Thad E Wilson

List of Publications by Year
in descending order

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97 papers	3,702 citations	134610 34 h-index	156644 58 g-index
100 all docs	100 docs citations	100 times ranked	2957 citing authors

#	Article	IF	Citations
1	Imaginative and colorful elaboration affects views and comments for recorded video in acidâ€base physiology. FASEB Journal, 2022, 36, .	0.2	0
2	Role of Bradykinin Type 2 Receptors in Human Sweat Secretion: Translational Evidence Does Not Support a Functional Relationship. Skin Pharmacology and Physiology, 2021, 34, 162-166.	1.1	2
3	Sympathoexcitation causes differing responses in supraorbital vs. peripheral skin nerves: implications for rosacea. FASEB Journal, 2021, 35, .	0.2	0
4	Gastrointestinal jabberwocky to bioengineering design: using function diagrams to teach physiology. American Journal of Physiology - Advances in Physiology Education, 2021, 45, 264-268.	0.8	0
5	Effect of sensory blockade and rate of sensory stimulation on local heating induced axon reflex response in facial skin. Autonomic Neuroscience: Basic and Clinical, 2021, 233, 102809.	1.4	1
6	Skin tattooing impairs sweating during passive whole body heating. Journal of Applied Physiology, 2020, 129, 1033-1038.	1.2	6
7	Effect of Suboccipital Release on Pain Perception and Autonomic Reflex Responses to Ischemic and Cold Pain. Pain Medicine, 2020, 21, 3024-3033.	0.9	6
8	Opportunistic physiology: inserting physiology and pathophysiology content into virtually delivered clinical rotations. American Journal of Physiology - Advances in Physiology Education, 2020, 44, 545-549.	0.8	1
9	Histamine receptor antagonists have the capacity to alter in vivo human sweating: implications for hypohidrosis. FASEB Journal, 2019, 33, 842.11.	0.2	0
10	Heat exhaustion. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 157, 505-529.	1.0	39
11	Thermoregulatory dysfunction in multiple sclerosis. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 157, 701-714.	1.0	15
12	Effect of reflex and mechanical decreases in skin blood flow on exogenous cholinergicâ€induced eccrine sweating in humans. FASEB Journal, 2018, 32, 590.3.	0.2	0
13	Does electrodermal activity track capacitance hygrometry derived sweat rate during steadyâ€state and transient cholinergicâ€induced sweating?. FASEB Journal, 2018, 32, 590.2.	0.2	0
14	Effect of decreasing peripheral skin blood flow via local axon reflexes, decreases in perfusion pressure, and ischemia during systemic thermalâ€induced eccrine sweating in humans. FASEB Journal, 2018, 32, 590.4.	0.2	0
15	Renal sympathetic nerve, blood flow, and epithelial transport responses to thermal stress. Autonomic Neuroscience: Basic and Clinical, 2017, 204, 25-34.	1.4	18
16	Mechanisms of orthostatic intolerance during heat stress. Autonomic Neuroscience: Basic and Clinical, 2016, 196, 37-46.	1.4	54
17	Impact of calcium regulation on eccrine sweating and sweating disorders: the view from cells to glands to intact human skin. Experimental Physiology, 2016, 101, 345-346.	0.9	6
18	Human Cardiovascular Responses to Passive Heat Stress. , 2015, 5, 17-43.		129

