

Gerald Stanley Zavorsky

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.

103 papers	2,843 citations	23 h-index	51 g-index
118 ext. papers	3,284 ext. citations	3.8 avg, IF	5.28 L-index

#	Paper	IF	Citations
103	Randomized clinical trial of prehabilitation in colorectal surgery. <i>British Journal of Surgery</i> , 2010 , 97, 1187-97	5.3	309
102	The role of the anesthesiologist in fast-track surgery: from multimodal analgesia to perioperative medical care. <i>Anesthesia and Analgesia</i> , 2007 , 104, 1380-96, table of contents	3.9	298
101	Impact of preoperative change in physical function on postoperative recovery: argument supporting prehabilitation for colorectal surgery. <i>Surgery</i> , 2011 , 150, 505-14	3.6	293
100	Optimizing functional exercise capacity in the elderly surgical population. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2005 , 8, 23-32	3.8	233
99	Arterial versus capillary blood gases: a meta-analysis. <i>Respiratory Physiology and Neurobiology</i> , 2007 , 155, 268-79	2.8	139
98	Evidence and possible mechanisms of altered maximum heart rate with endurance training and tapering. <i>Sports Medicine</i> , 2000 , 29, 13-26	10.6	90
97	Pulmonary gas exchange in the morbidly obese. <i>Obesity Reviews</i> , 2008 , 9, 326-39	10.6	80
96	Responsive measures to prehabilitation in patients undergoing bowel resection surgery. <i>Tohoku Journal of Experimental Medicine</i> , 2009 , 217, 109-15	2.4	77
95	Exercise guidelines in pregnancy: new perspectives. <i>Sports Medicine</i> , 2011 , 41, 345-60	10.6	74
94	Standardisation and application of the single-breath determination of nitric oxide uptake in the lung. <i>European Respiratory Journal</i> , 2017 , 49,	13.6	68
93	The association of the distance walked in 6 min with pre-operative peak oxygen consumption and complications 1 month after colorectal resection. <i>Anaesthesia</i> , 2013 , 68, 811-6	6.6	62
92	The relationship between single-breath diffusion capacity of the lung for nitric oxide and carbon monoxide during various exercise intensities. <i>Chest</i> , 2004 , 125, 1019-27	5.3	58
91	The effect of l-citrulline and watermelon juice supplementation on anaerobic and aerobic exercise performance. <i>Journal of Sports Sciences</i> , 2015 , 33, 1459-66	3.6	52
90	Reference values of pulmonary diffusing capacity for nitric oxide in an adult population. <i>Nitric Oxide - Biology and Chemistry</i> , 2008 , 18, 70-9	5	50
89	Waist-to-hip ratio is associated with pulmonary gas exchange in the morbidly obese. <i>Chest</i> , 2007 , 131, 362-7	5.3	49
88	An open-label dose-response study of lymphocyte glutathione levels in healthy men and women receiving pressurized whey protein isolate supplements. <i>International Journal of Food Sciences and Nutrition</i> , 2007 , 58, 429-36	3.7	33
87	A small amount of inhaled nitric oxide does not increase lung diffusing capacity. <i>European Respiratory Journal</i> , 2006 , 27, 1251-7	13.6	33

