

# Caroline D Sunderland

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74  
papers

1,461  
citations

21  
h-index

36  
g-index

87  
ext. papers

1,696  
ext. citations

3.2  
avg, IF

4.98  
L-index

#	Paper	IF	Citations
74	The Influence of a Competitive Field Hockey Match on Cognitive Function.. <i>Frontiers in Human Neuroscience</i> , <b>2022</b> , 16, 829924	3.3	
73	Effect of Differing Durations of High-Intensity Intermittent Activity on Cognitive Function in Adolescents. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	1
72	Activity patterns of primary school children during participation in The Daily Mile. <i>Scientific Reports</i> , <b>2021</b> , 11, 7462	4.9	2
71	Customised pressure profiles of made-to-measure sports compression garments. <i>Sports Engineering</i> , <b>2021</b> , 24, 1	1.4	
70	Predictors of postprandial glycaemia, insulinaemia and insulin resistance in adolescents. <i>British Journal of Nutrition</i> , <b>2021</b> , 125, 1101-1110	3.6	1
69	Detrimental effects of prior self-control exertion on subsequent sporting skill performance. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2021</b> , 31, 1971-1980	4.6	2
68	Reliability of transcranial magnetic stimulation measurements of maximum activation of the knee extensors in young adult males. <i>Human Movement Science</i> , <b>2021</b> , 78, 102828	2.4	
67	Synthetic playing surfaces increase the incidence of match injuries in an elite Rugby Union team. <i>Journal of Science and Medicine in Sport</i> , <b>2021</b> ,	4.4	1
66	The Daily Mile—Acute effects on children’s cognitive function and factors affecting their enjoyment. <i>Psychology of Sport and Exercise</i> , <b>2021</b> , 57, 102047	4.2	5
65	Effect of acute football activity and physical fitness on glycaemic and insulinaemic responses in adolescents. <i>Journal of Sports Sciences</i> , <b>2021</b> , 39, 1127-1135	3.6	2
64	Predicting Wins, Losses and Attributes’ Sensitivities in the Soccer World Cup 2018 Using Neural Network Analysis. <i>Sensors</i> , <b>2020</b> , 20,	3.8	6
63	Effect of Exercise Duration on Postprandial Glycaemic and Insulinaemic Responses in Adolescents. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	3
62	Identifying playing talent in professional football using artificial neural networks. <i>Journal of Sports Sciences</i> , <b>2020</b> , 38, 1211-1220	3.6	3
61	Cross-validating models of continuous data from simulation and experiment by using linear regression and artificial neural networks. <i>Informatics in Medicine Unlocked</i> , <b>2020</b> , 21, 100457	5.3	5
60	Reliability of a musculoskeletal profiling test battery in elite academy soccer players. <i>PLoS ONE</i> , <b>2020</b> , 15, e0236341	3.7	5
59	Longitudinal Physical Development of Future Professional Male Soccer Players: Implications for Talent Identification and Development?. <i>Frontiers in Sports and Active Living</i> , <b>2020</b> , 2, 578203	2.3	5
58	Physiological correlates of cognitive load in laparoscopic surgery. <i>Scientific Reports</i> , <b>2020</b> , 10, 12927	4.9	4

