Ian B Stewart

List of Publications by Year in descending order

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	Development and Feasibility of a Smartphone, ECG and GPS Based System for Remotely Monitoring Exercise in Cardiac Rehabilitation. PLoS ONE, 2011, 6, e14669.	1.1	164
2	The Human Spleen During Physiological Stress. Sports Medicine, 2002, 32, 361-369.	3.1	159
3	Falls from Height in the Construction Industry: A Critical Review of the Scientific Literature. International Journal of Environmental Research and Public Health, 2016, 13, 638.	1.2	153
4	Assessment of Speed and Position during Human Locomotion Using Nondifferential GPS. Medicine and Science in Sports and Exercise, 2008, 40, 124-132.	0.2	130
5	The Effect of Warm-Up Intensity on Range of Motion and Anaerobic Performance. Journal of Orthopaedic and Sports Physical Therapy, 1998, 27, 154-161.	1.7	83
6	Short-term effects of cycle and treadmill training on exercise tolerance in peripheral arterial disease. Journal of Vascular Surgery, 2006, 44, 119-127.	0.6	70
7	Cardiovascular and splenic responses to exercise in humans. Journal of Applied Physiology, 2003, 94, 1619-1626.	1.2	68
8	Whole-body cryotherapy (extreme cold air exposure) for preventing and treating muscle soreness after exercise in adults. The Cochrane Library, 2015, 2015, CD010789.	1.5	65
9	Spontaneous Pacing during Overground Hill Running. Medicine and Science in Sports and Exercise, 2010, 42, 160-169.	0.2	52
10	Inhaled particle counts on bicycle commute routes of low and high proximity to motorised traffic. Atmospheric Environment, 2012, 61, 197-203.	1.9	52
11	A Comparison between Conductive and Infrared Devices for Measuring Mean Skin Temperature at Rest, during Exercise in the Heat, and Recovery. PLoS ONE, 2015, 10, e0117907.	1.1	52
12	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 â€“ a structured exposure experiment. Environmental Health, 2013, 12, 29.	1.7	48
13	Effects of Resistance Training on Measures of Muscular Strength in People with Parkinsonâ€™s Disease: A Systematic Review and Meta-Analysis. PLoS ONE, 2015, 10, e0132135.	1.1	46
14	A homeâ€based progressive resistance exercise programme for patients with venous leg ulcers: a feasibility study. International Wound Journal, 2013, 10, 389-396.	1.3	45
15	Effect of training on the response of plasma vascular endothelial growth factor to exercise in patients with peripheral arterial disease. Clinical Science, 2006, 111, 401-409.	1.8	42
16	Applying a mathematical model to training adaptation in a distance runner. European Journal of Applied Physiology, 2005, 94, 310-316.	1.2	36
17	Effects of upper extremity exercise training on peak aerobic and anaerobic fitness in patients after transplantation. American Journal of Cardiology, 2004, 93, 939-943.	0.7	34
18	Physiological Tolerance Times while Wearing Explosive Ordnance Disposal Protective Clothing in Simulated Environmental Extremes. PLoS ONE, 2014, 9, e83740.	1.1	33

