

Matthew S Ganio

List of Publications by Year in descending order

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Version: 2024-02-01

109
papers

3,331
citations

136885

32
h-index

155592

55
g-index

110
all docs

110
docs citations

110
times ranked

2604
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | How long after maximal physical exertion should baseline computerized neurocognitive testing and symptom assessment be administered?. <i>Brain Injury</i> , 2021, 35, 241-247. | 0.6 | 2 |
| 2 | Obesity Blunts the Ventilatory Response to Exercise in Men and Women. <i>Annals of the American Thoracic Society</i> , 2021, 18, 1167-1174. | 1.5 | 16 |
| 3 | Adequacy of Daily Fluid Intake Volume Can Be Identified From Urinary Frequency and Perceived Thirst in Healthy Adults. <i>Journal of the American College of Nutrition</i> , 2020, 39, 235-242. | 1.1 | 2 |
| 4 | Mild hypohydration impairs cycle ergometry performance in the heat: A blinded study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019, 29, 686-695. | 1.3 | 20 |
| 5 | Walking breaks can reduce prolonged standing induced low back pain. <i>Human Movement Science</i> , 2019, 66, 31-37. | 0.6 | 10 |
| 6 | Hydration. , 2018, , 83-100. | | 4 |
| 7 | Examining the Influence of Exercise Intensity and Hydration on Gastrointestinal Temperature in Collegiate Football Players. <i>Journal of Strength and Conditioning Research</i> , 2018, 32, 2888-2896. | 1.0 | 3 |
| 8 | Hydration status influences the measurement of arterial stiffness. <i>Clinical Physiology and Functional Imaging</i> , 2018, 38, 447-454. | 0.5 | 3 |
| 9 | Effect of a Cooling Kit on Physiology and Performance Following Exercise in the Heat. <i>Journal of Sport Rehabilitation</i> , 2018, 27, 413-418. | 0.4 | 7 |
| 10 | Spot Sample Urine Specific Gravity Does Not Accurately Represent Small Decreases in Plasma Volume in Resting Healthy Males. <i>Journal of the American College of Nutrition</i> , 2018, 37, 17-23. | 1.1 | 2 |
| 11 | Obesity, but not hypohydration, mediates changes in mental task load during passive heating in females. <i>PeerJ</i> , 2018, 6, e5394. | 0.9 | 3 |
| 12 | The effect of passive heat stress on distress and self-control in male smokers and non-smokers. <i>Journal of General Psychology</i> , 2018, 145, 342-361. | 1.6 | 3 |
| 13 | Renal stress and kidney injury biomarkers in response to endurance cycling in the heat with and without ibuprofen. <i>Journal of Science and Medicine in Sport</i> , 2018, 21, 1180-1184. | 0.6 | 21 |
| 14 | Postsynaptic cutaneous vasodilation and sweating: influence of adiposity and hydration status. <i>European Journal of Applied Physiology</i> , 2018, 118, 1703-1713. | 1.2 | 3 |
| 15 | Tolerance to a haemorrhagic challenge during heat stress is improved with inspiratory resistance breathing. <i>Experimental Physiology</i> , 2018, 103, 1243-1250. | 0.9 | 3 |
| 16 | Prolonged standing increases lower limb arterial stiffness. <i>European Journal of Applied Physiology</i> , 2018, 118, 2249-2258. | 1.2 | 10 |
| 17 | Perceptual Responses to Exercise Heat Stress in Smokers versus Non-Smokers. <i>FASEB Journal</i> , 2018, 32, lb261. | 0.2 | 0 |
| 18 | Prolonged Standing Increases Lower Peripheral Arterial Stiffness Independent Of Walking Breaks. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 549. | 0.2 | 0 |

