

# Chris R Abbiss

## List of Publications by Year in descending order

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Version: 2024-02-01

89  
papers

3,223  
citations

159525

30  
h-index

168321

53  
g-index

89  
all docs

89  
docs citations

89  
times ranked

3259  
citing authors

#	ARTICLE	IF	CITATIONS
1	Models to Explain Fatigue during Prolonged Endurance Cycling. <i>Sports Medicine</i> , 2005, 35, 865-898.	3.1	259
2	Reliability of Time-to-Exhaustion versus Time-Trial Running Tests in Runners. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, 1374-1379.	0.2	155
3	Changes in markers of muscle damage, inflammation and HSP70 after an Ironman triathlon race. <i>European Journal of Applied Physiology</i> , 2006, 98, 525-534.	1.2	153
4	Role of Ratings of Perceived Exertion during Self-Paced Exercise: What are We Actually Measuring?. <i>Sports Medicine</i> , 2015, 45, 1235-1243.	3.1	146
5	What are the Physiological Mechanisms for Post-Exercise Cold Water Immersion in the Recovery from Prolonged Endurance and Intermittent Exercise?. <i>Sports Medicine</i> , 2016, 46, 1095-1109.	3.1	136
6	Iron Status and the Acute Post-Exercise Hepcidin Response in Athletes. <i>PLoS ONE</i> , 2014, 9, e93002.	1.1	118
7	Precooling Methods and Their Effects on Athletic Performance. <i>Sports Medicine</i> , 2013, 43, 207-225.	3.1	104
8	Core temperature and hydration status during an Ironman triathlon * Commentary * Commentary. <i>British Journal of Sports Medicine</i> , 2006, 40, 320-325.	3.1	96
9	Weight Loss Strategies in Combat Sports and Concerning Habits in Mixed Martial Arts. <i>International Journal of Sports Physiology and Performance</i> , 2018, 13, 933-939.	1.1	83
10	Effect of a 5-min cold-water immersion recovery on exercise performance in the heat. <i>British Journal of Sports Medicine</i> , 2010, 44, 461-465.	3.1	80
11	Effect of cold water immersion after exercise in the heat on muscle function, body temperatures, and vessel diameter. <i>Journal of Science and Medicine in Sport</i> , 2009, 12, 91-96.	0.6	77
12	Influence of Postexercise Cooling on Muscle Oxygenation and Blood Volume Changes. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 876-882.	0.2	75
13	Effect of cold-water immersion duration on body temperature and muscle function. <i>Journal of Sports Sciences</i> , 2009, 27, 987-993.	1.0	73
14	Current hydration guidelines are erroneous: dehydration does not impair exercise performance in the heat. <i>British Journal of Sports Medicine</i> , 2015, 49, 1077-1083.	3.1	69
15	Body temperature and its effect on leukocyte mobilization, cytokines and markers of neutrophil activation during and after exercise. <i>European Journal of Applied Physiology</i> , 2008, 102, 391-401.	1.2	65
16	Performance and physiological responses during a sprint interval training session: relationships with muscle oxygenation and pulmonary oxygen uptake kinetics. <i>European Journal of Applied Physiology</i> , 2012, 112, 767-779.	1.2	64
17	Pre-Altitude Serum Ferritin Levels and Daily Oral Iron Supplement Dose Mediate Iron Parameter and Hemoglobin Mass Responses to Altitude Exposure. <i>PLoS ONE</i> , 2015, 10, e0135120.	1.1	60
18	Single-leg cycle training is superior to double-leg cycling in improving the oxidative potential and metabolic profile of trained skeletal muscle. <i>Journal of Applied Physiology</i> , 2011, 110, 1248-1255.	1.2	59

