

Martin J Macinnis

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,507
citations

279798

23
h-index

206112

48
g-index

62
all docs

62
docs citations

62
times ranked

3207
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Physiological adaptations to interval training and the role of exercise intensity. <i>Journal of Physiology</i> , 2017, 595, 2915-2930. | 2.9 | 589 |
| 2 | The 2018 Lake Louise Acute Mountain Sickness Score. <i>High Altitude Medicine and Biology</i> , 2018, 19, 4-6. | 0.9 | 324 |
| 3 | Twelve Weeks of Sprint Interval Training Improves Indices of Cardiometabolic Health Similar to Traditional Endurance Training despite a Five-Fold Lower Exercise Volume and Time Commitment. <i>PLoS ONE</i> , 2016, 11, e0154075. | 2.5 | 246 |
| 4 | Superior mitochondrial adaptations in human skeletal muscle after interval compared to continuous single-leg cycling matched for total work. <i>Journal of Physiology</i> , 2017, 595, 2955-2968. | 2.9 | 148 |
| 5 | Brief Intense Stair Climbing Improves Cardiorespiratory Fitness. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 298-307. | 0.4 | 72 |
| 6 | Evidence for a Genetic Basis for Altitude Illness: 2010 Update. <i>High Altitude Medicine and Biology</i> , 2010, 11, 349-368. | 0.9 | 67 |
| 7 | Sessile snails, dynamic genomes: gene rearrangements within the mitochondrial genome of a family of caenogastropod molluscs. <i>BMC Genomics</i> , 2010, 11, 440. | 2.8 | 64 |
| 8 | Investigating human skeletal muscle physiology with unilateral exercise models: when one limb is more powerful than two. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017, 42, 563-570. | 1.9 | 61 |
| 9 | Menstrual and oral contraceptive cycle phases do not affect submaximal and maximal exercise responses. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 472-484. | 2.9 | 60 |
| 10 | Acute Beetroot Juice Supplementation Does Not Improve Cycling Performance in Normoxia or Moderate Hypoxia. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2015, 25, 359-366. | 2.1 | 47 |
| 11 | Sodium bicarbonate ingestion augments the increase in PGC-1 α mRNA expression during recovery from intense interval exercise in human skeletal muscle. <i>Journal of Applied Physiology</i> , 2015, 119, 1303-1312. | 2.5 | 41 |
| 12 | A Prospective Epidemiological Study of Acute Mountain Sickness in Nepalese Pilgrims Ascending to High Altitude (4380 m). <i>PLoS ONE</i> , 2013, 8, e75644. | 2.5 | 38 |
| 13 | Is Poor Sleep Quality at High Altitude Separate from Acute Mountain Sickness? Factor Structure and Internal Consistency of the Lake Louise Score Questionnaire. <i>High Altitude Medicine and Biology</i> , 2013, 14, 334-337. | 0.9 | 37 |
| 14 | Manipulating Carbohydrate Availability Between Twice-Daily Sessions of High-Intensity Interval Training Over 2 Weeks Improves Time-Trial Performance. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2015, 25, 463-470. | 2.1 | 37 |
| 15 | Comments on Point:Counterpoint: Hypobaric hypoxia induces/does not induce different responses from normobaric hypoxia. <i>Journal of Applied Physiology</i> , 2012, 112, 1788-1794. | 2.5 | 34 |
| 16 | Effect of sex on the acute skeletal muscle response to sprint interval exercise. <i>Experimental Physiology</i> , 2017, 102, 354-365. | 2.0 | 31 |
| 17 | Thromboelastometry and Platelet Function during Acclimatization to High Altitude. <i>Thrombosis and Haemostasis</i> , 2018, 118, 063-071. | 3.4 | 30 |
| 18 | The Reliability of 4-Minute and 20-Minute Time Trials and Their Relationships to Functional Threshold Power in Trained Cyclists. <i>International Journal of Sports Physiology and Performance</i> , 2019, 14, 38-45. | 2.3 | 30 |

