Robert D Meade

List of Publications by Year in Descending Order

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	Revisiting regional variation in the age-related reduction in sweat rate during passive heat stress.. *Physiological Reports*, **2022**, 10, e15250	2.6	1
49	Myths and methodologies: Reliability of forearm cutaneous vasodilatation measured using laser-Doppler flowmetry during whole-body passive heating. *Experimental Physiology*, **2021**, 106, 634-652	2.4	2
48	Impaired autophagy following ex vivo heating at physiologically relevant temperatures in peripheral blood mononuclear cells from elderly adults. *Journal of Thermal Biology*, **2021**, 95, 102790	2.9	2
47	Myths and methodologies: Reliability of non-invasive estimates of cardiac autonomic modulation during whole-body passive heating. *Experimental Physiology*, **2021**, 106, 593-614	2.4	1
46	Regional variation in the reliability of sweat rate measured via the ventilated capsule technique during passive heating. *Experimental Physiology*, **2021**, 106, 615-633	2.4	1
45	Time following ingestion does not influence the validity of telemetry pill measurements of core temperature during exercise-heat stress: The journal toolbox. *Temperature*, **2021**, 8, 12-20	5.2	10
44	Exercise Thermoregulation in Prepubertal Children: A Brief Methodological Review. *Medicine and Science in Sports and Exercise*, **2020**, 52, 2412-2422	1.2	7
43	Evidence for age-related differences in heat acclimatisation responsiveness. *Experimental Physiology*, **2020**, 105, 1491-1499	2.4	5
42	Effect of aerobic fitness on the relation between age and whole-body heat exchange during exercise-heat stress: a retrospective analysis. *Experimental Physiology*, **2020**, 105, 1550-1560	2.4	5
41	Heat Exchange in Young and Older Men during Constant- and Variable-Intensity Work. *Medicine and Science in Sports and Exercise*, **2020**, 52, 2628-2636	1.2	2
40	Fluid Loss during Exercise-Heat Stress Reduces Cardiac Vagal Autonomic Modulation. *Medicine and Science in Sports and Exercise*, **2020**, 52, 362-369	1.2	7
39	Ageing attenuates the effect of extracellular hyperosmolality on whole-body heat exchange during exercise-heat stress. *Journal of Physiology*, **2020**, 598, 5133-5148	3.9	1
38	Physiological factors characterizing heat-vulnerable older adults: A narrative review. *Environment International*, **2020**, 144, 105909	12.9	31
37	Whole-body heat exchange in women during constant- and variable-intensity work in the heat. *European Journal of Applied Physiology*, **2020**, 120, 2665-2675	3.4	1
36	Exogenous Activation of Protease-Activated Receptor 2 Attenuates Cutaneous Vasodilatation and Sweating in Older Men Exercising in the Heat. *Skin Pharmacology and Physiology*, **2019**, 32, 235-243	3	1
35	Revisiting the influence of individual factors on heat exchange during exercise in dry heat using direct calorimetry. *Experimental Physiology*, **2019**, 104, 1038-1050	2.4	16
34	Intermittent sequential pneumatic compression does not enhance whole-body heat loss in elderly adults during extreme heat exposure. *Applied Physiology, Nutrition and Metabolism*, **2019**, 44, 1383-1386	3	2

