

Bengt Kayser

List of Publications by Year in descending order

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Version: 2024-02-01

240

papers

8,006

citations

44069

48

h-index

69250

77

g-index

248

all docs

248

docs citations

248

times ranked

6918

citing authors

#	ARTICLE	IF	CITATIONS
1	Human quadriceps cross-sectional area, torque and neural activation during 6 months strength training. <i>Acta Physiologica Scandinavica</i> , 1996, 157, 175-186.	2.2	329
2	The 2018 Lake Louise Acute Mountain Sickness Score. <i>High Altitude Medicine and Biology</i> , 2018, 19, 4-6.	0.9	324
3	Physical Activity and Pregnancy. <i>Sports Medicine</i> , 2010, 40, 493-507.	6.5	208
4	High Altitude Adaptation in Tibetans. <i>High Altitude Medicine and Biology</i> , 2006, 7, 193-208.	0.9	197
5	Exercise starts and ends in the brain. <i>European Journal of Applied Physiology</i> , 2003, 90, 411-419.	2.5	196
6	Short-Term Preoperative High-Intensity Interval Training in Patients Awaiting Lung Cancer Surgery: A Randomized Controlled Trial. <i>Journal of Thoracic Oncology</i> , 2017, 12, 323-333.	1.1	168
7	Fatigue and exhaustion in chronic hypobaric hypoxia: influence of exercising muscle mass. <i>Journal of Applied Physiology</i> , 1994, 76, 634-640.	2.5	137
8	Ryanodine receptor fragmentation and sarcoplasmic reticulum Ca ²⁺ leak after one session of high-intensity interval exercise. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15492-15497.	7.1	132
9	Current anti-doping policy: a critical appraisal. <i>BMC Medical Ethics</i> , 2007, 8, 2.	2.4	128
10	Exercise and pregnancy in recreational and elite athletes: 2016 evidence summary from the IOC expert group meeting, Lausanne. Part 1—exercise in women planning pregnancy and those who are pregnant. <i>British Journal of Sports Medicine</i> , 2016, 50, 571-589.	6.7	128
11	Muscle structure and performance capacity of Himalayan Sherpas. <i>Journal of Applied Physiology</i> , 1991, 70, 1938-1942.	2.5	125
12	Hypoxia, energy balance and obesity: from pathophysiological mechanisms to new treatment strategies. <i>Obesity Reviews</i> , 2013, 14, 579-592.	6.5	122
13	Who Should Not Go High: Chronic Disease and Work at Altitude During Construction of the Qinghai-Tibet Railroad. <i>High Altitude Medicine and Biology</i> , 2007, 8, 88-107.	0.9	115
14	Effect of physical activity during pregnancy on mode of delivery. <i>American Journal of Obstetrics and Gynecology</i> , 2014, 211, 401.e1-401.e11.	1.3	100
15	Determinants of exercise performance in normal men with externally imposed expiratory flow limitation. <i>Journal of Applied Physiology</i> , 2002, 92, 1943-1952.	2.5	99
16	Awareness, Prevalence, Medication Use, and Risk Factors of Acute Mountain Sickness in Tourists Trekking around the Annapurnas in Nepal: A 12-Year Follow-up. <i>High Altitude Medicine and Biology</i> , 2004, 5, 410-419.	0.9	93
17	Total Energy Expenditure, Energy Intake, and Body Composition in Endurance Athletes Across the Training Season: A Systematic Review. <i>Sports Medicine - Open</i> , 2017, 3, 8.	3.1	93
18	Energy balance at high altitude of 6,542 m. <i>Journal of Applied Physiology</i> , 1994, 77, 862-866.	2.5	92

