

Thad E Wilson

List of Publications by Year in descending order

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97
papers

3,702
citations

117625

34
h-index

138484

58
g-index

100
all docs

100
docs citations

100
times ranked

2708
citing authors

#	ARTICLE	IF	CITATIONS
1	Autonomic Neural Control of Dynamic Cerebral Autoregulation in Humans. <i>Circulation</i> , 2002, 106, 1814-1820.	1.6	398
2	Neural control and mechanisms of eccrine sweating during heat stress and exercise. <i>Journal of Applied Physiology</i> , 2006, 100, 1692-1701.	2.5	240
3	Effects of passive heating on central blood volume and ventricular dimensions in humans. <i>Journal of Physiology</i> , 2008, 586, 293-301.	2.9	147
4	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.	1.8	137
5	Thermoregulation in multiple sclerosis. <i>Journal of Applied Physiology</i> , 2010, 109, 1531-1537.	2.5	133
6	Human Cardiovascular Responses to Passive Heat Stress. , 2015, 5, 17-43.		129
7	Skin cooling maintains cerebral blood flow velocity and orthostatic tolerance during tilting in heated humans. <i>Journal of Applied Physiology</i> , 2002, 93, 85-91.	2.5	115
8	Skin-surface cooling elicits peripheral and visceral vasoconstriction in humans. <i>Journal of Applied Physiology</i> , 2007, 103, 1257-1262.	2.5	102
9	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.	3.2	98
10	Effect of thermal stress on Frankâ€™Starling relations in humans. <i>Journal of Physiology</i> , 2009, 587, 3383-3392.	2.9	93
11	Agging affects the cardiovascular responses to cold stress in humans. <i>Journal of Applied Physiology</i> , 2009, 107, 1076-1082.	2.5	88
12	Effect of Thermal Stress on Cardiac Function. <i>Exercise and Sport Sciences Reviews</i> , 2011, 39, 12-17.	3.0	88
13	Absence of arterial baroreflex modulation of skin sympathetic activity and sweat rate during wholeâ€™body heating in humans. <i>Journal of Physiology</i> , 2001, 536, 615-623.	2.9	86
14	Acetylcholine released from cholinergic nerves contributes to cutaneous vasodilation during heat stress. <i>Journal of Applied Physiology</i> , 2002, 93, 1947-1951.	2.5	80
15	Baroreflex modulation of muscle sympathetic nerve activity during posthandgrip muscle ischemia in humans. <i>Journal of Applied Physiology</i> , 2001, 91, 1679-1686.	2.5	78
16	Effect of whole-body and local heating on cutaneous vasoconstrictor responses in humans. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2002, 97, 122-128.	2.8	77
17	Effects of heat and cold stress on central vascular pressure relationships during orthostasis in humans. <i>Journal of Physiology</i> , 2007, 585, 279-285.	2.9	65
18	Orthostatic challenge does not alter skin sympathetic nerve activity in heat-stressed humans. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2004, 116, 54-61.	2.8	57