86	Alveolar-membrane diffusing capacity improves in the morbidly obese after bariatric surgery. <i>Obesity Surgery</i> , 2008 , 18, 256-63	3.7	30
85	Adding strength training, exercise intensity, and caloric expenditure to exercise guidelines in pregnancy. <i>Obstetrics and Gynecology</i> , 2011 , 117, 1399-1402	4.9	27
84	Laboratory 20-km cycle time trial reproducibility. <i>International Journal of Sports Medicine</i> , 2007 , 28, 743-8.6	3.6	27
83	Evidence of pulmonary oedema triggered by exercise in healthy humans and detected with various imaging techniques. <i>Acta Physiologica</i> , 2007 , 189, 305-17	5.6	26
82	Ramp-incremented and RPE-clamped test protocols elicit similar VO2max values in trained cyclists. <i>European Journal of Applied Physiology</i> , 2014 , 114, 1581-90	3.4	24
81	Radiographic evidence of pulmonary edema during high-intensity interval training in women. <i>Respiratory Physiology and Neurobiology</i> , 2006 , 153, 181-90	2.8	23
80	Comparison of fingertip to arterial blood samples at rest and during exercise. <i>Clinical Journal of Sport Medicine</i> , 2005 , 15, 263-70	3.2	23
79	The Effects of Pre-Exercise Ginger Supplementation on Muscle Damage and Delayed Onset Muscle Soreness. <i>Phytotherapy Research</i> , 2015 , 29, 887-93	6.7	22
78	The measurement of carboxyhemoglobin and methemoglobin using a non-invasive pulse CO-oximeter. <i>Respiratory Physiology and Neurobiology</i> , 2012 , 182, 88-92	2.8	22
77	Lung diffusion capacity for nitric oxide and carbon monoxide is impaired similarly following short-term graded exercise. <i>Nitric Oxide - Biology and Chemistry</i> , 2005 , 12, 31-8	5	22
76	Declines in marathon performance: Sex differences in elite and recreational athletes. <i>PLoS ONE</i> , 2017 , 12, e0172121	3.7	21
75	The rise in carboxyhemoglobin from repeated pulmonary diffusing capacity tests. <i>Respiratory Physiology and Neurobiology</i> , 2013 , 186, 103-8	2.8	21
74	Lack of effectiveness of sodium bicarbonate in preventing kidney injury in patients undergoing cardiac surgery: a randomized controlled trial. <i>Pharmacotherapy</i> , 2013 , 33, 710-7	5.8	21
73	Red cell pulmonary transit times through the healthy human lung. <i>Experimental Physiology</i> , 2003 , 88, 191-200	2.4	20
72	Controlled-frequency breath swimming improves swimming performance and running economy. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015 , 25, 16-24	4.6	19
71	Short-term variability of nitric oxide diffusing capacity and its components. <i>Respiratory Physiology and Neurobiology</i> , 2007 , 157, 316-25	2.8	19
70	Increased carbon monoxide clearance during exercise in humans. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, 2118-24	1.2	18
69	Preoperative gender differences in pulmonary gas exchange in morbidly obese subjects. <i>Obesity Surgery</i> , 2008 , 18, 1587-98	3.7	18

68	Small changes in lung function in runners with marathon-induced interstitial lung edema. <i>Physiological Reports</i> , 2014 , 2, e12056	2.6	17
67	Poor compensatory hyperventilation in morbidly obese women at peak exercise. <i>Respiratory Physiology and Neurobiology</i> , 2007 , 159, 187-95	2.8	16
66	Acute effects of intense interval training on running mechanics. <i>Journal of Sports Sciences</i> , 2000 , 18, 83-90	3.0	16
65	Interstitial lung edema triggered by marathon running. <i>Respiratory Physiology and Neurobiology</i> , 2014 , 190, 137-41	2.8	15
64	Pulmonary diffusion and aerobic capacity: is there a relation? Does obesity matter?. <i>Acta Physiologica</i> , 2010 , 198, 499-507	5.6	15
63	Compensatory exercise hyperventilation is restored in the morbidly obese after bariatric surgery. <i>Obesity Surgery</i> , 2008 , 18, 549-59	3.7	15
62	Rates of carbon monoxide elimination in males and females. <i>Physiological Reports</i> , 2014 , 2, e12237	2.6	14
61	Effect of intense interval workouts on running economy using three recovery durations. <i>European Journal of Applied Physiology</i> , 1998 , 77, 224-30	3.4	14
60	Can the measurement of pulmonary diffusing capacity for nitric oxide replace the measurement of pulmonary diffusing capacity for carbon monoxide?. <i>Respiratory Physiology and Neurobiology</i> , 2017 , 241, 9-16	2.8	13
59	No red cell resistance to NO? I think not!. <i>Journal of Applied Physiology</i> , 2010 , 108, 1027-9	3.7	13
58	Systemic acid load from the diet affects maximal-exercise RER. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, 709-15	1.2	13
57	Team Logo Predicts Concussion Risk: Lessons in Protecting a Vulnerable Sports Community from Misconceived, but Highly Publicized Epidemiologic Research. <i>Epidemiology</i> , 2017 , 28, 753-757	3.1	12
56	The effect of passive versus active recovery on power output over six repeated wingate sprints. <i>Research Quarterly for Exercise and Sport</i> , 2014 , 85, 519-26	1.9	12
55	Pulmonary diffusing capacity for nitric oxide during exercise in morbid obesity. <i>Obesity</i> , 2008 , 16, 2431-88	3.8	12
54	Pulmonary gas exchange does not worsen during repeat exercise in women. <i>Respiratory Physiology and Neurobiology</i> , 2006 , 153, 226-36	2.8	12
53	Association between Concussions and Suicidal Behaviors in Adolescents. <i>Journal of Neurotrauma</i> , 2020 , 37, 1401-1407	5.4	12
52	Cardiopulmonary aspects of obesity in women. <i>Obstetrics and Gynecology Clinics of North America</i> , 2009 , 36, 267-84, viii	3.3	11
51	Acute hypervolemia lengthens red cell pulmonary transit time during exercise in endurance athletes. <i>Respiratory Physiology and Neurobiology</i> , 2002 , 131, 255-68	2.8	11

