

# Jason Kai Wei Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

90  
papers

3,138  
citations

218592

26  
h-index

168321

53  
g-index

98  
all docs

98  
docs citations

98  
times ranked

2425  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | The 2021 report of the Lancet Countdown on health and climate change: code red for a healthy future. <i>Lancet, The</i> , 2021, 398, 1619-1662.  | 6.3 | 669       |
| 2  | Consensus recommendations on training and competing in the heat. <i>British Journal of Sports Medicine</i> , 2015, 49, 1164-1173.  | 3.1 | 195       |
| 3  | Wireless battery-free body sensor networks using near-field-enabled clothing. <i>Nature Communications</i> , 2020, 11, 444.  | 5.8 | 165       |
| 4  | Continuous Thermoregulatory Responses to Mass-Participation Distance Running in Heat. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 803-810.                              | 0.2 | 151       |
| 5  | Consensus recommendations on training and competing in the heat. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015, 25, 6-19.   | 1.3 | 144       |
| 6  | Cold Drink Ingestion Improves Exercise Endurance Capacity in the Heat. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 1637-1644.   | 0.2 | 133       |
| 7  | S100B as a Marker for Brain Damage and Bloodâ€“Brain Barrier Disruption Following Exercise. <i>Sports Medicine</i> , 2014, 44, 369-385.  | 3.1 | 110       |
| 8  | Thermal stress, human performance, and physical employment standards. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016, 41, S148-S164.   | 0.9 | 96        |
| 9  | Digitally-embroidered liquid metal electronic textiles for wearable wireless systems. <i>Nature Communications</i> , 2022, 13, 2190.   | 5.8 | 87        |
| 10 | Neck cooling and cognitive performance following exercise-induced hyperthermia. <i>European Journal of Applied Physiology</i> , 2014, 114, 375-384.  | 1.2 | 80        |
| 11 | Thermoregulation, pacing and fluid balance during mass participation distance running in a warm and humid environment. <i>European Journal of Applied Physiology</i> , 2010, 109, 887-898. | 1.2 | 78        |
| 12 | Consensus Recommendations on Training and Competing in the Heat. <i>Sports Medicine</i> , 2015, 45, 925-938.   | 3.1 | 70        |
| 13 | Efficacy of Heat Mitigation Strategies on Core Temperature and Endurance Exercise: A Meta-Analysis. <i>Frontiers in Physiology</i> , 2019, 10, 71.   | 1.3 | 64        |
| 14 | Ice Slurry on Outdoor Running Performance in Heat. <i>International Journal of Sports Medicine</i> , 2012, 33, 859-866.  | 0.8 | 62        |
| 15 | Pathophysiological Mechanisms by which Heat Stress Potentially Induces Kidney Inflammation and Chronic Kidney Disease in Sugarcane Workers. <i>Nutrients</i> , 2020, 12, 1639.             | 1.7 | 57        |
| 16 | The influence of serial feeding of drinks at different temperatures on thermoregulatory responses during cycling. <i>Journal of Sports Sciences</i> , 2008, 26, 583-590.                   | 1.0 | 56        |
| 17 | The influence of drink temperature on thermoregulatory responses during prolonged exercise in a moderate environment. <i>Journal of Sports Sciences</i> , 2007, 25, 975-985.               | 1.0 | 55        |
| 18 | Are we being drowned in hydration advice? Thirsty for more?. <i>Extreme Physiology and Medicine</i> , 2014, 3, 18.   | 2.5 | 53        |

