

Sean R Notley

List of Publications by Year in Descending Order

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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.

94 papers	758 citations	16 h-index	24 g-index
104 ext. papers	1,031 ext. citations	3.1 avg, IF	4.85 L-index

#	Paper	IF	Citations
94	Exercise in the heat induces similar elevations in serum irisin in young and older men despite lower resting irisin concentrations in older adults.. <i>Journal of Thermal Biology</i> , 2022 , 104, 103189	2.9	1
93	The impact of age, type 2 diabetes and hypertension on heart rate variability during rest and exercise at increasing levels of heat stress.. <i>European Journal of Applied Physiology</i> , 2022 , 122, 1249	3.4	
92	Cooling strategies for firefighters: Effects on physiological, physical, and visuo-motor outcomes following fire-fighting tasks in the heat. <i>Journal of Thermal Biology</i> , 2022 , 106, 103236	2.9	2
91	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
90	Determinants of Heat Stress and Strain in Electrical Utilities Workers across North America as Assessed by Means of an Exploratory Questionnaire. <i>Journal of Occupational and Environmental Hygiene</i> , 2021 , 1-12	2.9	1
89	Effects of short-term heat acclimation on whole-body heat exchange and local nitric oxide synthase- and cyclooxygenase-dependent heat loss responses in exercising older men. <i>Experimental Physiology</i> , 2021 , 106, 450-462	2.4	0
88	Impact of uncomplicated controlled hypertension on thermoregulation during exercise-heat stress. <i>Journal of Human Hypertension</i> , 2021 , 35, 880-883	2.6	1
87	Effect of exercise-heat acclimation on cardiac autonomic modulation in type 2 diabetes: a pilot study. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021 , 46, 284-287	3	3
86	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	2.9	4
85	Heat Tolerance and Occupational Heat Exposure Limits in Older Men with and without Type 2 Diabetes or Hypertension. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 2196-2206	1.2	5
84	Scaling the peak and steady-state aerobic power of running and walking humans. <i>European Journal of Applied Physiology</i> , 2021 , 121, 2925-2938	3.4	2
83	The Impacts of Sun Exposure on Worker Physiology and Cognition: Multi-Country Evidence and Interventions. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	11
82	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	2.4	2
81	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
80	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
79	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
78	Heat adaptation in humans: extrapolating from basic to applied science. <i>European Journal of Applied Physiology</i> , 2021 , 121, 1237-1238	3.4	2

77	Exercise-heat tolerance in middle-aged-to-older men with type 2 diabetes. <i>Acta Diabetologica</i> , 2021 , 58, 809-812	3.9	3
76	An exploratory survey of heat stress management programs in the electric power industry. <i>Journal of Occupational and Environmental Hygiene</i> , 2021 , 18, 436-445	2.9	1
75	Australian firefighters perceptions of heat stress, fatigue and recovery practices during fire-fighting tasks in extreme environments. <i>Applied Ergonomics</i> , 2021 , 95, 103449	4.2	5
74	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
73	Effects of exercise-heat stress on circulating stress hormones and interleukin-6 in young and older men. <i>Temperature</i> , 2020 , 7, 389-393	5.2	2
72	Cardiac autonomic modulation in type 1 diabetes during exercise-heat stress. <i>Acta Diabetologica</i> , 2020 , 57, 959-963	3.9	3
71	Evidence for age-related differences in heat acclimatisation responsiveness. <i>Experimental Physiology</i> , 2020 , 105, 1491-1499	2.4	5
70	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
69	Blunted circulating irisin in adults with type 1 diabetes during aerobic exercise in a hot environment: a pilot study. <i>Applied Physiology, Nutrition and Metabolism</i> , 2020 , 45, 679-682	3	2
68	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
67	Autophagy and Heat Shock Protein 70 Expression During Acute Heat Stress in Isosmotic and Hyperosmotic Conditions in Peripheral Blood Mononuclear Cells from Young Adults: Preliminary Data. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
66	Blunted Effects of Elevated Serum Osmolality on Whole-body Heat Loss and Rectal Temperature in Middle-aged-to-older Men Exercising in Dry Heat. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
65	Heat Strain in Middle-aged and Young Men During Prolonged Work in the Heat. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
64	On the Effect of Sex on Heat Strain During Prolonged Work in the Heat. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
63	Whole-body Heat Exchange in Young and Middle-Aged Men during Constant- and Variable-Intensity Work of Equivalent Metabolic Demand in Dry Heat. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
62	Blunted Autophagy and Heat Shock Responses in Peripheral Blood Mononuclear Cells of Elderly Adults During Prolonged, Extreme-Heat Exposure. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
61	Regional Variations in the Reliability of Local Sweat Rate Measured via the Ventilated Capsule Technique during Whole-body Passive Heating. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
60	Reliability of Reflex Cutaneous Vasodilation on the Forearm Measured Using Laser-Doppler Flowmetry During Whole-body Passive Heating. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	