50	Combined effects of mild-to-moderate obesity and asthma on physiological and sensory responses to exercise. <i>Respiratory Medicine</i> , 2015 , 109, 1397-403	4.6	10
49	CO and NO pulmonary diffusing capacity during pregnancy: Safety and diagnostic potential. <i>Respiratory Physiology and Neurobiology</i> , 2010 , 170, 215-25	2.8	10
48	Alveolar-membrane diffusing capacity limits performance in Boston marathon qualifiers. <i>PLoS ONE</i> , 2012 , 7, e44513	3.7	10
47	The association between cardiorespiratory fitness and pulmonary diffusing capacity. <i>Respiratory Physiology and Neurobiology</i> , 2017 , 241, 28-35	2.8	9
46	Corrected end-tidal P(CO(2)) accurately estimates Pa(CO(2)) at rest and during exercise in morbidly obese adults. <i>Chest</i> , 2013 , 143, 471-477	5.3	9
45	Division I College Football Concussion Rates Are Higher at Higher Altitudes. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2016 , 46, 96-103	4.2	9
44	Sex, girth, waists and hips (what matters for gas exchange in extreme obesity?). <i>Respiratory Physiology and Neurobiology</i> , 2010 , 170, 120-2	2.8	8
43	Risk of Concussion for Athletes in Contact Sports at Higher Altitude vs at Sea Level: A Meta-analysis. <i>JAMA Neurology</i> , 2016 , 73, 1369-1370	17.2	8
42	Controlled Frequency Breathing Reduces Inspiratory Muscle Fatigue. <i>Journal of Strength and Conditioning Research</i> , 2017 , 31, 1273-1281	3.2	7
41	The effect of increased physical activity on pulmonary diffusing capacity in unfit women. <i>Experimental Physiology</i> , 2014 , 99, 562-70	2.4	7
40	The Effect of Protandim [®] Supplementation on Athletic Performance and Oxidative Blood Markers in Runners. <i>PLoS ONE</i> , 2016 , 11, e0160559	3.7	7
39	Hydration assessment among marathoners using urine specific gravity and bioelectrical impedance analysis. <i>Research in Sports Medicine</i> , 2016 , 24, 234-42	3.8	7
38	Acute Reduction in Spirometry Values After Prolonged Exercise Among Recreational Runners. <i>Respiratory Care</i> , 2019 , 64, 26-33	2.1	6
37	Understanding the Determinants of Weight-Related Quality of Life among Bariatric Surgery Candidates. <i>Journal of Obesity</i> , 2012 , 2012, 713426	3.7	6
36	Acute hypervolaemia improves arterial oxygen pressure in athletes with exercise-induced hypoxaemia. <i>Experimental Physiology</i> , 2003 , 88, 555-64	2.4	6
35	Confusion in reporting pulmonary diffusing capacity for nitric oxide and the alveolar-capillary membrane conductance for nitric oxide. <i>European Journal of Preventive Cardiology</i> , 2015 , 22, 312-3	3.9	5
34	Faces and fitness: attractive evolutionary relationship or ugly hypothesis?. <i>Biology Letters</i> , 2015 , 11,	3.6	5
33	Altitude does not reduce concussion incidence in professional football players: a poor understanding of health statistics and altitude physiology. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2014 , 44, 458-9	4.2	5