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19	Mechanisms of orthostatic intolerance during heat stress. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2016, 196, 37-46.	2.8	54
20	Insufficient cutaneous vasoconstriction leading up to and during syncopal symptoms in the heat stressed human. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H1168-H1173.	3.2	53
21	Modelflow underestimates cardiac output in heat-stressed individuals. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R486-R491.	1.8	53
22	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.	1.8	49
23	Omega-3 Fatty Acid Supplementation Augments Sympathetic Nerve Activity Responses to Physiological Stressors in Humans. <i>Hypertension</i> , 2004, 44, 732-738.	2.7	49
24	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.	3.2	49
25	Pilocarpine-induced sweat gland function in individuals with multiple sclerosis. <i>Journal of Applied Physiology</i> , 2005, 98, 1740-1744.	2.5	46
26	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.	2.5	45
27	Dynamic autoregulation of cutaneous circulation: differential control in glabrous versus nonglabrous skin. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H385-H391.	3.2	45
28	Inhibition of nitric oxide synthase does not alter dynamic cerebral autoregulation in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H863-H869.	3.2	44
29	Effect of aging on cardiac function during cold stress in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R1627-R1633.	1.8	44
30	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.	1.8	39
31	Heat exhaustion. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2018, 157, 505-529.	1.8	39
32	Effects of mode of exercise recovery on thermoregulatory and cardiovascular responses. <i>Journal of Applied Physiology</i> , 2002, 93, 1918-1924.	2.5	38
33	Thermal regulatory responses to submaximal cycling following lower-body cooling in humans. <i>European Journal of Applied Physiology</i> , 2002, 88, 67-75.	2.5	38
34	Effect of volume loading on the Frank-Starling relation during reductions in central blood volume in heat-stressed humans. <i>Journal of Physiology</i> , 2010, 588, 3333-3339.	2.9	38
35	Altered coronary vascular control during cold stress in healthy older adults. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H312-H318.	3.2	38
36	Extracellular calcium chelation and attenuation of calcium entry decrease <i>in vivo</i> cholinergic-induced eccrine sweating sensitivity in humans. <i>Experimental Physiology</i> , 2014, 99, 393-402.	2.0	35

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37	Metabolic, thermoregulatory, and perceptual responses during exercise after lower vs. whole body precooling. <i>Journal of Applied Physiology</i> , 2003, 94, 1039-1044.	2.5	33
38	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.	3.2	33
39	Mean body temperature does not modulate eccrine sweat rate during upright tilt. <i>Journal of Applied Physiology</i> , 2005, 98, 1207-1212.	2.5	33
40	Augmented supraorbital skin sympathetic nerve activity responses to symptom trigger events in rosacea patients. <i>Journal of Neurophysiology</i> , 2015, 114, 1530-1537.	1.8	32
41	Effects of persistent Mal de débarquement syndrome on balance, psychological traits, and motor cortex excitability. <i>Journal of Clinical Neuroscience</i> , 2013, 20, 446-450.	1.5	31
42	Effects of heat stress on baroreflex function in humans. <i>Acta Physiologica Scandinavica</i> , 2003, 177, 321-328.	2.2	29
43	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-R1234.	1.8	29
44	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.	2.5	28
45	Pharmacological curve fitting to analyze cutaneous adrenergic responses. <i>Journal of Applied Physiology</i> , 2011, 111, 1703-1709.	2.5	26
46	Evidence of a myogenic response in vasomotor control of forearm and palm cutaneous microcirculations. <i>Journal of Applied Physiology</i> , 2004, 97, 535-539.	2.5	25
47	Effects of 14 days of head-down tilt bed rest on cutaneous vasoconstrictor responses in humans. <i>Journal of Applied Physiology</i> , 2003, 94, 2113-2118.	2.5	24
48	Exercise throughout 6° head-down tilt bed rest preserves thermoregulatory responses. <i>Journal of Applied Physiology</i> , 2003, 95, 1817-1823.	2.5	24
49	Colloid volume loading does not mitigate decreases in central blood volume during simulated haemorrhage while heat stressed. <i>Journal of Physiology</i> , 2012, 590, 1287-1297.	2.9	24
50	Effect of local heating and vasodilation on the cutaneous venoarteriolar response. <i>Clinical Autonomic Research</i> , 2004, 14, 385-390.	2.5	23
51	Comparison of skin sympathetic nerve responses to isometric arm and leg exercise. <i>Journal of Applied Physiology</i> , 2004, 97, 160-164.	2.5	19
52	Differential vasodilatory responses to local heating in facial, glabrous and hairy skin. <i>Clinical Physiology and Functional Imaging</i> , 2012, 32, 361-366.	1.2	19
53	Renal sympathetic nerve, blood flow, and epithelial transport responses to thermal stress. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2017, 204, 25-34.	2.8	18
54	Men and women exhibit a similar time to task failure for a sustained, submaximal elbow extensor contraction. <i>European Journal of Applied Physiology</i> , 2010, 108, 1089-1098.	2.5	17