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19	Does the technique employed for skin temperature assessment alter outcomes? A systematic review. Physiological Measurement, 2015, 36, R27-R51.	1.2	31
20	Could Heat Therapy Be an Effective Treatment for Alzheimerâ€™s and Parkinsonâ€™s Diseases? A Narrative Review. Frontiers in Physiology, 2019, 10, 1556.	1.3	31
21	Female (Under) Representation in Exercise Thermoregulation Research. Sports Medicine - Open, 2021, 7, 43.	1.3	31
22	The effect of using different regions of interest on local and mean skin temperature. Journal of Thermal Biology, 2015, 49-50, 33-38.	1.1	30
23	Acute formoterol administration has no ergogenic effect in nonasthmatic athletes. Medicine and Science in Sports and Exercise, 2002, 34, 213-217.	0.2	29
24	An Evaluation of Personal Cooling Systems for Reducing Thermal Strain Whilst Working in Chemical/Biological Protective Clothing. Frontiers in Physiology, 2019, 10, 424.	1.3	29
25	The effect of a supervised exercise training programme on sleep quality in recently discharged heart failure patients. European Journal of Cardiovascular Nursing, 2015, 14, 198-205.	0.4	28
26	Investigating the Relationships between Safety Climate and Safety Performance Indicators in Retrofitting Works. Construction Economics and Building, 2018, 18, 110-129.	0.5	28
27	Symptoms of heat illness in surface mine workers. International Archives of Occupational and Environmental Health, 2013, 86, 519-527.	1.1	27
28	Experimental hypoxia in human eyes: Implications for ischaemic disease. Clinical Neurophysiology, 2007, 118, 887-895.	0.7	24
29	Calibration of an ingestible temperature sensor. Physiological Measurement, 2008, 29, N71-N78.	1.2	24
30	Heat Strain During Explosive Ordnance Disposal. Military Medicine, 2011, 176, 959-963.	0.4	23
31	Heat Strain and Hydration Status of Surface Mine Blast Crew Workers. Journal of Occupational and Environmental Medicine, 2014, 56, 409-414.	0.9	23
32	The Asthmatic Athlete, Inhaled Beta Agonists, and Performance. Clinical Journal of Sport Medicine, 2002, 12, 225-228.	0.9	22
33	Arterial Oxygen Desaturation Kinetics during Apnea. Medicine and Science in Sports and Exercise, 2005, 37, 1871-1876.	0.2	22
34	Internal and external cooling methods and their effect on body temperature, thermal perception and dexterity. PLoS ONE, 2018, 13, e0191416.	1.1	21
35	Heat strain evaluation of overt and covert body armour in a hot and humid environment. Applied Ergonomics, 2015, 47, 11-15.	1.7	20
36	Perceived exertion is as effective as the perceptual strain index in predicting physiological strain when wearing personal protective clothing. Physiology and Behavior, 2017, 169, 216-223.	1.0	20

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37	The reproducibility of 10 and 20 km time trial cycling performance in recreational cyclists, runners and team sport athletes. Journal of Science and Medicine in Sport, 2018, 21, 858-863.	0.6	19
38	Physical capacity of rescue personnel in the mining industry. Journal of Occupational Medicine and Toxicology, 2008, 3, 22.	0.9	18
39	Occupational and environmental hazard assessments for the isolation, purification and toxicity testing of cyanobacterial toxins. Environmental Health, 2009, 8, 52.	1.7	18
40	The intraocular pressure response to dehydration: a pilot study. European Journal of Applied Physiology, 2012, 112, 1963-1966.	1.2	17
41	The Effects of Metabolic Work Rate and Ambient Environment on Physiological Tolerance Times While Wearing Explosive and Chemical Personal Protective Equipment. BioMed Research International, 2015, 2015, 1-7.	0.9	17
42	Can perceptual indices estimate physiological strain across a range of environments and metabolic workloads when wearing explosive ordnance disposal and chemical protective clothing?. Physiology and Behavior, 2015, 147, 71-77.	1.0	17
43	Cochrane review: wholeâ€body cryotherapy (extreme cold air exposure) for preventing and treating muscle soreness after exercise in adults. Journal of Evidence-Based Medicine, 2016, 9, 43-44.	2.4	17
44	The Systematic Bias of Ingestible Core Temperature Sensors Requires a Correction by Linear Regression. Frontiers in Physiology, 2017, 8, 260.	1.3	16
45	Occupational cooling practices of emergency first responders in the United States: A survey. Temperature, 2018, 5, 348-358.	1.7	16
46	Randomised controlled trial of an automated, interactive telephone intervention to improve type 2 diabetes self-management (Telephone-Linked Care Diabetes Project): study protocol. BMC Public Health, 2010, 10, 599.	1.2	15
47	In patients with unilateral pleural effusion, restricted lung inflation is the principal predictor of increased dyspnoea. PLoS ONE, 2018, 13, e0202621.	1.1	15
48	Effect of body position on measurements of diffusion capacity after exercise. British Journal of Sports Medicine, 2000, 34, 440-444.	3.1	14
49	Energy balance during two days of continuous stationary cycling. Journal of the International Society of Sports Nutrition, 2007, 4, 15.	1.7	14
50	Local Neuroretinal Function during Acute Hypoxia in Healthy Older People. , 2008, 49, 807.		14
51	Validity of a noninvasive estimation of deep body temperature when wearing personal protective equipment during exercise and recovery. Military Medical Research, 2019, 6, 20.	1.9	14
52	Effects of Maximal Static Apnea on Antioxidant Defenses in Trained Free Divers. Medicine and Science in Sports and Exercise, 2008, 40, 1307-1313.	0.2	12
53	The Pandolf load carriage equation is a poor predictor of metabolic rate while wearing explosive ordnance disposal protective clothing. Ergonomics, 2017, 60, 430-438.	1.1	12
54	Indices of physiological strain for firefighters of the Australian Defence Forces. Journal of Occupational and Environmental Hygiene, 2019, 16, 727-734.	0.4	11