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19	The Current State of Weight-Cutting in Combat Sports. <i>Sports</i> , 2019, 7, 123.	0.7	57
20	Dynamic Pacing Strategies during the Cycle Phase of an Ironman Triathlon. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 726-734.	0.2	51
21	Sodium bicarbonate ingestion increases glycolytic contribution and improves performance during simulated taekwondo combat. <i>European Journal of Sport Science</i> , 2018, 18, 431-440.	1.4	50
22	The Manipulation of Pace within Endurance Sport. <i>Frontiers in Physiology</i> , 2017, 8, 102.	1.3	49
23	Effect of cold water immersion on repeated 1-km cycling performance in the heat. <i>Journal of Science and Medicine in Sport</i> , 2010, 13, 112-116.	0.6	47
24	Effects of Ramadan Intermittent Fasting on Middle-Distance Running Performance in Well-Trained Runners. <i>Clinical Journal of Sport Medicine</i> , 2011, 21, 422-427.	0.9	43
25	Postexercise Muscle Cooling Enhances Gene Expression of PGC-1 $\alpha$ . <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 1900-1907.	0.2	39
26	Pacing strategies during the swim, cycle and run disciplines of sprint, Olympic and half-Ironman triathlons. <i>European Journal of Applied Physiology</i> , 2015, 115, 1147-1154.	1.2	37
27	Coaching cues in amateur boxing: An analysis of ringside feedback provided between rounds of competition. <i>Psychology of Sport and Exercise</i> , 2016, 25, 44-50.	1.1	36
28	Acute Dehydration Impairs Endurance Without Modulating Neuromuscular Function. <i>Frontiers in Physiology</i> , 2018, 9, 1562.	1.3	36
29	The distribution of pace adopted by cyclists during a cross-country mountain bike World Championships. <i>Journal of Sports Sciences</i> , 2013, 31, 787-794.	1.0	35
30	Effect of hot versus cold climates on power output, muscle activation, and perceived fatigue during a dynamic 100-km cycling trial. <i>Journal of Sports Sciences</i> , 2010, 28, 117-125.	1.0	34
31	Examining pacing profiles in elite female road cyclists using exposure variation analysis. <i>British Journal of Sports Medicine</i> , 2010, 44, 437-442.	3.1	31
32	Effect of carbohydrate ingestion and ambient temperature on muscle fatigue development in endurance-trained male cyclists. <i>Journal of Applied Physiology</i> , 2008, 104, 1021-1028.	1.2	30
33	Cardiorespiratory Adaptations during Concurrent Aerobic and Strength Training in Men and Women. <i>PLoS ONE</i> , 2015, 10, e0139279.	1.1	30
34	The effects of attentional focus instructions on punching velocity and impact forces among trained combat athletes. <i>Journal of Sports Sciences</i> , 2017, 35, 500-507.	1.0	29
35	Rating of Perceived Exertion During Concentric and Eccentric Cycling: Are We Measuring Effort or Exertion?. <i>International Journal of Sports Physiology and Performance</i> , 2018, 13, 517-523.	1.1	29
36	Ergogenic effects of precooling with cold water immersion and ice ingestion: A meta-analysis. <i>European Journal of Sport Science</i> , 2018, 18, 170-181.	1.4	28

