

Nigel A S Taylor

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

2,146
citations

331670

21
h-index

265206

42
g-index

57
all docs

57
docs citations

57
times ranked

1762
citing authors

#	ARTICLE	IF	CITATIONS
1	Considerations for the measurement of core, skin and mean body temperatures. <i>Journal of Thermal Biology</i> , 2014, 46, 72-101.	2.5	298
2	Human Heat Adaptation. , 2014, 4, 325-365.		268
3	The distribution of cutaneous sudomotor and alliesthesial thermosensitivity in mildly heat-stressed humans: an open-loop approach. <i>Journal of Physiology</i> , 2005, 565, 335-345.	2.9	167
4	A fractionation of the physiological burden of the personal protective equipment worn by firefighters. <i>European Journal of Applied Physiology</i> , 2012, 112, 2913-2921.	2.5	117
5	Hands and feet: physiological insulators, radiators and evaporators. <i>European Journal of Applied Physiology</i> , 2014, 114, 2037-2060.	2.5	117
6	Challenges to Temperature Regulation When Working in Hot Environments. <i>Industrial Health</i> , 2006, 44, 331-344.	1.0	108
7	Sustained and generalized extracellular fluid expansion following heat acclimation. <i>Journal of Physiology</i> , 2004, 559, 327-334.	2.9	92
8	Perspectives on resilience for military readiness and preparedness: Report of an international military physiology roundtable. <i>Journal of Science and Medicine in Sport</i> , 2018, 21, 1116-1124.	1.3	85
9	To Cool, But Not Too Cool. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 1962-1969.	0.4	76
10	The cholinergic blockade of both thermally and non-thermally induced human eccrine sweating. <i>Experimental Physiology</i> , 2012, 97, 930-942.	2.0	65
11	Variations in body morphology explain sex differences in thermoeffector function during compensable heat stress. <i>Experimental Physiology</i> , 2017, 102, 545-562.	2.0	62
12	Load carriage, human performance, and employment standards. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016, 41, S131-S147.	1.9	61
13	The sweating foot: local differences in sweat secretion during exercise-induced hyperthermia. <i>Aviation, Space, and Environmental Medicine</i> , 2006, 77, 1020-7.	0.5	36
14	Towards best practice in physical and physiological employment standards. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016, 41, S47-S62.	1.9	34
15	Regional brain responses associated with thermogenic and psychogenic sweating events in humans. <i>Journal of Neurophysiology</i> , 2015, 114, 2578-2587.	1.8	32
16	Morphological dependency of cutaneous blood flow and sweating during compensable heat stress when heat-loss requirements are matched across participants. <i>Journal of Applied Physiology</i> , 2016, 121, 25-35.	2.5	32
17	Observations on saliva osmolality during progressive dehydration and partial rehydration. <i>European Journal of Applied Physiology</i> , 2012, 112, 3227-3237.	2.5	29
18	A Retrospective Evaluation of Injuries to Australian Urban Firefighters (2003 to 2012). <i>Journal of Occupational and Environmental Medicine</i> , 2015, 57, 757-764.	1.7	29

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19	The independent influences of heat strain and dehydration upon cognition. <i>European Journal of Applied Physiology</i> , 2017, 117, 1025-1037.	2.5	29
20	Employment Standards for Australian Urban Firefighters. <i>Journal of Occupational and Environmental Medicine</i> , 2015, 57, 1072-1082.	1.7	24
21	Employment Standards for Australian Urban Firefighters. <i>Journal of Occupational and Environmental Medicine</i> , 2015, 57, 1063-1071.	1.7	24
22	Interactions of mean body and local skin temperatures in the modulation of human forearm and calf blood flows: a three-dimensional description. <i>European Journal of Applied Physiology</i> , 2016, 116, 343-352.	2.5	24
23	Balancing ballistic protection against physiological strain: evidence from laboratory and field trials. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016, 41, 117-124.	1.9	21
24	The scaling of human basal and resting metabolic rates. <i>European Journal of Applied Physiology</i> , 2021, 121, 193-208.	2.5	21
25	Overwhelming Physiological Regulation Through Personal Protection. <i>Journal of Strength and Conditioning Research</i> , 2015, 29, S111-S118.	2.1	20
26	Direct and indirect methods for determining plasma volume during thermoneutral and cold-water immersion. <i>European Journal of Applied Physiology</i> , 2003, 89, 471-474.	2.5	18
27	Can skin temperature manipulation, with minimal core temperature change, influence plasma volume in resting humans?. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 2000, 81, 159-162.	1.2	17
28	The effects of thoracic load carriage on maximal ambulatory work tolerance and acceptable work durations. <i>European Journal of Applied Physiology</i> , 2016, 116, 635-646.	2.5	17
29	Revisiting Ventilatory and Cardiovascular Predictions of Whole-Body Metabolic Rate. <i>Journal of Occupational and Environmental Medicine</i> , 2014, 56, 214-223.	1.7	13
30	A vascular mechanism to explain thermally mediated variations in deep-body cooling rates during the immersion of profoundly hyperthermic individuals. <i>Experimental Physiology</i> , 2018, 103, 512-522.	2.0	13
31	The origin, significance and plasticity of the thermoeffector thresholds: Extrapolation between humans and laboratory rodents. <i>Journal of Thermal Biology</i> , 2019, 85, 102397.	2.5	13
32	Radiofrequency Electromagnetic Field Exposure and the Resting EEG: Exploring the Thermal Mechanism Hypothesis. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1505.	2.6	13
33	The physiological demands of horseback mustering when wearing an equestrian helmet. <i>European Journal of Applied Physiology</i> , 2008, 104, 289-296.	2.5	11
34	Thermogenic and psychogenic recruitment of human eccrine sweat glands: Variations between glabrous and non-glabrous skin surfaces. <i>Journal of Thermal Biology</i> , 2017, 65, 145-152.	2.5	11
35	Hyperthermia and dehydration: their independent and combined influences on physiological function during rest and exercise. <i>European Journal of Applied Physiology</i> , 2020, 120, 2813-2834.	2.5	11
36	Attenuation of the cutaneous blood flow response during combined exercise and heat stress. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1994, 69, 367-369.	1.2	10

