

# Hannes Gatterer

## List of Publications by Citations

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147  
papers

2,015  
citations

24  
h-index

35  
g-index

172  
ext. papers

2,583  
ext. citations

3.4  
avg, IF

5.04  
L-index

#	Paper	IF	Citations
147	Effects of modern ski equipment on the overall injury rate and the pattern of injury location in Alpine skiing. <i>American Journal of Therapeutics</i> , <b>2008</b> , 18, 355-7	1	102
146	Hypoxia-related altitude illnesses. <i>Journal of Travel Medicine</i> , <b>2013</b> , 20, 247-55	12.9	66
145	Probiotic Supplements Beneficially Affect Tryptophan-Kynurenine Metabolism and Reduce the Incidence of Upper Respiratory Tract Infections in Trained Athletes: A Randomized, Double-Blinded, Placebo-Controlled Trial. <i>Nutrients</i> , <b>2016</b> , 8,	6.7	60
144	Hypoxia, Oxidative Stress and Fat. <i>Biomolecules</i> , <b>2015</b> , 5, 1143-50	5.9	59
143	Factors associated with self-reported risk-taking behaviour on ski slopes. <i>British Journal of Sports Medicine</i> , <b>2010</b> , 44, 204-6	10.3	59
142	Effects of Exhaustive Aerobic Exercise on Tryptophan-Kynurenine Metabolism in Trained Athletes. <i>PLoS ONE</i> , <b>2016</b> , 11, e0153617	3.7	59
141	Bioimpedance and impedance vector patterns as predictors of league level in male soccer players. <i>International Journal of Sports Physiology and Performance</i> , <b>2014</b> , 9, 532-9	3.5	58
140	Leg dominance is a risk factor for noncontact anterior cruciate ligament injuries in female recreational skiers. <i>American Journal of Sports Medicine</i> , <b>2012</b> , 40, 1269-73	6.8	58
139	Interval hypoxic training improves autonomic cardiovascular and respiratory control in patients with mild chronic obstructive pulmonary disease. <i>Journal of Hypertension</i> , <b>2009</b> , 27, 1648-54	1.9	51
138	Intermittent hypoxia increases exercise tolerance in patients at risk for or with mild COPD. <i>Respiratory Physiology and Neurobiology</i> , <b>2009</b> , 165, 97-103	2.8	49
137	Prevalence of cardiovascular diseases among alpine skiers and hikers in the Austrian Alps. <i>High Altitude Medicine and Biology</i> , <b>2007</b> , 8, 245-52	1.9	39
136	Normobaric Intermittent Hypoxia over 8 Months Does Not Reduce Body Weight and Metabolic Risk Factors--a Randomized, Single Blind, Placebo-Controlled Study in Normobaric Hypoxia and Normobaric Sham Hypoxia. <i>Obesity Facts</i> , <b>2015</b> , 8, 200-9	5.1	37
135	Preacclimatization in simulated altitudes. <i>Sleep and Breathing</i> , <b>2008</b> , 12, 109-14	3.1	37
134	Bioimpedance identifies body fluid loss after exercise in the heat: a pilot study with body cooling. <i>PLoS ONE</i> , <b>2014</b> , 9, e109729	3.7	36
133	Extreme Terrestrial Environments: Life in Thermal Stress and Hypoxia. A Narrative Review. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 572	4.6	33
132	Bioimpedance patterns and bioelectrical impedance vector analysis (BIVA) of road cyclists. <i>Journal of Sports Sciences</i> , <b>2018</b> , 36, 2608-2613	3.6	31
131	Resting arterial oxygen saturation and breathing frequency as predictors for acute mountain sickness development: a prospective cohort study. <i>Sleep and Breathing</i> , <b>2014</b> , 18, 669-74	3.1	29

