

Robert D Meade

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50
papers

640
citations

16
h-index

23
g-index

54
ext. papers

781
ext. citations

3
avg, IF

4.27
L-index

#	Paper	IF	Citations
50	Evidence for cyclooxygenase-dependent sweating in young males during intermittent exercise in the heat. <i>Journal of Physiology</i> , 2014 , 592, 5327-39	3.9	48
49	An Evaluation of the Physiological Strain Experienced by Electrical Utility Workers in North America. <i>Journal of Occupational and Environmental Hygiene</i> , 2015 , 12, 708-20	2.9	41
48	iNOS-dependent sweating and eNOS-dependent cutaneous vasodilation are evident in younger adults, but are diminished in older adults exercising in the heat. <i>Journal of Applied Physiology</i> , 2016 , 120, 318-27	3.7	35
47	Exploring the mechanisms underpinning sweating: the development of a specialized ventilated capsule for use with intradermal microdialysis. <i>Physiological Reports</i> , 2016 , 4, e12738	2.6	34
46	Cyclooxygenase inhibition does not alter methacholine-induced sweating. <i>Journal of Applied Physiology</i> , 2014 , 117, 1055-62	3.7	33
45	Physiological factors characterizing heat-vulnerable older adults: A narrative review. <i>Environment International</i> , 2020 , 144, 105909	12.9	31
44	Do the Threshold Limit Values for Work in Hot Conditions Adequately Protect Workers?. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 1187-96	1.2	31
43	Intradermal administration of ATP augments methacholine-induced cutaneous vasodilation but not sweating in young males and females. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015 , 309, R912-9	3.2	26
42	Do nitric oxide synthase and cyclooxygenase contribute to the heat loss responses in older males exercising in the heat?. <i>Journal of Physiology</i> , 2015 , 593, 3169-80	3.9	24
41	The physiological strain incurred during electrical utilities work over consecutive work shifts in hot environments: A case report. <i>Journal of Occupational and Environmental Hygiene</i> , 2017 , 14, 986-994	2.9	24
40	Mechanisms underlying the postexercise baroreceptor-mediated suppression of heat loss. <i>Physiological Reports</i> , 2014 , 2, e12168	2.6	24
39	The physical demands of electrical utilities work in North America. <i>Journal of Occupational and Environmental Hygiene</i> , 2016 , 13, 60-70	2.9	21
38	The recommended Threshold Limit Values for heat exposure fail to maintain body core temperature within safe limits in older working adults. <i>Journal of Occupational and Environmental Hygiene</i> , 2017 , 14, 703-711	2.9	20
37	Local infusion of ascorbate augments NO-dependent cutaneous vasodilatation during intense exercise in the heat. <i>Journal of Physiology</i> , 2015 , 593, 4055-65	3.9	20
36	Revisiting the influence of individual factors on heat exchange during exercise in dry heat using direct calorimetry. <i>Experimental Physiology</i> , 2019 , 104, 1038-1050	2.4	16
35	The interactive contributions of Na(+)/K(+)-ATPase and nitric oxide synthase to sweating and cutaneous vasodilatation during exercise in the heat. <i>Journal of Physiology</i> , 2016 , 594, 3453-62	3.9	16
34	Aging and human heat dissipation during exercise-heat stress: an update and future directions. <i>Current Opinion in Physiology</i> , 2019 , 10, 219-225	2.6	15

