

Michael S Koehle

List of Publications by Citations

Source: <https://exaly.com/author-pdf/969911/michael-s-koehle-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

119
papers

2,178
citations

28
h-index

42
g-index

138
ext. papers

2,612
ext. citations

3.4
avg, IF

5.18
L-index

#	Paper	IF	Citations
119	The 2018 Lake Louise Acute Mountain Sickness Score. <i>High Altitude Medicine and Biology</i> , 2018 , 19, 4-6	1.9	171
118	The health effects of exercising in air pollution. <i>Sports Medicine</i> , 2014 , 44, 223-49	10.6	126
117	Plausible ergogenic effects of vitamin D on athletic performance and recovery. <i>Journal of the International Society of Sports Nutrition</i> , 2015 , 12, 33	4.5	79
116	Alpine ski injuries and their prevention. <i>Sports Medicine</i> , 2002 , 32, 785-93	10.6	79
115	Effects of respiratory muscle work on respiratory and locomotor blood flow during exercise. <i>Experimental Physiology</i> , 2017 , 102, 1535-1547	2.4	71
114	Evidence for a genetic basis for altitude illness: 2010 update. <i>High Altitude Medicine and Biology</i> , 2010 , 11, 349-68	1.9	64
113	Tarsal navicular stress injury: long-term outcome and clinicoradiological correlation using both computed tomography and magnetic resonance imaging. <i>American Journal of Sports Medicine</i> , 2005 , 33, 1875-81	6.8	61
112	Pulmonary oedema of immersion. <i>Sports Medicine</i> , 2005 , 35, 183-90	10.6	57
111	Normative data for the functional movement screen in middle-aged adults. <i>Journal of Strength and Conditioning Research</i> , 2013 , 27, 458-62	3.2	56
110	Exercise-induced arterial hypoxaemia and the mechanics of breathing in healthy young women. <i>Journal of Physiology</i> , 2013 , 591, 3017-34	3.9	55
109	Evidence for a genetic basis for altitude-related illness. <i>High Altitude Medicine and Biology</i> , 2006 , 7, 150-67	7.9	51
108	Normative data for the balance error scoring system: implications for brain injury evaluations. <i>Brain Injury</i> , 2008 , 22, 147-52	2.1	49
107	Oximetry, heart rate variability, and the diagnosis of mild-to-moderate acute mountain sickness. <i>European Journal of Emergency Medicine</i> , 2010 , 17, 119-22	2.3	46
106	Normative data for the modified balance error scoring system in adults. <i>Brain Injury</i> , 2013 , 27, 596-9	2.1	45
105	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, 359-66	4.4	42
104	Differences in cardio-ventilatory responses to hypobaric and normobaric hypoxia: a review. <i>Aviation, Space, and Environmental Medicine</i> , 2012 , 83, 677-84		41
103	Sex differences in left ventricular function and beta-receptor responsiveness following prolonged strenuous exercise. <i>Journal of Applied Physiology</i> , 2007 , 102, 681-7	3.7	38