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|----|--|-----|-----------|
| 19 | Project Coolbit: can your watch predict heat stress and thermal comfort sensation?. Environmental Research Letters, 2021, 16, 034031.  | 2.2 | 44        |
| 20 | Personal assessment of urban heat exposure: a systematic review. Environmental Research Letters, 2021, 16, 033005.   | 2.2 | 43        |
| 21 | Self-Paced Exercise Performance in the Heat After Pre-Exercise Cold-Fluid Ingestion. Journal of Athletic Training, 2011, 46, 592-599.  | 0.9 | 37        |
| 22 | Re-visiting the tympanic membrane vicinity as core body temperature measurement site. PLoS ONE, 2017, 12, e0174120.  | 1.1 | 36        |
| 23 | Heat Stress and Thermal Perception amongst Healthcare Workers during the COVID-19 Pandemic in India and Singapore. International Journal of Environmental Research and Public Health, 2020, 17, 8100.  | 1.2 | 35        |
| 24 | The role of fluid temperature and form on endurance performance in the heat. Scandinavian Journal of Medicine and Science in Sports, 2015, 25, 39-51.  | 1.3 | 32        |
| 25 | COVID-19 and heat waves: New challenges for healthcare systems. Environmental Research, 2021, 198, 111153.   | 3.7 | 32        |
| 26 | First Reported Cases of Exercise-Associated Hyponatremia in Asia. International Journal of Sports Medicine, 2011, 32, 297-302.   | 0.8 | 31        |
| 27 | COVID-19 and thermoregulation-related problems: Practical recommendations. Temperature, 2021, 8, 1-11.   | 1.6 | 28        |
| 28 | Establishing intensifying chronic exposure to extreme heat as a slow onset event with implications for health, wellbeing, productivity, society and economy. Current Opinion in Environmental Sustainability, 2021, 50, 225-235.             | 3.1 | 28        |
| 29 | Effects of milk ingestion on prolonged exercise capacity in young, healthy men. Nutrition, 2008, 24, 340-347.  | 1.1 | 27        |
| 30 | Cold Drink Attenuates Heat Strain during Work-rest Cycles. International Journal of Sports Medicine, 2013, 34, 1037-1042.  | 0.8 | 26        |
| 31 | Effects of heat acclimatisation on work tolerance and thermoregulation in trained tropical natives. Journal of Thermal Biology, 2012, 37, 366-373.   | 1.1 | 22        |
| 32 | Novel Cooling Strategies for Military Training and Operations. Journal of Strength and Conditioning Research, 2015, 29, S77-S81.   | 1.0 | 21        |
| 33 | Impairment of Cycling Capacity in the Heat in Well-Trained Endurance Athletes After High-Intensity Short-Term Heat Acclimation. International Journal of Sports Physiology and Performance, 2019, 14, 1058-1065.                             | 1.1 | 21        |
| 34 | A Web Survey to Evaluate the Thermal Stress Associated with Personal Protective Equipment among Healthcare Workers during the COVID-19 Pandemic in Italy. International Journal of Environmental Research and Public Health, 2021, 18, 3861. | 1.2 | 20        |
| 35 | Role of Histone Deacetylases in Skeletal Muscle Physiology and Systemic Energy Homeostasis: Implications for Metabolic Diseases and Therapy. Frontiers in Physiology, 2020, 11, 949.   | 1.3 | 19        |
| 36 | Assessment of the economic impact of heat-related labor productivity loss: a systematic review. Climatic Change, 2021, 167, 1.   | 1.7 | 18        |

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|----|--|-----|-----------|
| 37 | Recycled Cellulose Aerogels from Paper Waste for a Heat Insulation Design of Canteen Bottles. <i>Fluids</i> , 2019, 4, 174.  | 0.8 | 15        |
| 38 | Evaluating the effectiveness of labor protection policy on occupational injuries caused by extreme heat in a large subtropical city of China. <i>Environmental Research</i> , 2020, 186, 109532.   | 3.7 | 15        |
| 39 | Intersubjective Comparisons Are Possible with an Accurate Use of the Borg CR Scales. <i>International Journal of Sports Physiology and Performance</i> , 2011, 6, 2-7.   | 1.1 | 14        |
| 40 | Effects of ingesting a sports drink during exercise and recovery on subsequent endurance capacity. <i>European Journal of Sport Science</i> , 2011, 11, 77-86.   | 1.4 | 13        |
| 41 | Using gait parameters to detect fatigue and responses to ice slurry during prolonged load carriage. <i>Gait and Posture</i> , 2016, 43, 17-23.   | 0.6 | 13        |
| 42 | Lactose-free milk prolonged endurance capacity in lactose intolerant Asian males. <i>Journal of the International Society of Sports Nutrition</i> , 2014, 11, 49.  | 1.7 | 11        |
| 43 | Evaluation of Various Cooling Systems After Exercise-Induced Hyperthermia. <i>Journal of Athletic Training</i> , 2017, 52, 108-116.  | 0.9 | 11        |
| 44 | Body Mass Changes Across a Variety of Running Race Distances in the Tropics. <i>Sports Medicine - Open</i> , 2016, 2, 26.  | 1.3 | 10        |
| 45 | PM 2.5 : A barrier to fitness and health promotion in China. <i>Journal of Sport and Health Science</i> , 2017, 6, 292-294.  | 3.3 | 10        |
| 46 | Efficacy of Ingesting an Oral Rehydration Solution after Exercise on Fluid Balance and Endurance Performance. <i>Nutrients</i> , 2020, 12, 3826.   | 1.7 | 10        |
| 47 | Perceptions of heat-health impacts and the effects of knowledge and preventive actions by outdoor workers in Hanoi, Vietnam. <i>Science of the Total Environment</i> , 2021, 794, 148260.  | 3.9 | 10        |
| 48 | Update: Efficacy of Military Fluid Intake Guidance. <i>Military Medicine</i> , 2018, 183, e338-e342.   | 0.4 | 9         |
| 49 | Altered brain structure with preserved cortical motor activity after exertional hypohydration: a MRI study. <i>Journal of Applied Physiology</i> , 2019, 127, 157-167.   | 1.2 | 9         |
| 50 | Nonlinear mixed effects modelling for the analysis of longitudinal body core temperature data in healthy volunteers. <i>Physiological Measurement</i> , 2016, 37, 485-502.   | 1.2 | 8         |
| 51 | Workplace Heat: An increasing threat to occupational health and productivity. <i>American Journal of Industrial Medicine</i> , 2019, 62, 1076-1078.  | 1.0 | 8         |
| 52 | The Physiological Strain Index Modified for Trained Heat-Acclimatized Individuals in Outdoor Heat. <i>International Journal of Sports Physiology and Performance</i> , 2019, 14, 805-813.  | 1.1 | 8         |
| 53 | &lt;p&gt;Characteristics of Physical Fitness and Cardiometabolic Risk in Chinese University Students with Normal-Weight Obesity: A Cross-Sectional Study&lt;/p&gt;. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2020, Volume 13, 4157-4167. | 1.1 | 8         |
| 54 | Thermoregulatory responses to ice slurry ingestion during low and moderate intensity exercises with restrictive heat loss. <i>Journal of Science and Medicine in Sport</i> , 2021, 24, 105-109.  | 0.6 | 8         |