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19	Physical activity: the health benefits outweigh the risks. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2004, 7, 641-647.	2.5	88
20	Effects of recommended levels of physical activity on pregnancy outcomes. <i>American Journal of Obstetrics and Gynecology</i> , 2010, 202, 266.e1-266.e6.	1.3	88
21	AltitudeOmics: The Integrative Physiology of Human Acclimatization to Hypobaric Hypoxia and Its Retention upon Reascent. <i>PLoS ONE</i> , 2014, 9, e92191.	2.5	88
22	Exercise and pregnancy in recreational and elite athletes: 2016/17 evidence summary from the IOC Expert Group Meeting, Lausanne. Part 3â€”exercise in the postpartum period. <i>British Journal of Sports Medicine</i> , 2017, 51, 1516-1525.	6.7	85
23	Effects of physical activity on food intake. <i>Clinical Nutrition</i> , 2005, 24, 885-895.	5.0	84
24	Nervous System Function during Exercise in Hypoxia. <i>High Altitude Medicine and Biology</i> , 2009, 10, 149-164.	0.9	83
25	Reappraisal of Acetazolamide for the Prevention of Acute Mountain Sickness: A Systematic Review and Meta-Analysis. <i>High Altitude Medicine and Biology</i> , 2012, 13, 82-92.	0.9	79
26	Evidence of negative energy balance using doubly labelled water in elite Kenyan endurance runners prior to competition. <i>British Journal of Nutrition</i> , 2006, 95, 59-66.	2.3	78
27	The decrease of maximal oxygen consumption during hypoxia in man: a mirror image of the oxygen equilibrium curve.. <i>Journal of Physiology</i> , 1997, 498, 231-237.	2.9	77
28	Estimation of Oxygen Uptake during Fast Running Using Accelerometry and Heart Rate. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, 192-198.	0.4	76
29	Does cerebral oxygen delivery limit incremental exercise performance?. <i>Journal of Applied Physiology</i> , 2011, 111, 1727-1734.	2.5	76
30	Respiratory muscle dynamics and control during exercise with externally imposed expiratory flow limitation. <i>Journal of Applied Physiology</i> , 2002, 92, 1953-1963.	2.5	74
31	Stairs instead of elevators at workplace: cardioprotective effects of a pragmatic intervention. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2010, 17, 569-575.	2.8	74
32	Carbohydrate Mouth Rinse Effects on Exercise Capacity in Pre- and Postprandial States. <i>Journal of Nutrition and Metabolism</i> , 2011, 2011, 1-6.	1.8	74
33	Does This Patient Have Acute Mountain Sickness?. <i>JAMA - Journal of the American Medical Association</i> , 2017, 318, 1810.	7.4	72
34	Muscle tissue adaptations of high-altitude natives to training in chronic hypoxia or acute normoxia. <i>Journal of Applied Physiology</i> , 1996, 81, 1946-1951.	2.5	71
35	Muscle ultrastructure and biochemistry of lowland Tibetans. <i>Journal of Applied Physiology</i> , 1996, 81, 419-425.	2.5	69
36	Exercise and pregnancy in recreational and elite athletes: 2016 evidence summary from the IOC expert group meeting, Lausanne. Part 2â€”the effect of exercise on the fetus, labour and birth: TableÂ1. <i>British Journal of Sports Medicine</i> , 2016, 50, 1297-1305.	6.7	68

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37	Exercise and pregnancy in recreational and elite athletes: 2016/2017 evidence summary from the IOC expert group meeting, Lausanne. Part 5. Recommendations for health professionals and active women. British Journal of Sports Medicine, 2018, 52, 1080-1085.	6.7	68
38	Nutrition and Energetics of Exercise at Altitude. Sports Medicine, 1994, 17, 309-323.	6.5	67
39	Maximal exercise performance in chronic hypoxia and acute normoxia in high-altitude natives. Journal of Applied Physiology, 1995, 78, 1868-1874.	2.5	64
40	Body mass regulation at altitude. European Journal of Gastroenterology and Hepatology, 2006, 18, 1-3.	1.6	63
41	Peak blood lactate and blood lactate vs. workload during acclimatization to 5,050 m and in deacclimatization. Journal of Applied Physiology, 1996, 80, 685-692.	2.5	61
42	Effects of endurance training on oxidative capacity and structural composition of human arm and leg muscles. Acta Physiologica Scandinavica, 1997, 161, 459-464.	2.2	60
43	Hyperoxia improves 20Âkm cycling time trial performance by increasing muscle activation levels while perceived exertion stays the same. European Journal of Applied Physiology, 2007, 101, 771-781.	2.5	59
44	Respiratory effort sensation during exercise with induced expiratory-flow limitation in healthy humans. Journal of Applied Physiology, 1997, 83, 936-947.	2.5	58
45	Low-Dose Acetylsalicylic Acid Analog and Acetazolamide for Prevention of Acute Mountain Sickness. High Altitude Medicine and Biology, 2008, 9, 15-23.	0.9	57
46	Globalisation of anti-doping: the reverse side of the medal. BMJ: British Medical Journal, 2008, 337, a584-a584.	2.3	56
47	Second generation Tibetan lowlanders acclimatize to high altitude more quickly than Caucasians. Journal of Physiology, 2004, 556, 661-671.	2.9	53
48	Chronic hypoxia: common traits between chronic obstructive pulmonary disease and altitude. Current Opinion in Clinical Nutrition and Metabolic Care, 2004, 7, 411-417.	2.5	52
49	Effects of 17-day spaceflight on electrically evoked torque and cross-sectional area of the human triceps surae. European Journal of Applied Physiology, 2003, 90, 275-282.	2.5	51
50	Branched-chain amino acid supplementation during trekking at high altitude. European Journal of Applied Physiology and Occupational Physiology, 1992, 65, 394-398.	1.2	50
51	The Muscle-Brain Axis and Neurodegenerative Diseases: The Key Role of Mitochondria in Exercise-Induced Neuroprotection. International Journal of Molecular Sciences, 2021, 22, 6479.	4.1	50
52	AltitudeOmics: effect of ascent and acclimatization to 5260Âm on regional cerebral oxygen delivery. Experimental Physiology, 2014, 99, 772-781.	2.0	49
53	The effect of muscle fatigue on stimulus intensity requirements for central and peripheral fatigue quantification. European Journal of Applied Physiology, 2014, 114, 205-215.	2.5	49
54	Risk Determinants of Acute Mountain Sickness in Trekkers in the Nepali Himalaya: a 24-Year Follow-Up. Wilderness and Environmental Medicine, 2014, 25, 152-159.	0.9	49