102	Acute hypoxic ventilatory response and exercise-induced arterial hypoxemia in men and women. <i>Respiratory Physiology and Neurobiology</i> , 2004 , 143, 37-48	2.8	38
101	The relationship of ischemia-reperfusion injury of transplanted lung and the up-regulation of major histocompatibility complex II on host peripheral lymphocytes. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1998 , 115, 978-89	1.5	34
100	Acute mountain sickness, chemosensitivity, and cardiorespiratory responses in humans exposed to hypobaric and normobaric hypoxia. <i>Journal of Applied Physiology</i> , 2014 , 116, 945-52	3.7	33
99	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, 334-7	1.9	32
98	Normative data for the balance error scoring system in adults. <i>Rehabilitation Research and Practice</i> , 2013 , 2013, 846418	1.2	32
97	The effect of pre-exercise diesel exhaust exposure on cycling performance and cardio-respiratory variables. <i>Inhalation Toxicology</i> , 2012 , 24, 783-9	2.7	32
96	Assessing cognitive impairment using PROMIS() applied cognition-abilities scales in a medical outpatient sample. <i>Psychiatry Research</i> , 2015 , 226, 169-72	9.9	31
95	Exercise-induced quadriceps muscle fatigue in men and women: effects of arterial oxygen content and respiratory muscle work. <i>Journal of Physiology</i> , 2017 , 595, 5227-5244	3.9	30
94	Physiological responses to diesel exhaust exposure are modified by cycling intensity. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 1999-2006	1.2	30
93	Comments on Point:Counterpoint: Hypobaric hypoxia induces/does not induce different responses from normobaric hypoxia. <i>Journal of Applied Physiology</i> , 2012 , 112, 1788-94	3.7	29
92	No association between variants in the ACE and angiotensin II receptor 1 genes and acute mountain sickness in Nepalese pilgrims to the Janai Purnima Festival at 4380 m. <i>High Altitude Medicine and Biology</i> , 2006 , 7, 281-9	1.9	29
91	The effect of low and high-intensity cycling in diesel exhaust on flow-mediated dilation, circulating NOx, endothelin-1 and blood pressure. <i>PLoS ONE</i> , 2018 , 13, e0192419	3.7	27
90	Left ventricular mechanics and arterial-ventricular coupling following high-intensity interval exercise. <i>Journal of Applied Physiology</i> , 2013 , 115, 1705-13	3.7	27
89	A prospective epidemiological study of acute mountain sickness in Nepalese pilgrims ascending to high altitude (4380 m). <i>PLoS ONE</i> , 2013 , 8, e75644	3.7	27
88	The pulmonary and autonomic effects of high-intensity and low-intensity exercise in diesel exhaust. <i>Environmental Health</i> , 2018 , 17, 87	6	26
87	A variant of the endothelial nitric oxide synthase gene (NOS3) associated with AMS susceptibility is less common in the Quechua, a high altitude Native population. <i>High Altitude Medicine and Biology</i> , 2010 , 11, 27-30	1.9	25
86	Two patterns of daily hypoxic exposure and their effects on measures of chemosensitivity in humans. <i>Journal of Applied Physiology</i> , 2007 , 103, 1973-8	3.7	25
85	Inhaled salbutamol does not affect athletic performance in asthmatic and non-asthmatic cyclists. <i>British Journal of Sports Medicine</i> , 2015 , 49, 51-5	10.3	19

84	Exercise-induced intrapulmonary arteriovenous shunt in healthy women. <i>Respiratory Physiology and Neurobiology</i> , 2012 , 181, 8-13	2.8	18
83	The genetics of altitude tolerance: the evidence for inherited susceptibility to acute mountain sickness. <i>Journal of Occupational and Environmental Medicine</i> , 2011 , 53, 159-68	2	18
82	Particulate matter exposure and health impacts of urban cyclists: a randomized crossover study. <i>Environmental Health</i> , 2018 , 17, 78	6	18
81	Genotype at the missense G894T polymorphism (Glu298Asp) in the NOS3 gene is associated with susceptibility to acute mountain sickness. <i>High Altitude Medicine and Biology</i> , 2009 , 10, 261-7	1.9	17
80	Evidence for and Against Genetic Predispositions to Acute and Chronic Altitude Illnesses. <i>High Altitude Medicine and Biology</i> , 2016 , 17, 281-293	1.9	17
79	Immersion pulmonary edema in female triathletes. <i>Pulmonary Medicine</i> , 2011 , 2011, 261404	5.3	16
78	Post-exercise hypotension and cardiovascular responses to moderate orthostatic stress in endurance-trained males. <i>Applied Physiology, Nutrition and Metabolism</i> , 2008 , 33, 246-53	3	16
77	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, 607-12	4.4	15
76	Factor Structure and Internal Validity of the Functional Movement Screen in Adults. <i>Journal of Strength and Conditioning Research</i> , 2016 , 30, 540-6	3.2	15
75	Effects of macro- and micronutrients on exercise-induced hepcidin response in highly trained endurance athletes. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017 , 42, 1036-1043	3	14
74	High-Dose Inhaled Salbutamol Does Not Improve 10-km Cycling Time Trial Performance. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 2373-9	1.2	14
73	Canadian Academy of Sport and Exercise Medicine position statement: athletes at high altitude. <i>Clinical Journal of Sport Medicine</i> , 2014 , 24, 120-7	3.2	14
72	Performance of a compact end-tidal forcing system. <i>Respiratory Physiology and Neurobiology</i> , 2009 , 167, 155-61	2.8	14
71	Repeated measurement of hypoxic ventilatory response as an intermittent hypoxic stimulus. <i>Respiratory Physiology and Neurobiology</i> , 2005 , 145, 33-9	2.8	14
70	Greater autonomic modulation during post-exercise hypotension following high-intensity interval exercise in endurance-trained men and women. <i>European Journal of Applied Physiology</i> , 2015 , 115, 81-9	3.4	13
69	Pulmonary mechanics and gas exchange during exercise in Kenyan distance runners. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 702-10	1.2	13
68	Asthma and recreational SCUBA diving: a systematic review. <i>Sports Medicine</i> , 2003 , 33, 109-16	10.6	13
67	Are we adequately preparing the next generation of physicians to prescribe exercise as prevention and treatment? Residents express the desire for more training in exercise prescription. <i>Canadian Medical Education Journal</i> , 2016 , 7, e79-96	1	13