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|----|---|-----|-----------|
| 19 | The Effect of Mild Hypohydration on Performance and Thermoregulation in Male Cyclists. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 347. | 0.2 | 0 |
| 20 | Effect of Caffeine on Perceived Soreness and Functionality Following an Endurance Cycling Event. <i>Journal of Strength and Conditioning Research</i> , 2017, 31, 638-643. | 1.0 | 14 |
| 21 | Effect of hypohydration on postsynaptic cutaneous vasodilation and sweating in healthy men. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017, 312, R637-R642. | 0.9 | 10 |
| 22 | Precision, Accuracy, and Performance Outcomes of Perceived Exertion vs. Heart Rate Guided Run-training. <i>Journal of Strength and Conditioning Research</i> , 2017, 31, 630-637. | 1.0 | 2 |
| 23 | Effect of passive heat stress and exercise in the heat on arterial stiffness. <i>European Journal of Applied Physiology</i> , 2017, 117, 1679-1687. | 1.2 | 10 |
| 24 | Physiological and perceptual effects of a cooling garment during simulated industrial work in the heat. <i>Applied Ergonomics</i> , 2017, 59, 442-448. | 1.7 | 28 |
| 25 | Effect of hypohydration on thermoregulatory responses in men with low and high body fat exercising in the heat. <i>Journal of Applied Physiology</i> , 2017, 122, 142-152. | 1.2 | 11 |
| 26 | Effectiveness of Ice-Sheet Cooling Following Exertional Hyperthermia. <i>Military Medicine</i> , 2017, 182, e1951-e1957. | 0.4 | 17 |
| 27 | Independent and Combined Effects of Heat Stress and Exercise on Arterial Stiffness. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 63. | 0.2 | 0 |
| 28 | Fluid Balance of Adolescent Swimmers During Training. <i>Journal of Strength and Conditioning Research</i> , 2016, 30, 621-625. | 1.0 | 15 |
| 29 | Cooling Effectiveness of a Modified Cold-Water Immersion Method After Exercise-Induced Hyperthermia. <i>Journal of Athletic Training</i> , 2016, 51, 946-951. | 0.9 | 41 |
| 30 | Effects of obesity and mild hypohydration on local sweating and cutaneous vascular responses during passive heat stress in females. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016, 41, 879-887. | 0.9 | 8 |
| 31 | Pro- and anti-inflammatory cytokine responses to a 164-km road cycle ride in a hot environment. <i>European Journal of Applied Physiology</i> , 2016, 116, 2007-2015. | 1.2 | 15 |
| 32 | Physiologic and Perceptual Responses to Cold-Shower Cooling After Exercise-Induced Hyperthermia. <i>Journal of Athletic Training</i> , 2016, 51, 252-257. | 0.9 | 20 |
| 33 | Effects of mild hypohydration on cooling during cold-water immersion following exertional hyperthermia. <i>European Journal of Applied Physiology</i> , 2016, 116, 687-695. | 1.2 | 6 |
| 34 | Observed Dietary Practices of Recreational Ultraendurance Cyclists in the Heat. <i>Journal of Strength and Conditioning Research</i> , 2016, 30, 1607-1612. | 1.0 | 3 |
| 35 | No Change in 24-Hour Hydration Status Following a Moderate Increase in Fluid Consumption. <i>Journal of the American College of Nutrition</i> , 2016, 35, 308-316. | 1.1 | 5 |
| 36 | Heat acclimation improves heat exercise tolerance and heat dissipation in individuals with extensive skin grafts. <i>Journal of Applied Physiology</i> , 2015, 119, 69-76. | 1.2 | 22 |