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|----|---|-----|-----------|
| 55 | Hydration Status, Fluid Intake, Sweat Rate, and Sweat Sodium Concentration in Recreational Tropical Native Runners. <i>Nutrients</i> , 2021, 13, 1374.  | 1.7 | 8         |
| 56 | Assessment of dehydration using body mass changes of elite marathoners in the tropics. <i>Journal of Science and Medicine in Sport</i> , 2021, 24, 806-810.   | 0.6 | 8         |
| 57 | Effects of a carbohydrate-electrolyte solution on cognitive performance following exercise-induced hyperthermia in humans. <i>Journal of the International Society of Sports Nutrition</i> , 2014, 11, 51.              | 1.7 | 7         |
| 58 | Tracking body core temperature in military thermal environments: An extended Kalman filter approach. , 2016, , .  |     | 7         |
| 59 | Author's Reply to Brocherie and Millet: Is the Wet-Bulb Globe Temperature (WBGT) Index Relevant for Exercise in the Heat? <i>Sports Medicine</i> , 2015, 45, 1623-1624.   | 3.1 | 6         |
| 60 | The Impact of Temperature on the Risk of COVID-19: A Multinational Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4052.  | 1.2 | 6         |
| 61 | Neural basis of exertional fatigue in the heat: A review of magnetic resonance imaging methods. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 807-818.                                      | 1.3 | 5         |
| 62 | Personalized Hydration Strategy Attenuates the Rise in Heart Rate and in Skin Temperature Without Altering Cycling Capacity in the Heat. <i>Frontiers in Nutrition</i> , 2018, 5, 22.                                   | 1.6 | 5         |
| 63 | Solar radiation and the validity of infrared tympanic temperature during exercise in the heat. <i>International Journal of Biometeorology</i> , 2020, 64, 39-45.  | 1.3 | 5         |
| 64 | Thermal strain and fluid balance during a 72-km military route march in a field setting. <i>Singapore Medical Journal</i> , 2022, 63, 497.  | 0.3 | 4         |
| 65 | Changes in energy balance, body composition, metabolic profile and physical performance in a 62-day Army Ranger training in a hot-humid environment. <i>Journal of Science and Medicine in Sport</i> , 2022, 25, 89-94. | 0.6 | 4         |
| 66 | The use of sun-shade on safe heat exposure limit on a sunny summer day: a modelling study in Japan. <i>International Journal of Biometeorology</i> , 2022, , 1.   | 1.3 | 4         |
| 67 | Exertional heat stroke: nutritional considerations. <i>Experimental Physiology</i> , 2022, 107, 1122-1135.  | 0.9 | 4         |
| 68 | Effects Of Drink Temperature After Exercise: Thermoregulatory Responses And Accuracy Of Ingestible Temperature Capsules. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 113.                            | 0.2 | 3         |
| 69 | Effect of regular precooling on adaptation to training in the heat. <i>European Journal of Applied Physiology</i> , 2020, 120, 1143-1154.   | 1.2 | 3         |
| 70 | Heat Stress and Thermal Perceptions Amongst Healthcare Workers During the COVID-19 Pandemic in Developed and Developing Countries. <i>SSRN Electronic Journal</i> , 0, , .  | 0.4 | 3         |
| 71 | Hydration Status and Fluid Replacement Strategies of High-Performance Adolescent Athletes: An Application of Machine Learning to Distinguish Hydration Characteristics. <i>Nutrients</i> , 2021, 13, 4073.              | 1.7 | 3         |
| 72 | Effect of ischemic preconditioning on maximum accumulated oxygen deficit in 400-meter runners. <i>European Journal of Sport Science</i> , 2023, 23, 789-796.  | 1.4 | 3         |