66	Individual susceptibility to high altitude and immersion pulmonary edema and pulmonary lymphatics. <i>Aviation, Space, and Environmental Medicine</i> , 2014 , 85, 9-14		12
65	Exhaled nitric oxide is associated with acute mountain sickness susceptibility during exposure to normobaric hypoxia. <i>Respiratory Physiology and Neurobiology</i> , 2012 , 180, 40-4	2.8	12
64	Sex differences in cardiac function after prolonged strenuous exercise. <i>Clinical Journal of Sport Medicine</i> , 2015 , 25, 276-83	3.2	12
63	Heliox breathing equally influences respiratory mechanics and cycling performance in trained males and females. <i>Journal of Applied Physiology</i> , 2015 , 118, 255-64	3.7	11
62	Common haplotypes in the beta-2 adrenergic receptor gene are not associated with acute mountain sickness susceptibility in Nepalese. <i>High Altitude Medicine and Biology</i> , 2007 , 8, 206-12	1.9	11
61	No association between alleles of the bradykinin receptor-B2 gene and acute mountain sickness. <i>Experimental Biology and Medicine</i> , 2010 , 235, 737-40	3.7	9
60	Human ventilatory responsiveness to hypoxia is unrelated to maximal aerobic capacity. <i>Journal of Applied Physiology</i> , 2006 , 100, 1204-9	3.7	9
59	Are we adequately preparing the next generation of physicians to prescribe exercise as prevention and treatment? Residents express the desire for more training in exercise prescription. <i>Canadian Medical Education Journal</i> , 2016 , 7, e79-e96	1	8
58	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	10.3	7
57	The Critical Power Model as a Potential Tool for Anti-doping. <i>Frontiers in Physiology</i> , 2018 , 9, 643	4.6	7
56	Experimental performance evaluation of human balance control models. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2014 , 22, 1115-27	4.8	7
55	Repeated exercise-induced arterial hypoxemia in a healthy untrained woman. <i>Respiratory Physiology and Neurobiology</i> , 2012 , 183, 201-5	2.8	7
54	The effect of diaphragm fatigue on the multidimensional components of dyspnoea and diaphragm electromyography during exercise in healthy males. <i>Journal of Physiology</i> , 2020 , 598, 3223-3237	3.9	6
53	Acute diesel exhaust exposure and postural stability: a controlled crossover experiment. <i>Journal of Occupational Medicine and Toxicology</i> , 2018 , 13, 2	2.7	6
52	The effect of exercise duration on the fast component of exercise hyperpnoea at work rates below the first ventilatory threshold. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1996 , 74, 548-52		6
51	Effects of low-intensity and high-intensity cycling with diesel exhaust exposure on soluble P-selectin, E-selectin, I-CAM-1, VCAM-1 and complete blood count. <i>BMJ Open Sport and Exercise Medicine</i> , 2019 , 5, e000625	3.4	6
50	The Impact of Cycling Cadence on Respiratory and Hemodynamic Responses to Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 1727-1735	1.2	6
49	Monitoring the Prescribed and Experienced Heart Rate-Derived Training Loads in Elite Field Hockey Players. <i>Journal of Strength and Conditioning Research</i> , 2019 , 33, 1394-1399	3.2	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	3.2	6
47	Sildenafil does not improve performance in 16.1 km cycle exercise time-trial in acute hypoxia. <i>PLoS ONE</i> , 2019 , 14, e0210841	3.7	5
46	Vascular effects of physical activity are not modified by short-term inhaled diesel exhaust: Results of a controlled human exposure study. <i>Environmental Research</i> , 2020 , 183, 109270	7.9	5
45	Acute mountain sickness is not repeatable across two 12-hour normobaric hypoxia exposures. <i>Wilderness and Environmental Medicine</i> , 2014 , 25, 143-51	1.4	5
44	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> , 2012 , 13, 93-7	1.9	5
43	Estimation of minute ventilation by heart rate for field exercise studies. <i>Scientific Reports</i> , 2020 , 10, 14231.9	1.9	5
42	Using Variance to Explore the Diagnostic Utility of Baseline Concussion Testing. <i>Journal of Neurotrauma</i> , 2020 , 37, 1521-1527	5.4	4
41	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> , 2015 , 16, 290-7	1.9	4
40	Exercise-induced arterial hypoxemia is unaffected by intense physical training: a case report. <i>Applied Physiology, Nutrition and Metabolism</i> , 2014 , 39, 266-9	3	4
39	The effect of two different intermittent hypoxia protocols on ventilatory responses to hypoxia and carbon dioxide at rest. <i>Advances in Experimental Medicine and Biology</i> , 2008 , 605, 218-23	3.6	4
38	Effects of inhaled bronchodilators and corticosteroids on exercise induced arterial hypoxaemia in trained male athletes. <i>British Journal of Sports Medicine</i> , 2005 , 39, 917-20	10.3	4
37	Association between physical activity level and cardiovascular risk factors in adolescents living with type 1 diabetes mellitus: a cross-sectional study. <i>Cardiovascular Diabetology</i> , 2021 , 20, 62	8.7	4
36	The effect of consistent practice of yogic breathing exercises on the human cardiorespiratory system. <i>Respiratory Physiology and Neurobiology</i> , 2016 , 233, 41-51	2.8	4
35	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, 145-51	3.2	3
34	When physical activity meets the physical environment: precision health insights from the intersection. <i>Environmental Health and Preventive Medicine</i> , 2021 , 26, 68	4.2	3
33	Optimizing recovery to support multi-evening cycling competition performance. <i>European Journal of Sport Science</i> , 2019 , 19, 811-823	3.9	3
32	Efficacy of Hot Yoga as a Heat Stress Technique for Enhancing Plasma Volume and Cardiovascular Performance in Elite Female Field Hockey Players. <i>Journal of Strength and Conditioning Research</i> , 2018 , 32, 2878-2887	3.2	3
31	Carotid sinus hypersensitivity: block of the sternocleidomastoid muscle does not affect responses to carotid sinus massage in healthy young adults. <i>Physiological Reports</i> , 2017 , 5, e13448	2.6	2

