Martin J Macinnis

List of Publications by Year in Descending Order

58 papers	1,603 citations	19 h-index	39 g-index
62 ext. papers	2,061 ext. citations	3.1 avg, IF	5.28 L-index

#	Paper	IF	Citations
58	Commentaries on Viewpoint: Musings on mentoring: teach your "children" well.. *Journal of Applied Physiology*, **2022**, 132, 311-312	3.7	
57	Between-Day Reliability of Commonly Used IMU Features during a Fatiguing Run and the Effect of Speed. *Sensors*, **2022**, 22, 4129	3.8	
56	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	3.7	5
55	Twelve weeks of sprint interval training increases peak cardiac output in previously untrained individuals. *European Journal of Applied Physiology*, **2021**, 121, 2449-2458	3.4	1
54	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	3.7	3
53	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	3.2	1
52	Prior exercise impairs subsequent performance in an intensity- and duration-dependent manner. *Applied Physiology, Nutrition and Metabolism*, **2021**, 46, 976-985	3	4
51	The Lake Louise Score: A Critical Assessment of Its Specificity. *High Altitude Medicine and Biology*, **2020**, 21, 237-242	1.9	3
50	Presleep Lactalbumin Consumption Does Not Improve Sleep Quality or Time-Trial Performance in Cyclists. *International Journal of Sport Nutrition and Exercise Metabolism*, **2020**, 30, 197-202	4.4	4
49	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	4.6	30
48	Lactalbumin, Not Collagen, Augments Muscle Protein Synthesis with Aerobic Exercise. *Medicine and Science in Sports and Exercise*, **2020**, 52, 1394-1403	1.2	13
47	NIRS-derived skeletal muscle oxidative capacity is correlated with aerobic fitness and independent of sex. *Journal of Applied Physiology*, **2020**, 129, 558-568	3.7	9
46	Cardiopulmonary Demand of 16-kg Kettlebell Snatches in Simulated Girevoy Sport. *Journal of Strength and Conditioning Research*, **2020**, 34, 1625-1633	3.2	6
45	Effects of the menstrual and oral contraceptive cycle phases on microvascular reperfusion. *Experimental Physiology*, **2020**, 105, 184-191	2.4	14
44	A fast, reliable and sample-sparing method to identify fibre types of single muscle fibres. *Scientific Reports*, **2019**, 9, 6473	4.9	12
43	Rebuttal from Martin MacInnis, Lauren Skelly and Martin Gibala. *Journal of Physiology*, **2019**, 597, 4119-4120	3.9	
42	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	3.9	11

41	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	3	0
40	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	3.2	7
39	The Physiology of Paragliding Flight at Moderate and Extreme Altitudes. *High Altitude Medicine and Biology*, **2018**, 19, 42-51	1.9	3
38	Thromboelastometry and Platelet Function during Acclimatization to High Altitude. *Thrombosis and Haemostasis*, **2018**, 118, 63-71	7	20
37	The 2018 Lake Louise Acute Mountain Sickness Score. *High Altitude Medicine and Biology*, **2018**, 19, 4-6	1.9	171
36	The Reliability of 4-min and 20-min Time Trials and Their Relationships to Functional Threshold Power in Trained Cyclists. *International Journal of Sports Physiology and Performance*, **2018**, 1-27	3.5	19
35	Free Flight Physiology: Paragliding and the Study of Extreme Altitude. *High Altitude Medicine and Biology*, **2017**, 18, 90-91	1.9	4
34	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	3	41
33	Effect of sex on the acute skeletal muscle response to sprint interval exercise. *Experimental Physiology*, **2017**, 102, 354-365	2.4	19
32	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	3.4	17
31	Brief Intense Stair Climbing Improves Cardiorespiratory Fitness. *Medicine and Science in Sports and Exercise*, **2017**, 49, 298-307	1.2	43
30	Physiological adaptations to interval training and the role of exercise intensity. *Journal of Physiology*, **2017**, 595, 2915-2930	3.9	342
29	Superior mitochondrial adaptations in human skeletal muscle after interval compared to continuous single-leg cycling matched for total work. *Journal of Physiology*, **2017**, 595, 2955-2968	3.9	105
28	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	3.7	3
27	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	3	14
26	Factor Structure and Internal Validity of the Functional Movement Screen in Adults. *Journal of Strength and Conditioning Research*, **2016**, 30, 540-6	3.2	15
25	Pharmacogenetic Effects of Inhaled Salbutamol on 10-km Time Trial Performance in Competitive Male and Female Cyclists. *Clinical Journal of Sport Medicine*, **2016**, 26, 145-51	3.2	3
24	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	3.7	177