33	Aging and human heat dissipation during exercise-heat stress: an update and future directions. *Current Opinion in Physiology*, **2019**, 10, 219-225	2.6	15
32	Local arginase inhibition does not modulate cutaneous vasodilation or sweating in young and older men during exercise. *Journal of Applied Physiology*, **2019**, 126, 1129-1137	3.7	6
31	Interactive effects of age and hydration state on human thermoregulatory function during exercise in hot-dry conditions. *Acta Physiologica*, **2019**, 226, e13226	5.6	9
30	Effect of P2 receptor blockade on cutaneous vasodilation during rest and exercise in the heat in young men. *Applied Physiology, Nutrition and Metabolism*, **2018**, 43, 312-315	3	1
29	Type 2 diabetes specifically attenuates purinergic skin vasodilatation without affecting muscarinic and nicotinic skin vasodilatation and sweating. *Experimental Physiology*, **2018**, 103, 212-221	2.4	7
28	Greater fluid loss does not fully explain the divergent hemodynamic balance mediating postexercise hypotension in endurance-trained men. *Journal of Applied Physiology*, **2018**, 124, 1264-1273	3.7	3
27	Cumulative effects of successive workdays in the heat on thermoregulatory function in the aging worker. *Temperature*, **2018**, 5, 293-295	5.2	12
26	Do Graduated Compression Garments Enhance Whole-body Heat Loss During an Extreme Heat Exposure in Older Adults?. *FASEB Journal*, **2018**, 32, 590.22	0.9	
25	Oxidative stress does not influence local sweat rate during high-intensity exercise. *Experimental Physiology*, **2018**, 103, 172-178	2.4	5
24	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. *Temperature*, **2018**, 5, 257-266	5.2	1
23	Cyclooxygenase-1 and -2 modulate sweating but not cutaneous vasodilation during exercise in the heat in young men. *Physiological Reports*, **2018**, 6, e13844	2.6	5
22	The roles of K, K, and K channels in regulating cutaneous vasodilation and sweating during exercise in the heat. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2017**, 312, R821-R827	3.2	11
21	Individual variations in nitric oxide synthase-dependent sweating in young and older males during exercise in the heat: role of aerobic power. *Physiological Reports*, **2017**, 5, e13208	2.6	14
20	No effect of ascorbate on cutaneous vasodilation and sweating in older men and those with type 2 diabetes exercising in the heat. *Physiological Reports*, **2017**, 5, e13238	2.6	12
19	The recommended Threshold Limit Values for heat exposure fail to maintain body core temperature within safe limits in older working adults. *Journal of Occupational and Environmental Hygiene*, **2017**, 14, 703-711	2.9	20
18	The physiological strain incurred during electrical utilities work over consecutive work shifts in hot environments: A case report. *Journal of Occupational and Environmental Hygiene*, **2017**, 14, 986-994	2.9	24
17	Fluid replacement modulates oxidative stress- but not nitric oxide-mediated cutaneous vasodilation and sweating during prolonged exercise in the heat. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2017**, 313, R730-R739	3.2	8
16	Are All Heat Loads Created Equal?. *Medicine and Science in Sports and Exercise*, **2017**, 49, 1796-1804	1.2	9

15	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. *Physiological Reports*, **2016**, 4, e13024	2.6	11
14	Cutaneous blood flow during intradermal NO administration in young and older adults: roles for calcium-activated potassium channels and cyclooxygenase?. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2016**, 310, R1081-7	3.2	12
13	iNOS-dependent sweating and eNOS-dependent cutaneous vasodilation are evident in younger adults, but are diminished in older adults exercising in the heat. *Journal of Applied Physiology*, **2016**, 120, 318-27	3.7	35
12	The physical demands of electrical utilities work in North America. *Journal of Occupational and Environmental Hygiene*, **2016**, 13, 60-70	2.9	21
11	Do the Threshold Limit Values for Work in Hot Conditions Adequately Protect Workers?. *Medicine and Science in Sports and Exercise*, **2016**, 48, 1187-96	1.2	31
10	Exploring the mechanisms underpinning sweating: the development of a specialized ventilated capsule for use with intradermal microdialysis. *Physiological Reports*, **2016**, 4, e12738	2.6	34
9	The interactive contributions of Na(+) /K(+) -ATPase and nitric oxide synthase to sweating and cutaneous vasodilatation during exercise in the heat. *Journal of Physiology*, **2016**, 594, 3453-62	3.9	16
8	Do nitric oxide synthase and cyclooxygenase contribute to the heat loss responses in older males exercising in the heat?. *Journal of Physiology*, **2015**, 593, 3169-80	3.9	24
7	An Evaluation of the Physiological Strain Experienced by Electrical Utility Workers in North America. *Journal of Occupational and Environmental Hygiene*, **2015**, 12, 708-20	2.9	41
6	Can intradermal administration of angiotensin II influence human heat loss responses during whole body heat stress?. *Journal of Applied Physiology*, **2015**, 118, 1145-53	3.7	7
5	Local infusion of ascorbate augments NO-dependent cutaneous vasodilatation during intense exercise in the heat. *Journal of Physiology*, **2015**, 593, 4055-65	3.9	20
4	Intradermal administration of ATP augments methacholine-induced cutaneous vasodilation but not sweating in young males and females. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 309, R912-9	3.2	26
3	Cyclooxygenase inhibition does not alter methacholine-induced sweating. *Journal of Applied Physiology*, **2014**, 117, 1055-62	3.7	33
2	Mechanisms underlying the postexercise baroreceptor-mediated suppression of heat loss. *Physiological Reports*, **2014**, 2, e12168	2.6	24
1	Evidence for cyclooxygenase-dependent sweating in young males during intermittent exercise in the heat. *Journal of Physiology*, **2014**, 592, 5327-39	3.9	48