30	Clarifying the role of physical activity in osteoarthritis and rheumatoid arthritis. <i>Journal of Physiology</i> , 2017 , 595, 5713	3.9	2
29	The effects of lower body positive and negative pressure on the hypoxic ventilatory decline. <i>Respiratory Physiology and Neurobiology</i> , 2010 , 172, 37-41	2.8	2
28	Near-infrared spectroscopy measures of sternocleidomastoid blood flow during exercise and hyperpnoea. <i>Experimental Physiology</i> , 2020 , 105, 2226-2237	2.4	2
27	Sildenafil does not reliably improve exercise performance in hypoxia: a systematic review. <i>BMJ Open Sport and Exercise Medicine</i> , 2019 , 5, e000526	3.4	2
26	Elevated peak systolic blood pressure in endurance-trained athletes: Physiology or pathology?. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021 , 31, 956-966	4.6	2
25	Ventilatory responses to constant load exercise following the inhalation of a short-acting β_2 agonist in a laboratory-controlled diesel exhaust exposure study in individuals with exercise-induced bronchoconstriction. <i>Environment International</i> , 2021 , 146, 106182	12.9	2
24	Inconsistent calculation methodology for the eucapnic voluntary hyperpnoea test affects the diagnosis of exercise-induced bronchoconstriction. <i>BMJ Open Respiratory Research</i> , 2018 , 5, e000358	5.6	2
23	The Acute Effects of Exercising in Air Pollution: A Systematic Review of Randomized Controlled Trials. <i>Sports Medicine</i> , 2021 , 1	10.6	2
22	A Meta-Analysis of Exhaled Nitric Oxide in Acute Normobaric Hypoxia. <i>Aerospace Medicine and Human Performance</i> , 2015 , 86, 693-7	1.1	1
21	Diagnosis of Exercise-induced Bronchoconstriction in Swimmers: Context Matters. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 1855-1861	1.2	1
20	Air pollution and high-intensity interval exercise: Implications to anti-inflammatory balance, metabolome and cardiovascular responses. <i>Science of the Total Environment</i> , 2021 , 809, 151094	10.2	1
19	Consecutive non-training days over a weekend for assessing cardiac parasympathetic variation in response to accumulated exercise stress. <i>European Journal of Sport Science</i> , 2020 , 20, 1072-1082	3.9	1
18	Reliability of diaphragm voluntary activation measurements in healthy adults. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021 , 46, 247-256	3	1
17	The effect of exercise duration on the fast component of exercise hyperpnoea at work rates below the first ventilatory threshold. <i>European Journal of Applied Physiology</i> , 1996 , 74, 548-552	3.4	1
16	The Efficacy of Heat Acclimatization Pre-World Cup in Female Soccer Players. <i>Frontiers in Sports and Active Living</i> , 2021 , 3, 614370	2.3	0
15	Physical performance development in a female national team soccer program. <i>Journal of Science and Medicine in Sport</i> , 2021 , 24, 597-602	4.4	0
14	Comparing the Respiratory Compensation Point With Muscle Oxygen Saturation in Locomotor and Non-locomotor Muscles Using Wearable NIRS Spectroscopy During Whole-Body Exercise.. <i>Frontiers in Physiology</i> , 2022 , 13, 818733	4.6	0
13	THE PATHOPHYSIOLOGY OF CAROTID SINUS HYPERSENSITIVITY: SENSORY BLOCK OF THE STERNOCLEIDOMASTOID MUSCLES DOES NOT INCREASE RESPONSES TO CAROTID SINUS MASSAGE. <i>Canadian Journal of Cardiology</i> , 2017 , 33, S152-S153	3.8	