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55	Nutrient intake and performance during a mountain marathon: an observational study. <i>European Journal of Applied Physiology</i> , 2005, 94, 151-157.	2.5	47
56	Pregnancy-related changes in activity energy expenditure and resting metabolic rate in Switzerland. <i>European Journal of Clinical Nutrition</i> , 2009, 63, 1185-1191.	2.9	47
57	Preoperative high-intensity interval training is effective and safe in deconditioned patients with lung cancer: A randomized clinical trial. <i>Journal of Rehabilitation Medicine</i> , 2019, 51, 712-718.	1.1	47
58	Reduced Incidence and Severity of Acute Mountain Sickness in Qinghaiâ€“Tibet Railroad Construction Workers after Repeated 7-Month Exposures despite 5-Month Low Altitude Periods. <i>High Altitude Medicine and Biology</i> , 2009, 10, 221-232.	0.9	46
59	Control and sensation of breathing during cycling exercise in hypoxia under naloxone: a randomised controlled crossover trial. <i>Extreme Physiology and Medicine</i> , 2013, 2, 1.	2.5	46
60	Preoperative Exercise Training to Prevent Postoperative Pulmonary Complications in Adults Undergoing Major Surgery. A Systematic Review and Meta-analysis with Trial Sequential Analysis. <i>Annals of the American Thoracic Society</i> , 2021, 18, 678-688.	3.2	46
61	Hypertrophic response of human skeletal muscle to strength training in hypoxia and normoxia. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1995, 70, 213-219.	1.2	43
62	Comparison of static and dynamic intrinsic positive end-expiratory pressure using the Campbell diagram.. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1996, 154, 938-944.	5.6	42
63	Limitations to $\dot{V}\dot{O}_2\text{max}$ in humans after blood retransfusion. <i>Respiration Physiology</i> , 1993, 92, 329-341.	2.7	41
64	Contractile Properties and Fiber Type Distribution of Quadriceps Muscles in Adults with Childhood-Onset Growth Hormone Deficiency. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1997, 82, 4133-4138.	3.6	41
65	Comparing Questionnaires for the Assessment of Acute Mountain Sickness. <i>High Altitude Medicine and Biology</i> , 2007, 8, 184-191.	0.9	41
66	Effect of oral nitrate supplementation on pulmonary hemodynamics during exercise and time trial performance in normoxia and hypoxia: a randomized controlled trial. <i>Frontiers in Physiology</i> , 2015, 6, 288.	2.8	41
67	Comparison of neuromuscular adjustments associated with sustained isometric contractions of four different muscle groups. <i>Journal of Applied Physiology</i> , 2013, 114, 1426-1434.	2.5	40
68	Mechanisms of Fatigue and Task Failure Induced By Sustained Submaximal Contractions. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 1243-1251.	0.4	39
69	Wide-pulse-high-frequency neuromuscular stimulation of triceps surae induces greater muscle fatigue compared with conventional stimulation. <i>Journal of Applied Physiology</i> , 2014, 116, 1281-1289.	2.5	39
70	Comparison of equations for estimating resting metabolic rate in healthy subjects over 70 years of age. <i>Clinical Nutrition</i> , 2007, 26, 498-505.	5.0	38
71	Objectively measured physical activity in population-representative parent-child pairs: parental modelling matters and is context-specific. <i>BMC Public Health</i> , 2018, 18, 1024.	2.9	37
72	Altitude Illness in Qinghaiâ€“Tibet Railroad Passengers. <i>High Altitude Medicine and Biology</i> , 2010, 11, 189-198.	0.9	36