23	Evidence for and Against Genetic Predispositions to Acute and Chronic Altitude Illnesses. *High Altitude Medicine and Biology*, **2016**, 17, 281-293	1.9	17
22	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	10.3	7
21	Inhaled salbutamol does not affect athletic performance in asthmatic and non-asthmatic cyclists. *British Journal of Sports Medicine*, **2015**, 49, 51-5	10.3	19
20	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, 607-12	4.4	15
19	A Meta-Analysis of Exhaled Nitric Oxide in Acute Normobaric Hypoxia. *Aerospace Medicine and Human Performance*, **2015**, 86, 693-7	1.1	1
18	-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, 541-9	4.4	17
17	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, 463-70	4.4	33
16	Acute Beetroot Juice Supplementation Does Not Improve Cycling Performance in Normoxia or Moderate Hypoxia. *International Journal of Sport Nutrition and Exercise Metabolism*, **2015**, 25, 359-66	4.4	42
15	Methods to Estimate V̇O2max upon Acute Hypoxia Exposure. *Medicine and Science in Sports and Exercise*, **2015**, 47, 1869-76	1.2	15
14	Sodium bicarbonate ingestion augments the increase in PGC-1 mRNA expression during recovery from intense interval exercise in human skeletal muscle. *Journal of Applied Physiology*, **2015**, 119, 1303-12	3.7	30
13	A Preliminary Genome-Wide Association Study of Acute Mountain Sickness Susceptibility in a Group of Nepalese Pilgrims Ascending to 4380 m. *High Altitude Medicine and Biology*, **2015**, 16, 290-7	1.9	4
12	Acute mountain sickness is not repeatable across two 12-hour normobaric hypoxia exposures. *Wilderness and Environmental Medicine*, **2014**, 25, 143-51	1.4	5
11	Individual susceptibility to high altitude and immersion pulmonary edema and pulmonary lymphatics. *Aviation, Space, and Environmental Medicine*, **2014**, 85, 9-14		12
10	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, 334-7	1.9	32
9	Ultra-low-cost clinical pulse oximetry. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2013**, 2013, 2874-7	0.9	6
8	Twin studies in altitude and hypoxia research. *Aviation, Space, and Environmental Medicine*, **2013**, 84, 613-9		8
7	A prospective epidemiological study of acute mountain sickness in Nepalese pilgrims ascending to high altitude (4380 m). *PLoS ONE*, **2013**, 8, e75644	3.7	27
6	Comments on Point:Counterpoint: Hypobaric hypoxia induces/does not induce different responses from normobaric hypoxia. *Journal of Applied Physiology*, **2012**, 112, 1788-94	3.7	29

5	Evaluation of the Balance Error Scoring System (BESS) in the diagnosis of acute mountain sickness at 4380 m. *High Altitude Medicine and Biology*, **2012**, 13, 93-7	1.9	5
4	The genetics of altitude tolerance: the evidence for inherited susceptibility to acute mountain sickness. *Journal of Occupational and Environmental Medicine*, **2011**, 53, 159-68	2	18
3	Rome on the Range: altitude adaptation, positive selection, and Himalayan genomics. *High Altitude Medicine and Biology*, **2011**, 12, 133-9	1.9	22
2	Evidence for a genetic basis for altitude illness: 2010 update. *High Altitude Medicine and Biology*, **2010**, 11, 349-68	1.9	64
1	Sessile snails, dynamic genomes: gene rearrangements within the mitochondrial genome of a family of caenogastropod molluscs. *BMC Genomics*, **2010**, 11, 440	4.5	52