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55	Acute volume expansion attenuates hyperthermia-induced reductions in cerebral perfusion during simulated hemorrhage. <i>Journal of Applied Physiology</i> , 2013, 114, 1730-1735.	2.5	17
56	Sweating chloride bullets: understanding the role of calcium in eccrine sweat glands and possible implications for hyperhidrosis. <i>Experimental Dermatology</i> , 2015, 24, 177-178.	2.9	17
57	Determinants of skin sympathetic nerve responses to isometric exercise. <i>Journal of Applied Physiology</i> , 2006, 100, 1043-1048.	2.5	16
58	Acupuncture attenuates exercise-induced increases in skin sympathetic nerve activity. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2011, 162, 84-88.	2.8	16
59	Beneficial effects of elevating cardiac preload on left-ventricular diastolic function and volume during heat stress: implications toward tolerance during a hemorrhagic insult. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R1036-R1041.	1.8	15
60	Thermoregulatory dysfunction in multiple sclerosis. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2018, 157, 701-714.	1.8	15
61	Vestibular activation does not influence skin sympathetic nerve responses during whole body heating. <i>Journal of Applied Physiology</i> , 2004, 97, 540-544.	2.5	13
62	Aerobic Training Improves In Vivo Cholinergic Responsiveness but Not Sensitivity of Eccrine Sweat Glands. <i>Journal of Investigative Dermatology</i> , 2010, 130, 2328-2330.	0.7	13
63	Age- and limb-related differences in the vasoconstrictor response to limb dependency are not mediated by a sympathetic mechanism in humans. <i>Acta Physiologica</i> , 2012, 205, 372-380.	3.8	13
64	Does nitric oxide buffer arterial blood pressure variability in humans?. <i>Journal of Applied Physiology</i> , 2002, 93, 1466-1470.	2.5	10
65	Using thermal stress to model aspects of disease states. <i>Journal of Thermal Biology</i> , 2014, 43, 24-32.	2.5	10
66	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.	3.2	9
67	Effect of temperature on isoproterenol-induced increases in left ventricular developed pressure. <i>Journal of Thermal Biology</i> , 2013, 38, 369-373.	2.5	8
68	Topical anaesthesia does not affect cutaneous vasomotor or sudomotor responses in human skin. <i>Autonomic and Autacoid Pharmacology</i> , 2013, 33, 25-33.	0.5	8
69	Effect of thermal stress on the vestibulosympathetic reflexes in humans. <i>Journal of Applied Physiology</i> , 2004, 97, 1367-1370.	2.5	7
70	Mechanisms and modulators of temperature regulation. <i>Journal of Applied Physiology</i> , 2010, 109, 1219-1220.	2.5	7
71	Use of Beat-to-Beat Cardiovascular Variability Data to Determine the Validity of Sham Therapy as the Placebo Control in Osteopathic Manipulative Medicine Research. <i>Journal of Osteopathic Medicine</i> , 2014, 114, 860-866.	0.8	7
72	Impact of calcium regulation on eccrine sweating and sweating disorders: the view from cells to glands to intact human skin. <i>Experimental Physiology</i> , 2016, 101, 345-346.	2.0	6

