Caroline D Sunderland

List of Publications by Year
in descending order

86	1,991	279778 23	276858 41
papers	citations	h-index	g-index

87	87	87	1952
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The validity of a non-differential global positioning system for assessing player movement patterns in field hockey. Journal of Sports Sciences, 2009, 27, 121-128.	2.0	128
2	The effect of cooling prior to and during exercise on exercise performance and capacity in the heat: a meta-analysis. British Journal of Sports Medicine, 2015, 49, 7-13.	6.7	120
3	Muscle Damage, Endocrine, and Immune Marker Response to a Soccer Match. Journal of Strength and Conditioning Research, 2012, 26, 2783-2790.	2.1	114
4	A heat acclimation protocol for team sports. British Journal of Sports Medicine, 2008, 42, 327-333.	6.7	100
5	Effect of Î²-Alanine Plus Sodium Bicarbonate on High-Intensity Cycling Capacity. Medicine and Science in Sports and Exercise, 2011, 43, 1972-1978.	0.4	89
6	Sodium Bicarbonate and High-Intensity-Cycling Capacity: Variability in Responses. International Journal of Sports Physiology and Performance, 2014, 9, 627-632.	2.3	76
7	The use of GPS to evaluate activity profiles of elite women hockey players during match-play. Journal of Sports Sciences, 2011, 29, 967-973.	2.0	71
8	Practical neck cooling and time-trial running performance in a hot environment. European Journal of Applied Physiology, 2010, 110, 1063-1074.	2.5	67
9	Influence of rest and exercise at a simulated altitude of 4,000 m on appetite, energy intake, and plasma concentrations of acylated ghrelin and peptide YY. Journal of Applied Physiology, 2012, 112, 552-559.	2.5	67
10	Cooling the Neck Region During Exercise in the Heat. Journal of Athletic Training, 2011, 46, 61-68.	1.8	63
11	Neck Cooling and Running Performance in the Heat. Medicine and Science in Sports and Exercise, 2011, 43, 2388-2395.	0.4	50
12	High-intensity intermittent running and field hockey skill performance in the heat. Journal of Sports Sciences, 2005, 23, 531-540.	2.0	48
13	Î²-alanine supplementation improves YoYo intermittent recovery test performance. Journal of the International Society of Sports Nutrition, 2012, 9, 39.	3.9	48
14	High intensity intermittent games-based activity and adolescentsâ€™ cognition: moderating effect of physical fitness. BMC Public Health, 2018, 18, 603.	2.9	46
15	Effect of the menstrual cycle on performance of intermittent, high-intensity shuttle running in a hot environment. European Journal of Applied Physiology, 2003, 88, 345-352.	2.5	42
16	Longitudinal development of matchâ€running performance in elite male youth soccer players. Scandinavian Journal of Medicine and Science in Sports, 2016, 26, 933-942.	2.9	42
17	The influence of vigorous running and cycling exercise on hunger perceptions and plasma acylated ghrelin concentrations in lean young men. Applied Physiology, Nutrition and Metabolism, 2013, 38, 1-6.	1.9	39
18	Effect of Sodium Bicarbonate and Beta-Alanine on Repeated Sprints During Intermittent Exercise Performed in Hypoxia. International Journal of Sport Nutrition and Exercise Metabolism, 2014, 24, 196-205.	2.1	38

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19	Effect of beta-alanine supplementation on repeated sprint performance during the Loughborough Intermittent Shuttle Test. Amino Acids, 2012, 43, 39-47.	2.7	37
20	Effect of ambient temperature during acute aerobic exercise on short-term appetite, energy intake, and plasma acylated ghrelin in recreationally active males. Applied Physiology, Nutrition and Metabolism, 2013, 38, 905-909.	1.9	28
21	The Effect of Ambient Temperature on the Reliability of a Preloaded Treadmill Time-Trial. International Journal of Sports Medicine, 2008, 29, 812-816.	1.7	27
22	Time-motion analysis of elite womenâ€™s field hockey, with particular reference to maximum intensity movement patterns. International Journal of Performance Analysis in Sport, 2007, 7, 1-12.	1.1	26
23	Neck-cooling improves repeated sprint performance in the heat. Frontiers in Physiology, 2015, 6, 314.	2.8	26
24	Activity Profile and Between-Match Variation in Elite Male Field Hockey. Journal of Strength and Conditioning Research, 2017, 31, 758-764.	2.1	26
25	Artificial neural networks and player recruitment in professional soccer. PLoS ONE, 2018, 13, e0205818.	2.5	25
26	Validation of a Real-Time Video Analysis System for Soccer. International Journal of Sports Medicine, 2012, 33, 635-640.	1.7	24
27	Effects of heat stress and dehydration on cognitive function in elite female field hockey players. BMC Sports Science, Medicine and Rehabilitation, 2018, 10, 12.	1.7	24
28	Effect of football activity and physical fitness on information processing, inhibitory control and working memory in adolescents. BMC Public Health, 2020, 20, 1398.	2.9	23
29	Fluid Balance and Hydration Habits of Elite Female Field Hockey Players During Consecutive International Matches. Journal of Strength and Conditioning Research, 2009, 23, 1245-1251.	2.1	21
30	The Reliability and Validity of a Field Hockey Skill Test. International Journal of Sports Medicine, 2006, 27, 395-400.	1.7	18
31	Effects of a cooling collar on affect, ratings of perceived exertion, and running performance in the heat. European Journal of Sport Science, 2011, 11, 419-429.	2.7	18
32	Immediate pre-meal water ingestion decreases voluntary food intake in lean young males. European Journal of Nutrition, 2016, 55, 815-819.	3.9	18
33	Effects of situational variables on the physical activity profiles of elite soccer players in different score line states. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 2515-2526.	2.9	18
34	Longitudinal Physical Development of Future Professional Male Soccer Players: Implications for Talent Identification and Development?. Frontiers in Sports and Active Living, 2020, 2, 578203.	1.8	18
35	The Daily Mileâ„¢: Acute effects on childrenâ€™s cognitive function and factors affecting their enjoyment. Psychology of Sport and Exercise, 2021, 57, 102047.	2.1	18
36	The effect of hydration status on appetite and energy intake. Journal of Sports Sciences, 2015, 33, 761-768.	2.0	17

