

Sean R Notley

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

1,412
citations

411340

20
h-index

445137

33
g-index

104
all docs

104
docs citations

104
times ranked

986
citing authors

#	ARTICLE	IF	CITATIONS
1	A fractionation of the physiological burden of the personal protective equipment worn by firefighters. <i>European Journal of Applied Physiology</i> , 2012, 112, 2913-2921.	1.2	117
2	Physiological factors characterizing heat-vulnerable older adults: A narrative review. <i>Environment International</i> , 2020, 144, 105909.	4.8	116
3	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.	1.2	87
4	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.	0.9	65
5	Variations in body morphology explain sex differences in thermoeffector function during compensable heat stress. <i>Experimental Physiology</i> , 2017, 102, 545-562.	0.9	62
6	Towards establishing evidence-based guidelines on maximum indoor temperatures during hot weather in temperate continental climates. <i>Temperature</i> , 2019, 6, 11-36.	1.7	46
7	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, 7698.	1.2	44
8	Time following ingestion does not influence the validity of telemetry pill measurements of core temperature during exercise-heat stress: The journal <i>Temperature</i> toolbox. <i>Temperature</i> , 2021, 8, 12-20.	1.7	35
9	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.	1.2	34
10	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.	1.2	32
11	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.	0.9	29
12	Exercise Heat Stress in Patients With and Without Type 2 Diabetes. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 1409.	3.8	29
13	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.	0.2	27
14	Ageing 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.	0.2	26
15	Ageing and human heat dissipation during exercise-heat stress: an update and future directions. <i>Current Opinion in Physiology</i> , 2019, 10, 219-225.	0.9	26
16	Occupational heat stress management: Does one size fit all?. <i>American Journal of Industrial Medicine</i> , 2019, 62, 1017-1023.	1.0	26
17	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.	0.9	25
18	Employment Standards for Australian Urban Firefighters. <i>Journal of Occupational and Environmental Medicine</i> , 2015, 57, 1072-1082.	0.9	24

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19	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.	0.2	24
20	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.	0.2	24
21	Exercise Thermoregulation in Prepubertal Children: A Brief Methodological Review. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 2412-2422.	0.2	22
22	Balancing ballistic protection against physiological strain: evidence from laboratory and field trials. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016, 41, 117-124.	0.9	21
23	Indicators to assess physiological heat strain – Part 3: Multi-country field evaluation and consensus recommendations. <i>Temperature</i> , 2022, 9, 274-291.	1.7	21
24	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.	0.9	20
25	Cumulative effects of successive workdays in the heat on thermoregulatory function in the aging worker. <i>Temperature</i> , 2018, 5, 293-295.	1.7	20
26	The effects of thoracic load carriage on maximal ambulatory work tolerance and acceptable work durations. <i>European Journal of Applied Physiology</i> , 2016, 116, 635-646.	1.2	17
27	Evidence for age-related differences in heat acclimatisation responsiveness. <i>Experimental Physiology</i> , 2020, 105, 1491-1499.	0.9	15
28	Australian firefighters perceptions of heat stress, fatigue and recovery practices during fire-fighting tasks in extreme environments. <i>Applied Ergonomics</i> , 2021, 95, 103449.	1.7	15
29	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.	1.3	14
30	Revisiting Ventilatory and Cardiovascular Predictions of Whole-Body Metabolic Rate. <i>Journal of Occupational and Environmental Medicine</i> , 2014, 56, 214-223.	0.9	13
31	Fluid Loss during Exercise-Heat Stress Reduces Cardiac Vagal Autonomic Modulation. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 362-369.	0.2	13
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.	1.8	12
33	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.	0.2	12
34	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.	0.9	11
35	Climate Change and Heat Exposure: Impact on Health in Occupational and General Populations. , 2020, , 225-261.		11
36	Indicators to assess physiological heat strain – Part 2: Delphi exercise. <i>Temperature</i> , 0, , 1-11.	1.7	11

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37	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, 1671-1681.	1.1	10
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.	1.7	10
39	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.	1.2	10
40	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.	1.1	10
41	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.	1.1	10
42	Do sex differences in thermoregulation pose a concern for female athletes preparing for the Tokyo Olympics?. <i>British Journal of Sports Medicine</i> , 2021, 55, 298-299.	3.1	9
43	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.	1.3	8
44	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.	1.7	8
45	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.	1.0	8
46	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.	0.4	8
47	Impact of uncomplicated controlled hypertension on thermoregulation during exercise-heat stress. <i>Journal of Human Hypertension</i> , 2020, 35, 880-883.	1.0	8
48	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.	0.9	8
49	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.	0.9	7
50	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.	2.9	7
51	Heart rate variability dynamics during treatment for exertional heat strain when immediate response is not possible. <i>Experimental Physiology</i> , 2019, 104, 845-854.	0.9	7
52	Cutaneous vasomotor adaptation following repeated, isothermal heat exposures: evidence of adaptation specificity. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018, 43, 415-418.	0.9	6
53	Age differences in cardiac autonomic regulation during intermittent exercise in the heat. <i>European Journal of Applied Physiology</i> , 2020, 120, 453-465.	1.2	6
54	Exercise-heat tolerance in middle-aged-to-older men with type 2 diabetes. <i>Acta Diabetologica</i> , 2021, 58, 809-812.	1.2	6