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73	Fatigue and Exhaustion in Hypoxia: The Role of Cerebral Oxygenation. High Altitude Medicine and Biology, 2016, 17, 72-84.	0.9	36
74	Exercise and pregnancy in recreational and elite athletes: 2016/17 evidence summary from the IOC expert group meeting, Lausanne. Part 4â€”Recommendations for future research. British Journal of Sports Medicine, 2017, 51, 1724-1726.	6.7	36
75	Body Composition and Maximum Alactic Anaerobic Performance During a One Month Stay at High Altitude. International Journal of Sports Medicine, 1993, 14, 244-247.	1.7	35
76	Smoking, acute mountain sickness and altitude acclimatisation: a cohort study. Thorax, 2012, 67, 914-919.	5.6	35
77	Energy expenditure of extreme competitive mountaineering skiing. European Journal of Applied Physiology, 2014, 114, 2201-2211.	2.5	35
78	Viewpoint: Legalisation of performance-enhancing drugs. Lancet, The, 2005, 366, S21.	13.7	34
79	Eight-Year Longitudinal Changes in Body Composition in Healthy Swiss Adults. Journal of the American College of Nutrition, 2006, 25, 493-501.	1.8	33
80	Hypoxia, energy balance, and obesity: An update. Obesity Reviews, 2021, 22, e13192.	6.5	33
81	Autonomic nervous control of heart rate at altitude (5050 m). European Journal of Applied Physiology and Occupational Physiology, 1994, 69, 502-507.	1.2	32
82	Effects of acetazolamide on cerebrovascular function and breathing stability at 5050 m. Journal of Physiology, 2012, 590, 1213-1225.	2.9	32
83	Training in hypoxia vs. training in normoxia in high-altitude natives. Journal of Applied Physiology, 1995, 78, 2286-2293.	2.5	31
84	Airway responses to methacholine and exercise at high altitude in healthy lowlanders. Journal of Applied Physiology, 2010, 108, 256-265.	2.5	31
85	AltitudeOmics: impaired pulmonary gas exchange efficiency and blunted ventilatory acclimatization in humans with patent foramen ovale after 16 days at 5,260 m. Journal of Applied Physiology, 2015, 118, 1100-1112.	2.5	31
86	Lactate during exercise at high altitude. European Journal of Applied Physiology and Occupational Physiology, 1996, 74, 195-205.	1.2	30
87	The Olympics and harm reduction?. Harm Reduction Journal, 2012, 9, 33.	3.2	30
88	Assessment of Abdominal Muscle Contractility, Strength, and Fatigue. American Journal of Respiratory and Critical Care Medicine, 1999, 159, 1052-1060.	5.6	29
89	Maternal heart rate changes during labour. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2011, 158, 173-178.	1.1	29
90	Maximal rate of blood lactate accumulation during exercise at altitude in humans. Journal of Applied Physiology, 1995, 79, 331-339.	2.5	28

