

Samuel N Cheuvront

List of Publications by Year in descending order

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67
papers

4,142
citations

136740

32
h-index

123241

61
g-index

68
all docs

68
docs citations

68
times ranked

2861
citing authors

#	ARTICLE	IF	CITATIONS
1	Personalized Hydration Requirements of Runners. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2022, 32, 233-237.	1.0	1
2	Predicted sweat rates for group water planning in sport: accuracy and application. <i>Biology of Sport</i> , 2021, 38, 253-260.	1.7	2
3	Are oral rehydration solutions optimized for treating diarrhea?. <i>Nutrition and Health</i> , 2021, 27, 026010602199164.	0.6	0
4	Personalized fluid and fuel intake for performance optimization in the heat. <i>Journal of Science and Medicine in Sport</i> , 2021, 24, 735-738.	0.6	10
5	Body size and its implications upon resource utilization during human space exploration missions. <i>Scientific Reports</i> , 2020, 10, 13836.	1.6	7
6	The accurate prediction of sweat rate from energy expenditure and air temperature: a proof-of-concept study. <i>Applied Physiology, Nutrition and Metabolism</i> , 2020, 45, 1299-1305.	0.9	4
7	Considerations for Standardizing Fluid Station Practices Among Road Races. <i>Strength and Conditioning Journal</i> , 2020, 42, 39-44.	0.7	1
8	Biological variation of arginine vasopressin. <i>European Journal of Applied Physiology</i> , 2020, 120, 635-642.	1.2	3
9	Potential for dehydration to impact the athlete biological passport. <i>Drug Testing and Analysis</i> , 2020, 12, 1206-1211.	1.6	11
10	Influence of prior illness on exertional heat stroke presentation and outcome. <i>PLoS ONE</i> , 2019, 14, e0221329.	1.1	12
11	Practical Hydration Solutions for Sports. <i>Nutrients</i> , 2019, 11, 1550.	1.7	55
12	Osmolality of Commercially Available Oral Rehydration Solutions: Impact of Brand, Storage Time, and Temperature. <i>Nutrients</i> , 2019, 11, 1485.	1.7	5
13	Basic statistical considerations for physiology: The journal <i>Temperature</i> toolbox. <i>Temperature</i> , 2019, 6, 181-210.	1.7	18
14	A randomized trial to assess beverage hydration index in healthy older adults. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 1640-1647.	2.2	14
15	Validation of a Mobile Application Water Planning Tool for Road Race Event Organizers. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 1040-1046.	0.2	5
16	Fluid Needs for Training, Competition, and Recovery in Track-and-Field Athletes. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2019, 29, 175-180.	1.0	21
17	Importance of sample volume to the measurement and interpretation of plasma osmolality. <i>Journal of Clinical Laboratory Analysis</i> , 2019, 33, e22727.	0.9	5
18	Efficacy of Glucose or Amino Acid-Based Commercial Beverages in Meeting Oral Rehydration Therapy Goals After Acute Hypertonic and Isotonic Dehydration. <i>Journal of Parenteral and Enteral Nutrition</i> , 2018, 42, 1185-1193.	1.3	9

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19	Update: Efficacy of Military Fluid Intake Guidance. <i>Military Medicine</i> , 2018, 183, e338-e342.	0.4	9
20	Neither body mass nor sex influences beverage hydration index outcomes during randomized trial when comparing 3 commercial beverages. <i>American Journal of Clinical Nutrition</i> , 2018, 107, 544-549.	2.2	17
21	Physiological Responses to Overdressing and Exercise-Heat Stress in Trained Runners. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 1285-1296.	0.2	18
22	National Athletic Trainers' Association Position Statement: Fluid Replacement for the Physically Active. <i>Journal of Athletic Training</i> , 2017, 52, 877-895.	0.9	242
23	CORP: Improving the status quo for measuring whole body sweat losses. <i>Journal of Applied Physiology</i> , 2017, 123, 632-636.	1.2	46
24	Myths and methodologies: Making sense of exercise mass and water balance. <i>Experimental Physiology</i> , 2017, 102, 1047-1053.	0.9	37
25	RELATIONSHIPS BETWEEN HEMODYNAMIC AND SYMPATHETIC NEURAL RESPONSES TO HEAD-UP TILT DURING MODERATE DEHYDRATION IN HUMANS. <i>FASEB Journal</i> , 2017, 31, .	0.2	0
26	The void in using urine concentration to assess population fluid intake adequacy or hydration status. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 553-556.	2.2	14
27	Urinalysis for hydration assessment: an age-old problem. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 3-4.	2.2	8
28	Noninvasive assessment of extracellular and intracellular dehydration in healthy humans using the resistance-reactance "score graph method. <i>American Journal of Clinical Nutrition</i> , 2016, 103, 724-729.	2.2	18
29	Am I Drinking Enough? Yes, No, and Maybe. <i>Journal of the American College of Nutrition</i> , 2016, 35, 185-192.	1.1	43
30	Spot Urine Concentrations Should Not Be Used for Hydration Assessment: A Methodology Review. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2015, 25, 293-297.	1.0	56
31	Hypohydration and Human Performance: Impact of Environment and Physiological Mechanisms. <i>Sports Medicine</i> , 2015, 45, 51-60.	3.1	135
32	Effect of Hypohydration on Muscle Endurance, Strength, Anaerobic Power and Capacity and Vertical Jumping Ability: A Meta-Analysis. <i>Sports Medicine</i> , 2015, 45, 1207-1227.	3.1	74
33	Assessment of extracellular dehydration using saliva osmolality. <i>European Journal of Applied Physiology</i> , 2014, 114, 85-92.	1.2	9
34	A Comparison of Whole Blood and Plasma Osmolality and Osmolarity. <i>Journal of Clinical Laboratory Analysis</i> , 2014, 28, 368-373.	0.9	22
35	Dehydration: Physiology, Assessment, and Performance Effects. , 2014, 4, 257-285.		311
36	Validation of equations used to predict plasma osmolality in a healthy adult cohort. <i>American Journal of Clinical Nutrition</i> , 2014, 100, 1252-1256.	2.2	32