32	Commentaries on viewpoint: sacrificing economy to improve running performance--a reality in the ultramarathon?. <i>Journal of Applied Physiology</i> , 2012 , 113, 510-2	3.7	5
31	Dynamic vs. fixed bag filling: impact on cardiac output rebreathing protocol. <i>Respiratory Physiology and Neurobiology</i> , 2010 , 171, 22-30	2.8	5
30	Potassium kinetics and its relationship with ventilation during repeated bouts of exercise in women. <i>European Journal of Applied Physiology</i> , 2007 , 99, 173-81	3.4	4
29	Correct Data and Meta-analytic Approaches Show the Reduced Risk of Concussion for Athletes Playing at Higher Altitudes-Reply. <i>JAMA Neurology</i> , 2017 , 74, 485-486	17.2	3
28	Viewpoint: Are there valid concerns for completing a marathon at 39 weeks of pregnancy?. <i>Journal of Applied Physiology</i> , 2012 , 113, 1162-5	3.7	3
27	Mild interstitial pulmonary edema occurs during sea level strenuous exercise. <i>Journal of Applied Physiology</i> , 2010 , 109, 1276; discussion 1281-2	3.7	3
26	Exercise capacity of children with pediatric lung disease. <i>Clinical and Investigative Medicine</i> , 2009 , 32, E302	0.9	3
25	Exercise physiology and sports science must be considered in evolutionary theories regarding human performance: a reply to Postma (2016). <i>Biology Letters</i> , 2016 , 12,	3.6	3
24	Stability of Whole Blood Lactate Specimens at Room Temperature Versus Slushed Ice Conditions. <i>Respiratory Care</i> , 2021 , 66, 494-500	2.1	3
23	Sexual Activity the Night Before Exercise Does Not Affect Various Measures of Physical Exercise Performance. <i>Sexual Medicine</i> , 2019 , 7, 235-240	2.7	2
22	ALTITUDE (IF YOU CAN CALL IT THAT) HAS NO BEARING ON THE RATES OF CONCUSSIONS IN ATHLETES. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2016 , 46, 226-7	4.2	2
21	Altitude Does Not Reduce Concussion Incidence: Letter to the Editor. <i>Orthopaedic Journal of Sports Medicine</i> , 2014 , 2, 2325967114527234	3.5	2
20	Effects of exercise training intensity on pancreatic {beta}-cell function: response to Slentz et al. <i>Diabetes Care</i> , 2010 , 33, e45	14.6	2
19	Circulating white blood cells affect red cell pulmonary transit times in endurance athletes during intense exercise. <i>Medicine and Science in Sports and Exercise</i> , 2002 , 34, 954-9	1.2	2
18	Waterpipe Smoking in Health-Care Students: Prevalence, Knowledge, Attitudes, and Motives. <i>Respiratory Care</i> , 2019 , 64, 321-327	2.1	2
17	Variability in pulmonary diffusing capacity in heart failure. <i>Respiratory Physiology and Neurobiology</i> , 2020 , 280, 103473	2.8	1
16	Last Word on Viewpoint: All is fair in altitude and concussions. <i>Journal of Applied Physiology</i> , 2017 , 122, 221	3.7	1
15	Accuracy of venous blood oxygen pressure depends on arterial blood oxygen pressure. <i>European Respiratory Journal</i> , 2009 , 34, 1207-8; author reply 1208	13.6	1

14	Plasma volume expansion does not influence oxygen uptake kinetics in trained cyclists. <i>Journal of Applied Physiology</i> , 2007 , 102, 828; author reply 829	3.7	1
13	Diffusion Capacity for Nitric Oxide and Carbon Monoxide. <i>Chest</i> , 2004 , 126, 1709-1710	5.3	1
12	Prior intense exercise reduces arterial carbon dioxide pressure in extreme obesity. <i>Clinical and Investigative Medicine</i> , 2010 , 33, E321-34	0.9	1
11	Incorrect Terminology Confuses Article's Purpose and Usefulness. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 1315	1.2	1
10	The need for race-specific reference equations for pulmonary diffusing capacity for nitric oxide. <i>BMC Pulmonary Medicine</i> , 2021 , 21, 232	3.5	1
9	Effects of sexual activity on several measures of physical performance in young adult males. <i>Journal of Sports Medicine and Physical Fitness</i> , 2019 , 59, 1102-1109	1.4	1
8	Comment on Olivier Galy et al, "aggravation of pulmonary diffusing capacity in highly trained athletes by 6 weeks of low-volume, low-intensity training". <i>International Journal of Sports Physiology and Performance</i> , 2014 , 9, 742	3.5	
7	Last Word on Viewpoint: Are there valid concerns for completing a marathon at 39 weeks of pregnancy?. <i>Journal of Applied Physiology</i> , 2012 , 113, 1167	3.7	
6	Comparing Measurement Error Between Two Different Methods of Measurement of Various Magnitudes. <i>Measurement in Physical Education and Exercise Science</i> , 2010 , 14, 265-274	1.9	
5	Weight is a questionable predictor of alveolar membrane diffusing capacity and pulmonary capillary blood volume even in moderately obese subjects. <i>Respiration</i> , 2011 , 81, 262	3.7	
4	Exercise Recommendations in Women with Gestational Diabetes Mellitus 2010 , 243-257		
3	Arterial PCO ₂ (PaCO ₂) can be accurately estimated using end-tidal PCO ₂ (PETCO ₂) during rest and exercise in obese subjects. <i>FASEB Journal</i> , 2012 , 26, 1146.4	0.9	
2	Spirometry Values In Recreational Runners Are Acutely Lower After Prolonged Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 285	1.2	
1	Week to week variability of pulmonary capillary blood volume and alveolar membrane diffusing capacity in patients with heart failure. <i>Respiratory Physiology and Neurobiology</i> , 2021 , 290, 103679	2.8	