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19	Sweating chloride bullets: understanding the role of calcium in eccrine sweat glands and possible implications for hyperhidrosis. Experimental Dermatology, 2015, 24, 177-178.	1.4	17
20	Augmented supraorbital skin sympathetic nerve activity responses to symptom trigger events in rosacea patients. Journal of Neurophysiology, 2015, 114, 1530-1537.	0.9	32
21	Beneficial effects of elevating cardiac preload on left-ventricular diastolic function and volume during heat stress: implications toward tolerance during a hemorrhagic insult. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R1036-R1041.	0.9	15
22	Extracellular calcium chelation and attenuation of calcium entry decrease in vivo cholinergicâ€induced eccrine sweating sensitivity in humans. Experimental Physiology, 2014, 99, 393-402.	0.9	35
23	Use of Beat-to-Beat Cardiovascular Variability Data to Determine the Validity of Sham Therapy as the Placebo Control in Osteopathic Manipulative Medicine Research. Journal of Osteopathic Medicine, 2014, 114, 860-866.	0.4	7
24	Using thermal stress to model aspects of disease states. Journal of Thermal Biology, 2014, 43, 24-32.	1.1	10
25	Effect of subâ€occipital release on steadyâ€state and dynamic oscillatory features of the cardiovascular system (1170.7). FASEB Journal, 2014, 28, 1170.7.	0.2	0
26	Effects of persistent Mal de debarquement syndrome on balance, psychological traits, and motor cortex exctiability. Journal of Clinical Neuroscience, 2013, 20, 446-450.	0.8	31
27	Sweating the details: what really drives eccrine output during exerciseâ€heat stress. Journal of Physiology, 2013, 591, 2777-2777.	1.3	0
28	Effect of temperature on isoproterenol-induced increases in left ventricular developed pressure. Journal of Thermal Biology, 2013, 38, 369-373.	1.1	8
29	Topical anaesthesia does not affect cutaneous vasomotor or sudomotor responses in human skin. Autonomic and Autacoid Pharmacology, 2013, 33, 25-33.	0.5	8
30	Acute volume expansion attenuates hyperthermia-induced reductions in cerebral perfusion during simulated hemorrhage. Journal of Applied Physiology, 2013, 114, 1730-1735.	1.2	17
31	Adrenergic agonists do not modify in vivo cholinergic eccrine sweating doseâ€response relations. FASEB Journal, 2013, 27, 1201.11.	0.2	0
32	Autonomic Reflexes May Contribute to the Symptomatology of Mal de Debarquement Syndrome. FASEB Journal, 2013, 27, 1118.40.	0.2	0
33	Altered coronary vascular control during cold stress in healthy older adults. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H312-H318.	1.5	38
34	Differential vasodilatory responses to local heating in facial, glabrous and hairy skin. Clinical Physiology and Functional Imaging, 2012, 32, 361-366.	0.5	19
35	Colloid volume loading does not mitigate decreases in central blood volume during simulated haemorrhage while heat stressed. Journal of Physiology, 2012, 590, 1287-1297.	1.3	24
36	Ageâ€and limbâ€related differences in the vasoconstrictor response to limb dependency are not mediated by a sympathetic mechanism in humans. Acta Physiologica, 2012, 205, 372-380.	1.8	13

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37	Augmented supraorbital skin sympathetic nerve activity responses to symptom trigger events in rosacea patients. FASEB Journal, 2012, 26, 1092.10.	0.2	1
38	Passive-heat stress does not induce muscle fatigue, central activation failure or changes in intracortical properties of wrist flexors. Ergonomics, 2011, 54, 565-575.	1.1	2
39	Acupuncture attenuates exercise-induced increases in skin sympathetic nerve activity. Autonomic Neuroscience: Basic and Clinical, 2011, 162, 84-88.	1.4	16
40	Pharmacological curve fitting to analyze cutaneous adrenergic responses. Journal of Applied Physiology, 2011, 111, 1703-1709.	1.2	26
41	Effect of Thermal Stress on Cardiac Function. Exercise and Sport Sciences Reviews, 2011, 39, 12-17.	1.6	88
42	Modelflow underestimates cardiac output in heat-stressed individuals. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R486-R491.	0.9	53
43	Colloid volume loading does not mitigate thorax, heart, and liver blood volume changes during combined heat and orthostatic stress. FASEB Journal, 2011, 25, 1053.3.	0.2	0
44	Men and women exhibit a similar time to task failure for a sustained, submaximal elbow extensor contraction. European Journal of Applied Physiology, 2010, 108, 1089-1098.	1.2	17
45	Effect of volume loading on the Frank-Starling relation during reductions in central blood volume in heat-stressed humans. Journal of Physiology, 2010, 588, 3333-3339.	1.3	38
46	Mechanisms and modulators of temperature regulation. Journal of Applied Physiology, 2010, 109, 1219-1220.	1.2	7
47	Thermoregulation in multiple sclerosis. Journal of Applied Physiology, 2010, 109, 1531-1537.	1.2	133
48	Effect of aging on cardiac function during cold stress in humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R1627-R1633.	0.9	44
49	Insufficient cutaneous vasoconstriction leading up to and during syncopal symptoms in the heat stressed human. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H1168-H1173.	1.5	53
50	Aerobic Training Improves In Vivo Cholinergic Responsiveness but Not Sensitivity of Eccrine Sweat Glands. Journal of Investigative Dermatology, 2010, 130, 2328-2330.	0.3	13
51	Impaired coronary artery vasodilation during skin surface cooling in healthy older adults. FASEB Journal, 2010, 24, 991.31.	0.2	0
52	Ageâ€•and limbâ€•related differences in the vascular response to limb dependency in humans. FASEB Journal, 2010, 24, 1039.8.	0.2	0
53	Aging affects the cardiovascular responses to cold stress in humans. Journal of Applied Physiology, 2009, 107, 1076-1082.	1.2	88
54	Effect of thermal stress on Frankâ€“Starling relations in humans. Journal of Physiology, 2009, 587, 3383-3392.	1.3	93