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73	Skin tattooing impairs sweating during passive whole body heating. <i>Journal of Applied Physiology</i> , 2020, 129, 1033-1038.	2.5	6
74	Effect of Suboccipital Release on Pain Perception and Autonomic Reflex Responses to Ischemic and Cold Pain. <i>Pain Medicine</i> , 2020, 21, 3024-3033.	1.9	6
75	Passive-heat stress does not induce muscle fatigue, central activation failure or changes in intracortical properties of wrist flexors. <i>Ergonomics</i> , 2011, 54, 565-575.	2.1	2
76	Role of Bradykinin Type 2 Receptors in Human Sweat Secretion: Translational Evidence Does Not Support a Functional Relationship. <i>Skin Pharmacology and Physiology</i> , 2021, 34, 162-166.	2.5	2
77	Effect of sensory blockade and rate of sensory stimulation on local heating induced axon reflex response in facial skin. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2021, 233, 102809.	2.8	1
78	Augmented supraorbital skin sympathetic nerve activity responses to symptom trigger events in rosacea patients. <i>FASEB Journal</i> , 2012, 26, 1092.10.	0.5	1
79	Opportunistic physiology: inserting physiology and pathophysiology content into virtually delivered clinical rotations. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2020, 44, 545-549.	1.6	1
80	Effect of muscle strength on VO ₂ plateau occurrence rate. <i>Isokinetics and Exercise Science</i> , 2008, 16, 231-237.	0.4	0
81	Sweating the details: what really drives eccrine output during exercise heat stress. <i>Journal of Physiology</i> , 2013, 591, 2777-2777.	2.9	0
82	Sympathoexcitation causes differing responses in supraorbital vs. peripheral skin nerves: implications for rosacea. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
83	Gastrointestinal jabberwocky to bioengineering design: using function diagrams to teach physiology. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2021, 45, 264-268.	1.6	0
84	Skin surface cooling increases left ventricular preload but not contractility in older humans. <i>FASEB Journal</i> , 2009, 23, 788.11.	0.5	0
85	Mild skin surface cooling does not increase arterial stiffness in humans. <i>FASEB Journal</i> , 2009, 23, 788.10.	0.5	0
86	Aerobic exercise training increases maximal in vivo cholinergic responsiveness but not sensitivity of eccrine sweat glands. <i>FASEB Journal</i> , 2009, 23, 788.8.	0.5	0
87	Impaired coronary artery vasodilation during skin surface cooling in healthy older adults. <i>FASEB Journal</i> , 2010, 24, 991.31.	0.5	0
88	Age and limb related differences in the vascular response to limb dependency in humans. <i>FASEB Journal</i> , 2010, 24, 1039.8.	0.5	0
89	Colloid volume loading does not mitigate thorax, heart, and liver blood volume changes during combined heat and orthostatic stress. <i>FASEB Journal</i> , 2011, 25, 1053.3.	0.5	0
90	Adrenergic agonists do not modify in vivo cholinergic eccrine sweating dose response relations. <i>FASEB Journal</i> , 2013, 27, 1201.11.	0.5	0

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91	Autonomic Reflexes May Contribute to the Symptomatology of Mal de Debarquement Syndrome. FASEB Journal, 2013, 27, 1118.40.	0.5	0
92	Effect of suboccipital release on steady-state and dynamic oscillatory features of the cardiovascular system (1170.7). FASEB Journal, 2014, 28, 1170.7.	0.5	0
93	Effect of reflex and mechanical decreases in skin blood flow on exogenous cholinergic-induced eccrine sweating in humans. FASEB Journal, 2018, 32, 590.3.	0.5	0
94	Does electrodermal activity track capacitance hygrometry derived sweat rate during steady-state and transient cholinergic-induced sweating?. FASEB Journal, 2018, 32, 590.2.	0.5	0
95	Effect of decreasing peripheral skin blood flow via local axon reflexes, decreases in perfusion pressure, and ischemia during systemic thermal-induced eccrine sweating in humans. FASEB Journal, 2018, 32, 590.4.	0.5	0
96	Histamine receptor antagonists have the capacity to alter in vivo human sweating: implications for hypohidrosis. FASEB Journal, 2019, 33, 842.11.	0.5	0
97	Imaginative and colorful elaboration affects views and comments for recorded video in acid-base physiology. FASEB Journal, 2022, 36, .	0.5	0