

Jian Cui

List of Publications by Year in descending order

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105
papers

2,060
citations

185998

28
h-index

243296

44
g-index

105
all docs

105
docs citations

105
times ranked

1324
citing authors

#	ARTICLE	IF	CITATIONS
1	Skin blood flow influences near-infrared spectroscopy-derived measurements of tissue oxygenation during heat stress. <i>Journal of Applied Physiology</i> , 2006, 100, 221-224.	1.2	151
2	Heat stress reduces cerebral blood velocity and markedly impairs orthostatic tolerance in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 291, R1443-R1448.	0.9	137
3	Muscle sympathetic nerve activity responses to dynamic passive muscle stretch in humans. <i>Journal of Physiology</i> , 2006, 576, 625-634.	1.3	107
4	Effects of Heat Stress on Thermoregulatory Responses in Congestive Heart Failure Patients. <i>Circulation</i> , 2005, 112, 2286-2292.	1.6	101
5	Baroreflex modulation of muscle sympathetic nerve activity during cold pressor test in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 282, H1717-H1723.	1.5	98
6	Oxidative stress contributes to the augmented exercise pressor reflex in peripheral arterial disease patients. <i>Journal of Physiology</i> , 2012, 590, 6237-6246.	1.3	93
7	Absence of arterial baroreflex modulation of skin sympathetic activity and sweat rate during whole-body heating in humans. <i>Journal of Physiology</i> , 2001, 536, 615-623.	1.3	86
8	Orthostatic challenge does not alter skin sympathetic nerve activity in heat-stressed humans. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2004, 116, 54-61.	1.4	57
9	Effects of muscle metabolites on responses of muscle sympathetic nerve activity to mechanoreceptor(s) stimulation in healthy humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R458-R466.	0.9	54
10	Effect of skin surface cooling on central venous pressure during orthostatic challenge. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H2429-H2433.	1.5	50
11	Baroreflex modulation of sympathetic nerve activity to muscle in heat-stressed humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002, 282, R252-R258.	0.9	49
12	Spectral characteristics of skin sympathetic nerve activity in heat-stressed humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H1601-H1609.	1.5	49
13	Endogenous nitric oxide attenuates neutrally mediated cutaneous vasoconstriction. <i>Journal of Physiology</i> , 2007, 585, 627-634.	1.3	46
14	Muscle sympathetic nerve activity during lower body negative pressure is accentuated in heat-stressed humans. <i>Journal of Applied Physiology</i> , 2004, 96, 2103-2108.	1.2	45
15	Dynamic cerebral autoregulation during passive heat stress in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R1598-R1605.	0.9	41
16	Phenylephrine-induced elevations in arterial blood pressure are attenuated in heat-stressed humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002, 283, R1221-R1226.	0.9	39
17	Impaired Cutaneous Vasodilation and Sweating in Grafted Skin During Whole-Body Heating. <i>Journal of Burn Care and Research</i> , 2007, 28, 427-434.	0.2	38
18	Sustained Impairments in Cutaneous Vasodilation and Sweating in Grafted Skin Following Long-Term Recovery. <i>Journal of Burn Care and Research</i> , 2009, 30, 675-685.	0.2	38

