

Chester A Ray

List of Publications by Year in Descending Order

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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.

107
papers

3,968
citations

34
h-index

61
g-index

109
ext. papers

4,315
ext. citations

3.4
avg, IF

5.2
L-index

#	Paper	IF	Citations
107	Engineering Online and In-Person Social Networks for Physical Activity: A Randomized Trial. <i>Annals of Behavioral Medicine</i> , 2016 , 50, 885-897	4.5	23
106	Sympathetic neural adaptations to exercise training in humans. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2015 , 188, 36-43	2.4	50
105	Feasibility of using a compact elliptical device to increase energy expenditure during sedentary activities. <i>Journal of Science and Medicine in Sport</i> , 2014 , 17, 376-80	4.4	13
104	Engineering online and in-person social networks to sustain physical activity: application of a conceptual model. <i>BMC Public Health</i> , 2013 , 13, 753	4.1	22
103	Is there diurnal variation of the vestibulosympathetic reflex: implications for orthostatic hypotension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 305, H1555-9	5.2	1
102	Melatonin attenuates the skin sympathetic nerve response to mental stress. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 305, H1382-6	5.2	14
101	Augmented limb blood flow during neurovascular stress in physically fit women. <i>Psychophysiology</i> , 2013 , 50, 831-40	4.1	2
100	Mental Stress Elicits Sustained and Reproducible Increases in Skin Sympathetic Nerve Activity. <i>Physiological Reports</i> , 2013 , 1,	2.6	23
99	Effect of acute hyperthyroidism on blood flow, muscle oxygenation, and sympathetic nerve activity during dynamic handgrip. <i>Physiological Reports</i> , 2013 , 1, e00011	2.6	4
98	Effects of short-term and prolonged bed rest on the vestibulosympathetic reflex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H368-74	5.2	13
97	Postural effects of vestibular-mediated sympathetic activation. <i>Journal of Applied Physiology</i> , 2012 , 112, 1087; author reply 1088	3.7	
96	Effect of Mental Stress on Coronary Blood Flow in Humans. <i>FASEB Journal</i> , 2012 , 26, 1055.6	0.9	
95	Celecoxib does not alter cardiovascular and renal function during dietary salt loading. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2011 , 38, 543-9	3	4
94	Melatonin differentially affects vascular blood flow in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 300, H670-4	5.2	42
93	Glycerol-induced fluid shifts attenuate the vestibulosympathetic reflex in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011 , 300, R630-4	3.2	3
92	Endurance training reduces renal blood flow at rest in humans. <i>FASEB Journal</i> , 2011 , 25, 1057.2	0.9	
91	Melatonin attenuates the vestibulosympathetic but not vestibulocollic reflexes in humans: selective impairment of the utricles. <i>Journal of Applied Physiology</i> , 2010 , 109, 1697-701	3.7	6

90	Endurance training reduces renal vasoconstriction to orthostatic stress. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 298, F279-84	4.3	10
89	Effects of aerobic exercise training on sympathetic and renal responses to mental stress in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 298, H229-34	5.2	29
88	Influence of increased plasma osmolality on sympathetic outflow during apnea. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010 , 299, R1091-6	3.2	13
87	Aerobic training improves in vivo cholinergic responsiveness but not sensitivity of eccrine sweat glands. <i>Journal of Investigative Dermatology</i> , 2010 , 130, 2328-30	4.3	13
86	Is there diurnal variation with the vestibulosympathetic reflex?. <i>FASEB Journal</i> , 2010 , 24, 616.5	0.9	
85	Evidence of a circadian rhythm for muscle sympathetic nerve activity in humans. <i>FASEB Journal</i> , 2010 , 24, 802.1	0.9	
84	Aging affects the cardiovascular responses to cold stress in humans. <i>Journal of Applied Physiology</i> , 2009 , 107, 1076-82	3.7	80
83	Sympathetic neural responses to mental stress: responders, nonresponders and sex differences. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 296, H847-53	5.2	84
82	Modulation of muscle sympathetic nerve activity to muscle heating during dynamic exercise. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009 , 296, R1439-44	3.2	3
81	Interactive effect of aging and local muscle heating on renal vasoconstriction during isometric handgrip. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 297, F327-32	4.3	15
80	Regulation of pituitary gene expression by adrenalectomy. <i>Obesity</i> , 2009 , 17, 114-20	8	3
79	Mild skin surface cooling does not increase arterial stiffness in humans. <i>FASEB Journal</i> , 2009 , 23, 788.10	0.9	
78	Effect of aging on arm and leg muscle sympathetic nerve activity in humans. <i>FASEB Journal</i> , 2009 , 23, 786.2	0.9	
77	Aerobic exercise training increases maximal in vivo cholinergic responsiveness but not sensitivity of eccrine sweat glands. <i>FASEB Journal</i> , 2009 , 23, 788.8	0.9	
76	Sympathetic responses to vestibular activation in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 294, R681-8	3.2	60
75	Vestibulosympathetic reflex during the early follicular and midluteal phases of the menstrual cycle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 294, E1046-50	6	14
74	Otolithic activation on visceral circulation in humans: effect of aging. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 295, F1166-9	4.3	7
73	Decreased NO signaling leads to enhanced vasoconstrictor responsiveness in skeletal muscle arterioles of the ZDF rat prior to overt diabetes and hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H1840-50	5.2	53