- 12 Reply to Debevec and Millet. *Journal of Applied Physiology*, **2014**, 116, 1256 3.7
- 11 Patellofemoral pain syndrome in Tibetan Buddhist monks. *Wilderness and Environmental Medicine*, **2006**, 17, 129-31 1.4
- 10 Competing In A Big City: Effects Of Air Pollution On Performance And Physiological Parameters During A 50-km Cycling Time-trial. *Medicine and Science in Sports and Exercise*, **2020**, 52, 1046-1046 1.2
- 9 Hypoxic Ventilatory Response in Trained Male and Female Cyclists. *Medicine and Science in Sports and Exercise*, **2004**, 36, S265 1.2
- 8 Hypoxic Ventilatory Response in Trained Male and Female Cyclists. *Medicine and Science in Sports and Exercise*, **2004**, 36, S265 1.2
- 7 Hyperthermia significantly increases ventilatory response to isocapnic hypoxia in humans. *FASEB Journal*, **2008**, 22, 130-130 0.9
- 6 Airway Dysfunction in Elite Athletes **2020**, 147-157
- 5 The endothelial responses to low- and high-intensity cycling with diesel exhaust exposure (1106.21). *FASEB Journal*, **2014**, 28, 1106.21 0.9
- 4 Influence of sex and training status on cardiac and baroreceptor function following combined high-intensity interval exercise and orthostatic stress. *FASEB Journal*, **2013**, 27, 711.1 0.9
- 3 Perfusion of Intrapulmonary Arteriovenous Anastomoses Is Not Related to VO in Hypoxia and Is Unchanged by Oral Sildenafil. *High Altitude Medicine and Biology*, **2019**, 20, 399-406 1.9
- 2 Reply to Beltrami. *Experimental Physiology*, **2021**, 106, 791-792 2.4
- 1 Influence and Mechanisms of Action of Environmental Stimuli on Work Near and Above the Severe Domain Boundary (Critical Power).. *Sports Medicine - Open*, **2022**, 8, 42 6.1