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91	Breath-by-breath assessment of alveolar gas stores and exchange. Journal of Applied Physiology, 2004, 96, 1464-1469.	2.5	28
92	Effect of magnesium, high altitude and acute mountain sickness on blood flow velocity in the middle cerebral artery. Clinical Science, 2004, 106, 279-285.	4.3	28
93	A human model of the pathophysiology of chronic obstructive pulmonary disease. Respiriology, 2007, 12, 478-485.	2.3	28
94	AltitudeOmics: cerebral autoregulation during ascent, acclimatization, and re-exposure to high altitude and its relation with acute mountain sickness. Journal of Applied Physiology, 2014, 116, 724-729.	2.5	28
95	Differential Inspiratory Muscle Pressure Contributions to Breathing during Dynamic Hyperinflation. American Journal of Respiratory and Critical Care Medicine, 1997, 156, 497-503.	5.6	27
96	Twitch transdiaphragmatic pressure depends critically on thoracoabdominal configuration. Journal of Applied Physiology, 2000, 88, 54-60.	2.5	27
97	Task failure from inspiratory resistive loaded breathing: a role for inspiratory muscle fatigue?. European Journal of Applied Physiology, 2003, 90, 405-410.	2.5	27
98	Impact of Study Design on Reported Incidences of Acute Mountain Sickness: A Systematic Review. High Altitude Medicine and Biology, 2015, 16, 204-215.	0.9	27
99	Plantar flexor muscle weakness and fatigue in spastic cerebral palsy patients. Research in Developmental Disabilities, 2017, 61, 66-76.	2.2	27
100	Elite Kenyan Endurance Runners are Hydrated Day-To-Day with Ad Libitum Fluid Intake. Medicine and Science in Sports and Exercise, 2008, 40, 1171-1179.	0.4	26
101	Comments on Point:Counterpoint: Afferent feedback from fatigued locomotor muscles is/is not an important determinant of endurance exercise performance. Journal of Applied Physiology, 2010, 108, 458-468.	2.5	26
102	Eleven-year physical activity trends in a Swiss urban area. Preventive Medicine, 2014, 59, 25-30.	3.4	26
103	Regulation of perfusive O2 transport during exercise in humans: effects of changes in haemoglobin concentration.. Journal of Physiology, 1992, 455, 679-688.	2.9	25
104	Alpha-motoneuron excitability at high altitude. European Journal of Applied Physiology and Occupational Physiology, 1993, 66, 1-4.	1.2	25
105	Respiratory and leg muscles perceived exertion during exercise at altitude. Respiratory Physiology and Neurobiology, 2011, 177, 162-168.	1.6	25
106	The metabolic and ventilatory response to exercise in Tibetans born at low altitude. Respiration Physiology, 1994, 98, 15-26.	2.7	24
107	Respiratory mechanics during exhaustive submaximal exercise at high altitude in healthy humans.. Journal of Physiology, 1996, 494, 881-890.	2.9	24
108	Breath-by-breath changes of lung oxygen stores at rest and during exercise in humans. Respiratory Physiology and Neurobiology, 2008, 164, 291-299.	1.6	23

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109	AltitudeOmics: enhanced cerebrovascular reactivity and ventilatory response to CO ₂ with high-altitude acclimatization and reexposure. <i>Journal of Applied Physiology</i> , 2014, 116, 911-918.	2.5	23
110	Toxic doses of caffeine are needed to increase skeletal muscle contractility. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 316, C246-C251.	4.6	23
111	Kinetics of oxygen consumption during maximal exercise at different muscle temperatures. <i>Respiration Physiology</i> , 1995, 102, 261-268.	2.7	22
112	Stair use for cardiovascular disease prevention. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2009, 16, S17-S18.	2.8	21
113	Pro: Headache Should Be a Required Symptom for the Diagnosis of Acute Mountain Sickness. <i>High Altitude Medicine and Biology</i> , 2011, 12, 21-22.	0.9	21
114	The Effect of Adding CO ₂ to Hypoxic Inspired Gas on Cerebral Blood Flow Velocity and Breathing during Incremental Exercise. <i>PLoS ONE</i> , 2013, 8, e81130.	2.5	21
115	AltitudeOmics: Baroreflex Sensitivity During Acclimatization to 5,260 m. <i>Frontiers in Physiology</i> , 2018, 9, 767.	2.8	21
116	Vitamin C and E Treatment Blunts Sprint Interval Training-Induced Changes in Inflammatory Mediator-, Calcium-, and Mitochondria-Related Signaling in Recreationally Active Elderly Humans. <i>Antioxidants</i> , 2020, 9, 879.	5.1	21
117	Measuring Mountain Maladies. <i>High Altitude Medicine and Biology</i> , 2007, 8, 171-172.	0.9	20
118	Improving cardiometabolic and mental health in women with gestational diabetes mellitus and their offspring: study protocol for <i>MySweetHeart Trial</i> , a randomised controlled trial. <i>BMJ Open</i> , 2018, 8, e020462.	1.9	19
119	Effect of end-tidal CO ₂ clamping on cerebrovascular function, oxygenation, and performance during 15-km time trial cycling in severe normobaric hypoxia: the role of cerebral O ₂ delivery. <i>Physiological Reports</i> , 2013, 1, e00066.	1.7	18
120	Muscle Fatigue Affects the Interpolated Twitch Technique When Assessed Using Electrically-Induced Contractions in Human and Rat Muscles. <i>Frontiers in Physiology</i> , 2016, 7, 252.	2.8	18
121	Optimal slopes and speeds in uphill ski mountaineering: a laboratory study. <i>European Journal of Applied Physiology</i> , 2016, 116, 1011-1019.	2.5	17
122	Acute RyR1 Ca ²⁺ leak enhances NADH-linked mitochondrial respiratory capacity. <i>Nature Communications</i> , 2021, 12, 7219.	12.8	17
123	Are There Critical Fatigue Thresholds? Aggregated vs. Individual Data. <i>Frontiers in Physiology</i> , 2016, 7, 376.	2.8	16
124	Magnesium for the prevention and treatment of acute mountain sickness. <i>Clinical Science</i> , 2004, 106, 269-277.	4.3	15
125	The “Abdominal Circulatory Pump” An Auxiliary Heart during Exercise?. <i>Frontiers in Physiology</i> , 2015, 6, 411.	2.8	15
126	Pulmonary kinetics at the onset of exercise is faster when actual changes in alveolar O ₂ stores are considered. <i>Respiratory Physiology and Neurobiology</i> , 2009, 169, 78-82.	1.6	14

