rheumatoid arthritis. Autonomic Neuroscience: Basic and Clinical, 2017, 208, 137-145.	2.8	23
47	Effect of healthy aging on cerebral blood flow, CO₂ reactivity, and neurovascular coupling during exercise. Journal of Applied Physiology, 2018, 125, 1917-1930.	2.5	23
48	Hypoxia-induced vagal withdrawal is independent of the hypoxic ventilatory response in men. Journal of Applied Physiology, 2019, 126, 124-131.	2.5	23
49	Cardiac and vasomotor components of the carotid baroreflex control of arterial blood pressure during isometric exercise in humans. Journal of Physiology, 2006, 572, 869-880.	2.9	22
50	Muscle metaboreflex and cerebral blood flow regulation in humans: implications for exercise with blood flow restriction. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H1201-H1209.	3.2	21
51	Parasympathetic withdrawal increases heart rate after 2Âweeks at 3454Âm altitude. Journal of Physiology, 2017, 595, 1619-1626.	2.9	21
52	Extra- and intracranial blood flow regulation during the cold pressor test: influence of age. Journal of Applied Physiology, 2017, 123, 1071-1080.	2.5	21
53	Sympathetically-mediated cardiac responses to isolated muscle metaboreflex activation following exercise are modulated by body position in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 314, H593-H602.	3.2	21
54	Influence of central command and muscle afferent activation on anterior cerebral artery blood velocity responses to calf exercise in humans. Journal of Applied Physiology, 2009, 107, 1113-1120.	2.5	20

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55	Spironolactone in Atrial Fibrillation With Preserved Cardiac Fraction: TheÂIMPRESSâ€AF Trial. Journal of the American Heart Association, 2020, 9, e016239.	3.7	20
56	The time course and direction of lower limb vascular conductance changes during voluntary and electrically evoked isometric exercise of the contralateral calf muscle in man. Journal of Physiology, 2003, 546, 315-323.	2.9	19
57	Influence of menstrual cycle phase on muscle metaboreflex control of cardiac baroreflex sensitivity, heart rate and blood pressure in humans. Experimental Physiology, 2013, 98, 220-232.	2.0	19
58	Intensive Exercise Does Not Preferentially Mobilize Skin-Homing T Cells and NK Cells. Medicine and Science in Sports and Exercise, 2016, 48, 1285-1293.	0.4	19
59	Effect of muscle metaboreflex activation on central hemodynamics and cardiac function in humans. Applied Physiology, Nutrition and Metabolism, 2014, 39, 861-870.	1.9	18
60	Muscle afferent inputs to cardiovascular control during isometric exercise vary with muscle group in patients with chronic heart failure. Clinical Science, 2004, 107, 197-204.	4.3	17
61	Differential responses to sympathetic stimulation in the cerebral and brachial circulations during rhythmic handgrip exercise in humans. Experimental Physiology, 2010, 95, 1089-1097.	2.0	17
62	Impact of age on critical closing pressure of the cerebral circulation during dynamic exercise in humans. Experimental Physiology, 2011, 96, 417-425.	2.0	17
63	Influence of age on respiratory modulation of muscle sympathetic nerve activity, blood pressure and baroreflex function in humans. Experimental Physiology, 2015, 100, 1039-1051.	2.0	17
64	Carotid chemoreceptor control of muscle sympathetic nerve activity in hypobaric hypoxia. Experimental Physiology, 2018, 103, 77-89.	2.0	17
65	Acute hydrocortisone administration reduces cardiovagal baroreflex sensitivity and heart rate variability in young men. Journal of Physiology, 2018, 596, 4847-4861.	2.9	17
66	Impaired Cerebrovascular Reactivity in Patients With Atrial Fibrillation. Journal of the American College of Cardiology, 2019, 73, 1230-1232.	2.8	16
67	Effect of Resistance Training on Microvascular Density and eNOS Content in Skeletal Muscle of Sedentary Men. Microcirculation, 2014, 21, 738-746.	1.8	15
68	Sex differences in the sympathetic neurocirculatory responses to chemoreflex activation. Journal of Physiology, 2022, , .	2.9	15
69	Reflex control of the cardiovascular system during exercise in disease. Current Opinion in Physiology, 2019, 10, 110-117.	1.8	14
70	Decreased muscle sympathetic nerve activity does not explain increased vascular conductance during contralateral isometric exercise in humans. Experimental Physiology, 2005, 90, 377-382.	2.0	13
71	A cholinergic contribution to the circulatory responses evoked at the onset of handgrip exercise in humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 308, R597-R604.	1.8	13
72	Cerebrovascular Dysfunction in Atrial Fibrillation. Frontiers in Physiology, 2020, 11, 1066.	2.8	12