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37	Effect of hydration status and fluid availability on ad-libitum energy intake of a semi-solid breakfast. Appetite, 2015, 91, 399-404.	3.7	17
38	Previousâ€day hypohydration impairs skill performance in elite female field hockey players. Scandinavian Journal of Medicine and Science in Sports, 2012, 22, 430-438.	2.9	16
39	Reliability of a high-intensity cycling capacity test. Journal of Science and Medicine in Sport, 2013, 16, 286-289.	1.3	16
40	Sodium bicarbonate supplementation does not improve elite women's team sport running or field hockey skill performance. Physiological Reports, 2018, 6, e13818.	1.7	16
41	Passive Heat Exposure Alters Perception and Executive Function. Frontiers in Physiology, 2018, 9, 585.	2.8	16
42	Effects of playing position, pitch location, opposition ability and team ability on the technical performance of elite soccer players in different score line states. PLoS ONE, 2019, 14, e0211707.	2.5	16
43	The effect of playing status, maturity status, and playing position on the development of match skills in elite youth football players aged 11â€“18 years: A mixedâ€longitudinal study. European Journal of Sport Science, 2019, 19, 315-326.	2.7	15
44	Psychological characteristics of developing excellence in elite youth football players in English professional academies. Journal of Sports Sciences, 2020, 38, 1380-1386.	2.0	15
45	Patterns of play and goals scored in international standard womenâ€™s field-hockey.. International Journal of Performance Analysis in Sport, 2006, 6, 13-29.	1.1	14
46	Raising the bar in sports performance research. Journal of Sports Sciences, 2022, 40, 125-129.	2.0	14
47	Cytokine, glycemic, and insulinemic responses to an acute bout of gamesâ€based activity in adolescents. Scandinavian Journal of Medicine and Science in Sports, 2019, 29, 597-605.	2.9	13
48	Physiological correlates of cognitive load in laparoscopic surgery. Scientific Reports, 2020, 10, 12927.	3.3	13
49	Multi-Stage Fitness Test Performance, VË™O2 Peak and Adiposity: Effect on Risk Factors for Cardio-Metabolic Disease in Adolescents. Frontiers in Physiology, 2019, 10, 629.	2.8	11
50	Predicting Wins, Losses and Attributesâ€™ Sensitivities in the Soccer World Cup 2018 Using Neural Network Analysis. Sensors, 2020, 20, 3213.	3.8	11
51	Menstrual cycle and oral contraceptivesâ€™ effects on growth hormone response to sprinting. Applied Physiology, Nutrition and Metabolism, 2011, 36, 495-502.	1.9	10
52	Perceptions of psychological momentum of elite soccer players. International Journal of Sport and Exercise Psychology, 2018, 16, 590-606.	2.1	10
53	Match and Training Load Exposure and Time-Loss Incidence in Elite Rugby Union Players. Frontiers in Physiology, 2019, 10, 1413.	2.8	10
54	Effect of Differing Durations of High-Intensity Intermittent Activity on Cognitive Function in Adolescents. International Journal of Environmental Research and Public Health, 2021, 18, 11594.	2.6	9