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37	Comments on Point:Counterpoint: Afferent feedback from fatigued locomotor muscles is/is not an important determinant of endurance exercise performance. <i>Journal of Applied Physiology</i> , 2010, 108, 458-468.	1.2	26
38	Considerations When Assessing Endurance in Combat Sport Athletes. <i>Frontiers in Physiology</i> , 2019, 10, 205.	1.3	26
39	Power Output and Pacing During International Cross-Country Mountain Bike Cycling. <i>International Journal of Sports Physiology and Performance</i> , 2018, 13, 1243-1249.	1.1	25
40	Effects of starting strategy on 5-min cycling time-trial performance. <i>Journal of Sports Sciences</i> , 2009, 27, 1201-1209.	1.0	24
41	Influence of All-Out and Fast Start on 5-min Cycling Time Trial Performance. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 1965-1971.	0.2	24
42	Cardio-pulmonary responses to incremental eccentric and concentric cycling tests to task failure. <i>European Journal of Applied Physiology</i> , 2018, 118, 947-957.	1.2	23
43	Pack Hike Test finishing time for Australian firefighters: Pass rates and correlates of performance. <i>Applied Ergonomics</i> , 2011, 42, 411-418.	1.7	22
44	Acute hypoxic exercise does not alter post-exercise iron metabolism in moderately trained endurance athletes. <i>European Journal of Applied Physiology</i> , 2014, 114, 2183-2191.	1.2	22
45	Peripheral blood flow changes in response to postexercise cold water immersion. <i>Clinical Physiology and Functional Imaging</i> , 2018, 38, 46-55.	0.5	22
46	Age-related changes in cardio-respiratory responses and muscular performance following an Olympic triathlon in well-trained triathletes. <i>European Journal of Applied Physiology</i> , 2012, 112, 1549-1556.	1.2	21
47	Influence of Pacing Manipulation on Performance of Juniors in Simulated 400-m Swim Competition. <i>International Journal of Sports Physiology and Performance</i> , 2014, 9, 817-824.	1.1	21
48	Live high, train low – influence on resting and post-exercise hepcidin levels. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2017, 27, 704-713.	1.3	21
49	Hyperthermic-induced hyperventilation and associated respiratory alkalosis in humans. <i>European Journal of Applied Physiology</i> , 2007, 100, 63-69.	1.2	20
50	Performance factors in the new combined event of modern pentathlon. <i>Journal of Sports Sciences</i> , 2010, 28, 1111-1116.	1.0	19
51	Thermal Stress in North Western Australian Iron Ore Mining Staff. <i>Annals of Occupational Hygiene</i> , 2013, 57, 519-27.	1.9	19
52	Sleep concerns in children and young people with cerebral palsy in their home setting. <i>Journal of Paediatrics and Child Health</i> , 2015, 51, 1188-1194.	0.4	18
53	Effects of lowering body temperature via hyperhydration, with and without glycerol ingestion and practical precooling on cycling time trial performance in hot and humid conditions. <i>Journal of the International Society of Sports Nutrition</i> , 2012, 9, 55.	1.7	16
54	Five Weeks of Sprint and High-Intensity Interval Training Improves Paddling Performance in Adolescent Surfers. <i>Journal of Strength and Conditioning Research</i> , 2016, 30, 2446-2452.	1.0	16

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55	Difference in Pacing Between Time- and Distance-Based Time Trials in Trained Cyclists. <i>International Journal of Sports Physiology and Performance</i> , 2016, 11, 1018-1023.	1.1	15
56	Is part of the mystery surrounding fatigue complicated by context?. <i>Journal of Science and Medicine in Sport</i> , 2007, 10, 277-279.	0.6	14
57	Comparison of the influence of age on cycling efficiency and the energy cost of running in well-trained triathletes. <i>European Journal of Applied Physiology</i> , 2016, 116, 195-201.	1.2	14
58	Fluid Balance, Carbohydrate Ingestion, and Body Temperature During Men's Stage-Race Cycling in Temperate Environmental Conditions. <i>International Journal of Sports Physiology and Performance</i> , 2014, 9, 575-582.	1.1	13
59	Reliability of laser Doppler, near-infrared spectroscopy and Doppler ultrasound for peripheral blood flow measurements during and after exercise in the heat. <i>Journal of Sports Sciences</i> , 2017, 35, 1715-1723.	1.0	13
60	Consistency of Commercial Devices for Measuring Elevation Gain. <i>International Journal of Sports Physiology and Performance</i> , 2014, 9, 884-886.	1.1	12
61	Effect of dietary nitrate supplementation on thermoregulatory and cardiovascular responses to submaximal cycling in the heat. <i>European Journal of Applied Physiology</i> , 2018, 118, 657-668.	1.2	12
62	Improvement of Sprint Triathlon Performance in Trained Athletes With Positive Swim Pacing. <i>International Journal of Sports Physiology and Performance</i> , 2016, 11, 1024-1028.	1.1	11
63	Isolated ingestion of caffeine and sodium bicarbonate on repeated sprint performance: A systematic review and meta-analysis. <i>Journal of Science and Medicine in Sport</i> , 2019, 22, 962-972.	0.6	11
64	Effect of ice slushy ingestion and cold water immersion on thermoregulatory behavior. <i>PLoS ONE</i> , 2019, 14, e0212966.	1.1	11
65	Characterizing the plasma metabolome during 14 days of live-high, train-low simulated altitude: A metabolomic approach. <i>Experimental Physiology</i> , 2019, 104, 81-92.	0.9	11
66	The Effects of Either a Mirror, Internal or External Focus Instructions on Single and Multi-Joint Tasks. <i>PLoS ONE</i> , 2016, 11, e0166799.	1.1	11
67	Considerations on the Assessment and Use of Cycling Performance Metrics and their Integration in the Athlete's Biological Passport. <i>Frontiers in Physiology</i> , 2017, 8, 912.	1.3	10
68	Patterns and reliability of children's skin temperature prior to and during sleep in the home setting. <i>Physiology and Behavior</i> , 2018, 194, 292-301.	1.0	10
69	False-performance feedback does not affect punching forces and pacing of elite boxers. <i>Journal of Sports Sciences</i> , 2019, 37, 59-66.	1.0	10
70	Pacing and stroke kinematics in 200-m kayak racing. <i>Journal of Sports Sciences</i> , 2021, 39, 1096-1104.	1.0	10
71	Reducing Aerodynamic Drag by Adopting a Novel Road-Cycling Sprint Position. <i>International Journal of Sports Physiology and Performance</i> , 2019, 14, 733-738.	1.1	9
72	Power output, cadence, and torque are similar between the forward standing and traditional sprint cycling positions. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 64-73.	1.3	9