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|----|--|-----|-----------|
| 37 | Aerobic Fitness Is Disproportionately Low in Adult Burn Survivors Years After Injury. <i>Journal of Burn Care and Research</i> , 2015, 36, 513-519. | 0.2 | 31 |
| 38 | Nongrafted Skin Area Best Predicts Exercise Core Temperature Responses in Burned Humans. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 2224-2232. | 0.2 | 30 |
| 39 | Forearm cutaneous vascular and sudomotor responses to whole body passive heat stress in young smokers. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R36-R42. | 0.9 | 9 |
| 40 | Effects of Hypohydration on Cooling During Cold Water Immersion after Exercise-Induced Hyperthermia. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 459. | 0.2 | 0 |
| 41 | Effects of obesity on body temperature in otherwise-healthy females when controlling hydration and heat production during exercise in the heat. <i>European Journal of Applied Physiology</i> , 2015, 115, 167-176. | 1.2 | 25 |
| 42 | Response. <i>European Journal of Applied Physiology</i> , 2015, 115, 1603-1604. | 1.2 | 2 |
| 43 | Effect of cycling in the heat for 164km on procoagulant and fibrinolytic parameters. <i>European Journal of Applied Physiology</i> , 2015, 115, 1295-1303. | 1.2 | 7 |
| 44 | Hydration status affects mood state and pain sensation during ultra-endurance cycling. <i>Journal of Sports Sciences</i> , 2015, 33, 1962-1969. | 1.0 | 35 |
| 45 | Effective body water and body mass changes during summer ultra-endurance road cycling. <i>Journal of Sports Sciences</i> , 2015, 33, 125-135. | 1.0 | 9 |
| 46 | Hydration Status over 24-H Is Not Affected by Ingested Beverage Composition. <i>Journal of the American College of Nutrition</i> , 2015, 34, 318-327. | 1.1 | 8 |
| 47 | Effect of Air-Filled Vest on Exercise-Heat Strain When Wearing Ballistic Protection. <i>Annals of Occupational Hygiene</i> , 2014, 58, 1057-64. | 1.9 | 5 |
| 48 | Forehead versus forearm skin vascular responses at presyncope in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R908-R913. | 0.9 | 7 |
| 49 | Novel hydration assessment techniques employing thirst and a water intake challenge in healthy men. <i>Applied Physiology, Nutrition and Metabolism</i> , 2014, 39, 138-144. | 0.9 | 34 |
| 50 | Drinking to Thirst Versus Drinking Ad Libitum During Road Cycling. <i>Journal of Athletic Training</i> , 2014, 49, 624-631. | 0.9 | 45 |
| 51 | Sugar-Sweetened Beverages and Hydration. , 2014, , 277-291. | | 0 |
| 52 | Cardiometabolic and Performance Outcomes of Run Training Based on Perceived Exertion versus Heart Rate. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 686. | 0.2 | 2 |
| 53 | Endogenous Antioxidant Enzyme Response to a 164km Cycling Event in the Heat. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 559. | 0.2 | 0 |
| 54 | Hypercoagulability in response to elevated body temperature and central hypovolemia. <i>Journal of Surgical Research</i> , 2013, 185, e93-e100. | 0.8 | 31 |

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|----|---|-----|-----------|
| 55 | Sweat loss during heat stress contributes to subsequent reductions in lower-body negative pressure tolerance. <i>Experimental Physiology</i> , 2013, 98, 473-480. | 0.9 | 25 |
| 56 | Effect of Human Skin Grafts on Whole-Body Heat Loss During Exercise Heat Stress. <i>Journal of Burn Care and Research</i> , 2013, 34, e263-e270. | 0.2 | 21 |
| 57 | Whole-body sweat sensitivity in burn survivors following heat acclimation. <i>FASEB Journal</i> , 2013, 27, 1133.6. | 0.2 | 0 |
| 58 | Pulmonary Artery and Intestinal Temperatures during Heat Stress and Cooling. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 857-862. | 0.2 | 25 |
| 59 | Cardiovascular Drift During Heat Stress. <i>Exercise and Sport Sciences Reviews</i> , 2012, 40, 88-94. | 1.6 | 62 |
| 60 | Mild Dehydration Affects Mood in Healthy Young Women,. <i>Journal of Nutrition</i> , 2012, 142, 382-388. | 1.3 | 165 |
| 61 | Effect of heat stress on cardiac output and systemic vascular conductance during simulated hemorrhage to presyncope in young men. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H1756-H1761. | 1.5 | 30 |
| 62 | Nutritional, Physiological, and Perceptual Responses During a Summer Ultraendurance Cycling Event. <i>Journal of Strength and Conditioning Research</i> , 2012, 26, 307-318. | 1.0 | 32 |
| 63 | Modified iodine-paper technique for the standardized determination of sweat gland activation. <i>Journal of Applied Physiology</i> , 2012, 112, 1419-1425. | 1.2 | 43 |
| 64 | Effect of caffeine on internal temperature. <i>European Journal of Applied Physiology</i> , 2012, 112, 1977-1978. | 1.2 | 1 |
| 65 | Hypercapnia does not improve hyperthermic simulated hemorrhagic tolerance. <i>FASEB Journal</i> , 2012, 26, 1080.8. | 0.2 | 0 |
| 66 | Infrared thermal imaging of human skin temperature during combined simulated hemorrhage and thermal stress. <i>FASEB Journal</i> , 2012, 26, . | 0.2 | 0 |
| 67 | Tolerance to a hemorrhagic challenge during heat stress is improved with inspiratory resistance breathing. <i>FASEB Journal</i> , 2012, 26, 1080.9. | 0.2 | 0 |
| 68 | Validity of auscultatory and Penaz blood pressure measurements during profound heat stress alone and with an orthostatic challenge. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 301, R1510-R1516. | 0.9 | 18 |
| 69 | Mild dehydration impairs cognitive performance and mood of men. <i>British Journal of Nutrition</i> , 2011, 106, 1535-1543. | 1.2 | 221 |
| 70 | Caffeine lowers muscle pain during exercise in hot but not cool environments. <i>Physiology and Behavior</i> , 2011, 102, 429-435. | 1.0 | 19 |
| 71 | Physical Demands of National Collegiate Athletic Association Division I Football Players During Preseason Training in the Heat. <i>Journal of Strength and Conditioning Research</i> , 2011, 25, 2935-2943. | 1.0 | 42 |
| 72 | Comparison of Body Cooling Methods on Physiological and Perceptual Measures of Mildly Hyperthermic Athletes. <i>Journal of Strength and Conditioning Research</i> , 2011, 25, 2065-2074. | 1.0 | 50 |