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55	Half-Time and High-Speed Running in the Second Half of Soccer. International Journal of Sports Medicine, 2013, 34, 514-519.	1.7	8
56	Reliability of a musculoskeletal profiling test battery in elite academy soccer players. PLoS ONE, 2020, 15, e0236341.	2.5	8
57	Cross-validating models of continuous data from simulation and experiment by using linear regression and artificial neural networks. Informatics in Medicine Unlocked, 2020, 21, 100457.	3.4	7
58	Effect of Exercise Duration on Postprandial Glycaemic and Insulinaemic Responses in Adolescents. Nutrients, 2020, 12, 754.	4.1	6
59	Identifying playing talent in professional football using artificial neural networks. Journal of Sports Sciences, 2020, 38, 1211-1220.	2.0	6
60	Effect Of B-Alanine Supplementation, With And Without Sodium Bicarbonate, On High-Intensity Cycling Capacity.. Medicine and Science in Sports and Exercise, 2010, 42, 108.	0.4	5
61	Effect Of Sodium Bicarbonate Supplementation On Cycling Capacity At 110% Of Maximum Power Output. Medicine and Science in Sports and Exercise, 2011, 43, 847.	0.4	5
62	Activity patterns of primary school children during participation in The Daily Mile. Scientific Reports, 2021, 11, 7462.	3.3	5
63	Exploration of Psychological Resilience during a 25-Day Endurance Challenge in an Extreme Environment. International Journal of Environmental Research and Public Health, 2021, 18, 12707.	2.6	5
64	Sustained Cooling Of The Neck And Treadmill Running Performance In A Hot Environment. Medicine and Science in Sports and Exercise, 2011, 43, 74.	0.4	4
65	Detrimental effects of prior selfâ€control exertion on subsequent sporting skill performance. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 1971-1980.	2.9	4
66	Effect of acute football activity and physical fitness on glycaemic and insulinaemic responses in adolescents. Journal of Sports Sciences, 2021, 39, 1127-1135.	2.0	4
67	Neck Cooling During Exercise In The Heat Improves Subsequent Treadmill Time-trial Performance. Medicine and Science in Sports and Exercise, 2008, 40, S368.	0.4	4
68	Activity profile and physical demands of male field hockey umpires in international matches. European Journal of Sport Science, 2011, 11, 411-417.	2.7	3
69	Half-Time and High-Speed Running in the Second Half of Soccer. International Journal of Sports Medicine, 2013, 34, 847-848.	1.7	3
70	Predictors of postprandial glycaemia, insulinaemia and insulin resistance in adolescents. British Journal of Nutrition, 2021, 125, 1101-1110.	2.3	2
71	Synthetic playing surfaces increase the incidence of match injuries in an elite Rugby Union team. Journal of Science and Medicine in Sport, 2022, 25, 134-138.	1.3	2
72	Effect of Changing Match Format from Halves to Quarters on the Performance Characteristics of Male University Field Hockey Players. Sensors, 2021, 21, 5490.	3.8	2

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73	The Influence of a Competitive Field Hockey Match on Cognitive Function. Frontiers in Human Neuroscience, 2022, 16, 829924.	2.0	2
74	Editorial: Heat Acclimation for Special Populations. Frontiers in Physiology, 2020, 11, 895.	2.8	1
75	Reliability of transcranial magnetic stimulation measurements of maximum activation of the knee extensors in young adult males. Human Movement Science, 2021, 78, 102828.	1.4	1
76	Neck Cooling Enhances Running Capacity And Thermal Tolerance During Exercise In Hot Conditions. Medicine and Science in Sports and Exercise, 2009, 41, 423-424.	0.4	1
77	The Physiological Demands of Elite Female Field Hockey. Medicine and Science in Sports and Exercise, 2006, 38, S235-S236.	0.4	1
78	High-intensity Running Performance in Competitive Soccer Following the Half-time Interval. Medicine and Science in Sports and Exercise, 2011, 43, 857.	0.4	0
79	An ad libitum meal provided with or without fluid and either euhydrated or hypohydrated does not affect food intake. Proceedings of the Nutrition Society, 2013, 72, .	1.0	0
80	The Development of Anthropometric and Physiological Characteristics in Retained and Released Elite Youth Soccer Players. Medicine and Science in Sports and Exercise, 2014, 46, 959.	0.4	0
81	Effect Of High-intensity Intermittent Games-based Activity On Cognitive Function In Adolescents. Medicine and Science in Sports and Exercise, 2017, 49, 673.	0.4	0
82	Effect of High Intensity Intermittent Games-Based Activity on Adolescent Cardio-Metabolic Health. Medicine and Science in Sports and Exercise, 2017, 49, 429.	0.4	0
83	Impact of Workload on Time-Loss Incidence Rates in Elite Rugby Union Players.. Medicine and Science in Sports and Exercise, 2019, 51, 956-956.	0.4	0
84	Performance Across Quarters In An International Field Hockey Tournament. Medicine and Science in Sports and Exercise, 2019, 51, 642-642.	0.4	0
85	Customised pressure profiles of made-to-measure sports compression garments. Sports Engineering, 2021, 24, 1.	1.1	0
86	Physiological and Performance Characteristics of Female Field Hockey Players. Medicine and Science in Sports and Exercise, 2008, 40, S384.	0.4	0