Nigel A S Taylor

List of Publications by Year
in descending order

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	The scaling of human basal and resting metabolic rates. European Journal of Applied Physiology, 2021, 121, 193-208.	2.5	21
2	Hand and forearm cooling: exploring deep-body cooling in hyperthermic individuals following exercise-induced heating at three different work rates. Industrial Health, 2021, 59, 161-170.	1.0	2
3	Heat adaptation in humans: extrapolating from basic to applied science. European Journal of Applied Physiology, 2021, 121, 1237-1238.	2.5	2
4	Physiological interactions with personal-protective clothing, physically demanding work and global warming: An Asia-Pacific perspective. Journal of Thermal Biology, 2021, 97, 102858.	2.5	10
5	Scaling the peak and steady-state aerobic power of running and walking humans. European Journal of Applied Physiology, 2021, 121, 2925-2938.	2.5	6
6	Hyperthermia, but not dehydration, alters the electrical activity of the brain. European Journal of Applied Physiology, 2020, 120, 2797-2811.	2.5	7
7	Hyperthermia and dehydration: their independent and combined influences on physiological function during rest and exercise. European Journal of Applied Physiology, 2020, 120, 2813-2834.	2.5	11
8	Heat adaptation in humans: the significance of controlled and regulated variables for experimental design and interpretation. European Journal of Applied Physiology, 2020, 120, 2583-2595.	2.5	10
9	The origin, significance and plasticity of the thermoeffector thresholds: Extrapolation between humans and laboratory rodents. Journal of Thermal Biology, 2019, 85, 102397.	2.5	13
10	Revisiting the dermatomal recruitment of, and pressure-dependent influences on, human eccrine sweating. Journal of Thermal Biology, 2019, 82, 52-62.	2.5	4
11	Thermoeffector threshold plasticity: The impact of thermal pre-conditioning on sudomotor, cutaneous vasomotor and thermogenic thresholds. Journal of Thermal Biology, 2019, 83, 37-46.	2.5	9
12	Thermogenic and psychogenic sweating in humans: Identifying eccrine glandular recruitment patterns from glabrous and non-glabrous skin surfaces. Journal of Thermal Biology, 2019, 82, 242-251.	2.5	7
13	Radiofrequency Electromagnetic Field Exposure and the Resting EEG: Exploring the Thermal Mechanism Hypothesis. International Journal of Environmental Research and Public Health, 2019, 16, 1505.	2.6	13
14	Foundational insights into the estimation of whole-body metabolic rate. European Journal of Applied Physiology, 2018, 118, 867-874.	2.5	9
15	Does acute radio-frequency electromagnetic field exposure affect visual event-related potentials in healthy adults?. Clinical Neurophysiology, 2018, 129, 901-908.	1.5	5
16	A vascular mechanism to explain thermally mediated variations in deepâ€body cooling rates during the immersion of profoundly hyperthermic individuals. Experimental Physiology, 2018, 103, 512-522.	2.0	13
17	Cutaneous vasomotor adaptation following repeated, isothermal heat exposures: evidence of adaptation specificity. Applied Physiology, Nutrition and Metabolism, 2018, 43, 415-418.	1.9	6
18	Perspectives on resilience for military readiness and preparedness: Report of an international military physiology roundtable. Journal of Science and Medicine in Sport, 2018, 21, 1116-1124.	1.3	85