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55	Effect of prolonged exercise on arterial oxygen saturation in athletes susceptible to exercise-induced hypoxemia. Scandinavian Journal of Medicine and Science in Sports, 2006, 17, 061120070736032-???.	1.3	10
56	Negligible heat strain in armored vehicle officers wearing personal body armor. Journal of Occupational Medicine and Toxicology, 2011, 6, 22.	0.9	10
57	An Overt Chemical Protective Garment Reduces Thermal Strain Compared with a Covert Garment in Warm-Wet but Not Hot-Dry Environments. Frontiers in Physiology, 2017, 8, 913.	1.3	10
58	Acute glutamine supplementation does not improve 20-km self-paced cycling performance in the heat. European Journal of Applied Physiology, 2019, 119, 2567-2578.	1.2	9
59	The effect of cycling in the heat on gastrointestinal-induced damage and neuromuscular fatigue. European Journal of Applied Physiology, 2019, 119, 1829-1840.	1.2	9
60	Passive heating and glycaemic control in non-diabetic and diabetic individuals: A systematic review and meta-analysis. PLoS ONE, 2019, 14, e0214223.	1.1	9
61	Plasma ATP concentration and venous oxygen content in the forearm during dynamic handgrip exercise. BMC Physiology, 2009, 9, 24.	3.6	8
62	Can venous occlusion plethysmography be used to measure high rates of arterial inflow?. European Journal of Applied Physiology, 2010, 108, 239-245.	1.2	8
63	Inside the â€˜Hurt Lockerâ€™: The Combined Effects of Explosive Ordnance Disposal and Chemical Protective Clothing on Physiological Tolerance Time in Extreme Environments. Annals of Occupational Hygiene, 2015, 59, 922-931.	1.9	8
64	Minimum Cost of Transport in Human Running Is Not Ubiquitous. Medicine and Science in Sports and Exercise, 2015, 47, 307-314.	0.2	8
65	Does exercise intensity affect wellness scores in a doseâ€like fashion?. European Journal of Sport Science, 2020, 20, 1395-1404.	1.4	8
66	Extending work tolerance time in the heat in protective ensembles with pre- and per-cooling methods. Applied Ergonomics, 2020, 85, 103064.	1.7	8
67	Mild systemic hypoxia and photopic visual field sensitivity. Acta Ophthalmologica, 2011, 89, e199-e204.	0.6	7
68	Bayesian Methods Might Solve the Problems with Magnitude-based Inference. Medicine and Science in Sports and Exercise, 2018, 50, 2609-2610.	0.2	7
69	The Effect of Overreaching on Neuromuscular Performance and Wellness Responses in Australian Rules Football Athletes. Journal of Strength and Conditioning Research, 2020, 34, 1530-1538.	1.0	7
70	Analysing the predictive capacity and dose-response of wellness in load monitoring. Journal of Sports Sciences, 2021, 39, 1339-1347.	1.0	7
71	Potential role of passively increased muscle temperature on contractile function. European Journal of Applied Physiology, 2022, 122, 2153-2162.	1.2	7
72	Monitoring heat strain: the effect of sensor type and location on single-site and mean skin temperature during work in the heat. International Archives of Occupational and Environmental Health, 2021, 94, 539-546.	1.1	6