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37	Comparison between blood and urinary indices for dehydration: a different interpretation. <i>European Journal of Applied Physiology</i> , 2013, 113, 2167-2168.	1.2	1
38	Hypohydration and acute thermal stress affect mood state but not cognition or dynamic postural balance. <i>European Journal of Applied Physiology</i> , 2013, 113, 1027-1034.	1.2	61
39	Water-deficit equation: systematic analysis and improvement. <i>American Journal of Clinical Nutrition</i> , 2013, 97, 79-85.	2.2	48
40	Physiologic basis for understanding quantitative dehydration assessment. <i>American Journal of Clinical Nutrition</i> , 2013, 97, 455-462.	2.2	134
41	Hypohydration Does Not Alter Standing Balance. <i>Motor Control</i> , 2013, 17, 190-202.	0.3	4
42	Hydration assessment using the cardiovascular response to standing. <i>European Journal of Applied Physiology</i> , 2012, 112, 4081-4089.	1.2	18
43	Assessment of thermal dehydration using the human eye: What is the potential?. <i>Journal of Thermal Biology</i> , 2012, 37, 111-117.	1.1	14
44	High skin temperature and hypohydration impair aerobic performance. <i>Experimental Physiology</i> , 2012, 97, 327-332.	0.9	155
45	Limitations of Salivary Osmolality as a Marker of Hydration Status. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 1080-1084.	0.2	30
46	Potential impact of a 500-mL water bolus and body mass on plasma osmolality dilution. <i>European Journal of Applied Physiology</i> , 2011, 111, 1999-2004.	1.2	34
47	Surface contamination artificially elevates initial sweat mineral concentrations. <i>Journal of Applied Physiology</i> , 2011, 110, 1534-1540.	1.2	30
48	Reference change values for monitoring dehydration. <i>Clinical Chemistry and Laboratory Medicine</i> , 2011, 49, 1033-7.	1.4	42
49	Biological variation and diagnostic accuracy of dehydration assessment markers. <i>American Journal of Clinical Nutrition</i> , 2010, 92, 565-573.	2.2	300
50	Mechanisms of aerobic performance impairment with heat stress and dehydration. <i>Journal of Applied Physiology</i> , 2010, 109, 1989-1995.	1.2	360
51	Effect of hypohydration and altitude exposure on aerobic exercise performance and acute mountain sickness. <i>Journal of Applied Physiology</i> , 2010, 109, 1792-1800.	1.2	67
52	No effect of nutritional adenosine receptor antagonists on exercise performance in the heat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R394-R401.	0.9	62
53	A simple and valid method to determine thermoregulatory sweating threshold and sensitivity. <i>Journal of Applied Physiology</i> , 2009, 107, 69-75.	1.2	92
54	Hydration effects on cognitive performance during military tasks in temperate and cold environments. <i>Physiology and Behavior</i> , 2008, 93, 748-756.	1.0	73

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55	Neither Cloud Cover nor Low Solar Loads Are Associated with Fast Marathon Performance. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, 2029-2035.	0.2	35
56	Impact of Weather on Marathon-Running Performance. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, 487-493.	0.2	221
57	Fluid Replacement and Performance During the Marathon. <i>Sports Medicine</i> , 2007, 37, 353-357.	3.1	42
58	No Effect of Moderate Hypohydration or Hyperthermia on Anaerobic Exercise Performance. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 1093-1097.	0.2	59
59	Hypohydration and prior heat stress exacerbates decreases in cerebral blood flow velocity during standing. <i>Journal of Applied Physiology</i> , 2006, 101, 1744-1750.	1.2	62
60	Differential responsiveness to heat shock protein (HSP) induction following heat acclimation. <i>FASEB Journal</i> , 2006, 20, A1247.	0.2	1
61	Hypohydration impairs endurance exercise performance in temperate but not cold air. <i>Journal of Applied Physiology</i> , 2005, 99, 1972-1976.	1.2	131
62	Branched-chain amino acid supplementation and human performance when hypohydrated in the heat. <i>Journal of Applied Physiology</i> , 2004, 97, 1275-1282.	1.2	57
63	Daily Body Mass Variability and Stability in Active Men Undergoing Exercise-Heat Stress. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2004, 14, 532-540.	1.0	124
64	Efficacy of intermittent, regional microclimate cooling. <i>Journal of Applied Physiology</i> , 2003, 94, 1841-1848.	1.2	76
65	Fluid Balance and Endurance Exercise Performance. <i>Current Sports Medicine Reports</i> , 2003, 2, 202-208.	0.5	284
66	Comparison of sweat loss estimates for women during prolonged high-intensity running. <i>Medicine and Science in Sports and Exercise</i> , 2002, 34, 1344-1350.	0.2	38
67	Thermoregulation and Marathon Running. <i>Sports Medicine</i> , 2001, 31, 743-762.	3.1	213