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19	Cardiovascular Responses to Heat Stress in Chronic Heart Failure. <i>Current Heart Failure Reports</i> , 2014, 11, 139-145.	1.3	38
20	Neurally mediated vasoconstriction is capable of decreasing skin blood flow during orthostasis in the heat-stressed human. <i>Journal of Physiology</i> , 2006, 575, 953-959.	1.3	37
21	Limb venous distension evokes sympathetic activation via stimulation of the limb afferents in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 303, H457-H463.	1.5	35
22	Spectral analysis of muscle sympathetic nerve activity in heat-stressed humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H1101-H1106.	1.5	33
23	Mean body temperature does not modulate eccrine sweat rate during upright tilt. <i>Journal of Applied Physiology</i> , 2005, 98, 1207-1212.	1.2	33
24	Renal vasoconstriction is augmented during exercise in patients with peripheral arterial disease. <i>Physiological Reports</i> , 2013, 1, e00154.	0.7	33
25	Chronic Heart Failure Does Not Attenuate the Total Activity of Sympathetic Outflow to Skin During Whole-Body Heating. <i>Circulation: Heart Failure</i> , 2013, 6, 271-278.	1.6	30
26	Age and sex differences in sympathetic and hemodynamic responses to hypoxia and cold pressor test. <i>Physiological Reports</i> , 2019, 7, e13988.	0.7	30
27	The role of the cyclooxygenase products in evoking sympathetic activation in exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H1861-H1868.	1.5	29
28	Skin Grafting Impairs Postsynaptic Cutaneous Vasodilator and Sweating Responses. <i>Journal of Burn Care and Research</i> , 2007, 28, 435-441.	0.2	29
29	Active recovery attenuates the fall in sweat rate but not cutaneous vascular conductance after supine exercise. <i>Journal of Applied Physiology</i> , 2004, 96, 668-673.	1.2	28
30	Human sympathetic outflows to skin and muscle target organs fluctuate concordantly over a wide range of time-varying frequencies. <i>Journal of Physiology</i> , 2012, 590, 363-375.	1.3	28
31	Effect of P2 receptor blockade with pyridoxine on sympathetic response to exercise pressor reflex in humans. <i>Journal of Physiology</i> , 2011, 589, 685-695.	1.3	27
32	Baroreflex control of muscle sympathetic nerve activity during skin surface cooling. <i>Journal of Applied Physiology</i> , 2007, 103, 1284-1289.	1.2	26
33	Cyclooxygenase inhibition attenuates sympathetic responses to muscle stretch in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H2693-H2700.	1.5	26
34	Sympathetic responses during saline infusion into the veins of an occluded limb. <i>Journal of Physiology</i> , 2009, 587, 3619-3627.	1.3	26
35	Heat stress attenuates the increase in arterial blood pressure during the cold pressor test. <i>Journal of Applied Physiology</i> , 2010, 109, 1354-1359.	1.2	26
36	Seasonal variation in muscle sympathetic nerve activity. <i>Physiological Reports</i> , 2015, 3, e12492.	0.7	26

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37	Exercise throughout 6° head-down tilt bed rest preserves thermoregulatory responses. <i>Journal of Applied Physiology</i> , 2003, 95, 1817-1823.	1.2	24
38	Sympathetic and cardiovascular responses to venous distension in an occluded limb. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 301, R1831-R1837.	0.9	23
39	Distension of central great vein decreases sympathetic outflow in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H378-H385.	1.5	20
40	Muscle sympathetic responses during orthostasis in heat-stressed individuals. <i>Clinical Autonomic Research</i> , 2011, 21, 381-387.	1.4	18
41	Local prostaglandin blockade attenuates muscle mechanoreflex-mediated renal vasoconstriction during muscle stretch in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H2184-H2190.	1.5	17
42	Effect of oxidative stress on sympathetic and renal vascular responses to ischemic exercise. <i>Physiological Reports</i> , 2013, 1, .	0.7	15
43	Whole body heat stress attenuates baroreflex control of muscle sympathetic nerve activity during postexercise muscle ischemia. <i>Journal of Applied Physiology</i> , 2009, 106, 1125-1131.	1.2	14
44	Muscle sympathetic nerve activity response to heat stress is attenuated in chronic heart failure patients. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017, 312, R873-R882.	0.9	12
45	Local adenosine receptor blockade accentuates the sympathetic responses to fatiguing exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H2130-H2137.	1.5	11
46	Systemic and regional hemodynamic response to activation of the exercise pressor reflex in patients with peripheral artery disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 318, H916-H924.	1.5	11
47	Nitric oxide synthase inhibition does not affect regulation of muscle sympathetic nerve activity during head-up tilt. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 285, H2105-H2110.	1.5	9
48	Sympathetic responses induced by radiofrequency catheter ablation of atrial fibrillation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H476-H484.	1.5	9
49	Cutaneous Vasoconstriction during Whole-Body and Local Cooling in Grafted Skin Five to Nine Months Postsurgery. <i>Journal of Burn Care and Research</i> , 2008, 29, 36-41.	0.2	8
50	Tactile stimulation of the oropharynx elicits sympathoexcitation in conscious humans. <i>Journal of Applied Physiology</i> , 2013, 115, 71-77.	1.2	7
51	Limb suction evoked during arterial occlusion causes systemic sympathetic activity in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R482-R488.	0.9	6
52	Whole body heat stress attenuates the pressure response to muscle metaboreceptor stimulation in humans. <i>Journal of Applied Physiology</i> , 2016, 121, 1178-1186.	1.2	6
53	Habitual cigarette smoking raises pressor responses to spontaneous bursts of muscle sympathetic nerve activity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 317, R280-R288.	0.9	5
54	Acute effects of sublingual nitroglycerin on cardiovagal and sympathetic baroreflex sensitivity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R525-R536.	0.9	4