59	Climate Change and Heat Exposure: Impact on Health in Occupational and General Populations 2020 , 225-261		3
58	Diminished heart rate variability in type 2 diabetes is exacerbated during exercise-heat stress. <i>Acta Diabetologica</i> , 2020 , 57, 899-901	3.9	2
57	Whole-body heat exchange in black-African and Caucasian men during exercise eliciting matched heat-loss requirements in dry heat. <i>Experimental Physiology</i> , 2020 , 105, 7-12	2.4	2
56	Age differences in cardiac autonomic regulation during intermittent exercise in the heat. <i>European Journal of Applied Physiology</i> , 2020 , 120, 453-465	3.4	4
55	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
54	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
53	Physiological factors characterizing heat-vulnerable older adults: A narrative review. <i>Environment International</i> , 2020 , 144, 105909	12.9	31
52	Type 2 diabetes does not exacerbate body heat storage in older adults during brief, extreme passive heat exposure. <i>Temperature</i> , 2020 , 7, 263-269	5.2	3
51	Heart rate variability in older workers during work under the Threshold Limit Values for heat exposure. <i>American Journal of Industrial Medicine</i> , 2020 , 63, 787-795	2.7	3
50	Heart rate variability in older men on the day following prolonged work in the heat. <i>Journal of Occupational and Environmental Hygiene</i> , 2020 , 17, 383-389	2.9	3
49	The Relation between Age and Sex on Whole-Body Heat Loss during Exercise-Heat Stress. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 2242-2249	1.2	14
48	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	3.4	3
47	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
46	Exercise Heat Stress in Patients With and Without Type 2 Diabetes. <i>JAMA - Journal of the American Medical Association</i> , 2019 , 322, 1409-1411	27.4	19
45	Revisiting the dermatomal recruitment of, and pressure-dependent influences on, human eccrine sweating. <i>Journal of Thermal Biology</i> , 2019 , 82, 52-62	2.9	2
44	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
43	Impaired whole-body heat loss in type 1 diabetes during exercise in the heat: a cause for concern?. <i>Diabetologia</i> , 2019 , 62, 1087-1089	10.3	5
42	Heart rate variability dynamics during treatment for exertional heat strain when immediate response is not possible. <i>Experimental Physiology</i> , 2019 , 104, 845-854	2.4	4

41	Self-reported physical activity level does not alter whole-body total heat loss independently of aerobic fitness in young adults during exercise in the heat. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019 , 44, 99-102	3	5
40	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
39	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
38	Age-related reductions in heart rate variability do not worsen during exposure to humid compared to dry heat: A secondary analysis. <i>Temperature</i> , 2019 , 6, 341-345	5.2	5
37	The Influence of Ingestion Time on the Validity of Gastrointestinal Pill Temperature as an Index of Body Core Temperature During Work in the Heat. <i>FASEB Journal</i> , 2019 , 33, 842.7	0.9	1
36	On the effects of constant and variable work of equivalent average intensity on whole-body heat exchange. <i>FASEB Journal</i> , 2019 , 33, 842.4	0.9	
35	A Preliminary Analysis of the Inter-Individual Determinants of Whole-Body Heat Exchange in 100 Young Men and Women during Exercise in the Heat. <i>FASEB Journal</i> , 2019 , 33, 842.8	0.9	
34	Occupational heat stress management: Does one size fit all?. <i>American Journal of Industrial Medicine</i> , 2019 , 62, 1017-1023	2.7	11
33	The Hexoskin physiological monitoring shirt does not impair whole-body heat loss during exercise in hot-dry conditions. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019 , 44, 332-335	3	3
32	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
31	Menstrual cycle phase does not modulate whole body heat loss during exercise in hot, dry conditions. <i>Journal of Applied Physiology</i> , 2019 , 126, 286-293	3.7	23
30	Towards establishing evidence-based guidelines on maximum indoor temperatures during hot weather in temperate continental climates. <i>Temperature</i> , 2019 , 6, 11-36	5.2	26
29	Fitness-related differences in the rate of whole-body total heat loss in exercising young healthy women are heat-load dependent. <i>Experimental Physiology</i> , 2018 , 103, 312-317	2.4	17
28	Morphological and Physiological Considerations for the Modelling of Human Heat Loss 2018 , 463-499		2
27	Physical characteristics cannot be used to predict cooling time using cold-water immersion as a treatment for exertional hyperthermia. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018 , 43, 857-860 ³		4
26	Postexercise whole-body sweating increases during muscle metaboreceptor activation in young men. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018 , 43, 423-426	3	1
25	Fitness-related differences in the rate of whole-body evaporative heat loss in exercising men are heat-load dependent. <i>Experimental Physiology</i> , 2018 , 103, 101-110	2.4	24
24	On the use of wearable physiological monitors to assess heat strain during occupational heat stress. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018 , 43, 869-881	3	33

