

# Ian B Stewart

## List of Publications by Year in descending order

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Version: 2024-02-01

96  
papers

2,279  
citations

218381

26  
h-index

253896

43  
g-index

99  
all docs

99  
docs citations

99  
times ranked

3072  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat Stress Management in the Military: Wet-Bulb Globe Temperature Offsets for Modern Body Armor Systems. <i>Human Factors</i> , 2022, 64, 1306-1316.	2.1	4
2	Sex-based differences in body core temperature response across repeat work bouts in the heat. <i>Applied Ergonomics</i> , 2022, 98, 103586.	1.7	6
3	Modified Stroop task performance when wearing protective clothing in the heat: An evaluation of the maximum adaptability model. <i>Physiology and Behavior</i> , 2022, 246, 113690.	1.0	2
4	Potential role of passively increased muscle temperature on contractile function. <i>European Journal of Applied Physiology</i> , 2022, 122, 2153-2162.	1.2	7
5	Monitoring heat strain: the effect of sensor type and location on single-site and mean skin temperature during work in the heat. <i>International Archives of Occupational and Environmental Health</i> , 2021, 94, 539-546.	1.1	6
6	Analysing the predictive capacity and dose-response of wellness in load monitoring. <i>Journal of Sports Sciences</i> , 2021, 39, 1339-1347.	1.0	7
7	Female (Under) Representation in Exercise Thermoregulation Research. <i>Sports Medicine - Open</i> , 2021, 7, 43.	1.3	31
8	Short-term heat acclimation preserves knee extensor torque but does not improve 20 km self-paced cycling performance in the heat. <i>European Journal of Applied Physiology</i> , 2021, 121, 2761-2772.	1.2	4
9	Contribution of Dietary Composition on Water Turnover Rates in Active and Sedentary Men. <i>Nutrients</i> , 2021, 13, 2124.	1.7	1
10	Practical method for determining safe work while wearing explosive ordnance disposal suits. <i>Safety Science</i> , 2021, 141, 105328.	2.6	1
11	The availability of task-specific feedback does not affect 20 km time trial cycling performance or test-retest reliability in trained cyclists. <i>Journal of Science and Medicine in Sport</i> , 2020, 23, 758-763.	0.6	1
12	Does exercise intensity affect wellness scores in a dose-dependent fashion?. <i>European Journal of Sport Science</i> , 2020, 20, 1395-1404.	1.4	8
13	Correspondence: Indices of physiological strain for firefighters of the Australian Defence Forces. <i>Journal of Occupational and Environmental Hygiene</i> , 2020, 17, D13-D14.	0.4	0
14	Biophysical, psychrometric and physiological limits for continuous liquid and air-based personal cooling systems in working men: A case for amending ASTM2300-10(2016). <i>Safety Science</i> , 2020, 132, 104980.	2.6	0
15	The Effect of Overreaching on Neuromuscular Performance and Wellness Responses in Australian Rules Football Athletes. <i>Journal of Strength and Conditioning Research</i> , 2020, 34, 1530-1538.	1.0	7
16	Extending work tolerance time in the heat in protective ensembles with pre- and per-cooling methods. <i>Applied Ergonomics</i> , 2020, 85, 103064.	1.7	8
17	Thermal Infrared Imaging Can Differentiate Skin Temperature Changes Associated With Intense Single Leg Exercise, But Not With Delayed Onset of Muscle Soreness. <i>Journal of Sports Science and Medicine</i> , 2020, 19, 469-477.	0.7	1
18	Validity of a noninvasive estimation of deep body temperature when wearing personal protective equipment during exercise and recovery. <i>Military Medical Research</i> , 2019, 6, 20.	1.9	14