72	New insights into orthostatic hypotension. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 294, R1575-6	3.2	1
71	Diminished mesenteric vaso- and venoconstriction and elevated plasma ANP and BNP with simulated microgravity. <i>Journal of Applied Physiology</i> , 2008 , 104, 1273-80	3.7	19
70	Greater sensitivity of the vestibulosympathetic reflex in the upright posture in humans. <i>Journal of Applied Physiology</i> , 2008 , 105, 65-9	3.7	17
69	Neurovascular responses to mental stress in the supine and upright postures. <i>Journal of Applied Physiology</i> , 2008 , 104, 1129-36	3.7	52
68	Age and microvascular responses to knee extensor exercise in women. <i>European Journal of Applied Physiology</i> , 2008 , 103, 343-51	3.4	15
67	Kinins do not alter cardiovascular and sympathetic responses to isometric exercise in humans. <i>FASEB Journal</i> , 2008 , 22, 740.3	0.9	
66	Maximal cutaneous blood flow is not affected by endurance training: implications for physiological interpretation of cutaneous blood flow. <i>FASEB Journal</i> , 2008 , 22, 1175.5	0.9	
65	Glycerol-induced fluid shift attenuates the vestibulosympathetic reflex in humans. <i>FASEB Journal</i> , 2008 , 22, 740.2	0.9	
64	Effect of polyunsaturated fatty acids on baroreflex function in heart failure patients. <i>Journal of the American College of Cardiology</i> , 2007 , 49, 1750; author reply 1750-1	15.1	
63	Aldosterone impairs baroreflex sensitivity in healthy adults. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 292, H190-7	5.2	42
62	Changes in forearm muscle temperature alter renal vascular responses to isometric handgrip. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 293, H3432-9	5.2	8
61	Effect of baroreflex loading on the responsiveness of the vestibulosympathetic reflex in humans. <i>Journal of Applied Physiology</i> , 2007 , 103, 1001-6	3.7	15
60	Human cerebral autoregulation before, during and after spaceflight. <i>Journal of Physiology</i> , 2007 , 579, 799-810	3.9	87
59	Central modulation of exercise-induced muscle pain in humans. <i>Journal of Physiology</i> , 2007 , 585, 287-94	3.9	34
58	Effect of dimenhydrinate on autonomic activity in humans. <i>Clinical Autonomic Research</i> , 2007 , 17, 186-92	4.3	1
57	Influence of static magnetic fields on pain perception and sympathetic nerve activity in humans. <i>Journal of Applied Physiology</i> , 2007 , 102, 1410-5	3.7	20
56	Skin-surface cooling elicits peripheral and visceral vasoconstriction in humans. <i>Journal of Applied Physiology</i> , 2007 , 103, 1257-62	3.7	89
55	Effect of acute hyperlipidemia on autonomic and cardiovascular control in humans. <i>Journal of Applied Physiology</i> , 2007 , 103, 162-9	3.7	16