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|----|---|-----|-----------|
| 73 | Heat-stress-induced changes in central venous pressure do not explain interindividual differences in orthostatic tolerance during heat stress. <i>Journal of Applied Physiology</i> , 2011, 110, 1283-1289. | 1.2 | 22 |
| 74 | Is Oral Temperature an Accurate Measurement of Deep Body Temperature? A Systematic Review. <i>Journal of Athletic Training</i> , 2011, 46, 566-573. | 0.9 | 56 |
| 75 | Effect of passive heat stress on arterial stiffness. <i>Experimental Physiology</i> , 2011, 96, 919-926. | 0.9 | 36 |
| 76 | Effect of ambient temperature on caffeine ergogenicity during endurance exercise. <i>European Journal of Applied Physiology</i> , 2011, 111, 1135-1146. | 1.2 | 32 |
| 77 | End-tidal carbon dioxide tension reflects arterial carbon dioxide tension in the heat-stressed human with and without simulated hemorrhage. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R978-R983. | 0.9 | 25 |
| 78 | Cardiac output at preâ€syncope in the heatâ€stressed human. <i>FASEB Journal</i> , 2011, 25, 1053.4. | 0.2 | 0 |
| 79 | Dehydration during wholeâ€body heat stress contributes to subsequent reductions in lowerâ€body negative pressure (LBNP) tolerance. <i>FASEB Journal</i> , 2011, 25, . | 0.2 | 0 |
| 80 | The American Football Uniform: Uncompensable Heat Stress and Hyperthermic Exhaustion. <i>Journal of Athletic Training</i> , 2010, 45, 117-127. | 0.9 | 112 |
| 81 | Thermoregulatory Responses and Hydration Practices in Heat-Acclimatized Adolescents During Preseason High School Football. <i>Journal of Athletic Training</i> , 2010, 45, 136-146. | 0.9 | 59 |
| 82 | Influence of Hydration on Physiological Function and Performance During Trail Running in the Heat. <i>Journal of Athletic Training</i> , 2010, 45, 147-156. | 0.9 | 134 |
| 83 | Effect of Various Carbohydrate-Electrolyte Fluids on Cycling Performance and Maximal Voluntary Contraction. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2010, 20, 104-114. | 1.0 | 22 |
| 84 | Accumulation of 2H ₂ O in plasma and eccrine sweat during exercise-heat stress. <i>European Journal of Applied Physiology</i> , 2010, 108, 477-482. | 1.2 | 10 |
| 85 | Perceptual Responses While Wearing an American Football Uniform in the Heat. <i>Journal of Athletic Training</i> , 2010, 45, 107-116. | 0.9 | 35 |
| 86 | Effect of quercetin supplementation on maximal oxygen uptake in men and women. <i>Journal of Sports Sciences</i> , 2010, 28, 201-208. | 1.0 | 48 |
| 87 | Mild dehydration degrades mood and symptoms, not cognitive performance in females: a placeboâ€controlled study.. <i>FASEB Journal</i> , 2010, 24, 991.7. | 0.2 | 4 |
| 88 | Effect of Caffeine on Sport-Specific Endurance Performance: A Systematic Review. <i>Journal of Strength and Conditioning Research</i> , 2009, 23, 315-324. | 1.0 | 206 |
| 89 | Influence of Hydration Status on Pacing During Trail Running in the Heat. <i>Journal of Strength and Conditioning Research</i> , 2009, 23, 2533-2541. | 1.0 | 45 |
| 90 | Validity and Reliability of Devices That Assess Body Temperature During Indoor Exercise in the Heat. <i>Journal of Athletic Training</i> , 2009, 44, 124-135. | 0.9 | 145 |