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19	Indices of physiological strain for firefighters of the Australian Defence Forces. <i>Journal of Occupational and Environmental Hygiene</i> , 2019, 16, 727-734.	0.4	11
20	Acute glutamine supplementation does not improve 20-km self-paced cycling performance in the heat. <i>European Journal of Applied Physiology</i> , 2019, 119, 2567-2578.	1.2	9
21	The effect of cycling in the heat on gastrointestinal-induced damage and neuromuscular fatigue. <i>European Journal of Applied Physiology</i> , 2019, 119, 1829-1840.	1.2	9
22	An Evaluation of Personal Cooling Systems for Reducing Thermal Strain Whilst Working in Chemical/Biological Protective Clothing. <i>Frontiers in Physiology</i> , 2019, 10, 424.	1.3	29
23	Passive heating and glycaemic control in non-diabetic and diabetic individuals: A systematic review and meta-analysis. <i>PLoS ONE</i> , 2019, 14, e0214223.	1.1	9
24	Kinetics of Lower Limb Prosthesis: Automated Detection of Vertical Loading Rate. <i>Prosthesis</i> , 2019, 1, 16-28.	1.1	4
25	Could Heat Therapy Be an Effective Treatment for Alzheimer's and Parkinson's Diseases? A Narrative Review. <i>Frontiers in Physiology</i> , 2019, 10, 1556.	1.3	31
26	The reproducibility of 10 and 20 km time trial cycling performance in recreational cyclists, runners and team sport athletes. <i>Journal of Science and Medicine in Sport</i> , 2018, 21, 858-863.	0.6	19
27	Bayesian Methods Might Solve the Problems with Magnitude-based Inference. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 2609-2610.	0.2	7
28	Occupational cooling practices of emergency first responders in the United States: A survey. <i>Temperature</i> , 2018, 5, 348-358.	1.7	16
29	In patients with unilateral pleural effusion, restricted lung inflation is the principal predictor of increased dyspnoea. <i>PLoS ONE</i> , 2018, 13, e0202621.	1.1	15
30	Investigating the Relationships between Safety Climate and Safety Performance Indicators in Retrofitting Works. <i>Construction Economics and Building</i> , 2018, 18, 110-129.	0.5	28
31	The impact of environmental temperature deception on perceived exertion during fixed-intensity exercise in the heat in trained-cyclists. <i>Physiology and Behavior</i> , 2018, 194, 333-340.	1.0	4
32	Internal and external cooling methods and their effect on body temperature, thermal perception and dexterity. <i>PLoS ONE</i> , 2018, 13, e0191416.	1.1	21
33	The Pandolf load carriage equation is a poor predictor of metabolic rate while wearing explosive ordnance disposal protective clothing. <i>Ergonomics</i> , 2017, 60, 430-438.	1.1	12
34	Human runners exhibit a least variable gait speed. <i>Journal of Sports Sciences</i> , 2017, 35, 2211-2219.	1.0	3
35	Perceived exertion is as effective as the perceptual strain index in predicting physiological strain when wearing personal protective clothing. <i>Physiology and Behavior</i> , 2017, 169, 216-223.	1.0	20
36	Exertional dyspnea associated with chest wall strapping is reduced when external dead space substitutes for part of the exercise stimulus to ventilation. <i>Journal of Applied Physiology</i> , 2017, 122, 1179-1187.	1.2	2

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37	Intraocular Pressure Is a Poor Predictor of Hydration Status following Intermittent Exercise in the Heat. <i>Frontiers in Physiology</i> , 2017, 8, 36.	1.3	2
38	The Systematic Bias of Ingestible Core Temperature Sensors Requires a Correction by Linear Regression. <i>Frontiers in Physiology</i> , 2017, 8, 260.	1.3	16
39	An Overt Chemical Protective Garment Reduces Thermal Strain Compared with a Covert Garment in Warm-Wet but Not Hot-Dry Environments. <i>Frontiers in Physiology</i> , 2017, 8, 913.	1.3	10
40	Falls from Height in the Construction Industry: A Critical Review of the Scientific Literature. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 638.	1.2	153
41	Cochrane review: whole-body cryotherapy (extreme cold air exposure) for preventing and treating muscle soreness after exercise in adults. <i>Journal of Evidence-Based Medicine</i> , 2016, 9, 43-44.	2.4	17
42	Heat acclimation for protection from exertional heat stress. <i>The Cochrane Library</i> , 2016, , .	1.5	3
43	Whole-body cryotherapy (extreme cold air exposure) for preventing and treating muscle soreness after exercise in adults. <i>The Cochrane Library</i> , 2015, 2015, CD010789.	1.5	65
44	Does the technique employed for skin temperature assessment alter outcomes? A systematic review. <i>Physiological Measurement</i> , 2015, 36, R27-R51.	1.2	31
45	An eye on hydration: efficacy of intraocular pressure to measure body water deficit. <i>Extreme Physiology and Medicine</i> , 2015, 4, .	2.5	0
46	Can perceptual indices estimate physiological strain when wearing personal protective clothing in the heat?. <i>Extreme Physiology and Medicine</i> , 2015, 4, .	2.5	0
47	Predicting the metabolic cost of walking while wearing explosive ordnance disposal protective clothing. <i>Extreme Physiology and Medicine</i> , 2015, 4, .	2.5	1
48	Inside the 'Hurt Locker': the combined effects of explosive ordnance disposal and chemical protective clothing on physiological tolerance time in extreme environments. <i>Extreme Physiology and Medicine</i> , 2015, 4, .	2.5	0
49	Effects of Resistance Training on Measures of Muscular Strength in People with Parkinson's Disease: A Systematic Review and Meta-Analysis. <i>PLoS ONE</i> , 2015, 10, e0132135.	1.1	46
50	The Effects of Metabolic Work Rate and Ambient Environment on Physiological Tolerance Times While Wearing Explosive and Chemical Personal Protective Equipment. <i>BioMed Research International</i> , 2015, 1-7.	0.9	17
51	The effect of using different regions of interest on local and mean skin temperature. <i>Journal of Thermal Biology</i> , 2015, 49-50, 33-38.	1.1	30
52	Inside the 'Hurt Locker': The Combined Effects of Explosive Ordnance Disposal and Chemical Protective Clothing on Physiological Tolerance Time in Extreme Environments. <i>Annals of Occupational Hygiene</i> , 2015, 59, 922-931.	1.9	8
53	Minimum Cost of Transport in Human Running Is Not Ubiquitous. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 307-314.	0.2	8
54	Can perceptual indices estimate physiological strain across a range of environments and metabolic workloads when wearing explosive ordnance disposal and chemical protective clothing?. <i>Physiology and Behavior</i> , 2015, 147, 71-77.	1.0	17