54	ENDURANCE TRAINING ATTENUATES CARDIOVASCULAR DRIFT AT THE SAME ABSOLUTE WORK RATE. <i>FASEB Journal</i> , 2007 , 21, A931	0.9	1
53	Effect of blood lipids on autonomic control in humans. <i>FASEB Journal</i> , 2007 , 21, A875	0.9	
52	Aging augments renal vasoconstriction during exercise and local muscle heating. <i>FASEB Journal</i> , 2007 , 21, A569	0.9	
51	ENDURANCE TRAINING ATTENUATES THE VESTIBULOSYPATHETIC REFLEX IN RUNNERS. <i>FASEB Journal</i> , 2007 , 21, A567	0.9	
50	Muscle temperature alters renal vascular responses to exercise. <i>FASEB Journal</i> , 2007 , 21, A569	0.9	
49	Endurance Training Attenuates Renal Artery Vasoconstriction During Vestibular Stimulation in Runners. <i>FASEB Journal</i> , 2007 , 21, A567	0.9	
48	Determinants of skin sympathetic nerve responses to isometric exercise. <i>Journal of Applied Physiology</i> , 2006 , 100, 1043-8	3.7	14
47	Effect of repetitive hypoxic apnoeas on baroreflex function in humans. <i>Journal of Physiology</i> , 2006 , 574, 605-13	3.9	49
46	Neurovascular responses to mental stress. <i>Journal of Physiology</i> , 2005 , 564, 321-7	3.9	93
45	Cyclooxygenase inhibition and baroreflex sensitivity in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 288, H737-43	5.2	20
44	Forearm neurovascular responses during mental stress and vestibular activation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 288, H904-7	5.2	26
43	Vestibular activation does not influence skin sympathetic nerve responses during whole body heating. <i>Journal of Applied Physiology</i> , 2004 , 97, 540-4	3.7	12
42	Comparison of skin sympathetic nerve responses to isometric arm and leg exercise. <i>Journal of Applied Physiology</i> , 2004 , 97, 160-4	3.7	16
41	Omega-3 fatty acid supplementation augments sympathetic nerve activity responses to physiological stressors in humans. <i>Hypertension</i> , 2004 , 44, 732-8	8.5	40
40	Effect of age on cutaneous vasoconstrictor responses to norepinephrine in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004 , 287, R1230-4	3.2	29
39	American College of Sports Medicine position stand. Exercise and hypertension. <i>Medicine and Science in Sports and Exercise</i> , 2004 , 36, 533-53	1.2	1093
38	Aging, opioid-receptor agonists and antagonists, and the vestibulosympathetic reflex in humans. <i>Journal of Applied Physiology</i> , 2004 , 96, 1761-6	3.7	4
37	Effect of thermal stress on the vestibulosympathetic reflexes in humans. <i>Journal of Applied Physiology</i> , 2004 , 97, 1367-70	3.7	6

