

Jason R Carter

List of Publications by Citations

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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

1,920
citations

27
h-index

41
g-index

122
ext. papers

2,295
ext. citations

3.3
avg, IF

5.32
L-index

#	Paper	IF	Citations
107	Neurovascular responses to mental stress. <i>Journal of Physiology</i> , 2005 , 564, 321-7	3.9	93
106	Recording sympathetic nerve activity in conscious humans and other mammals: guidelines and the road to standardization. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017 , 312, H1031-H1051	5.2	88
105	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
104	Sympathetic neural responses to 24-hour sleep deprivation in humans: sex differences. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H1991-7	5.2	82
103	Obstructive sleep apnoea during REM sleep and incident non-dipping of nocturnal blood pressure: a longitudinal analysis of the Wisconsin Sleep Cohort. <i>Thorax</i> , 2015 , 70, 1062-9	7.3	72
102	Ovarian cycle and sympathoexcitation in premenopausal women. <i>Hypertension</i> , 2013 , 61, 395-9	8.5	68
101	Menstrual cycle alters sympathetic neural responses to orthostatic stress in young, eumenorrheic women. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009 , 297, E85-91	6	64
100	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
99	Strength training does not affect vagal-cardiac control or cardiovagal baroreflex sensitivity in young healthy subjects. <i>European Journal of Applied Physiology</i> , 2005 , 93, 719-25	3.4	58
98	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
97	Adverse Impact of Sleep Restriction and Circadian Misalignment on Autonomic Function in Healthy Young Adults. <i>Hypertension</i> , 2016 , 68, 243-50	8.5	54
96	Neurovascular responses to mental stress in the supine and upright postures. <i>Journal of Applied Physiology</i> , 2008 , 104, 1129-36	3.7	52
95	Sympathetic neural adaptations to exercise training in humans. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2015 , 188, 36-43	2.4	50
94	Effects of the menstrual cycle on sympathetic neural responses to mental stress in humans. <i>Journal of Physiology</i> , 2007 , 585, 635-41	3.9	49
93	Sympathoneural and adrenomedullary responses to mental stress. <i>Comprehensive Physiology</i> , 2015 , 5, 119-46	7.7	43
92	Oral Contraceptive Use, Muscle Sympathetic Nerve Activity, and Systemic Hemodynamics in Young Women. <i>Hypertension</i> , 2015 , 66, 590-7	8.5	41
91	Sex differences in self-report anxiety and sleep quality during COVID-19 stay-at-home orders. <i>Biology of Sex Differences</i> , 2020 , 11, 56	9.3	39

90	Neural and cardiovascular responses to emotional stress in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 295, R1898-903	3.2	38
89	Total sleep deprivation alters cardiovascular reactivity to acute stressors in humans. <i>Journal of Applied Physiology</i> , 2012 , 113, 903-8	3.7	36
88	Central modulation of exercise-induced muscle pain in humans. <i>Journal of Physiology</i> , 2007 , 585, 287-94	3.9	34
87	Vestibulosympathetic reflex during mental stress. <i>Journal of Applied Physiology</i> , 2002 , 93, 1260-4	3.7	32
86	Effects of exercise training on cardiovagal and sympathetic responses to Valsalva maneuver. <i>Medicine and Science in Sports and Exercise</i> , 2002 , 34, 928-35	1.2	30
85	Sex differences in hemodynamic and sympathetic neural firing patterns during orthostatic challenge in humans. <i>Journal of Applied Physiology</i> , 2012 , 112, 1744-51	3.7	29
84	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
83	Assessment of sympathetic neural activity in chronic insomnia: evidence for elevated cardiovascular risk. <i>Sleep</i> , 2018 , 41,	1.1	27
82	Sympathetic neural reactivity to mental stress in humans: test-retest reproducibility. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015 , 309, R1380-6	3.2	27
81	The psychological and physiological effects of acute occupational stress in new anesthesiology residents: a pilot trial. <i>Anesthesiology</i> , 2014 , 121, 878-93	4.3	27
80	Fish oil and neurovascular reactivity to mental stress in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013 , 304, R523-30	3.2	27
79	Sex differences in sympathetic neural and limb vascular reactivity to mental stress in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 304, H436-43	5.2	27
78	Effects of oral contraceptives on sympathetic nerve activity during orthostatic stress in young, healthy women. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010 , 298, R9-R14	3.2	27
77	Attenuation of sympathetic baroreflex sensitivity during the onset of acute mental stress in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 300, H1788-93	5.2	26
76	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
75	Neurovascular responses to mental stress in prehypertensive humans. <i>Journal of Applied Physiology</i> , 2011 , 110, 76-82	3.7	25
74	Blended learning within an undergraduate exercise physiology laboratory. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2016 , 40, 64-9	1.9	22
73	Sleep efficiency and nocturnal hemodynamic dipping in young, normotensive adults. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014 , 307, R888-92	3.2	21