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|----|---|----------|-----------|
| 73 | Effects Of Exercise-induced Hypohydration On Brain Structure And Function, A MRI Study. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 824.   | 0.2      | 2         |
| 74 | Cultural differences in hydration practices among physically active individuals: a narrative review. <i>Journal of the International Society of Sports Nutrition</i> , 2022, 19, 150-163.   | 1.7      | 2         |
| 75 | Heat tolerance in wet tropical natives using an established heat tolerance test. <i>Journal of Science and Medicine in Sport</i> , 2017, 20, S58.   | 0.6      | 1         |
| 76 | Ice Slurry Ingestion Reduces Serum Cortisol Concentrations Independent Of Physiological Strain Following Treadmill Running. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 36-37.                                     | 0.2      | 1         |
| 77 | Sensory Perception of an Oral Rehydration Solution during Exercise in the Heat. <i>Nutrients</i> , 2021, 13, 3313.  | 1.7      | 1         |
| 78 | Drink Temperature And Thermoregulatory Responses During Prolonged Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S28.   | 0.2      | 1         |
| 79 | Palatable Flavoured Fluids without Carbohydrates and Electrolytes Do Not Enhance Voluntary Fluid Consumption in Male Collegiate Basketball Players in the Heat. <i>Nutrients</i> , 2021, 13, 4197.                                    | 1.7      | 1         |
| 80 | Small changes in thermal conditions hinder marathon running performance in the tropics. <i>Temperature</i> , 0, , 1-16.   | 1.6      | 1         |
| 81 | Unsubstantiated Speculation on the Lack of Fluid Intake in Increasing Heat-Related Illnesses. <i>Journal of Strength and Conditioning Research</i> , 2010, 24, 2576.  | 1.0      | 0         |
| 82 | Exercise-Associated Hyponatremia in the Tropics. <i>International Journal of Sports Medicine</i> , 2011, 32, 815-815.   | 0.8      | 0         |
| 83 | Thermoregulatory responses during prolonged exercise in the heat are not affected by fluid temperatures ranging from 5 to 35°C. <i>Taiikugaku Kenkyu (Japan Journal of Physical Education Health and)</i> Tj ETQq1.0 0.784814 rgBT (C | 0.784814 | 0         |
| 84 | Functional Changes in Motor Cortical Brain Regions following Passive and Exertional Heat Stress. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 452.  | 0.2      | 0         |
| 85 | A web survey to evaluate the thermal stress among healthcare workers during the COVID-19 pandemic in Italy. , 0, , .  |          | 0         |
| 86 | Global warming increases the risk of the stillbirth: a ten years follow-up study in Taiwan. <i>ISEE Conference Abstracts</i> , 2021, 2021, .  | 0.0      | 0         |
| 87 | Reply to Dumke, C. Comment on Fan et al. Efficacy of Ingesting an Oral Rehydration Solution after Exercise on Fluid Balance and Endurance Performance. <i>Nutrients</i> 2020, 12, 3826; <i>Nutrients</i> , 2021, 13, 3215.            | 1.7      | 0         |
| 88 | Gender Affects Serum Lipopolysaccharide Response During A Marathon Race In The Tropics. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 914-915.   | 0.2      | 0         |
| 89 | Extracellular Heat Shock Protein Responses Following 5- And 10-days Of Heat Acclimatisation In Fire-fighting Trainees. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 632.  | 0.2      | 0         |
| 90 | Climate Change, Occupational Heat Stress, Human Health and Socio-Economic Factors. , 2020, , 1-19.  |          | 0         |