

Lindsay B Baker

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5548768/publications.pdf>

Version: 2024-02-01

34
papers

2,645
citations

304602

22
h-index

414303

32
g-index

34
all docs

34
docs citations

34
times ranked

2509
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiology of sweat gland function: The roles of sweating and sweat composition in human health. <i>Temperature</i> , 2019, 6, 211-259.	1.6	324
2	Skin-interfaced systems for sweat collection and analytics. <i>Science Advances</i> , 2018, 4, eaar3921.	4.7	303
3	Sweating Rate and Sweat Sodium Concentration in Athletes: A Review of Methodology and Intra/Interindividual Variability. <i>Sports Medicine</i> , 2017, 47, 111-128.	3.1	231
4	Physiological mechanisms determining eccrine sweat composition. <i>European Journal of Applied Physiology</i> , 2020, 120, 719-752.	1.2	148
5	Comparison of regional patch collection vs. whole body washdown for measuring sweat sodium and potassium loss during exercise. <i>Journal of Applied Physiology</i> , 2009, 107, 887-895.	1.2	138
6	Fluid Balance in Team Sport Athletes and the Effect of Hypohydration on Cognitive, Technical, and Physical Performance. <i>Sports Medicine</i> , 2017, 47, 1951-1982.	3.1	128
7	Two Percent Dehydration Impairs and Six Percent Carbohydrate Drink Improves Boys Basketball Skills. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 1650-1658.	0.2	116
8	Skin-interfaced microfluidic system with personalized sweating rate and sweat chloride analytics for sports science applications. <i>Science Advances</i> , 2020, 6, .	4.7	110
9	Progressive Dehydration Causes a Progressive Decline in Basketball Skill Performance. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, 1114-1123.	0.2	108
10	Pregame Urine Specific Gravity and Fluid Intake by National Basketball Association Players During Competition. <i>Journal of Athletic Training</i> , 2009, 44, 53-57.	0.9	103
11	Acute Effects of Carbohydrate Supplementation on Intermittent Sports Performance. <i>Nutrients</i> , 2015, 7, 5733-5763.	1.7	86
12	Narrative Review of Hydration and Selected Health Outcomes in the General Population. <i>Nutrients</i> , 2019, 11, 70.	1.7	86
13	Normative data for regional sweat sodium concentration and whole-body sweating rate in athletes. <i>Journal of Sports Sciences</i> , 2016, 34, 358-368.	1.0	85
14	Change in body mass accurately and reliably predicts change in body water after endurance exercise. <i>European Journal of Applied Physiology</i> , 2009, 105, 959-967.	1.2	83
15	Normative data for sweating rate, sweat sodium concentration, and sweat sodium loss in athletes: An update and analysis by sport. <i>Journal of Sports Sciences</i> , 2019, 37, 2356-2366.	1.0	79
16	Body map of regional vs. whole body sweating rate and sweat electrolyte concentrations in men and women during moderate exercise-heat stress. <i>Journal of Applied Physiology</i> , 2018, 124, 1304-1318.	1.2	71
17	Dehydration Impairs Vigilance-Related Attention in Male Basketball Players. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, 976-983.	0.2	67
18	Optimal Composition of Fluid Replenishment Beverages. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2014, 4, 575-620.		63

#	ARTICLE	IF	CITATIONS
19	Exercise intensity effects on total sweat electrolyte losses and regional vs. whole-body sweat [Na ⁺], [Cl ⁻], and [K ⁺]. <i>European Journal of Applied Physiology</i> , 2019, 119, 361-375.	1.2	59
20	Practical Hydration Solutions for Sports. <i>Nutrients</i> , 2019, 11, 1550.	1.7	55
21	Validity and reliability of a field technique for sweat Na ⁺ and K ⁺ analysis during exercise in a hot-humid environment. <i>Physiological Reports</i> , 2014, 2, e12007.	0.7	48
22	Exercise-Induced Trace Mineral Element Concentration in Regional Versus Whole-Body Wash-Down Sweat. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2011, 21, 233-239.	1.0	29
23	Quantitative analysis of serum sodium concentration after prolonged running in the heat. <i>Journal of Applied Physiology</i> , 2008, 105, 91-99.	1.2	24
24	Skin-Interfaced Microfluidic System with Machine Learning-Enabled Image Processing of Sweat Biomarkers in Remote Settings. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	20
25	Measurement of sodium concentration in sweat samples: comparison of 5 analytical techniques. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017, 42, 861-868.	0.9	17
26	Fluid Balance, Sweat Na ⁺ Losses, and Carbohydrate Intake of Elite Male Soccer Players in Response to Low and High Training Intensities in Cool and Hot Environments. <i>Nutrients</i> , 2021, 13, 401.	1.7	15
27	In-Season Nutrition Strategies and Recovery Modalities to Enhance Recovery for Basketball Players: A Narrative Review. <i>Sports Medicine</i> , 2022, 52, 971-993.	3.1	12
28	Cross-validation of equations to predict whole-body sweat sodium concentration from regional measures during exercise. <i>Physiological Reports</i> , 2020, 8, e14524.	0.7	9
29	Validity and relative validity of a novel digital approach for 24-h dietary recall in athletes. <i>Nutrition Journal</i> , 2014, 13, 41.	1.5	6
30	Trapped sweat in basketball uniforms and the effect on sweat loss estimates. <i>Physiological Reports</i> , 2017, 5, e13463.	0.7	6
31	Permanent tattooing has no impact on local sweat rate, sweat sodium concentration and skin temperature or prediction of whole-body sweat sodium concentration during moderate-intensity cycling in a warm environment. <i>European Journal of Applied Physiology</i> , 2020, 120, 1111-1122.	1.2	6
32	Sweat Sodium, Potassium, and Chloride Concentrations Analyzed Same Day as Collection Versus After 7 Days Storage in a Range of Temperatures. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2018, 28, 238-245.	1.0	5
33	Sweating Rate and Sweat Chloride Concentration of Elite Male Basketball Players Measured With a Wearable Microfluidic Device Versus the Standard Absorbent Patch Method. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2022, 32, 342-349.	1.0	4
34	Multiple regression analyses to determine the effect of sweating rate and tattoo characteristics on sweat outcome measures during exercise. <i>European Journal of Applied Physiology</i> , 2022, 122, 2163-2174.	1.2	1