57	Effect of football activity and physical fitness on information processing, inhibitory control and working memory in adolescents. <i>BMC Public Health</i> , <b>2020</b> , 20, 1398	4.1	8
56	Psychological characteristics of developing excellence in elite youth football players in English professional academies. <i>Journal of Sports Sciences</i> , <b>2020</b> , 38, 1380-1386	3.6	4
55	Effects of playing position, pitch location, opposition ability and team ability on the technical performance of elite soccer players in different score line states. <i>PLoS ONE</i> , <b>2019</b> , 14, e0211707	3.7	7
54	Multi-Stage Fitness Test Performance, O Peak and Adiposity: Effect on Risk Factors for Cardio-Metabolic Disease in Adolescents. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 629	4.6	8
53	The effect of playing status, maturity status, and playing position on the development of match skills in elite youth football players aged 11-18 years: A mixed-longitudinal study. <i>European Journal of Sport Science</i> , <b>2019</b> , 19, 315-326	3.9	9
52	Impact of Workload on Time-Loss Incidence Rates in Elite Rugby Union Players.. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 956-956	1.2	
51	Performance Across Quarters In An International Field Hockey Tournament. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 642-642	1.2	
50	Match and Training Load Exposure and Time-Loss Incidence in Elite Rugby Union Players. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 1413	4.6	6
49	Cytokine, glycemic, and insulinemic responses to an acute bout of games-based activity in adolescents. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2019</b> , 29, 597-605	4.6	7
48	Perceptions of psychological momentum of elite soccer players. <i>International Journal of Sport and Exercise Psychology</i> , <b>2018</b> , 16, 590-606	2.5	6
47	Passive Heat Exposure Alters Perception and Executive Function. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 585	4.6	13
46	Effects of situational variables on the physical activity profiles of elite soccer players in different score line states. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2018</b> , 28, 2515-2526	4.6	12
45	High intensity intermittent games-based activity and adolescents' cognition: moderating effect of physical fitness. <i>BMC Public Health</i> , <b>2018</b> , 18, 603	4.1	21
44	Effects of heat stress and dehydration on cognitive function in elite female field hockey players. <i>BMC Sports Science, Medicine and Rehabilitation</i> , <b>2018</b> , 10, 12	2.4	12
43	Artificial neural networks and player recruitment in professional soccer. <i>PLoS ONE</i> , <b>2018</b> , 13, e0205818	3.7	13
42	Sodium bicarbonate supplementation does not improve elite women's team sport running or field hockey skill performance. <i>Physiological Reports</i> , <b>2018</b> , 6, e13818	2.6	9
41	Activity Profile and Between-Match Variation in Elite Male Field Hockey. <i>Journal of Strength and Conditioning Research</i> , <b>2017</b> , 31, 758-764	3.2	14
40	Effect Of High-intensity Intermittent Games-based Activity On Cognitive Function In Adolescents. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 673	1.2	

39	Immediate pre-meal water ingestion decreases voluntary food intake in lean young males. <i>European Journal of Nutrition</i> , <b>2016</b> , 55, 815-819	5.2	15
38	Longitudinal development of match-running performance in elite male youth soccer players. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2016</b> , 26, 933-42	4.6	26
37	Effect of hydration status and fluid availability on ad-libitum energy intake of a semi-solid breakfast. <i>Appetite</i> , <b>2015</b> , 91, 399-404	4.5	13
36	The effect of cooling prior to and during exercise on exercise performance and capacity in the heat: a meta-analysis. <i>British Journal of Sports Medicine</i> , <b>2015</b> , 49, 7-13	10.3	96
35	Neck-cooling improves repeated sprint performance in the heat. <i>Frontiers in Physiology</i> , <b>2015</b> , 6, 314	4.6	21
34	The effect of hydration status on appetite and energy intake. <i>Journal of Sports Sciences</i> , <b>2015</b> , 33, 761-8	3.6	11
33	Sodium bicarbonate and high-intensity-cycling capacity: variability in responses. <i>International Journal of Sports Physiology and Performance</i> , <b>2014</b> , 9, 627-32	3.5	58
32	Effect of sodium bicarbonate and Beta-alanine on repeated sprints during intermittent exercise performed in hypoxia. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , <b>2014</b> , 24, 196-205	4.4	32
31	Reliability of a high-intensity cycling capacity test. <i>Journal of Science and Medicine in Sport</i> , <b>2013</b> , 16, 286-94	4.4	13
30	The influence of vigorous running and cycling exercise on hunger perceptions and plasma acylated ghrelin concentrations in lean young men. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2013</b> , 38, 1-6	3	35
29	Half-time and high-speed running in the second half of soccer. <i>International Journal of Sports Medicine</i> , <b>2013</b> , 34, 514-9	3.6	4
28	Effect of ambient temperature during acute aerobic exercise on short-term appetite, energy intake, and plasma acylated ghrelin in recreationally active males. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2013</b> , 38, 905-9	3	23
27	Alanine supplementation improves YoYo intermittent recovery test performance. <i>Journal of the International Society of Sports Nutrition</i> , <b>2012</b> , 9, 39	4.5	29
26	Effect of beta-alanine supplementation on repeated sprint performance during the Loughborough Intermittent Shuttle Test. <i>Amino Acids</i> , <b>2012</b> , 43, 39-47	3.5	34
25	Previous-day hypohydration impairs skill performance in elite female field hockey players. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2012</b> , 22, 430-8	4.6	12
24	Validation of a real-time video analysis system for soccer. <i>International Journal of Sports Medicine</i> , <b>2012</b> , 33, 635-40	3.6	20
23	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. <i>Journal of Applied Physiology</i> , <b>2012</b> , 112, 552-9	3.7	56
22	Muscle damage, endocrine, and immune marker response to a soccer match. <i>Journal of Strength and Conditioning Research</i> , <b>2012</b> , 26, 2783-90	3.2	85