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55	Skinâ€surface cooling increases leftâ€ventricular preload but not contractility in older humans. FASEB Journal, 2009, 23, 788.11.	0.2	0
56	Mild skin surface cooling does not increase arterial stiffness in humans. FASEB Journal, 2009, 23, 788.10.	0.2	0
57	Aerobic exercise training increases maximal in vivo cholinergic responsiveness but not sensitivity of eccrine sweat glands. FASEB Journal, 2009, 23, 788.8.	0.2	0
58	Effects of passive heating on central blood volume and ventricular dimensions in humans. Journal of Physiology, 2008, 586, 293-301.	1.3	147
59	Effect of muscle strength on VO _{2} plateau occurrence rate. Isokinetics and Exercise Science, 2008, 16, 231-237.	0.2	0
60	Skin-surface cooling elicits peripheral and visceral vasoconstriction in humans. Journal of Applied Physiology, 2007, 103, 1257-1262.	1.2	102
61	Effects of heat and cold stress on central vascular pressure relationships during orthostasis in humans. Journal of Physiology, 2007, 585, 279-285.	1.3	65
62	Determinants of skin sympathetic nerve responses to isometric exercise. Journal of Applied Physiology, 2006, 100, 1043-1048.	1.2	16
63	Spectral characteristics of skin sympathetic nerve activity in heat-stressed humans. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H1601-H1609.	1.5	49
64	Heat stress reduces cerebral blood velocity and markedly impairs orthostatic tolerance in humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 291, R1443-R1448.	0.9	137
65	Neural control and mechanisms of eccrine sweating during heat stress and exercise. Journal of Applied Physiology, 2006, 100, 1692-1701.	1.2	240
66	Pilocarpine-induced sweat gland function in individuals with multiple sclerosis. Journal of Applied Physiology, 2005, 98, 1740-1744.	1.2	46
67	Mean body temperature does not modulate eccrine sweat rate during upright tilt. Journal of Applied Physiology, 2005, 98, 1207-1212.	1.2	33
68	Dynamic autoregulation of cutaneous circulation: differential control in glabrous versus nonglabrous skin. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H385-H391.	1.5	45
69	Vestibular activation does not influence skin sympathetic nerve responses during whole body heating. Journal of Applied Physiology, 2004, 97, 540-544.	1.2	13
70	Spectral analysis of muscle sympathetic nerve activity in heat-stressed humans. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H1101-H1106.	1.5	33
71	Evidence of a myogenic response in vasomotor control of forearm and palm cutaneous microcirculations. Journal of Applied Physiology, 2004, 97, 535-539.	1.2	25
72	Comparison of skin sympathetic nerve responses to isometric arm and leg exercise. Journal of Applied Physiology, 2004, 97, 160-164.	1.2	19