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19	Variations in body morphology explain sex differences in thermoeffector function during compensable heat stress. Experimental Physiology, 2017, 102, 545-562.	2.0	62
20	Indirect hand and forearm vasomotion: Regional variations in cutaneous thermosensitivity during normothermia and mild hyperthermia. Journal of Thermal Biology, 2017, 65, 95-104.	2.5	10
21	The independent influences of heat strain and dehydration upon cognition. European Journal of Applied Physiology, 2017, 117, 1025-1037.	2.5	29
22	Thermogenic and psychogenic recruitment of human eccrine sweat glands: Variations between glabrous and non-glabrous skin surfaces. Journal of Thermal Biology, 2017, 65, 145-152.	2.5	11
23	Intraocular pressure and cerebral oxygenation during prolonged headward acceleration. European Journal of Applied Physiology, 2017, 117, 61-72.	2.5	8
24	Morphological dependency of cutaneous blood flow and sweating during compensable heat stress when heat-loss requirements are matched across participants. Journal of Applied Physiology, 2016, 121, 25-35.	2.5	32
25	The effects of thoracic load carriage on maximal ambulatory work tolerance and acceptable work durations. European Journal of Applied Physiology, 2016, 116, 635-646.	2.5	17
26	Load carriage, human performance, and employment standards. Applied Physiology, Nutrition and Metabolism, 2016, 41, S131-S147.	1.9	61
27	Non-thermal modulation of sudomotor function during static exercise and the impact of intensity and muscle-mass recruitment. Temperature, 2016, 3, 252-261.	3.0	5
28	Towards best practice in physical and physiological employment standards. Applied Physiology, Nutrition and Metabolism, 2016, 41, S47-S62.	1.9	34
29	Thermal and cardiovascular strain imposed by motorcycle protective clothing under Australian summer conditions. Ergonomics, 2016, 59, 504-513.	2.1	2
30	Interactions of mean body and local skin temperatures in the modulation of human forearm and calf blood flows: a three-dimensional description. European Journal of Applied Physiology, 2016, 116, 343-352.	2.5	24
31	Balancing ballistic protection against physiological strain: evidence from laboratory and field trials. Applied Physiology, Nutrition and Metabolism, 2016, 41, 117-124.	1.9	21
32	Overwhelming Physiological Regulation Through Personal Protection. Journal of Strength and Conditioning Research, 2015, 29, S111-S118.	2.1	20
33	Employment Standards for Australian Urban Firefighters. Journal of Occupational and Environmental Medicine, 2015, 57, 1072-1082.	1.7	24
34	A Retrospective Evaluation of Injuries to Australian Urban Firefighters (2003 to 2012). Journal of Occupational and Environmental Medicine, 2015, 57, 757-764.	1.7	29
35	Employment Standards for Australian Urban Firefighters. Journal of Occupational and Environmental Medicine, 2015, 57, 1063-1071.	1.7	24
36	Regional brain responses associated with thermogenic and psychogenic sweating events in humans. Journal of Neurophysiology, 2015, 114, 2578-2587.	1.8	32

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37	Thermal performance trials on the habitability of private bushfire shelters: part 2. International Journal of Biometeorology, 2015, 59, 995-1005.	3.0	6
38	Thermal performance trials on the habitability of private bushfire shelters: part 1. International Journal of Biometeorology, 2015, 59, 983-993.	3.0	3
39	The utility of heart rate and minute ventilation as predictors of whole-body metabolic rate during occupational simulations involving load carriage. Ergonomics, 2015, 58, 1671-1681.	2.1	10
40	Hands and feet: physiological insulators, radiators and evaporators. European Journal of Applied Physiology, 2014, 114, 2037-2060.	2.5	117
41	Revisiting Ventilatory and Cardiovascular Predictions of Whole-Body Metabolic Rate. Journal of Occupational and Environmental Medicine, 2014, 56, 214-223.	1.7	13
42	Considerations for the measurement of core, skin and mean body temperatures. Journal of Thermal Biology, 2014, 46, 72-101.	2.5	298
43	Human Heat Adaptation. , 2014, 4, 325-365.		268
44	Observations on saliva osmolality during progressive dehydration and partial rehydration. European Journal of Applied Physiology, 2012, 112, 3227-3237.	2.5	29
45	The cholinergic blockade of both thermally and nonâ€thermally induced human eccrine sweating. Experimental Physiology, 2012, 97, 930-942.	2.0	65
46	A fractionation of the physiological burden of the personal protective equipment worn by firefighters. European Journal of Applied Physiology, 2012, 112, 2913-2921.	2.5	117
47	The physiological demands of horseback mustering when wearing an equestrian helmet. European Journal of Applied Physiology, 2008, 104, 289-296.	2.5	11
48	To Cool, But Not Too Cool. Medicine and Science in Sports and Exercise, 2008, 40, 1962-1969.	0.4	76
49	Simulated Helicopter Flight Performance is Affected by Heat Strain. Journal of the Human-Environment System, 2006, 9, 13-18.	0.1	6
50	Challenges to Temperature Regulation When Working in Hot Environments. Industrial Health, 2006, 44, 331-344.	1.0	108
51	The sweating foot: local differences in sweat secretion during exercise-induced hyperthermia. Aviation, Space, and Environmental Medicine, 2006, 77, 1020-7.	0.5	36
52	The distribution of cutaneous sudomotor and alliesthesial thermosensitivity in mildly heat-stressed humans: an open-loop approach. Journal of Physiology, 2005, 565, 335-345.	2.9	167
53	Sustained and generalized extracellular fluid expansion following heat acclimation. Journal of Physiology, 2004, 559, 327-334.	2.9	92
54	Direct and indirect methods for determining plasma volume during thermoneutral and cold-water immersion. European Journal of Applied Physiology, 2003, 89, 471-474.	2.5	18

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55	Can skin temperature manipulation, with minimal core temperature change, influence plasma volume in resting humans?. European Journal of Applied Physiology and Occupational Physiology, 2000, 81, 159-162.	1.2	17
56	Attenuation of the cutaneous blood flow response during combined exercise and heat stress. European Journal of Applied Physiology and Occupational Physiology, 1994, 69, 367-369.	1.2	10