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|----|--|-----|-----------|
| 19 | NIRS-derived skeletal muscle oxidative capacity is correlated with aerobic fitness and independent of sex. <i>Journal of Applied Physiology</i> , 2020, 129, 558-568. | 2.5 | 29 |
| 20 | Effects of the menstrual and oral contraceptive cycle phases on microvascular reperfusion. <i>Experimental Physiology</i> , 2020, 105, 184-191. | 2.0 | 26 |
| 21 | The Genetics of Altitude Tolerance. <i>Journal of Occupational and Environmental Medicine</i> , 2011, 53, 159-168. | 1.7 | 25 |
| 22 | Inhaled salbutamol does not affect athletic performance in asthmatic and non-asthmatic cyclists. <i>British Journal of Sports Medicine</i> , 2015, 49, 51-55. | 6.7 | 25 |
| 23 | Evidence for and Against Genetic Predispositions to Acute and Chronic Altitude Illnesses. <i>High Altitude Medicine and Biology</i> , 2016, 17, 281-293. | 0.9 | 25 |
| 24 | A fast, reliable and sample-sparing method to identify fibre types of single muscle fibres. <i>Scientific Reports</i> , 2019, 9, 6473. | 3.3 | 25 |
| 25 | â€™ome on the Range: Altitude Adaptation, Positive Selection, and Himalayan Genomics. <i>High Altitude Medicine and Biology</i> , 2011, 12, 133-139. | 0.9 | 24 |
| 26 | Methods to Estimate $\dot{V}\text{E}^{\text{TM}}\text{O}_2\text{max}$ upon Acute Hypoxia Exposure. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 1869-1876. | 0.4 | 23 |
| 27 | Factor Structure and Internal Validity of the Functional Movement Screen in Adults. <i>Journal of Strength and Conditioning Research</i> , 2016, 30, 540-546. | 2.1 | 23 |
| 28 | Lactalbumin, Not Collagen, Augments Muscle Protein Synthesis with Aerobic Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1394-1403. | 0.4 | 23 |
| 29 | CrossTalk proposal: Exercise training intensity is more important than volume to promote increases in human skeletal muscle mitochondrial content. <i>Journal of Physiology</i> , 2019, 597, 4111-4113. | 2.9 | 22 |
| 30 | Physiological responses to incremental, interval, and continuous counterweighted single-leg and double-leg cycling at the same relative intensities. <i>European Journal of Applied Physiology</i> , 2017, 117, 1423-1435. | 2.5 | 21 |
| 31 | âˆ2-Alanine Supplementation Does Not Augment the Skeletal Muscle Adaptive Response to 6 Weeks of Sprint Interval Training. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2015, 25, 541-549. | 2.1 | 20 |
| 32 | Effects of inhaled bronchodilators on lung function and cycling performance in female athletes with and without exercise-induced bronchoconstriction. <i>Journal of Science and Medicine in Sport</i> , 2015, 18, 607-612. | 1.3 | 19 |
| 33 | Human skeletal muscle fiber type-specific responses to sprint interval and moderate-intensity continuous exercise: acute and training-induced changes. <i>Journal of Applied Physiology</i> , 2021, 130, 1001-1014. | 2.5 | 19 |
| 34 | Slight power output manipulations around the maximal lactate steady state have a similar impact on fatigue in females and males. <i>Journal of Applied Physiology</i> , 2021, 130, 1879-1892. | 2.5 | 18 |
| 35 | Short-term green tea extract supplementation attenuates the postprandial blood glucose and insulin response following exercise in overweight men. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016, 41, 1057-1063. | 1.9 | 17 |
| 36 | Individual Susceptibility to High Altitude and Immersion Pulmonary Edema and Pulmonary Lymphatics. <i>Aviation, Space, and Environmental Medicine</i> , 2014, 85, 9-14. | 0.5 | 16 |