72	Influence of acute alcohol ingestion on sympathetic neural responses to orthostatic stress in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011 , 300, E771-8	6	21
71	Microneurography and sympathetic nerve activity: a decade-by-decade journey across 50 years. <i>Journal of Neurophysiology</i> , 2019 , 121, 1183-1194	3.2	19
70	Sympathetic neural responsiveness to sleep deprivation in older adults: sex differences. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 317, H315-H322	5.2	17
69	Sympathoexcitation and pressor responses induced by ethanol in the central nucleus of amygdala involves activation of NMDA receptors in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 307, H701-9	5.2	17
68	Total Sleep Deprivation and Pain Perception during Cold Noxious Stimuli in Humans. <i>Scandinavian Journal of Pain</i> , 2016 , 13, 12-16	1.9	15
67	Sympathetic neural reactivity to mental stress in offspring of hypertensive parents: 20 years revisited. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 311, H426-32	5.2	15
66	Combined heat and mental stress alters neurovascular control in humans. <i>Journal of Applied Physiology</i> , 2010 , 109, 1880-6	3.7	15
65	Human cerebrovascular and autonomic rhythms during vestibular activation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004 , 286, R838-43	3.2	15
64	Subjective and objective sleep differ in male and female collegiate athletes. <i>Sleep Health</i> , 2020 , 6, 623-628		15
63	Menstrual cycle elicits divergent forearm vascular responses to vestibular activation in humans. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2010 , 154, 89-93	2.4	14
62	Fish oil and neurovascular control in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 303, H450-6	5.2	14
61	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
60	Sympathetic neural responses to mental stress during acute simulated microgravity. <i>Journal of Applied Physiology</i> , 2009 , 107, 518-22	3.7	11
59	Positive airway pressure improves nocturnal beat-to-beat blood pressure surges in obesity hypoventilation syndrome with obstructive sleep apnea. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016 , 310, R602-11	3.2	11
58	Baroreflex sensitivity analysis: spontaneous methodology vs. Valsalva maneuver. <i>Clinical Autonomic Research</i> , 2013 , 23, 133-9	4.3	10
57	Effect of morphine on sympathetic nerve activity in humans. <i>Journal of Applied Physiology</i> , 2002 , 93, 1764-9	3.7	10
56	Social technology restriction alters state-anxiety but not autonomic activity in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011 , 301, R1773-8	3.2	8
55	Insomnia and cardiovascular autonomic control. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2019 , 220, 102551	2.4	7

