Nigel As Taylor

List of Publications by Year in descending order

47 papers	1,943 citations	361413 20 h-index	289244 40 g-index
48 all docs	48 docs citations	48 times ranked	1875 citing authors

#	Article	IF	Citations
1	Regional variations in transepidermal water loss, eccrine sweat gland density, sweat secretion rates and electrolyte composition in resting and exercising humans. Extreme Physiology and Medicine, 2013, 2, 4.	2.5	337
2	Considerations for the measurement of core, skin and mean body temperatures. Journal of Thermal Biology, 2014, 46, 72-101.	2.5	298
3	Human Heat Adaptation. , 2014, 4, 325-365.		268
4	Challenges to Temperature Regulation When Working in Hot Environments. Industrial Health, 2006, 44, 331-344.	1.0	108
5	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
6	Ethnic differences in thermoregulation: Genotypic versus phenotypic heat adaptation. Journal of Thermal Biology, 2006, 31, 90-104.	2.5	80
7	Perspectives on Aerobic and Strength Influences on Military Physical Readiness. Journal of Strength and Conditioning Research, 2015, 29, S10-S23.	2.1	66
8	Load carriage, human performance, and employment standards. Applied Physiology, Nutrition and Metabolism, 2016, 41, S131-S147.	1.9	61
9	Eccrine Sweat Glands. Sports Medicine, 1986, 3, 387-397.	6.5	56
10	Immersion Treatment for Exertional Hyperthermia. Medicine and Science in Sports and Exercise, 2010, 42, 1246-1252.	0.4	52
11	PRINCIPLES AND PRACTICES OF HEAT ADAPTATION. Journal of the Human-Environment System, 2000, 4, 11-22.	0.1	41
12	Design data for footwear: sweating distribution on the human foot. International Journal of Clothing Science and Technology, 2013, 25, 43-58.	1.1	41
13	Habituation of the metabolic and ventilatory responses to cold-water immersion in humans. Journal of Thermal Biology, 2013, 38, 24-31.	2.5	35
14	Towards best practice in physical and physiological employment standards. Applied Physiology, Nutrition and Metabolism, 2016, 41, S47-S62.	1.9	34
15	What do firefighters desire from the next generation of personal protective equipment? Outcomes from an international survey. Industrial Health, 2015, 53, 434-444.	1.0	32
16	Cardiovascular and thermal consequences of protective clothing: a comparison of clothed and unclothed states. Ergonomics, 2004, 47, 1073-1086.	2.1	30
17	Intramuscular temperatures during exercise in the heat following pre-cooling and pre-heating. Journal of Thermal Biology, 2004, 29, 709-715.	2.5	25
18	Employment Standards for Australian Urban Firefighters. Journal of Occupational and Environmental Medicine, 2015, 57, 1072-1082.	1.7	24

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19	Employment Standards for Australian Urban Firefighters. Journal of Occupational and Environmental Medicine, 2015, 57, 1063-1071.	1.7	24
20	Employment Standards for Australian Urban Firefighters. Journal of Occupational and Environmental Medicine, 2015, 57, 1092-1097.	1.7	24
21	Metabolic Habituation Following Repeated Resting Cold-Water Immersion Is Not Apparent During Low-Intensity Cold-Water Exercise.. Journal of Physiological Anthropology and Applied Human Science, 2001, 20, 263-267.	0.4	23
22	Balancing ballistic protection against physiological strain: evidence from laboratory and field trials. Applied Physiology, Nutrition and Metabolism, 2016, 41, 117-124.	1.9	21
23	Overwhelming Physiological Regulation Through Personal Protection. Journal of Strength and Conditioning Research, 2015, 29, S111-S118.	2.1	20
24	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
25	Employment Standards for Australian Urban Firefighters. Journal of Occupational and Environmental Medicine, 2015, 57, 1083-1091.	1.7	15
26	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
27	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
28	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
29	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
30	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
31	Military Clothing and Protective Material: Protection at the Limits of Physiological Regulation. Studies in Mechanobiology, Tissue Engineering and Biomaterials, 2014, , 303-332.	1.0	9
32	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
33	The impact of ambulatory gradients on the oxygen cost of torso load carriage for people of varying body mass. Journal of Science and Medicine in Sport, 2017, 20, S40.	1.3	7
34	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
35	Cutaneous vasomotor adaptation following repeated, isothermal heat exposures: evidence of adaptation specificity. Applied Physiology, Nutrition and Metabolism, 2018, 43, 415-418.	1.9	6
36	An open-loop model for investigating mammalian thermosensitivity. Journal of Thermal Biology, 2004, 29, 703-707.	2.5	5

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37	Revisiting the dermatomal recruitment of, and pressure-dependent influences on, human eccrine sweating. Journal of Thermal Biology, 2019, 82, 52-62.	2.5	4
38	Investigating high-amplitude oscillations in rat tail skin blood flow during core heating and cooling. Journal of Thermal Biology, 2004, 29, 779-783.	2.5	3
39	The impact of thermal pre-conditioning on cutaneous vasomotor and shivering thresholds. Extreme Physiology and Medicine, 2015, 4, A117.	2.5	3
40	Novel, high-amplitude blood-flow oscillations in vasodilating human skin. Journal of Thermal Biology, 2004, 29, 717-723.	2.5	2
41	Physiological consequences of wearing personal protective equipment: clothing and helmets. Elsevier Ergonomics Book Series, 2005, , 383-388.	0.1	2
42	Is the dermatomal recruitment of sweating a physiological reality or a misinterpretation?. Extreme Physiology and Medicine, 2015, 4, .	2.5	2
43	Thermal Stress and Its Physiological Implications. , 2019, , 349-379.		2
44	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
45	Cutaneous thermosensitivity differences among the face, hand or thigh appear not to exist for skin blood flow during normothermic states. Extreme Physiology and Medicine, 2015, 4, .	2.5	1
46	Postural influences on sweating: exploring the effects of gravity and pressure. Extreme Physiology and Medicine, 2015, 4, A154.	2.5	1
47	Does the skin of mildly hyperthermic individuals display local variations in thermosensitivity for the control of skin blood flow?. Extreme Physiology and Medicine, 2015, 4, A94.	2.5	1