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55	Scaling the peak and steady-state aerobic power of running and walking humans. <i>European Journal of Applied Physiology</i> , 2021, 121, 2925-2938.	1.2	6
56	Serum Klotho Concentrations in Young and Older Men During Prolonged Exercise in Temperate and Hot Conditions. <i>Current Aging Science</i> , 2022, 15, 180-185.	0.4	6
57	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.	0.9	5
58	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.	0.9	5
59	Cardiac autonomic modulation in type 1 diabetes during exercise-heat stress. <i>Acta Diabetologica</i> , 2020, 57, 959-963.	1.2	5
60	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.	0.9	5
61	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.	0.9	5
62	Diminished heart rate variability in type 2 diabetes is exacerbated during exercise-heat stress. <i>Acta Diabetologica</i> , 2020, 57, 899-901.	1.2	5
63	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> , 2022, 19, 12-22.	0.4	5
64	Revisiting the dermatomal recruitment of, and pressure-dependent influences on, human eccrine sweating. <i>Journal of Thermal Biology</i> , 2019, 82, 52-62.	1.1	4
65	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.	0.9	4
66	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.	0.9	4
67	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.	0.2	4
68	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.	0.2	4
69	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.	1.1	4
70	The impact of thermal pre-conditioning on cutaneous vasomotor and shivering thresholds. <i>Extreme Physiology and Medicine</i> , 2015, 4, A117.	2.5	3
71	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.	1.2	3
72	Effects of exercise-heat stress on circulating stress hormones and interleukin-6 in young and older men. <i>Temperature</i> , 2020, 7, 389-393.	1.7	3

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73	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.	0.4	3
74	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, 1249-1259.	1.2	3
75	Revisiting regional variation in the age-related reduction in sweat rate during passive heat stress. <i>Physiological Reports</i> , 2022, 10, e15250.	0.7	3
76	Is the dermatomal recruitment of sweating a physiological reality or a misinterpretation?. <i>Extreme Physiology and Medicine</i> , 2015, 4, .	2.5	2
77	Individual differences in thermoeffector function in the heat: morphological variations help determine effector activation. <i>Extreme Physiology and Medicine</i> , 2015, 4, A102.	2.5	2
78	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.	0.9	2
79	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.	0.9	2
80	Heat adaptation in humans: extrapolating from basic to applied science. <i>European Journal of Applied Physiology</i> , 2021, 121, 1237-1238.	1.2	2
81	Initial stay times for uncompensable occupational heat stress in young and older men: a preliminary assessment. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021, , .	0.9	2
82	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.	0.9	2
83	Heat Strain in Middle-aged and Young Men During Prolonged Work in the Heat. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	2
84	Effects of sex and wet-bulb globe temperature on heart rate variability during prolonged moderate-intensity exercise: a secondary analysis. <i>Applied Physiology, Nutrition and Metabolism</i> , 2022, 47, 725-736.	0.9	2
85	Effect of extracellular hyperosmolality during normothermia and hyperthermia on the autophagic response in peripheral blood mononuclear cells from young men. <i>Journal of Applied Physiology</i> , 2022, 132, 995-1004.	1.2	2
86	Postural influences on sweating: exploring the effects of gravity and pressure. <i>Extreme Physiology and Medicine</i> , 2015, 4, A154.	2.5	1
87	Postexercise whole-body sweating increases during muscle metaboreceptor activation in young men. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018, 43, 423-426.	0.9	1
88	Characterizing Heat Stress and Strain in Electric Utility Workers by Means of a Questionnaire. <i>FASEB Journal</i> , 2018, 32, .	0.2	1
89	The effect of extracellular hyperosmolality on sweat rate during metaboreflex activation in passively heated young men. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, , .	0.9	1
90	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.	0.2	0

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91	Prolonged Work in the Heat Impairs Heat Loss on the Next day in Older Men. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 621.	0.2	0
92	Defining Acceptable Coldâ€Water Immersion Times for the Treatment of Exertional Hyperthermia When Rectal Temperature Measurements are not Available. <i>FASEB Journal</i> , 2018, 32, 859.4.	0.2	0
93	Hypohydration does not Exacerbate Ageâ€related Impairments in Wholeâ€body Heat Loss during Exercise in the Heat.. <i>FASEB Journal</i> , 2018, 32, 859.3.	0.2	0
94	On the effects of constant and variable work of equivalent average intensity on wholeâ€body heat exchange. <i>FASEB Journal</i> , 2019, 33, 842.4.	0.2	0
95	A Preliminary Analysis of the Interâ€Individual Determinants of Wholeâ€Body Heat Exchange in 100 Young Men and Women during Exercise in the Heat. <i>FASEB Journal</i> , 2019, 33, 842.8.	0.2	0
96	Regional Variations in the Reliability of Local Sweat Rate Measured via the Ventilated Capsule Technique during Wholeâ€body Passive Heating. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
97	Reliability of Reflex Cutaneous Vasodilation on the Forearm Measured Using Laserâ€Doppler Flowmetry During Wholeâ€body Passive Heating. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
98	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.	0.2	0
99	Blunted Effects of Elevated Serum Osmolality on Wholeâ€body Heat Loss and Rectal Temperature in Middleâ€agedâ€older Men Exercising in Dry Heat. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
100	On the Effect of Sex on Heat Strain During Prolonged Work in the Heat. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
101	Wholeâ€body Heat Exchange in Young and Middleâ€Aged Men during Constantâ€and Variableâ€Intensity Work of Equivalent Metabolic Demand in Dry Heat. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
102	Blunted Autophagy and Heat Shock Responses in Peripheral Blood Mononuclear Cells of Elderly Adults During Prolonged, Extremeâ€Heat Exposure. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0