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73	Age difference in efficiency of locomotion and maximal power output in well-trained triathletes. <i>European Journal of Applied Physiology</i> , 2014, 114, 2579-2586.	1.2	8
74	Warming to the ice bath: Don't go cool on cold water immersion just yet!. <i>Temperature</i> , 2020, 7, 223-225.	1.6	8
75	Sprinting for the Win: Distribution of Power Output in Women's Professional Cycling. <i>International Journal of Sports Physiology and Performance</i> , 2018, 13, 1237-1242.	1.1	7
76	Oxygen consumption, rate of perceived exertion and enjoyment in high-intensity interval eccentric cycling. <i>European Journal of Sport Science</i> , 2018, 18, 1390-1397.	1.4	6
77	RELIABILITY OF SURFACE EMG MEASUREMENTS OF THE QUADRICEPS DURING MAXIMAL ISOMETRIC CONTRACTIONS FOLLOWING WATER IMMERSION. <i>Journal of Musculoskeletal Research</i> , 2006, 10, 197-203.	0.1	5
78	A Monetary Reward Alters Pacing but Not Performance in Competitive Cyclists. <i>Frontiers in Physiology</i> , 2017, 8, 741.	1.3	5
79	Running economy and effort after cycling: Effect of methodological choices. <i>Journal of Sports Sciences</i> , 2020, 38, 1105-1114.	1.0	5
80	Effect of Environmental Temperature on High-Intensity Intervals in Well-Trained Cyclists. <i>International Journal of Sports Physiology and Performance</i> , 2019, 14, 1401-1407.	1.1	4
81	Single-leg cycling increases limb-specific blood flow without concurrent increases in normalised power output when compared with double-leg cycling in healthy middle-aged adults. <i>European Journal of Sport Science</i> , 2020, 20, 202-210.	1.4	4
82	Recovery following an Ironman triathlon: A case study. <i>European Journal of Sport Science</i> , 2010, 10, 159-165.	1.4	3
83	Hyperoxia enhances self-paced exercise performance to a greater extent in cool than hot conditions. <i>Experimental Physiology</i> , 2019, 104, 1398-1407.	0.9	3
84	Validity of the Velocomp PowerPod Compared With the Verve Cycling InfoCrank Power Meter. <i>International Journal of Sports Physiology and Performance</i> , 2019, 14, 1382-1387.	1.1	3
85	High-Intensity Single-Leg Cycling Improves Cardiovascular Disease Risk Factor Profile. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 2234-2242.	0.2	3
86	Reliability of Physiological Attributes and Their Association With Stochastic Cycling Performance. <i>International Journal of Sports Physiology and Performance</i> , 2014, 9, 309-315.	1.1	2
87	The Influence of Blood Removal on Pacing During a 4-Minute Cycling Time Trial. <i>International Journal of Sports Physiology and Performance</i> , 2017, 12, 1085-1092.	1.1	2
88	Assessing the rate of torque development in sprint cycling: a methodological study. <i>European Journal of Sport Science</i> , 2023, 23, 964-974.	1.4	1
89	Micro-biopsies: a less invasive technique for investigating human muscle fiber mechanics. <i>Journal of Experimental Biology</i> , 2022, 225, .	0.8	0