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127	Comparison of a Visual Analogue Scale and Lake Louise Symptom Scores for Acute Mountain Sickness. High Altitude Medicine and Biology, 2010, 11, 69-72.	0.9	14
128	Cerebral oxygenation during the Richalet hypoxia sensitivity test and cycling time-trial performance in severe hypoxia. European Journal of Applied Physiology, 2014, 114, 1037-1048.	2.5	14
129	Comparison of electrical nerve stimulation, electrical muscle stimulation and magnetic nerve stimulation to assess the neuromuscular function of the plantar flexor muscles. European Journal of Applied Physiology, 2015, 115, 1429-1439.	2.5	14
130	Three weeks of sprint interval training improved high-intensity cycling performance and limited ryanodine receptor modifications in recreationally active human subjects. European Journal of Applied Physiology, 2019, 119, 1951-1958.	2.5	14
131	Prepregnancy Body Mass Index and Resting Metabolic Rate during Pregnancy. Annals of Nutrition and Metabolism, 2010, 57, 221-227.	1.9	13
132	Movement-Related Cortical Potential Amplitude Reduction after Cycling Exercise Relates to the Extent of Neuromuscular Fatigue. Frontiers in Human Neuroscience, 2016, 10, 257.	2.0	13
133	Metabolic Equivalent in Adolescents, Active Adults and Pregnant Women. Nutrients, 2016, 8, 438.	4.1	13
134	Wide-pulse-high-frequency neuromuscular electrical stimulation in cerebral palsy. Clinical Neurophysiology, 2016, 127, 1530-1539.	1.5	13
135	Ethics of a relaxed antidoping rule accompanied by harm-reduction measures. Journal of Medical Ethics, 2017, 43, 282-286.	1.8	13
136	Disentangling hypoxia and hypobaria. Respiratory Physiology and Neurobiology, 2009, 169, 338-339.	1.6	12
137	Perceived and measured physical activity and mental stress levels in obstetricians. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2013, 171, 44-48.	1.1	12
138	Respiratory quotient evolution during normal pregnancy: What nutritional or clinical information can we get out of it?. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2014, 176, 5-9.	1.1	12
139	Optimal slopes and speeds in uphill ski mountaineering: a field study. European Journal of Applied Physiology, 2016, 116, 2017-2024.	2.5	12
140	The Influence of Training Load on Hematological Athlete Biological Passport Variables in Elite Cyclists. Frontiers in Sports and Active Living, 2021, 3, 618285.	1.8	12
141	Controversies in altitude medicine. Travel Medicine and Infectious Disease, 2005, 3, 183-188.	3.0	11
142	Effect of inspired CO2 on the ventilatory response to high intensity exercise. Respiratory Physiology and Neurobiology, 2012, 180, 283-288.	1.6	11
143	Precision of the optimized carbon monoxide rebreathing method to determine total haemoglobin mass and blood volume. European Journal of Sport Science, 2013, 13, 68-77.	2.7	11
144	French speaking athletes' experience and perception regarding the whereabouts reporting system and therapeutic use exemptions. Performance Enhancement and Health, 2014, 3, 153-158.	1.6	11