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73	Influence of muscle metaboreceptor stimulation on middle cerebral artery blood velocity in humans. Experimental Physiology, 2014, 99, 1478-1487.	2.0	10
74	Autonomic Function in Patients With Parkinsonâ€™s Disease: From Rest to Exercise. Frontiers in Physiology, 2021, 12, 626640.	2.8	10
75	Cardiac autonomic regulation during hypoxic exercise. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H1474-H1475.	3.2	8
76	Gravitational effects on intracranial pressure and blood flow regulation in young men: a potential shunting role for the external carotid artery. Journal of Applied Physiology, 2020, 129, 901-908.	2.5	8
77	Impact of acute dynamic exercise on radial artery low-flow mediated constriction in humans. European Journal of Applied Physiology, 2018, 118, 1463-1472.	2.5	7
78	Clinical utility of ventilatory and gas exchange evaluation during lowâ€intensity exercise for risk stratification and prognostication in pulmonary arterial hypertension. Respirology, 2021, 26, 264-272.	2.3	7
79	Case report: (Pre)syncopal symptoms associated with a negative internal jugular venous pressure. Frontiers in Physiology, 2014, 5, 317.	2.8	5
80	Relationship between aortic augmentation index and blood pressure during metaboreflex activation in healthy young men. Blood Pressure Monitoring, 2016, 21, 288-294.	0.8	5
81	Impact of whole body passive heat stress and arterial shear rate modification on radial artery function in young men. Journal of Applied Physiology, 2020, 129, 1373-1382.	2.5	5
82	Sympathetic regulation of coronary circulation during handgrip exercise and isolated muscle metaboreflex activation in men. Experimental Physiology, 2021, 106, 2400-2411.	2.0	5
83	A greater burden of atrial fibrillation is associated with worse endothelial dysfunction in hypertension. Journal of Human Hypertension, 2021, 35, 667-677.	2.2	4
84	Cerebrovascular carbon dioxide reactivity and flow-mediated dilation in young healthy South Asian and Caucasian European men. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H756-H763.	3.2	4
85	The middle cerebral artery blood velocity response to acute normobaric hypoxia occurs independently of changes in ventilation in humans. Experimental Physiology, 2021, 106, 861-867.	2.0	3
86	Neurovascular coupling is not influenced by lower body negative pressure in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H22-H31.	3.2	3
87	Human cerebrovascular responses to diving are not related to facial cooling. Experimental Physiology, 2020, 105, 940-949.	2.0	2
88	The influence of statin therapy on resting sympathetic nerve activity in patients with heart failure. FASEB Journal, 2007, 21, A1268.	0.5	2
89	Cardiorespiratory responses to muscle metaboreflex activation in fibrosing interstitial lung disease. Experimental Physiology, 2022, 107, 527-540.	2.0	2
90	Pharmacological inhibition of nitric oxide synthase increases sympathetic nerve activity in healthy humans. FASEB Journal, 2008, 22, 740.13.	0.5	1

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91	Effects of hypoxia and hyperoxia on venous capacity and compliance in healthy men and women. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2022, 322, R445-R453.	1.8	1
92	Reply from James P. Fisher, Thomas Seifert, Doreen Hartwich, Colin N. Young, Niels H. Secher and Paul J. Fadel. Journal of Physiology, 2010, 588, 2681-2681.	2.9	0
93	Regulation of Heart Rate and Blood Pressure During Exercise in Humans. , 2019, , 541-560.		0
94	Sympathetic reactivity and inflammation: another joint problem in rheumatoid arthritis?. Journal of Physiology, 2021, 599, 1025-1026.	2.9	0
95	Probing shearâ€stressâ€mediated cerebral vasodilatation in humans â€“ it's a NO brainer. Journal of Physiology, 2022, 600, 1283-1284.	2.9	0
96	Lowerâ€limb venous function in hypoxia and hyperoxia: effect of healthy ageing. FASEB Journal, 2022, 36, .	0.5	0
97	Cerebrovascular Carbon Dioxide Reactivity with Hyperoxia and Hypoxia in Humans with Treated Hypertension. FASEB Journal, 2022, 36, .	0.5	0
98	Sympathetic Neurocirculatory Responses to Chemoreflex Activation in Young Women and Men. FASEB Journal, 2022, 36, .	0.5	0
99	Impact of acute dynamic exercise and arterial shear rate modification on radial artery low-flow mediated constriction in young men. European Journal of Applied Physiology, 2022, , .	2.5	0