54	Sympathetic neural reactivity to mental stress differs in black and non-Hispanic white adults. <i>Journal of Applied Physiology</i> , 2018 , 124, 201-207	3.7	7
53	Morning sympathetic activity after evening binge alcohol consumption. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 320, H305-H315	5.2	6
52	CORP: Standardizing methodology for assessing spontaneous baroreflex control of muscle sympathetic nerve activity in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 320, H762-H771	5.2	6
51	Sympathetic neural tone: large and in charge throughout pregnancy. <i>Journal of Physiology</i> , 2012 , 590, 3411-2	3.9	4
50	Cerebral Blood Flow Velocity During Combined Lower Body Negative Pressure and Cognitive Stress. <i>Aerospace Medicine and Human Performance</i> , 2015 , 86, 688-92	1.1	4
49	Commentaries on Point:Counterpoint: Investigators should/should not control for menstrual cycle phase when performing studies of vascular control. <i>Journal of Applied Physiology</i> , 2020 , 129, 1122-1135	3.7	4
48	Muscle sympathetic nerve activation during the Valsalva maneuver: interpretive and analytical caveats. <i>Aviation, Space, and Environmental Medicine</i> , 2003 , 74, 731-7		4
47	Testosterone and sympathetic nerve activity during pregnancy. <i>Hypertension</i> , 2013 , 61, e44	8.5	3
46	The effect of investigator gender on lateral tympanic membrane temperature. <i>Laterality</i> , 2011 , 16, 156-63		3
45	Effect of evening blue light blocking glasses on subjective and objective sleep in healthy adults: A randomized control trial. <i>Sleep Health</i> , 2021 , 7, 485-490	4	3
44	The 2-hour marathon: what do students think?. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2017 , 41, 522-525	1.9	2
43	Cardiovascular Disease in Women Across the Lifespan: The Importance of Sleep. <i>Journal of Womens Health</i> , 2020 , 29, 452-460	3	2
42	Response to roles of sex steroid hormones and nitric oxide in the regulation of sympathetic nerve activity in women. <i>Hypertension</i> , 2013 , 61, e37	8.5	2
41	Sympathetic neural responses to sleep disorders and insufficiencies.. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022 ,	5.2	2
40	Innovation and Entrepreneurship in Kinesiology: Survey Results from the 2016 AKA Workshop. <i>Kinesiology Review</i> , 2016 , 5, 205-214	2	2
39	Obstructive sleep apnea phenotypes and cardiovascular risk: Is there a role for heart rate variability in risk stratification?. <i>Sleep</i> , 2021 , 44,	1.1	2
38	Sex differences in blood pressure responsiveness to spontaneous K-complexes during stage II sleep. <i>Journal of Applied Physiology</i> , 2021 , 130, 491-497	3.7	2
37	Space physiology within an exercise physiology curriculum. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2013 , 37, 220-6	1.9	1

36	Effect of dimenhydrinate on autonomic activity in humans. <i>Clinical Autonomic Research</i> , 2007 , 17, 186-92.	4.3	1
35	Chronic Standing Desk Use and Arterial Stiffness. <i>Journal of Physical Activity and Health</i> , 2019 , 16, 1022-1028	3.8	1
34	Spontaneous Baroreflex Control of Muscle Sympathetic Nerve Activity in Humans: Standardizing Analysis Procedures. <i>FASEB Journal</i> , 2018 , 32, 595.8	0.9	1
33	Obesity and neural cardiovascular responses to mental stress in humans. <i>FASEB Journal</i> , 2015 , 29, 806.5	0.9	1
32	Influence of 24-hour sleep deprivation on anxiety and cardiovascular reactivity in humans. <i>FASEB Journal</i> , 2012 , 26, 684.15	0.9	1
31	Historical Loss: Implications for Health of American Indians in the Blackfeet Community. <i>Annals of Behavioral Medicine</i> , 2021 ,	4.5	1
30	Evening binge alcohol disrupts cardiovagal tone and baroreflex function during polysomnographic sleep. <i>Sleep</i> , 2021 , 44,	1.1	1
29	Promoting Quality Undergraduate Education in Kinesiology. <i>Kinesiology Review</i> , 2018 , 7, 277-278	2	1
28	Loneliness and sleep in the American Indian Blackfeet community. <i>Sleep Health</i> , 2021 , 7, 429-435	4	1
27	Covid-19 and changes in sleep health in the Blackfeet Community. <i>Sleep Medicine</i> , 2021 , 85, 87-93	4.6	1
26	Blunted heart rate recovery to spontaneous nocturnal arousals in short-sleeping adults. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 321, H558-H566	5.2	1
25	Sympathetic Neural Control in Humans with Anxiety-Related Disorders.. <i>Comprehensive Physiology</i> , 2021 , 12, 3085-3117	7.7	1
24	Influence of body mass index on neural cardiovascular reactivity to mental stress in humans. <i>FASEB Journal</i> , 2012 , 26, 1091.40	0.9	0
23	0069 Spectral Analyses of Slow Wave Sleep and Rapid Eye Movement Sleep are Associated with Changes in Continuous Nocturnal Blood Pressure. <i>Sleep</i> , 2019 , 42, A29-A29	1.1	
22	0220 Total Sleep Deprivation Decreases Cardiac Vagal Activity. <i>Sleep</i> , 2019 , 42, A90-A91	1.1	
21	Building Department Visibility and Support through Strategic Partnerships and Innovation. <i>Kinesiology Review</i> , 2016 , 5, 244-250	2	
20	Taking a sympathetic approach to post-traumatic stress disorder. <i>Journal of Physiology</i> , 2017 , 595, 4569-4570	4.5	
19	Role of the ovarian cycle on neural cardiovascular control in sleep-deprived women. <i>Journal of Applied Physiology</i> , 2015 , 118, 419-26	3.7	

