Martin J Macinnis

List of Publications by Year
in descending order

61	2,507	279798	206112
papers	citations	23 h-index	48 g-index

62	62	62	3207
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Commentaries on Viewpoint: Musings on mentoring: teach your â€œchildrenâ€•well. Journal of Applied Physiology, 2022, 132, 311-312.	2.5	0
2	Time course and fibre typeâ€dependent nature of calciumâ€handling protein responses to sprint interval exercise in human skeletal muscle. Journal of Physiology, 2022, 600, 2897-2917.	2.9	6
3	Between-Day Reliability of Commonly Used IMU Features during a Fatiguing Run and the Effect of Speed. Sensors, 2022, 22, 4129.	3.8	1
4	Human skeletal muscle fiber type-specific responses to sprint interval and moderate-intensity continuous exercise: acute and training-induced changes. Journal of Applied Physiology, 2021, 130, 1001-1014.	2.5	19
5	Twelve weeks of sprint interval training increases peak cardiac output in previously untrained individuals. European Journal of Applied Physiology, 2021, 121, 2449-2458.	2.5	13
6	Slight power output manipulations around the maximal lactate steady state have a similar impact on fatigue in females and males. Journal of Applied Physiology, 2021, 130, 1879-1892.	2.5	18
7	Exercising muscle mass influences neuromuscular, cardiorespiratory, and perceptual responses during and following ramp-incremental cycling to task failure. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 321, R238-R249.	1.8	11
8	Prior exercise impairs subsequent performance in an intensity- and duration-dependent manner. Applied Physiology, Nutrition and Metabolism, 2021, 46, 976-985.	1.9	10
9	Cardiopulmonary Demand of 16-kg Kettlebell Snatches in Simulated Girevoy Sport. Journal of Strength and Conditioning Research, 2020, 34, 1625-1633.	2.1	6
10	Effects of the menstrual and oral contraceptive cycle phases on microvascular reperfusion. Experimental Physiology, 2020, 105, 184-191.	2.0	26
11	Menstrual and oral contraceptive cycle phases do not affect submaximal and maximal exercise responses. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 472-484.	2.9	60
12	Lactalbumin, Not Collagen, Augments Muscle Protein Synthesis with Aerobic Exercise. Medicine and Science in Sports and Exercise, 2020, 52, 1394-1403.	0.4	23
13	NIRS-derived skeletal muscle oxidative capacity is correlated with aerobic fitness and independent of sex. Journal of Applied Physiology, 2020, 129, 558-568.	2.5	29
14	The Lake Louise Score: A Critical Assessment of Its Specificity. High Altitude Medicine and Biology, 2020, 21, 237-242.	0.9	10
15	Presleep Î±-LactalbuminÂConsumption Does Not Improve Sleep Quality or Time-Trial Performance in Cyclists. International Journal of Sport Nutrition and Exercise Metabolism, 2020, 30, 197-202.	2.1	10
16	The Reliability of 4-Minute and 20-Minute Time Trials and Their Relationships to Functional Threshold Power in Trained Cyclists. International Journal of Sports Physiology and Performance, 2019, 14, 38-45.	2.3	30
17	Rebuttal from Martin MacInnis, Lauren Skelly and Martin Gibala. Journal of Physiology, 2019, 597, 4119-4120.	2.9	0
18	CrossTalk proposal: Exercise training intensity is more important than volume to promote increases in human skeletal muscle mitochondrial content. Journal of Physiology, 2019, 597, 4111-4113.	2.9	22

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19	Effect of short-term, high-intensity exercise training on human skeletal muscle citrate synthase maximal activity: single versus multiple bouts per session. Applied Physiology, Nutrition and Metabolism, 2019, 44, 1391-1394.	1.9	5
20	Interlimb differences in parameters of aerobic function and local profiles of deoxygenation during double-leg and counterweighted single-leg cycling. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 317, R840-R851.	1.8	13
21	A fast, reliable and sample-sparing method to identify fibre types of single muscle fibres. Scientific Reports, 2019, 9, 6473.	3.3	25
22	The Physiology of Paragliding Flight at Moderate and Extreme Altitudes. High Altitude Medicine and Biology, 2018, 19, 42-51.	0.9	5
23	Thromboelastometry and Platelet Function during Acclimatization to High Altitude. Thrombosis and Haemostasis, 2018, 118, 063-071.	3.4	30
24	The 2018 Lake Louise Acute Mountain Sickness Score. High Altitude Medicine and Biology, 2018, 19, 4-6.	0.9	324
25	Free Flight Physiology: Paragliding and the Study of Extreme Altitude. High Altitude Medicine and Biology, 2017, 18, 90-91.	0.9	4
26	Investigating human skeletal muscle physiology with unilateral exercise models: when one limb is more powerful than two. Applied Physiology, Nutrition and Metabolism, 2017, 42, 563-570.	1.9	61
27	Effect of sex on the acute skeletal muscle response to sprint interval exercise. Experimental Physiology, 2017, 102, 354-365.	2.0	31
28	Physiological responses to incremental, interval, and continuous counterweighted single-leg and double-leg cycling at the same relative intensities. European Journal of Applied Physiology, 2017, 117, 1423-1435.	2.5	21
29	Brief Intense Stair Climbing Improves Cardiorespiratory Fitness. Medicine and Science in Sports and Exercise, 2017, 49, 298-307.	0.4	72
30	Physiological adaptations to interval training and the role of exercise intensity. Journal of Physiology, 2017, 595, 2915-2930.	2.9	589
31	Superior mitochondrial adaptations in human skeletal muscle after interval compared to continuous singleâ€leg cycling matched for total work. Journal of Physiology, 2017, 595, 2955-2968.	2.9	148
32	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. PLoS ONE, 2016, 11, e0154075.	2.5	246
33	Evidence for and Against Genetic Predispositions to Acute and Chronic Altitude Illnesses. High Altitude Medicine and Biology, 2016, 17, 281-293.	0.9	25
34	Green tea extract does not affect exogenous glucose appearance but reduces insulinemia with glucose ingestion in exercise recovery. Journal of Applied Physiology, 2016, 121, 1282-1289.	2.5	6
35	Brief, Intense Intermittent Stair Climbing Is A Practical, Time-Efficient Method To Improve Cardiorespiratory Fitness. Medicine and Science in Sports and Exercise, 2016, 48, 609.	0.4	1
36	Short-term green tea extract supplementation attenuates the postprandial blood glucose and insulin response following exercise in overweight men. Applied Physiology, Nutrition and Metabolism, 2016, 41, 1057-1063.	1.9	17