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55	The effect of a supervised exercise training programme on sleep quality in recently discharged heart failure patients. <i>European Journal of Cardiovascular Nursing</i> , 2015, 14, 198-205.	0.4	28
56	Heat strain evaluation of overt and covert body armour in a hot and humid environment. <i>Applied Ergonomics</i> , 2015, 47, 11-15.	1.7	20
57	A Comparison between Conductive and Infrared Devices for Measuring Mean Skin Temperature at Rest, during Exercise in the Heat, and Recovery. <i>PLoS ONE</i> , 2015, 10, e0117907.	1.1	52
58	Heat Strain and Hydration Status of Surface Mine Blast Crew Workers. <i>Journal of Occupational and Environmental Medicine</i> , 2014, 56, 409-414.	0.9	23
59	Physiological Tolerance Times while Wearing Explosive Ordnance Disposal Protective Clothing in Simulated Environmental Extremes. <i>PLoS ONE</i> , 2014, 9, e83740.	1.1	33
60	A home-based progressive resistance exercise programme for patients with venous leg ulcers: a feasibility study. <i>International Wound Journal</i> , 2013, 10, 389-396.	1.3	45
61	Symptoms of heat illness in surface mine workers. <i>International Archives of Occupational and Environmental Health</i> , 2013, 86, 519-527.	1.1	27
62	Exercise-Based Cardiac Rehabilitation for the 21st Century. <i>Current Cardiovascular Risk Reports</i> , 2013, 7, 288-292.	0.8	2
63	Bomb Disposal in the Tropics: A Cocktail of Metabolic and Environmental Heat. <i>Journal of Ergonomics</i> , 2013, 3, .	0.2	1
64	Utility of an alternative bicycle commute route of lower proximity to motorised traffic in decreasing exposure to ultra-fine particles, respiratory symptoms and airway inflammation – a structured exposure experiment. <i>Environmental Health</i> , 2013, 12, 29.	1.7	48
65	Inhaled particle counts on bicycle commute routes of low and high proximity to motorised traffic. <i>Atmospheric Environment</i> , 2012, 61, 197-203.	1.9	52
66	The intraocular pressure response to dehydration: a pilot study. <i>European Journal of Applied Physiology</i> , 2012, 112, 1963-1966.	1.2	17
67	Mild systemic hypoxia and photopic visual field sensitivity. <i>Acta Ophthalmologica</i> , 2011, 89, e199-e204.	0.6	7
68	Heat Strain During Explosive Ordnance Disposal. <i>Military Medicine</i> , 2011, 176, 959-963.	0.4	23
69	Negligible heat strain in armored vehicle officers wearing personal body armor. <i>Journal of Occupational Medicine and Toxicology</i> , 2011, 6, 22.	0.9	10
70	Development and Feasibility of a Smartphone, ECG and GPS Based System for Remotely Monitoring Exercise in Cardiac Rehabilitation. <i>PLoS ONE</i> , 2011, 6, e14669.	1.1	164
71	Can venous occlusion plethysmography be used to measure high rates of arterial inflow?. <i>European Journal of Applied Physiology</i> , 2010, 108, 239-245.	1.2	8
72	Randomised controlled trial of an automated, interactive telephone intervention to improve type 2 diabetes self-management (Telephone-Linked Care Diabetes Project): study protocol. <i>BMC Public Health</i> , 2010, 10, 599.	1.2	15

