

# Martin J Macinnis

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Physiological adaptations to interval training and the role of exercise intensity. <i>Journal of Physiology</i> , <b>2017</b> , 595, 2915-2930	3.9	342
57	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> , <b>2016</b> , 11, e0154075	3.7	177
56	The 2018 Lake Louise Acute Mountain Sickness Score. <i>High Altitude Medicine and Biology</i> , <b>2018</b> , 19, 4-6	1.9	171
55	Superior mitochondrial adaptations in human skeletal muscle after interval compared to continuous single-leg cycling matched for total work. <i>Journal of Physiology</i> , <b>2017</b> , 595, 2955-2968	3.9	105
54	Evidence for a genetic basis for altitude illness: 2010 update. <i>High Altitude Medicine and Biology</i> , <b>2010</b> , 11, 349-68	1.9	64
53	Sessile snails, dynamic genomes: gene rearrangements within the mitochondrial genome of a family of caenogastropod molluscs. <i>BMC Genomics</i> , <b>2010</b> , 11, 440	4.5	52
52	Brief Intense Stair Climbing Improves Cardiorespiratory Fitness. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 298-307	1.2	43
51	Acute Beetroot Juice Supplementation Does Not Improve Cycling Performance in Normoxia or Moderate Hypoxia. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , <b>2015</b> , 25, 359-66	4.4	42
50	Investigating human skeletal muscle physiology with unilateral exercise models: when one limb is more powerful than two. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2017</b> , 42, 563-570	3	41
49	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> , <b>2015</b> , 25, 463-70	4.4	33
48	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> , <b>2013</b> , 14, 334-7	1.9	32
47	Sodium bicarbonate ingestion augments the increase in PGC-1 $\alpha$ mRNA expression during recovery from intense interval exercise in human skeletal muscle. <i>Journal of Applied Physiology</i> , <b>2015</b> , 119, 1303-1312	3.7	30
46	Menstrual and oral contraceptive cycle phases do not affect submaximal and maximal exercise responses. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2020</b> , 30, 472-484	4.6	30
45	Comments on Point:Counterpoint: Hypobaric hypoxia induces/does not induce different responses from normobaric hypoxia. <i>Journal of Applied Physiology</i> , <b>2012</b> , 112, 1788-94	3.7	29
44	A prospective epidemiological study of acute mountain sickness in Nepalese pilgrims ascending to high altitude (4380 m). <i>PLoS ONE</i> , <b>2013</b> , 8, e75644	3.7	27
43	Home on the Range: altitude adaptation, positive selection, and Himalayan genomics. <i>High Altitude Medicine and Biology</i> , <b>2011</b> , 12, 133-9	1.9	22
42	Thromboelastometry and Platelet Function during Acclimatization to High Altitude. <i>Thrombosis and Haemostasis</i> , <b>2018</b> , 118, 63-71	7	20

41	Effect of sex on the acute skeletal muscle response to sprint interval exercise. <i>Experimental Physiology</i> , <b>2017</b> , 102, 354-365	2.4	19
40	Inhaled salbutamol does not affect athletic performance in asthmatic and non-asthmatic cyclists. <i>British Journal of Sports Medicine</i> , <b>2015</b> , 49, 51-5	10.3	19
39	The Reliability of 4-min and 20-min Time Trials and Their Relationships to Functional Threshold Power in Trained Cyclists. <i>International Journal of Sports Physiology and Performance</i> , <b>2018</b> , 1-27	3.5	19
38	The genetics of altitude tolerance: the evidence for inherited susceptibility to acute mountain sickness. <i>Journal of Occupational and Environmental Medicine</i> , <b>2011</b> , 53, 159-68	2	18
37	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> , <b>2017</b> , 117, 1423-1435	3.4	17
36	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> , <b>2015</b> , 25, 541-9	4.4	17
35	Evidence for and Against Genetic Predispositions to Acute and Chronic Altitude Illnesses. <i>High Altitude Medicine and Biology</i> , <b>2016</b> , 17, 281-293	1.9	17
34	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> , <b>2015</b> , 18, 607-12	4.4	15
33	Factor Structure and Internal Validity of the Functional Movement Screen in Adults. <i>Journal of Strength and Conditioning Research</i> , <b>2016</b> , 30, 540-6	3.2	15
32	Methods to Estimate $\dot{V}O_{2max}$ upon Acute Hypoxia Exposure. <i>Medicine and Science in Sports and Exercise</i> , <b>2015</b> , 47, 1869-76	1.2	15
31	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> , <b>2016</b> , 41, 1057-1063	3	14
30	Effects of the menstrual and oral contraceptive cycle phases on microvascular reperfusion. <i>Experimental Physiology</i> , <b>2020</b> , 105, 184-191	2.4	14
29	Lactalbumin, Not Collagen, Augments Muscle Protein Synthesis with Aerobic Exercise. <i>Medicine and Science in Sports and Exercise</i> , <b>2020</b> , 52, 1394-1403	1.2	13
28	A fast, reliable and sample-sparing method to identify fibre types of single muscle fibres. <i>Scientific Reports</i> , <b>2019</b> , 9, 6473	4.9	12
27	Individual susceptibility to high altitude and immersion pulmonary edema and pulmonary lymphatics. <i>Aviation, Space, and Environmental Medicine</i> , <b>2014</b> , 85, 9-14		12
26	CrossTalk proposal: Exercise training intensity is more important than volume to promote increases in human skeletal muscle mitochondrial content. <i>Journal of Physiology</i> , <b>2019</b> , 597, 4111-4113	3.9	11
25	NIRS-derived skeletal muscle oxidative capacity is correlated with aerobic fitness and independent of sex. <i>Journal of Applied Physiology</i> , <b>2020</b> , 129, 558-568	3.7	9
24	Twin studies in altitude and hypoxia research. <i>Aviation, Space, and Environmental Medicine</i> , <b>2013</b> , 84, 613-9		8