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37	Factor Structure and Internal Validity of the Functional Movement Screen in Adults. Journal of Strength and Conditioning Research, 2016, 30, 540-546.	2.1	23
38	Pharmacogenetic Effects of Inhaled Salbutamol on 10-km Time Trial Performance in Competitive Male and Female Cyclists. Clinical Journal of Sport Medicine, 2016, 26, 145-151.	1.8	5
39	Mitochondrial Adaptation To Training. Medicine and Science in Sports and Exercise, 2016, 48, 747.	0.4	1
40	A Meta-Analysis of Exhaled Nitric Oxide in Acute Normobaric Hypoxia. Aerospace Medicine and Human Performance, 2015, 86, 693-697.	0.4	3
41	Î²-Alanine Supplementation Does Not Augment the Skeletal Muscle Adaptive Response to 6 Weeks of Sprint Interval Training. International Journal of Sport Nutrition and Exercise Metabolism, 2015, 25, 541-549.	2.1	20
42	Manipulating Carbohydrate Availability Between Twice-Daily Sessions of High-Intensity Interval Training Over 2 Weeks Improves Time-Trial Performance. International Journal of Sport Nutrition and Exercise Metabolism, 2015, 25, 463-470.	2.1	37
43	Acute Beetroot Juice Supplementation Does Not Improve Cycling Performance in Normoxia or Moderate Hypoxia. International Journal of Sport Nutrition and Exercise Metabolism, 2015, 25, 359-366.	2.1	47
44	Methods to Estimate VË™O2max upon Acute Hypoxia Exposure. Medicine and Science in Sports and Exercise, 2015, 47, 1869-1876.	0.4	23
45	Sodium bicarbonate ingestion augments the increase in PGC-1Î± mRNA expression during recovery from intense interval exercise in human skeletal muscle. Journal of Applied Physiology, 2015, 119, 1303-1312.	2.5	41
46	A Preliminary Genome-Wide Association Study of Acute Mountain Sickness Susceptibility in a Group of Nepalese Pilgrims Ascending to 4380â€‰m. High Altitude Medicine and Biology, 2015, 16, 290-297.	0.9	6
47	Is previous history a reliable predictor for acute mountain sickness susceptibility? A meta-analysis of diagnostic accuracy. British Journal of Sports Medicine, 2015, 49, 69-75.	6.7	8
48	Inhaled salbutamol does not affect athletic performance in asthmatic and non-asthmatic cyclists. British Journal of Sports Medicine, 2015, 49, 51-55.	6.7	25
49	Effects of inhaled bronchodilators on lung function and cycling performance in female athletes with and without exercise-induced bronchoconstriction. Journal of Science and Medicine in Sport, 2015, 18, 607-612.	1.3	19
50	Acute Mountain Sickness Is Not Repeatable Across Two 12-Hour Normobaric Hypoxia Exposures. Wilderness and Environmental Medicine, 2014, 25, 143-151.	0.9	5
51	Individual Susceptibility to High Altitude and Immersion Pulmonary Edema and Pulmonary Lymphatics. Aviation, Space, and Environmental Medicine, 2014, 85, 9-14.	0.5	16
52	Is Poor Sleep Quality at High Altitude Separate from Acute Mountain Sickness? Factor Structure and Internal Consistency of the Lake Louise Score Questionnaire. High Altitude Medicine and Biology, 2013, 14, 334-337.	0.9	37
53	Ultra-low-cost clinical pulse oximetry. , 2013, 2013, 2874-7.		6
54	Twin Studies in Altitude and Hypoxia Research. Aviation, Space, and Environmental Medicine, 2013, 84, 613-619.	0.5	9

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55	A Prospective Epidemiological Study of Acute Mountain Sickness in Nepalese Pilgrims Ascending to High Altitude (4380 m). PLoS ONE, 2013, 8, e75644.	2.5	38
56	Evaluation of the Balance Error Scoring System (BESS) in the Diagnosis of Acute Mountain Sickness at 4380â€‰m. High Altitude Medicine and Biology, 2012, 13, 93-97.	0.9	5
57	Comments on Point:Counterpoint: Hypobaric hypoxia induces/does not induce different responses from normobaric hypoxia. Journal of Applied Physiology, 2012, 112, 1788-1794.	2.5	34
58	The Genetics of Altitude Tolerance. Journal of Occupational and Environmental Medicine, 2011, 53, 159-168.	1.7	25
59	â€™ome on the Range: Altitude Adaptation, Positive Selection, and Himalayan Genomics. High Altitude Medicine and Biology, 2011, 12, 133-139.	0.9	24
60	Evidence for a Genetic Basis for Altitude Illness: 2010 Update. High Altitude Medicine and Biology, 2010, 11, 349-368.	0.9	67
61	Sessile snails, dynamic genomes: gene rearrangements within the mitochondrial genome of a family of caenogastropod molluscs. BMC Genomics, 2010, 11, 440.	2.8	64