33	Individual variations in nitric oxide synthase-dependent sweating in young and older males during exercise in the heat: role of aerobic power. <i>Physiological Reports</i> , 2017 , 5, e13208	2.6	14
32	No effect of ascorbate on cutaneous vasodilation and sweating in older men and those with type 2 diabetes exercising in the heat. <i>Physiological Reports</i> , 2017 , 5, e13238	2.6	12
31	Cutaneous blood flow during intradermal NO administration in young and older adults: roles for calcium-activated potassium channels and cyclooxygenase?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016 , 310, R1081-7	3.2	12
30	Cumulative effects of successive workdays in the heat on thermoregulatory function in the aging worker. <i>Temperature</i> , 2018 , 5, 293-295	5.2	12
29	The roles of K, K, and K channels in regulating cutaneous vasodilation and sweating during exercise in the heat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017 , 312, R821-R827	3.2	11
28	The roles of the Na ⁺ /K ⁺ -ATPase, NKCC, and K ⁺ channels in regulating local sweating and cutaneous blood flow during exercise in humans in vivo. <i>Physiological Reports</i> , 2016 , 4, e13024	2.6	11
27	Time following ingestion does not influence the validity of telemetry pill measurements of core temperature during exercise-heat stress: The journal toolbox. <i>Temperature</i> , 2021 , 8, 12-20	5.2	10
26	Are All Heat Loads Created Equal?. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 1796-1804	1.2	9
25	Interactive effects of age and hydration state on human thermoregulatory function during exercise in hot-dry conditions. <i>Acta Physiologica</i> , 2019 , 226, e13226	5.6	9
24	Fluid replacement modulates oxidative stress- but not nitric oxide-mediated cutaneous vasodilation and sweating during prolonged exercise in the heat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017 , 313, R730-R739	3.2	8
23	Exercise Thermoregulation in Prepubertal Children: A Brief Methodological Review. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 2412-2422	1.2	7
22	Type 2 diabetes specifically attenuates purinergic skin vasodilatation without affecting muscarinic and nicotinic skin vasodilatation and sweating. <i>Experimental Physiology</i> , 2018 , 103, 212-221	2.4	7
21	Can intradermal administration of angiotensin II influence human heat loss responses during whole body heat stress?. <i>Journal of Applied Physiology</i> , 2015 , 118, 1145-53	3.7	7
20	Fluid Loss during Exercise-Heat Stress Reduces Cardiac Vagal Autonomic Modulation. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 362-369	1.2	7
19	Local arginase inhibition does not modulate cutaneous vasodilation or sweating in young and older men during exercise. <i>Journal of Applied Physiology</i> , 2019 , 126, 1129-1137	3.7	6
18	Evidence for age-related differences in heat acclimatisation responsiveness. <i>Experimental Physiology</i> , 2020 , 105, 1491-1499	2.4	5
17	Effect of aerobic fitness on the relation between age and whole-body heat exchange during exercise-heat stress: a retrospective analysis. <i>Experimental Physiology</i> , 2020 , 105, 1550-1560	2.4	5
16	Oxidative stress does not influence local sweat rate during high-intensity exercise. <i>Experimental Physiology</i> , 2018 , 103, 172-178	2.4	5

15	Cyclooxygenase-1 and -2 modulate sweating but not cutaneous vasodilation during exercise in the heat in young men. <i>Physiological Reports</i> , 2018 , 6, e13844	2.6	5
14	Greater fluid loss does not fully explain the divergent hemodynamic balance mediating postexercise hypotension in endurance-trained men. <i>Journal of Applied Physiology</i> , 2018 , 124, 1264-1273 ^{3,7}		3
13	Intermittent sequential pneumatic compression does not enhance whole-body heat loss in elderly adults during extreme heat exposure. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019 , 44, 1383-1386 ³		2
12	Heat Exchange in Young and Older Men during Constant- and Variable-Intensity Work. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 2628-2636	1.2	2
11	Myths and methodologies: Reliability of forearm cutaneous vasodilatation measured using laser-Doppler flowmetry during whole-body passive heating. <i>Experimental Physiology</i> , 2021 , 106, 634-652 ⁴		2
10	Impaired autophagy following ex vivo heating at physiologically relevant temperatures in peripheral blood mononuclear cells from elderly adults. <i>Journal of Thermal Biology</i> , 2021 , 95, 102790	2.9	2
9	Exogenous Activation of Protease-Activated Receptor 2 Attenuates Cutaneous Vasodilatation and Sweating in Older Men Exercising in the Heat. <i>Skin Pharmacology and Physiology</i> , 2019 , 32, 235-243	3	1
8	Effect of P2 receptor blockade on cutaneous vasodilation during rest and exercise in the heat in young men. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018 , 43, 312-315	3	1
7	Ageing attenuates the effect of extracellular hyperosmolality on whole-body heat exchange during exercise-heat stress. <i>Journal of Physiology</i> , 2020 , 598, 5133-5148	3.9	1
6	Whole-body heat exchange in women during constant- and variable-intensity work in the heat. <i>European Journal of Applied Physiology</i> , 2020 , 120, 2665-2675	3.4	1
5	Myths and methodologies: Reliability of non-invasive estimates of cardiac autonomic modulation during whole-body passive heating. <i>Experimental Physiology</i> , 2021 , 106, 593-614	2.4	1
4	Regional variation in the reliability of sweat rate measured via the ventilated capsule technique during passive heating. <i>Experimental Physiology</i> , 2021 , 106, 615-633	2.4	1
3	The effect of exogenous activation of protease-activated receptor 2 on cutaneous vasodilatation and sweating in young males during rest and exercise in the heat. <i>Temperature</i> , 2018 , 5, 257-266	5.2	1
2	Revisiting regional variation in the age-related reduction in sweat rate during passive heat stress.. <i>Physiological Reports</i> , 2022 , 10, e15250	2.6	1
1	Do Graduated Compression Garments Enhance Whole-body Heat Loss During an Extreme Heat Exposure in Older Adults?. <i>FASEB Journal</i> , 2018 , 32, 590.22	0.9	