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|-----|--|-----|-----------|
| 91 | Acute Whole-Body Cooling for Exercise-Induced Hyperthermia: A Systematic Review. <i>Journal of Athletic Training</i> , 2009, 44, 84-93. | 0.9 | 172 |
| 92 | Hydration Status, Sweat Rates, and Rehydration Education of Youth Football Campers. <i>Journal of Sport Rehabilitation</i> , 2009, 18, 535-552. | 0.4 | 41 |
| 93 | Does Creatine Supplementation Hinder Exercise Heat Tolerance or Hydration Status? A Systematic Review With Meta-Analyses. <i>Journal of Athletic Training</i> , 2009, 44, 215-223. | 0.9 | 46 |
| 94 | Hydration Status, Knowledge, and Behavior in Youths at Summer Sports Camps. <i>International Journal of Sports Physiology and Performance</i> , 2008, 3, 262-278. | 1.1 | 48 |
| 95 | Effect of Ambient Temperature on Cardiovascular Drift and Maximal Oxygen Uptake. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 1065-1071. | 0.2 | 40 |
| 96 | Intravenous versus Oral Rehydration. <i>Current Sports Medicine Reports</i> , 2008, 7, S41-S49. | 0.5 | 15 |
| 97 | Validation of a Modified Environmental Symptoms Questionnaire for Exercise in the Heat. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, S190. | 0.2 | 4 |
| 98 | Relationships Among Urinary Hydration Markers and Thirst Sensation in Exercising Youth. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, S186. | 0.2 | 0 |
| 99 | Environmental Temperature Effects on Occupational Work Performance and Circulating Testosterone, Cortisol, and Creatine Kinase. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, S355. | 0.2 | 0 |
| 100 | Recovery and Return to Activity Following Exertional Heat Stroke: Considerations for the Sports Medicine Staff. <i>Journal of Sport Rehabilitation</i> , 2007, 16, 163-181. | 0.4 | 59 |
| 101 | Caffeine, Fluid-Electrolyte Balance, Temperature Regulation, and Exercise-Heat Tolerance. <i>Exercise and Sport Sciences Reviews</i> , 2007, 35, 135-140. | 1.6 | 69 |
| 102 | Evidence-Based Approach to Lingering Hydration Questions. <i>Clinics in Sports Medicine</i> , 2007, 26, 1-16. | 0.9 | 26 |
| 103 | Knowledge And Habits Of Adolescents Regarding Hydration And Heat Illness During Preseason High School Football. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, S49. | 0.2 | 0 |
| 104 | Validity of devices that assess body temperature during outdoor exercise in the heat. <i>Journal of Athletic Training</i> , 2007, 42, 333-42. | 0.9 | 151 |
| 105 | Fluid Ingestion Attenuates the Decline in $\dot{V}_{I\dot{O}_2}$ peak Associated with Cardiovascular Drift. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 901-909. | 0.2 | 47 |
| 106 | Short-term effects of aerobic exercise on executive processing, memory, and emotional reactivity. <i>International Journal of Sport and Exercise Psychology</i> , 2006, 4, 57-72. | 1.1 | 52 |
| 107 | Sweat Rate, Fluid Consumption, and Hydration Indices for Youth Soccer Players. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, S110-S111. | 0.2 | 0 |
| 108 | Cardiovascular Drift Is Related to Reduced Maximal Oxygen Uptake during Heat Stress. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, 248-255. | 0.2 | 78 |

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|-----|--|-----|-----------|
| 109 | Exertional Heat Stroke in Competitive Athletes. <i>Current Sports Medicine Reports</i> , 2005, 4, 309-317. | 0.5 | 119 |