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73	Spontaneous Pacing during Overground Hill Running. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 160-169.	0.2	52
74	Plasma ATP concentration and venous oxygen content in the forearm during dynamic handgrip exercise. <i>BMC Physiology</i> , 2009, 9, 24.	3.6	8
75	Occupational and environmental hazard assessments for the isolation, purification and toxicity testing of cyanobacterial toxins. <i>Environmental Health</i> , 2009, 8, 52.	1.7	18
76	Physical capacity of rescue personnel in the mining industry. <i>Journal of Occupational Medicine and Toxicology</i> , 2008, 3, 22.	0.9	18
77	Calibration of an ingestible temperature sensor. <i>Physiological Measurement</i> , 2008, 29, N71-N78.	1.2	24
78	Local Neuroretinal Function during Acute Hypoxia in Healthy Older People. , 2008, 49, 807.		14
79	Assessment of Speed and Position during Human Locomotion Using Nondifferential GPS. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 124-132.	0.2	130
80	Effects of Maximal Static Apnea on Antioxidant Defenses in Trained Free Divers. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 1307-1313.	0.2	12
81	The effect of changing limb position on the validity of venous occlusion plethysmography. <i>Physiological Measurement</i> , 2007, 28, 861-867.	1.2	3
82	Experimental hypoxia in human eyes: Implications for ischaemic disease. <i>Clinical Neurophysiology</i> , 2007, 118, 887-895.	0.7	24
83	Energy balance during two days of continuous stationary cycling. <i>Journal of the International Society of Sports Nutrition</i> , 2007, 4, 15.	1.7	14
84	Short-term effects of cycle and treadmill training on exercise tolerance in peripheral arterial disease. <i>Journal of Vascular Surgery</i> , 2006, 44, 119-127.	0.6	70
85	Effect of training on the response of plasma vascular endothelial growth factor to exercise in patients with peripheral arterial disease. <i>Clinical Science</i> , 2006, 111, 401-409.	1.8	42
86	Effect of prolonged exercise on arterial oxygen saturation in athletes susceptible to exercise-induced hypoxemia. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2006, 17, 061120070736032-???	1.3	10
87	Arterial Oxygen Desaturation Kinetics during Apnea. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, 1871-1876.	0.2	22
88	Applying a mathematical model to training adaptation in a distance runner. <i>European Journal of Applied Physiology</i> , 2005, 94, 310-316.	1.2	36
89	Effects of upper extremity exercise training on peak aerobic and anaerobic fitness in patients after transplantation. <i>American Journal of Cardiology</i> , 2004, 93, 939-943.	0.7	34
90	Effect of a Long- and Short-Acting ??2-Agonist on Exercise-Induced Arterial Hypoxemia. <i>Medicine and Science in Sports and Exercise</i> , 2003, 35, 603-607.	0.2	5

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91	Cardiovascular and splenic responses to exercise in humans. <i>Journal of Applied Physiology</i> , 2003, 94, 1619-1626.	1.2	68
92	Acute formoterol administration has no ergogenic effect in nonasthmatic athletes. <i>Medicine and Science in Sports and Exercise</i> , 2002, 34, 213-217.	0.2	29
93	The Asthmatic Athlete, Inhaled Beta Agonists, and Performance. <i>Clinical Journal of Sport Medicine</i> , 2002, 12, 225-228.	0.9	22
94	The Human Spleen During Physiological Stress. <i>Sports Medicine</i> , 2002, 32, 361-369.	3.1	159
95	Effect of body position on measurements of diffusion capacity after exercise. <i>British Journal of Sports Medicine</i> , 2000, 34, 440-444.	3.1	14
96	The Effect of Warm-Up Intensity on Range of Motion and Anaerobic Performance. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 1998, 27, 154-161.	1.7	83