36	Renal vascular responses to static handgrip: role of muscle mechanoreflex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 285, H1247-53	5.2	73
35	Melatonin attenuates the sympathetic nerve responses to orthostatic stress in humans. <i>Journal of Physiology</i> , 2003 , 551, 1043-8	3.9	40
34	Blood pressure and muscle sympathetic nerve activity during cold pressor stress: fitness and gender. <i>Psychophysiology</i> , 2003 , 40, 370-80	4.1	27
33	Strength training reduces arterial blood pressure but not sympathetic neural activity in young normotensive subjects. <i>Journal of Applied Physiology</i> , 2003 , 94, 2212-6	3.7	57
32	Aging attenuates the vestibulorespiratory reflex in humans. <i>Journal of Physiology</i> , 2003 , 548, 955-61	3.9	19
31	Interactive effect of hypoxia and otolith organ engagement on cardiovascular regulation in humans. <i>Journal of Applied Physiology</i> , 2002 , 93, 576-80	3.7	6
30	Effect of morphine on sympathetic nerve activity in humans. <i>Journal of Applied Physiology</i> , 2002 , 93, 1764-9	3.7	10
29	Vestibul sympathetic reflex during orthostatic challenge in aging humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002 , 283, R1027-32	3.2	27
28	Sympathetic vascular transduction is augmented in young normotensive blacks. <i>Journal of Applied Physiology</i> , 2002 , 92, 651-6	3.7	45
27	The vestibul sympathetic reflex in humans: neural interactions between cardiovascular reflexes. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2002 , 29, 98-102	3	30
26	Influence of microgravity on astronauts' sympathetic and vagal responses to Valsalva manoeuvre. <i>Journal of Physiology</i> , 2002 , 538, 309-20	3.9	66
25	Human muscle sympathetic neural and haemodynamic responses to tilt following spaceflight. <i>Journal of Physiology</i> , 2002 , 538, 331-40	3.9	138
24	Human muscle sympathetic nerve activity and plasma noradrenaline kinetics in space. <i>Journal of Physiology</i> , 2002 , 538, 321-9	3.9	115
23	Limb neurovascular control during altered otolithic input in humans. <i>Journal of Physiology</i> , 2002 , 538, 303-8	3.9	28
22	Cardiovascular and sympathetic neural responses to handgrip and cold pressor stimuli in humans before, during and after spaceflight. <i>Journal of Physiology</i> , 2002 , 544, 653-64	3.9	68
21	Aging attenuates the vestibul sympathetic reflex in humans. <i>Circulation</i> , 2002 , 105, 956-61	16.7	76
20	Influence of vestibular activation on respiration in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002 , 282, R689-94	3.2	36
19	Vestibul sympathetic reflex during mental stress. <i>Journal of Applied Physiology</i> , 2002 , 93, 1260-4	3.7	32

18	Contribution of perfusion pressure to vascular resistance response during head-up tilt. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 281, H371-5	5.2	41
17	Muscle sympathetic nerve responses to physiological changes in prostaglandin production in humans. <i>Journal of Applied Physiology</i> , 2001 , 90, 624-9	3.7	13
16	Interaction between vestibulosympathetic and skeletal muscle reflexes on sympathetic activity in humans. <i>Journal of Applied Physiology</i> , 2001 , 90, 242-7	3.7	26
15	Muscle pain perception and sympathetic nerve activity to exercise during opioid modulation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000 , 279, R1565-73	3.2	31
14	Isometric handgrip training reduces arterial pressure at rest without changes in sympathetic nerve activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 279, H245-9	5.2	79
13	Effect of gender on vestibular sympathoexcitation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000 , 279, R1330-3	3.2	28
12	Interaction of the vestibular system and baroreflexes on sympathetic nerve activity in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 279, H2399-404	5.2	75
11	Comparison of sympathetic nerve responses to neck and forearm isometric exercise. <i>Medicine and Science in Sports and Exercise</i> , 2000 , 32, 1109-13	1.2	2
10	Neck afferent involvement in cardiovascular control during movement. <i>Brain Research Bulletin</i> , 2000 , 53, 45-9	3.9	16
9	Sympathetic adaptations to one-legged training. <i>Journal of Applied Physiology</i> , 1999 , 86, 1583-7	3.7	48
8	Sympathetic responses to head-down rotations in humans. <i>Journal of Applied Physiology</i> , 1999 , 86, 1971-6	5.7	73
7	Sympathetic nerve activity during natural stimulation of horizontal semicircular canals in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1998 , 275, R1274-8	3.2	40
6	Neck afferents and muscle sympathetic activity in humans: implications for the vestibulosympathetic reflex. <i>Journal of Applied Physiology</i> , 1998 , 84, 450-3	3.7	64
5	Sympathetic neural adaptations to exercise training in humans: insights from microneurography. <i>Medicine and Science in Sports and Exercise</i> , 1998 , 30, 387-91	1.2	44
4	Augmentation of exercise-induced muscle sympathetic nerve activity during muscle heating. <i>Journal of Applied Physiology</i> , 1997 , 82, 1719-25	3.7	47
3	Muscle cooling delays activation of the muscle metaboreflex in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1997 , 273, H2436-41	5.2	15
2	Is the gender difference in peak VO ₂ greater for arm than leg exercise?. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1990 , 60, 149-54		7
1	Effect of glucose polymer diet supplement on responses to prolonged successive swimming, cycling and running. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1988 , 58, 327-33		3