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55	Sympathetic activation due to limb venous distension is preserved during muscle metaboreceptor stimulation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R21-R28.	0.9	3
56	The Baroreflex Control of Heart Rate is Impaired in Patients with Peripheral Arterial Disease. <i>FASEB Journal</i> , 2019, 33, 746.3.	0.2	3
57	Lower-limb venous distension reflex and orthostatic tolerance in young healthy humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 319, R142-R147.	0.9	2
58	Renal medullary oxygenation decreases with lower body negative pressure in healthy young adults. <i>Journal of Applied Physiology</i> , 2021, 130, 48-56.	1.2	2
59	Moderate whole body heating attenuates the exercise pressor reflex responses in older humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R757-R769.	0.9	2
60	Muscle Sympathetic Nerve Activity Responses to Exercise in Patients with Peripheral Artery Disease. <i>FASEB Journal</i> , 2021, 35, .	0.2	2
61	Repeated warm water baths decrease sympathetic activity in humans. <i>Journal of Applied Physiology</i> , 2022, 133, 234-245.	1.2	2
62	Commentary on Viewpoint: The human cutaneous circulation as a model of generalized microvascular function. <i>Journal of Applied Physiology</i> , 2008, 105, 386-386.	1.2	1
63	Purinergic P2X Receptors and Heightened Exercise Pressor Reflex in Peripheral Artery Disease. <i>Internal Medicine Review (Washington, D C: Online)</i> , 2016, 2, .	0.3	1
64	Negative pressure on an occluded limb induces sympathetic activation. <i>FASEB Journal</i> , 2012, 26, 1091.1.	0.2	1
65	Sympathetic response to fatiguing handgrip and muscle metaboreflex activation is attenuated in smokers compared to non-smokers. <i>FASEB Journal</i> , 2012, 26, 1087.10.	0.2	1
66	Autonomic Responses to Acute Hyperoxia are Impaired in Patients with Peripheral Artery Disease. <i>FASEB Journal</i> , 2022, 36, .	0.2	1
67	Baroreflex responses to limb venous distension in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 0, , .	0.9	1
68	Skin Sympathetic Nerve Activity Response to Heat Stress in Congestive Heart Failure. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 800.	0.2	0
69	Exercise Pressor Reflex is Attenuated during Moderate Whole-Body Heating in Older Humans. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
70	Interaction Between Baroreflex and Venous Distension Reflex in Healthy Humans. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
71	Hyperoxia Exaggerates Systolic Blood Pressure Response in Patients with Peripheral Arterial Disease. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
72	Sublingual Nitroglycerin Acutely Alters Cardiovagal and Sympathetic Baroreflex Sensitivity in Healthy Humans. <i>FASEB Journal</i> , 2021, 35, .	0.2	0