21	Effect Of Sodium Bicarbonate Supplementation On Cycling Capacity At 110% Of Maximum Power Output. <i>Medicine and Science in Sports and Exercise</i> , <b>2011</b> , 43, 847	1.2	4
20	Cooling the neck region during exercise in the heat. <i>Journal of Athletic Training</i> , <b>2011</b> , 46, 61-8	4	53
19	Menstrual cycle and oral contraceptives' effects on growth hormone response to sprinting. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2011</b> , 36, 495-502	3	8
18	Activity profile and physical demands of male field hockey umpires in international matches. <i>European Journal of Sport Science</i> , <b>2011</b> , 11, 411-417	3.9	3
17	The use of GPS to evaluate activity profiles of elite women hockey players during match-play. <i>Journal of Sports Sciences</i> , <b>2011</b> , 29, 967-73	3.6	59
16	Effect of β-alanine plus sodium bicarbonate on high-intensity cycling capacity. <i>Medicine and Science in Sports and Exercise</i> , <b>2011</b> , 43, 1972-8	1.2	70
15	Neck cooling and running performance in the heat: single versus repeated application. <i>Medicine and Science in Sports and Exercise</i> , <b>2011</b> , 43, 2388-95	1.2	42
14	Effects of a cooling collar on affect, ratings of perceived exertion, and running performance in the heat. <i>European Journal of Sport Science</i> , <b>2011</b> , 11, 419-429	3.9	13
13	Effect Of β-Alanine Supplementation, With And Without Sodium Bicarbonate, On High-Intensity Cycling Capacity.. <i>Medicine and Science in Sports and Exercise</i> , <b>2010</b> , 42, 108	1.2	2
12	Practical neck cooling and time-trial running performance in a hot environment. <i>European Journal of Applied Physiology</i> , <b>2010</b> , 110, 1063-74	3.4	60
11	The validity of a non-differential global positioning system for assessing player movement patterns in field hockey. <i>Journal of Sports Sciences</i> , <b>2009</b> , 27, 121-8	3.6	109
10	Fluid balance and hydration habits of elite female field hockey players during consecutive international matches. <i>Journal of Strength and Conditioning Research</i> , <b>2009</b> , 23, 1245-51	3.2	13
9	A heat acclimation protocol for team sports. <i>British Journal of Sports Medicine</i> , <b>2008</b> , 42, 327-33	10.3	90
8	The effect of ambient temperature on the reliability of a preloaded treadmill time-trial. <i>International Journal of Sports Medicine</i> , <b>2008</b> , 29, 812-6	3.6	24
7	Neck Cooling During Exercise In The Heat Improves Subsequent Treadmill Time-trial Performance. <i>Medicine and Science in Sports and Exercise</i> , <b>2008</b> , 40, S368	1.2	4
6	Physiological and Performance Characteristics of Female Field Hockey Players. <i>Medicine and Science in Sports and Exercise</i> , <b>2008</b> , 40, S384	1.2	
5	Time-motion analysis of elite women's field hockey, with particular reference to maximum intensity movement patterns. <i>International Journal of Performance Analysis in Sport</i> , <b>2007</b> , 7, 1-12	1.8	20
4	The reliability and validity of a field hockey skill test. <i>International Journal of Sports Medicine</i> , <b>2006</b> , 27, 395-400	3.6	15

3	Patterns of play and goals scored in international standard women's field-hockey.. <i>International Journal of Performance Analysis in Sport</i> , <b>2006</b> , 6, 13-29	1.8	12
2	High-intensity intermittent running and field hockey skill performance in the heat. <i>Journal of Sports Sciences</i> , <b>2005</b> , 23, 531-40	3.6	43
1	Effect of the menstrual cycle on performance of intermittent, high-intensity shuttle running in a hot environment. <i>European Journal of Applied Physiology</i> , <b>2003</b> , 88, 345-52	3.4	35