130	Classic Bioelectrical Impedance Vector Reference Values for Assessing Body Composition in Male and Female Athletes. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	29
129	Shuttle-run sprint training in hypoxia for youth elite soccer players: a pilot study. <i>Journal of Sports Science and Medicine</i> , <b>2014</b> , 13, 731-5	2.7	28
128	Short-term intermittent hypoxia reduces the severity of acute mountain sickness. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2012</b> , 22, e79-85	4.6	26
127	Short-term supplementation with alpha-ketoglutaric acid and 5-hydroxymethylfurfural does not prevent the hypoxia induced decrease of exercise performance despite attenuation of oxidative stress. <i>International Journal of Sports Medicine</i> , <b>2013</b> , 34, 1-7	3.6	26
126	Body Composition and Body Weight Changes at Different Altitude Levels: A Systematic Review and Meta-Analysis. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 430	4.6	25
125	Cardiac troponins in young marathon runners. <i>American Journal of Cardiology</i> , <b>2012</b> , 110, 594-8	3	25
124	Effects of a single bout of interval hypoxia on cardiorespiratory control and blood glucose in patients with type 2 diabetes. <i>Diabetes Care</i> , <b>2013</b> , 36, 2183-9	14.6	24
123	Bike Transalp 2008: liquid intake and its effect on the body's fluid homeostasis in the course of a multistage, cross-country, MTB marathon race in the central Alps. <i>Clinical Journal of Sport Medicine</i> , <b>2010</b> , 20, 47-52	3.2	24
122	Association between body water status and acute mountain sickness. <i>PLoS ONE</i> , <b>2013</b> , 8, e73185	3.7	24
121	Effects of interval hypoxia on exercise tolerance: special focus on patients with CAD or COPD. <i>Sleep and Breathing</i> , <b>2010</b> , 14, 209-20	3.1	22
120	Changes in hydration, body-cell mass and endurance performance of professional soccer players through a competitive season. <i>Journal of Sports Medicine and Physical Fitness</i> , <b>2015</b> , 55, 749-55	1.4	22
119	Effect of Qigong exercise on cognitive function, blood pressure and cardiorespiratory fitness in healthy middle-aged subjects. <i>Complementary Therapies in Medicine</i> , <b>2017</b> , 33, 39-45	3.5	21
118	Short-term exposure to hypoxia for work and leisure activities in health and disease: which level of hypoxia is safe?. <i>Sleep and Breathing</i> , <b>2012</b> , 16, 435-42	3.1	21
117	Dental Occlusion Influences the Standing Balance on an Unstable Platform. <i>Motor Control</i> , <b>2015</b> , 19, 341-54	3.4	20
116	Ski mountaineering competition: fit for it?. <i>Clinical Journal of Sport Medicine</i> , <b>2011</b> , 21, 114-8	3.2	20
115	Changes in cardiac autonomic activity during a passive 8 hour acute exposure to 5 500 m normobaric hypoxia are not related to the development of acute mountain sickness. <i>International Journal of Sports Medicine</i> , <b>2012</b> , 33, 186-91	3.6	20
114	Effects of the performance level and the FIFA "11" injury prevention program on the injury rate in Italian male amateur soccer players. <i>Journal of Sports Medicine and Physical Fitness</i> , <b>2012</b> , 52, 80-4	1.4	19
113	Stabilizing Bioimpedance-Vector-Analysis Measures With a 10-Minute Cold Shower After Running Exercise to Enable Assessment of Body Hydration. <i>International Journal of Sports Physiology and Performance</i> , <b>2019</b> , 14, 1006-1009	3.5	18