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145	Preoperative Peak Oxygen Uptake in Lung Cancer Subjects With Neoadjuvant Chemotherapy: A Cross-Sectional Study. <i>Respiratory Care</i> , 2016, 61, 1059-1066.	1.6	11
146	Measuring spatio-temporal parameters of uphill ski-mountaineering with ski-fixed inertial sensors. <i>Journal of Biomechanics</i> , 2016, 49, 3052-3055.	2.1	11
147	Sedentary Behaviour in Swiss Children and Adolescents: Disentangling Associations with the Perceived and Objectively Measured Environment. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 918.	2.6	11
148	Intensity-dependent effects of exercise therapy on walking performance and aerobic fitness in symptomatic patients with lower-extremity peripheral artery disease: A systematic review and meta-analysis. <i>Vascular Medicine</i> , 2022, 27, 158-170.	1.5	11
149	Commentaries on Viewpoint: Inappropriate interpretation of surface EMG signals and muscle fiber characteristics impedes understanding of the control of neuromuscular function. <i>Journal of Applied Physiology</i> , 2015, 119, 1519-1519.	2.5	10
150	Alterations in energy balance from an exercise intervention with ad libitum food intake. <i>Journal of Nutritional Science</i> , 2016, 5, e7.	1.9	10
151	Comparison of Conventional and Individualized 1-MET Values for Expressing Maximum Aerobic Metabolic Rate and Habitual Activity Related Energy Expenditure. <i>Nutrients</i> , 2019, 11, 458.	4.1	10
152	Neuromuscular adaptations to wide-pulse high-frequency neuromuscular electrical stimulation training. <i>European Journal of Applied Physiology</i> , 2019, 119, 1105-1116.	2.5	10
153	Self-reported health, physical activity and socio-economic status of middle-aged and elderly participants to a popular road running race in Switzerland: better off than the general population?. <i>Swiss Medical Weekly</i> , 2013, 143, w13710.	1.6	10
154	Feasibility of a prehabilitation program before major abdominal surgery: a pilot prospective study. <i>Journal of International Medical Research</i> , 2021, 49, 030006052110601.	1.0	10
155	Paraventricular neurones in the rat hypothalamic slice: Lucifer Yellow injection and immunocytochemical identification. <i>Experientia</i> , 1982, 38, 391-393.	1.2	9
156	Electromyographic, cerebral, and muscle hemodynamic responses during intermittent, isometric contractions of the biceps brachii at three submaximal intensities. <i>Frontiers in Physiology</i> , 2014, 5, 190.	2.8	9
157	Nutritional behaviour and beliefs of ski-mountaineers: a semi-quantitative and qualitative study. <i>Journal of the International Society of Sports Nutrition</i> , 2015, 12, 46.	3.9	9
158	AltitudeOmics: Resetting of Cerebrovascular CO2 Reactivity Following Acclimatization to High Altitude. <i>Frontiers in Physiology</i> , 2015, 6, 394.	2.8	9
159	Do public perception and the "spirit of sport"™ justify the criminalisation of doping? A reply to Claire Sumner. <i>International Sports Law Journal</i> , 2018, 18, 61-78.	0.9	9
160	Dealing with doping. A plea for better science, governance and education. <i>British Journal of Clinical Pharmacology</i> , 2022, 88, 566-578.	2.4	9
161	Human intramuscular temperature and heat flow transients at rest. <i>Journal of Applied Physiology</i> , 1995, 79, 1736-1743.	2.5	8
162	In search for better pharmacological prophylaxis for acute mountain sickness: looking in other directions. <i>Acta Physiologica</i> , 2015, 214, 51-62.	3.8	8

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163	Range of motion and energy cost of locomotion of the late medieval armoured fighter: A proof of concept of confronting the medieval technical literature with modern movement analysis. <i>Historical Methods</i> , 2016, 49, 169-186.	1.5	8
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