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73	Effects Of Repeated Warm Baths On Autonomic Control In Older Humans. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 345-346.	0.2	0
74	Mechanisms of cutaneous vasoconstriction during orthostasis in heat stressed individuals. <i>Japanese Journal of Physical Fitness and Sports Medicine</i> , 2006, 55, 20-20.	0.0	0
75	Muscle sympathetic nerve activity responses to dynamic passive muscle stretch.. <i>FASEB Journal</i> , 2006, 20, A768.	0.2	0
76	Endogenous NO decreases cutaneous vasoconstrictor responsiveness during lower-body negative pressure (LBNP) in the heat stressed individual. <i>FASEB Journal</i> , 2007, 21, A1298.	0.2	0
77	Cutaneous Vasodilation and Sweating In Grafted Skin During Heat Stress 5-9 Months Post-Surgery: A 1-Year Follow-up. <i>FASEB Journal</i> , 2007, 21, A1312.	0.2	0
78	Muscle metabolites accentuate muscle sympathetic nerve activity responses to passive muscle stretch. <i>FASEB Journal</i> , 2007, 21, A569.	0.2	0
79	Effects of local prostaglandin blockade on renal vasoconstriction during muscle stretch. <i>FASEB Journal</i> , 2007, 21, A568.	0.2	0
80	Heat stress attenuates increases in arterial blood pressure during a cold pressor test (CPT). <i>FASEB Journal</i> , 2007, 21, A563.	0.2	0
81	Effects of systemic hypoxia and lower body negative pressure on heart rate variability and transfer function gain in humans. <i>FASEB Journal</i> , 2007, 21, A564.	0.2	0
82	Heat stress decreases baroreflex sensitivity during muscle metaboreceptor stimulation. <i>FASEB Journal</i> , 2007, 21, A571.	0.2	0
83	Sustained Impairments In Cutaneous Vasodilation and Sweating In Grafted Skin During Whole-Body Heating. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, S437.	0.2	0
84	Dynamic Muscle Mechanoreceptor Stimulation Evokes Muscle Sympathetic Nerve Responses. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, S285.	0.2	0
85	Cyclooxygenase inhibition attenuates muscle sympathetic nerve responses to passive muscle stretch. <i>FASEB Journal</i> , 2008, 22, 957.5.	0.2	0
86	Adenosine receptor blockade accentuates the responses of muscle sympathetic nerve activity to fatiguing exercise. <i>FASEB Journal</i> , 2009, 23, 608.5.	0.2	0
87	P2X receptor blockade attenuates the sympathetic response to exercise in humans. <i>FASEB Journal</i> , 2010, 24, 807.5.	0.2	0
88	Intravenous ascorbic acid does not block the pressor or sympathetic nerve response to ischemic fatiguing rhythmic handgrip exercise. <i>FASEB Journal</i> , 2012, 26, 893.15.	0.2	0
89	Abstract 198: Oxidative Stress Mediates the Augmented Muscle Mechanoreflex in Peripheral Arterial Disease Patients. <i>Hypertension</i> , 2012, 60, .	1.3	0
90	Distension of central great vein decreases sympathetic outflow in humans. <i>FASEB Journal</i> , 2013, 27, 1118.6.	0.2	0

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91	Abstract 529: Muscle Sympathetic Nerve Activity is Higher in Winter than Other Seasons. Hypertension, 2013, 62, .	1.3	0
92	Increased pressure gradient across veins in human limbs induces sympathetic activation (1170.1). FASEB Journal, 2014, 28, 1170.1.	0.2	0
93	Whole-body Heat Stress Alters the Exercise Pressor Reflex in Humans. FASEB Journal, 2015, 29, 827.2.	0.2	0
94	Role of Adenosine Receptors in Evoking Venous Distension Reflex in Humans. FASEB Journal, 2015, 29, 649.4.	0.2	0
95	Blood Pressure Responses to Muscle Sympathetic Nerve Activity are Accentuated in Smokers. FASEB Journal, 2015, 29, 830.2.	0.2	0
96	Cyclooxygenase Inhibition Attenuates the Muscle Sympathetic Nerve Activity Responses to Venous Distension in Humans. FASEB Journal, 2015, 29, 649.5.	0.2	0
97	Renal Medullary Oxygenation Decreases in a Dose-dependent Manner with Graded Lower Body Negative Pressure in Healthy Young Adults. FASEB Journal, 2018, 32, 621.9.	0.2	0
98	Autonomic Responses during Atrial Fibrillation Ablation. FASEB Journal, 2018, 32, 596.2.	0.2	0
99	Abstract 721: The Exercise Pressor Response to Lower Extremity Dynamic Exercise is Accompanied by an Abnormal Change in Total Peripheral Resistance in Peripheral Arterial Disease Subjects. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, .	1.1	0
100	Hemodynamic Response to Activation of the Exercise Pressor Reflex during Dynamic Plantar Flexion in Peripheral Arterial Disease Patients. FASEB Journal, 2019, 33, 540.1.	0.2	0
101	Diastolic Function at Rest and During Handgrip is Impaired in Patients with Peripheral Arterial Disease. FASEB Journal, 2019, 33, 828.6.	0.2	0
102	Sympathetic Activation to Limb Venous Distension is Preserved during Muscle Metaboreceptor Stimulation. FASEB Journal, 2020, 34, 1-1.	0.2	0
103	Reliability of Skin Blood Flow Measurement with Multiple Laser Doppler Probes. FASEB Journal, 2020, 34, 1-1.	0.2	0
104	Muscle Temperature During Exercise Under Whole-body Heating And Limb Heating Conditions. Medicine and Science in Sports and Exercise, 2020, 52, 971-971.	0.2	0
105	Different Relationship Between Glycemic Status and Autonomic Function in Patients with Type 2 Diabetes Mellitus and in Healthy Controls. FASEB Journal, 2022, 36, .	0.2	0