23	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
22	Does a Prolonged Work Day in the Heat Impair Heat Loss on the Next Day in Young Men?. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 318-326	1.2	7
21	Defining Acceptable Cold-Water Immersion Times for the Treatment of Exertional Hyperthermia When Rectal Temperature Measurements are not Available. <i>FASEB Journal</i> , 2018 , 32, 859.4	0.9	
20	Hypohydration does not Exacerbate Age-related Impairments in Whole-body Heat Loss during Exercise in the Heat.. <i>FASEB Journal</i> , 2018 , 32, 859.3	0.9	
19	Cutaneous vasomotor adaptation following repeated, isothermal heat exposures: evidence of adaptation specificity. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018 , 43, 415-418	3	3
18	Heat Loss Is Impaired in Older Men on the Day after Prolonged Work in the Heat. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 1859-1867	1.2	16
17	Variations in body morphology explain sex differences in thermoeffector function during compensable heat stress. <i>Experimental Physiology</i> , 2017 , 102, 545-562	2.4	40
16	Aging Impairs Whole-Body Heat Loss in Women under Both Dry and Humid Heat Stress. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 2324-2332	1.2	17
15	Direct calorimetry: a brief historical review of its use in the study of human metabolism and thermoregulation. <i>European Journal of Applied Physiology</i> , 2017 , 117, 1765-1785	3.4	55
14	Aerobic Fitness Modulates Whole-body Heat Loss in Young Adult Females during Exercise in the Heat. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 449	1.2	
13	Balancing ballistic protection against physiological strain: evidence from laboratory and field trials. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016 , 41, 117-24	3	16
12	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	3.7	24
11	The effects of thoracic load carriage on maximal ambulatory work tolerance and acceptable work durations. <i>European Journal of Applied Physiology</i> , 2016 , 116, 635-46	3.4	15
10	Administration of prostacyclin modulates cutaneous blood flow but not sweating in young and older males: roles for nitric oxide and calcium-activated potassium channels. <i>Journal of Physiology</i> , 2016 , 594, 6419-6429	3.9	13
9	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, 1671-81	2.9	8
8	Is the dermatomal recruitment of sweating a physiological reality or a misinterpretation?. <i>Extreme Physiology and Medicine</i> , 2015 , 4,		2
7	Employment Standards for Australian Urban Firefighters: Part 2: The Physiological Demands and the Criterion Tasks. <i>Journal of Occupational and Environmental Medicine</i> , 2015 , 57, 1072-82	2	21
6	The impact of thermal pre-conditioning on cutaneous vasomotor and shivering thresholds. <i>Extreme Physiology and Medicine</i> , 2015 , 4, A117		3

5	Postural influences on sweating: exploring the effects of gravity and pressure. <i>Extreme Physiology and Medicine</i> , 2015 , 4, A154		1
4	Revisiting ventilatory and cardiovascular predictions of whole-body metabolic rate. <i>Journal of Occupational and Environmental Medicine</i> , 2014 , 56, 214-23	2	11
3	A fractionation of the physiological burden of the personal protective equipment worn by firefighters. <i>European Journal of Applied Physiology</i> , 2012 , 112, 2913-21	3-4	96
2	Indicators to assess physiological heat strain [Part 2: Delphi exercise. <i>Temperature</i> , 1-11	5-2	3
1	Indicators to assess physiological heat strain [Part 3: Multi-country field evaluation and consensus recommendations. <i>Temperature</i> , 1-18	5-2	3