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73	Sex-based differences in body core temperature response across repeat work bouts in the heat. Applied Ergonomics, 2022, 98, 103586.	1.7	6
74	Effect of a Long- and Short-Acting ??2-Agonist on Exercise-Induced Arterial Hypoxemia. Medicine and Science in Sports and Exercise, 2003, 35, 603-607.	0.2	5
75	The impact of environmental temperature deception on perceived exertion during fixed-intensity exercise in the heat in trained-cyclists. Physiology and Behavior, 2018, 194, 333-340.	1.0	4
76	Kinetics of Lower Limb Prosthesis: Automated Detection of Vertical Loading Rate. Prosthesis, 2019, 1, 16-28.	1.1	4
77	Heat Stress Management in the Military: Wet-Bulb Globe Temperature Offsets for Modern Body Armor Systems. Human Factors, 2022, 64, 1306-1316.	2.1	4
78	Short-term heat acclimation preserves knee extensor torque but does not improve 20Âkm self-paced cycling performance in the heat. European Journal of Applied Physiology, 2021, 121, 2761-2772.	1.2	4
79	The effect of changing limb position on the validity of venous occlusion plethysmography. Physiological Measurement, 2007, 28, 861-867.	1.2	3
80	Heat acclimation for protection from exertional heat stress. The Cochrane Library, 2016, , .	1.5	3
81	Human runners exhibit a least variable gait speed. Journal of Sports Sciences, 2017, 35, 2211-2219.	1.0	3
82	Exercise-Based Cardiac Rehabilitation for the 21st Century. Current Cardiovascular Risk Reports, 2013, 7, 288-292.	0.8	2
83	Exertional dyspnea associated with chest wall strapping is reduced when external dead space substitutes for part of the exercise stimulus to ventilation. Journal of Applied Physiology, 2017, 122, 1179-1187.	1.2	2
84	Intraocular Pressure Is a Poor Predictor of Hydration Status following Intermittent Exercise in the Heat. Frontiers in Physiology, 2017, 8, 36.	1.3	2
85	Modified Stroop task performance when wearing protective clothing in the heat: An evaluation of the maximum adaptability model. Physiology and Behavior, 2022, 246, 113690.	1.0	2
86	Bomb Disposal in the Tropics: A Cocktail of Metabolic and Environmental Heat. Journal of Ergonomics, 2013, 3, .	0.2	1
87	Predicting the metabolic cost of walking while wearing explosive ordnance disposal protective clothing. Extreme Physiology and Medicine, 2015, 4, .	2.5	1
88	The availability of task-specific feedback does not affect 20 km time trial cycling performance or test-retest reliability in trained cyclists. Journal of Science and Medicine in Sport, 2020, 23, 758-763.	0.6	1
89	Contribution of Dietary Composition on Water Turnover Rates in Active and Sedentary Men. Nutrients, 2021, 13, 2124.	1.7	1
90	Practical method for determining safe work while wearing explosive ordnance disposal suits. Safety Science, 2021, 141, 105328.	2.6	1

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91	Thermal Infrared Imaging Can Differentiate Skin Temperature Changes Associated With Intense Single Leg Exercise, But Not With Delayed Onset of Muscle Soreness. Journal of Sports Science and Medicine, 2020, 19, 469-477.	0.7	1
92	An eye on hydration: efficacy of intraocular pressure to measure body water deficit. Extreme Physiology and Medicine, 2015, 4, .	2.5	0
93	Can perceptual indices estimate physiological strain when wearing personal protective clothing in the heat?. Extreme Physiology and Medicine, 2015, 4, .	2.5	0
94	Inside the 'Hurt Locker': the combined effects of explosive ordnance disposal and chemical protective clothing on physiological tolerance time in extreme environments. Extreme Physiology and Medicine, 2015, 4, .	2.5	0
95	Correspondence: Indices of physiological strain for firefighters of the Australian Defence Forces. Journal of Occupational and Environmental Hygiene, 2020, 17, D13-D14.	0.4	0
96	Biophysical, psychrometric and physiological limits for continuous liquid and air-based personal cooling systems in working men: A case for amending ASTM2300-10(2016). Safety Science, 2020, 132, 104980.	2.6	0