18	Vestibulosympathetic reflex during the early follicular and mid-luteal phases of the menstrual cycle. <i>FASEB Journal</i> , 2008 , 22, 740.4	0.9
17	Sleep Deprivation and Sympathetic Neural Control in Older Adults. <i>FASEB Journal</i> , 2018 , 32, 730.5	0.9
16	Spectral Power of Slow Wave Sleep is Associated with Reductions of Nocturnal Blood Pressure in Humans. <i>FASEB Journal</i> , 2019 , 33, 558.7	0.9
15	Alpha Intrusion during Rapid Eye Movement (REM) Sleep Increases Blood Pressure. <i>FASEB Journal</i> , 2019 , 33, 558.6	0.9
14	A Healthy Administrative Triad: Hiring, Evaluating, and Retaining Kinesiology Faculty. <i>Kinesiology Review</i> , 2019 , 8, 281-282	2
13	Acute oral ingestion of alcohol modulates muscle sympathetic neural activity differently in Caucasians and African Americans. <i>FASEB Journal</i> , 2015 , 29, 652.15	0.9
12	Mental stress during acute loading of the baroreceptors. <i>FASEB Journal</i> , 2009 , 23, 786.9	0.9
11	Sympathetic neural responses to lower body negative pressure during early follicular and midluteal phases of the menstrual cycle. <i>FASEB Journal</i> , 2009 , 23, 786.5	0.9
10	Prehypertension alters arterial pressure and forearm vascular responses to mental stress in humans. <i>FASEB Journal</i> , 2010 , 24, 1020.8	0.9
9	Acute alcohol ingestion blunts arterial pressure but not sympathetic neural responses to orthostatic stress in humans. <i>FASEB Journal</i> , 2010 , 24, 1020.5	0.9
8	Menstrual cycle and sympathetic neural activity in humans: A retrospective study. <i>FASEB Journal</i> , 2012 , 26, 1091.41	0.9
7	Fish oil and sympathetic nerve activity in normotensive and prehypertensive humans. <i>FASEB Journal</i> , 2012 , 26, 1092.2	0.9
6	Sex differences in sympathetic neural responses to 24-hour sleep deprivation in humans. <i>FASEB Journal</i> , 2012 , 26, 893.12	0.9
5	Aerospace physiology within an exercise physiology curriculum. <i>FASEB Journal</i> , 2013 , 27, 517.15	0.9
4	The influence of combined lower body negative pressure and mental stress on cerebral blood flow in men and women. <i>FASEB Journal</i> , 2013 , 27, 1186.9	0.9
3	Sympathetic and cardiovagal baroreflex sensitivity in humans: Comparison of Valsalva maneuver and spontaneous methodologies. <i>FASEB Journal</i> , 2013 , 27, 1117.4	0.9
2	Fish oil and neurovascular reactivity to mental stress in humans. <i>FASEB Journal</i> , 2013 , 27, 1192.1	0.9
1	Sympathetic nerve activity and blood pressure: who leads, who follows and why sex matters. <i>Journal of Physiology</i> , 2016 , 594, 4705-6	3.9