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37	The utility of heart rate and minute ventilation as predictors of whole-body metabolic rate during occupational simulations involving load carriage. <i>Ergonomics</i> , 2015, 58, 1671-1681.	2.1	10
38	Indirect hand and forearm vasomotion: Regional variations in cutaneous thermosensitivity during normothermia and mild hyperthermia. <i>Journal of Thermal Biology</i> , 2017, 65, 95-104.	2.5	10
39	Heat adaptation in humans: the significance of controlled and regulated variables for experimental design and interpretation. <i>European Journal of Applied Physiology</i> , 2020, 120, 2583-2595.	2.5	10
40	Physiological interactions with personal-protective clothing, physically demanding work and global warming: An Asia-Pacific perspective. <i>Journal of Thermal Biology</i> , 2021, 97, 102858.	2.5	10
41	Foundational insights into the estimation of whole-body metabolic rate. <i>European Journal of Applied Physiology</i> , 2018, 118, 867-874.	2.5	9
42	Thermoeffector threshold plasticity: The impact of thermal pre-conditioning on sudomotor, cutaneous vasomotor and thermogenic thresholds. <i>Journal of Thermal Biology</i> , 2019, 83, 37-46.	2.5	9
43	Intraocular pressure and cerebral oxygenation during prolonged headward acceleration. <i>European Journal of Applied Physiology</i> , 2017, 117, 61-72.	2.5	8
44	Thermogenic and psychogenic sweating in humans: Identifying eccrine glandular recruitment patterns from glabrous and non-glabrous skin surfaces. <i>Journal of Thermal Biology</i> , 2019, 82, 242-251.	2.5	7
45	Hyperthermia, but not dehydration, alters the electrical activity of the brain. <i>European Journal of Applied Physiology</i> , 2020, 120, 2797-2811.	2.5	7
46	Simulated Helicopter Flight Performance is Affected by Heat Strain. <i>Journal of the Human-Environment System</i> , 2006, 9, 13-18.	0.1	6
47	Thermal performance trials on the habitability of private bushfire shelters: part 2. <i>International Journal of Biometeorology</i> , 2015, 59, 995-1005.	3.0	6
48	Cutaneous vasomotor adaptation following repeated, isothermal heat exposures: evidence of adaptation specificity. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018, 43, 415-418.	1.9	6
49	Scaling the peak and steady-state aerobic power of running and walking humans. <i>European Journal of Applied Physiology</i> , 2021, 121, 2925-2938.	2.5	6
50	Non-thermal modulation of sudomotor function during static exercise and the impact of intensity and muscle-mass recruitment. <i>Temperature</i> , 2016, 3, 252-261.	3.0	5
51	Does acute radio-frequency electromagnetic field exposure affect visual event-related potentials in healthy adults?. <i>Clinical Neurophysiology</i> , 2018, 129, 901-908.	1.5	5
52	Revisiting the dermatomal recruitment of, and pressure-dependent influences on, human eccrine sweating. <i>Journal of Thermal Biology</i> , 2019, 82, 52-62.	2.5	4
53	Thermal performance trials on the habitability of private bushfire shelters: part 1. <i>International Journal of Biometeorology</i> , 2015, 59, 983-993.	3.0	3
54	Thermal and cardiovascular strain imposed by motorcycle protective clothing under Australian summer conditions. <i>Ergonomics</i> , 2016, 59, 504-513.	2.1	2

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55	Hand and forearm cooling: exploring deep-body cooling in hyperthermic individuals following exercise-induced heating at three different work rates. <i>Industrial Health</i> , 2021, 59, 161-170.	1.0	2
56	Heat adaptation in humans: extrapolating from basic to applied science. <i>European Journal of Applied Physiology</i> , 2021, 121, 1237-1238.	2.5	2