23	Is previous history a reliable predictor for acute mountain sickness susceptibility? A meta-analysis of diagnostic accuracy. <i>British Journal of Sports Medicine</i> , <b>2015</b> , 49, 69-75	10.3	7
22	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> , <b>2019</b> , 317, R840-R851	3.2	7
21	Ultra-low-cost clinical pulse oximetry. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2013</b> , 2013, 2874-7	0.9	6
20	Cardiopulmonary Demand of 16-kg Kettlebell Snatches in Simulated Girevoy Sport. <i>Journal of Strength and Conditioning Research</i> , <b>2020</b> , 34, 1625-1633	3.2	6
19	Acute mountain sickness is not repeatable across two 12-hour normobaric hypoxia exposures. <i>Wilderness and Environmental Medicine</i> , <b>2014</b> , 25, 143-51	1.4	5
18	Evaluation of the Balance Error Scoring System (BESS) in the diagnosis of acute mountain sickness at 4380 m. <i>High Altitude Medicine and Biology</i> , <b>2012</b> , 13, 93-7	1.9	5
17	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> , <b>2021</b> , 130, 1001-1014	3.7	5
16	Free Flight Physiology: Paragliding and the Study of Extreme Altitude. <i>High Altitude Medicine and Biology</i> , <b>2017</b> , 18, 90-91	1.9	4
15	A Preliminary Genome-Wide Association Study of Acute Mountain Sickness Susceptibility in a Group of Nepalese Pilgrims Ascending to 4380 m. <i>High Altitude Medicine and Biology</i> , <b>2015</b> , 16, 290-7	1.9	4
14	Presleep $\beta$ -lactalbumin consumption Does Not Improve Sleep Quality or Time-Trial Performance in Cyclists. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , <b>2020</b> , 30, 197-202	4.4	4
13	Prior exercise impairs subsequent performance in an intensity- and duration-dependent manner. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2021</b> , 46, 976-985	3	4
12	The Lake Louise Score: A Critical Assessment of Its Specificity. <i>High Altitude Medicine and Biology</i> , <b>2020</b> , 21, 237-242	1.9	3
11	The Physiology of Paragliding Flight at Moderate and Extreme Altitudes. <i>High Altitude Medicine and Biology</i> , <b>2018</b> , 19, 42-51	1.9	3
10	Green tea extract does not affect exogenous glucose appearance but reduces insulinemia with glucose ingestion in exercise recovery. <i>Journal of Applied Physiology</i> , <b>2016</b> , 121, 1282-1289	3.7	3
9	Pharmacogenetic Effects of Inhaled Salbutamol on 10-km Time Trial Performance in Competitive Male and Female Cyclists. <i>Clinical Journal of Sport Medicine</i> , <b>2016</b> , 26, 145-51	3.2	3
8	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> , <b>2021</b> , 130, 1879-1892	3.7	3
7	A Meta-Analysis of Exhaled Nitric Oxide in Acute Normobaric Hypoxia. <i>Aerospace Medicine and Human Performance</i> , <b>2015</b> , 86, 693-7	1.1	1
6	Twelve weeks of sprint interval training increases peak cardiac output in previously untrained individuals. <i>European Journal of Applied Physiology</i> , <b>2021</b> , 121, 2449-2458	3.4	1

5	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> , <b>2021</b> , 321, R238-R249	3.2	1
4	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> , <b>2019</b> , 44, 1391-1394	3	0
3	Rebuttal from Martin MacInnis, Lauren Skelly and Martin Gibala. <i>Journal of Physiology</i> , <b>2019</b> , 597, 4119-4120	3.7	0
2	Commentaries on Viewpoint: Musings on mentoring: teach your "children" well.. <i>Journal of Applied Physiology</i> , <b>2022</b> , 132, 311-312	3.7	0
1	Between-Day Reliability of Commonly Used IMU Features during a Fatiguing Run and the Effect of Speed. <i>Sensors</i> , <b>2022</b> , 22, 4129	3.8	0