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73	Omega-3 Fatty Acid Supplementation Augments Sympathetic Nerve Activity Responses to Physiological Stressors in Humans. Hypertension, 2004, 44, 732-738.	1.3	49
74	Active recovery attenuates the fall in sweat rate but not cutaneous vascular conductance after supine exercise. Journal of Applied Physiology, 2004, 96, 668-673.	1.2	28
75	Effect of age on cutaneous vasoconstrictor responses to norepinephrine in humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 287, R1230-R1234.	0.9	29
76	Effect of local heating and vasodilation on the cutaneous venoarteriolar response. Clinical Autonomic Research, 2004, 14, 385-390.	1.4	23
77	Orthostatic challenge does not alter skin sympathetic nerve activity in heat-stressed humans. Autonomic Neuroscience: Basic and Clinical, 2004, 116, 54-61.	1.4	57
78	Inhibition of nitric oxide synthase does not alter dynamic cerebral autoregulation in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H863-H869.	1.5	44
79	Effect of thermal stress on the vestibulosympathetic reflexes in humans. Journal of Applied Physiology, 2004, 97, 1367-1370.	1.2	7
80	Muscle sympathetic nerve activity during lower body negative pressure is accentuated in heat-stressed humans. Journal of Applied Physiology, 2004, 96, 2103-2108.	1.2	45
81	Effects of heat stress on baroreflex function in humans. Acta Physiologica Scandinavica, 2003, 177, 321-328.	2.3	29
82	Metabolic, thermoregulatory, and perceptual responses during exercise after lower vs. whole body precooling. Journal of Applied Physiology, 2003, 94, 1039-1044.	1.2	33
83	Effects of 14 days of head-down tilt bed rest on cutaneous vasoconstrictor responses in humans. Journal of Applied Physiology, 2003, 94, 2113-2118.	1.2	24
84	Exercise throughout 6Â° head-down tilt bed rest preserves thermoregulatory responses. Journal of Applied Physiology, 2003, 95, 1817-1823.	1.2	24
85	Nitric oxide synthase inhibition does not affect regulation of muscle sympathetic nerve activity during head-up tilt. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H2105-H2110.	1.5	9
86	Autonomic Neural Control of Dynamic Cerebral Autoregulation in Humans. Circulation, 2002, 106, 1814-1820.	1.6	398
87	Effect of whole-body and local heating on cutaneous vasoconstrictor responses in humans. Autonomic Neuroscience: Basic and Clinical, 2002, 97, 122-128.	1.4	77
88	Phenylephrine-induced elevations in arterial blood pressure are attenuated in heat-stressed humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2002, 283, R1221-R1226.	0.9	39
89	Effects of mode of exercise recovery on thermoregulatory and cardiovascular responses. Journal of Applied Physiology, 2002, 93, 1918-1924.	1.2	38
90	Does nitric oxide buffer arterial blood pressure variability in humans?. Journal of Applied Physiology, 2002, 93, 1466-1470.	1.2	10

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91	Acetylcholine released from cholinergic nerves contributes to cutaneous vasodilation during heat stress. Journal of Applied Physiology, 2002, 93, 1947-1951.	1.2	80
92	Baroreflex modulation of sympathetic nerve activity to muscle in heat-stressed humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2002, 282, R252-R258.	0.9	49
93	Baroreflex modulation of muscle sympathetic nerve activity during cold pressor test in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 282, H1717-H1723.	1.5	98
94	Skin cooling maintains cerebral blood flow velocity and orthostatic tolerance during tilting in heated humans. Journal of Applied Physiology, 2002, 93, 85-91.	1.2	115
95	Thermal regulatory responses to submaximal cycling following lower-body cooling in humans. European Journal of Applied Physiology, 2002, 88, 67-75.	1.2	38
96	Baroreflex modulation of muscle sympathetic nerve activity during posthandgrip muscle ischemia in humans. Journal of Applied Physiology, 2001, 91, 1679-1686.	1.2	78
97	Absence of arterial baroreflex modulation of skin sympathetic activity and sweat rate during wholeâ€body heating in humans. Journal of Physiology, 2001, 536, 615-623.	1.3	86