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|----|---|-----|-----------|
| 37 | Interlimb differences in parameters of aerobic function and local profiles of deoxygenation during double-leg and counterweighted single-leg cycling. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 317, R840-R851. | 1.8 | 13 |
| 38 | Twelve weeks of sprint interval training increases peak cardiac output in previously untrained individuals. <i>European Journal of Applied Physiology</i> , 2021, 121, 2449-2458. | 2.5 | 13 |
| 39 | Exercising muscle mass influences neuromuscular, cardiorespiratory, and perceptual responses during and following ramp-incremental cycling to task failure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R238-R249. | 1.8 | 11 |
| 40 | The Lake Louise Score: A Critical Assessment of Its Specificity. <i>High Altitude Medicine and Biology</i> , 2020, 21, 237-242. | 0.9 | 10 |
| 41 | Prior exercise impairs subsequent performance in an intensity- and duration-dependent manner. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021, 46, 976-985. | 1.9 | 10 |
| 42 | Presleep Î±-Lactalbumin Consumption Does Not Improve Sleep Quality or Time-Trial Performance in Cyclists. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2020, 30, 197-202. | 2.1 | 10 |
| 43 | Twin Studies in Altitude and Hypoxia Research. <i>Aviation, Space, and Environmental Medicine</i> , 2013, 84, 613-619. | 0.5 | 9 |
| 44 | Is previous history a reliable predictor for acute mountain sickness susceptibility? A meta-analysis of diagnostic accuracy. <i>British Journal of Sports Medicine</i> , 2015, 49, 69-75. | 6.7 | 8 |
| 45 | Ultra-low-cost clinical pulse oximetry. , 2013, 2013, 2874-7. | | 6 |
| 46 | A Preliminary Genome-Wide Association Study of Acute Mountain Sickness Susceptibility in a Group of Nepalese Pilgrims Ascending to 4380â€‰m. <i>High Altitude Medicine and Biology</i> , 2015, 16, 290-297. | 0.9 | 6 |
| 47 | Green tea extract does not affect exogenous glucose appearance but reduces insulinemia with glucose ingestion in exercise recovery. <i>Journal of Applied Physiology</i> , 2016, 121, 1282-1289. | 2.5 | 6 |
| 48 | Cardiopulmonary Demand of 16-kg Kettlebell Snatches in Simulated Girevoy Sport. <i>Journal of Strength and Conditioning Research</i> , 2020, 34, 1625-1633. | 2.1 | 6 |
| 49 | Time course and fibre typeâ€œdependent nature of calciumâ€œhandling protein responses to sprint interval exercise in human skeletal muscle. <i>Journal of Physiology</i> , 2022, 600, 2897-2917. | 2.9 | 6 |
| 50 | Evaluation of the Balance Error Scoring System (BESS) in the Diagnosis of Acute Mountain Sickness at 4380â€‰m. <i>High Altitude Medicine and Biology</i> , 2012, 13, 93-97. | 0.9 | 5 |
| 51 | Acute Mountain Sickness Is Not Repeatable Across Two 12-Hour Normobaric Hypoxia Exposures. <i>Wilderness and Environmental Medicine</i> , 2014, 25, 143-151. | 0.9 | 5 |
| 52 | Pharmacogenetic Effects of Inhaled Salbutamol on 10-km Time Trial Performance in Competitive Male and Female Cyclists. <i>Clinical Journal of Sport Medicine</i> , 2016, 26, 145-151. | 1.8 | 5 |
| 53 | The Physiology of Paragliding Flight at Moderate and Extreme Altitudes. <i>High Altitude Medicine and Biology</i> , 2018, 19, 42-51. | 0.9 | 5 |
| 54 | Effect of short-term, high-intensity exercise training on human skeletal muscle citrate synthase maximal activity: single versus multiple bouts per session. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019, 44, 1391-1394. | 1.9 | 5 |

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|----|--|-----|-----------|
| 55 | Free Flight Physiology: Paragliding and the Study of Extreme Altitude. <i>High Altitude Medicine and Biology</i> , 2017, 18, 90-91. | 0.9 | 4 |
| 56 | A Meta-Analysis of Exhaled Nitric Oxide in Acute Normobaric Hypoxia. <i>Aerospace Medicine and Human Performance</i> , 2015, 86, 693-697. | 0.4 | 3 |
| 57 | Brief, Intense Intermittent Stair Climbing Is A Practical, Time-Efficient Method To Improve Cardiorespiratory Fitness. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 609. | 0.4 | 1 |
| 58 | Mitochondrial Adaptation To Training. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 747. | 0.4 | 1 |
| 59 | Between-Day Reliability of Commonly Used IMU Features during a Fatiguing Run and the Effect of Speed. <i>Sensors</i> , 2022, 22, 4129. | 3.8 | 1 |
| 60 | Rebuttal from Martin MacInnis, Lauren Skelly and Martin Gibala. <i>Journal of Physiology</i> , 2019, 597, 4119-4120. | 2.9 | 0 |
| 61 | Commentaries on Viewpoint: Musings on mentoring: teach your "children" well. <i>Journal of Applied Physiology</i> , 2022, 132, 311-312. | 2.5 | 0 |