112	Supervised exercise in patients with impaired fasting glucose: impact on exercise capacity. <i>Clinical Journal of Sport Medicine</i> , <b>2009</b> , 19, 394-8	3.2	18
111	Physiological Responses in Humans Acutely Exposed to High Altitude (3480 m): Minute Ventilation and Oxygenation Are Predictive for the Development of Acute Mountain Sickness. <i>High Altitude Medicine and Biology</i> , <b>2019</b> , 20, 192-197	1.9	17
110	The influence of dental occlusion on the body balance in unstable platform increases after high intensity exercise. <i>Neuroscience Letters</i> , <b>2016</b> , 617, 116-21	3.3	17
109	Intermittent hypoxia does not affect endurance performance at moderate altitude in well-trained athletes. <i>Journal of Sports Sciences</i> , <b>2010</b> , 28, 513-9	3.6	17
108	Body fluid status and physical demand during the Giro d'Italia. <i>Research in Sports Medicine</i> , <b>2016</b> , 24, 30-8,8		17
107	Symptom progression in acute mountain sickness during a 12-hour exposure to normobaric hypoxia equivalent to 4500 m. <i>High Altitude Medicine and Biology</i> , <b>2014</b> , 15, 446-51	1.9	16
106	Cardiorespiratory Fitness of High Altitude Mountaineers: The Underestimated Prerequisite. <i>High Altitude Medicine and Biology</i> , <b>2015</b> , 16, 169-70	1.9	15
105	Endurance Training in Normobaric Hypoxia Imposes Less Physical Stress for Geriatric Rehabilitation. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 514	4.6	15
104	Plasma electrolyte and hematological changes after marathon running in adolescents. <i>Medicine and Science in Sports and Exercise</i> , <b>2013</b> , 45, 1182-7	1.2	15
103	Modulation of Hb-O affinity to improve hypoxemia in COVID-19 patients. <i>Clinical Nutrition</i> , <b>2021</b> , 40, 38-39	5.9	15
102	Right ventricle dimensions and function in response to acute hypoxia in healthy human subjects. <i>Acta Physiologica</i> , <b>2017</b> , 219, 478-485	5.6	14
101	Effects of a 12-day maximal shuttle-run shock microcycle in hypoxia on soccer specific performance and oxidative stress. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2015</b> , 40, 842-5	3	14
100	Effects of intermittent hypoxia on running economy. <i>International Journal of Sports Medicine</i> , <b>2010</b> , 31, 644-50	3.6	14
99	Effects of lightweight outdoor clothing on the prevention of hypothermia during low-intensity exercise in the cold. <i>Clinical Journal of Sport Medicine</i> , <b>2012</b> , 22, 505-7	3.2	14
98	Supervised Short-term High-intensity Training on Plasma Irisin Concentrations in Type 2 Diabetic Patients. <i>International Journal of Sports Medicine</i> , <b>2019</b> , 40, 158-164	3.6	13
97	Concentric and Eccentric Endurance Exercise Reverse Hallmarks of T-Cell Senescence in Pre-diabetic Subjects. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 684	4.6	13
96	Effects of snow properties on humans breathing into an artificial air pocket - an experimental field study. <i>Scientific Reports</i> , <b>2017</b> , 7, 17675	4.9	13
95	Influence of Inspiratory Muscle Training on Ventilatory Efficiency and Cycling Performance in Normoxia and Hypoxia. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 133	4.6	13

94	Heart rate and blood pressure responses during hypoxic cycles of a 3-week intermittent hypoxia breathing program in patients at risk for or with mild COPD. <i>International Journal of COPD</i> , <b>2015</b> , 10, 339-45	3	13
93	Acute effects of concentric and eccentric exercise on glucose metabolism and interleukin-6 concentration in healthy males. <i>Biology of Sport</i> , <b>2016</b> , 33, 153-8	4.3	13
92	Differing levels of acute hypoxia do not influence maximal anaerobic power capacity. <i>Wilderness and Environmental Medicine</i> , <b>2015</b> , 26, 78-82	1.4	12
91	Exercise physiology and nutritional perspectives of elite soccer refereeing. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2018</b> , 28, 782-793	4.6	12
90	Anaerobic training in hypoxia: A new approach to stimulate the rating of effort perception. <i>Physiology and Behavior</i> , <b>2016</b> , 163, 37-42	3.5	12
89	A successful therapy of high-altitude pulmonary edema with a CPAP helmet on Lenin Peak. <i>Clinical Journal of Sport Medicine</i> , <b>2009</b> , 19, 72-3	3.2	12
88	Acute effects of concentric and eccentric exercise matched for energy expenditure on glucose metabolism in healthy females: a randomized crossover trial. <i>SpringerPlus</i> , <b>2016</b> , 5, 1455		12
87	Seven Passive 1-h Hypoxia Exposures Do Not Prevent AMS in Susceptible Individuals. <i>Medicine and Science in Sports and Exercise</i> , <b>2016</b> , 48, 2563-2570	1.2	11
86	SpO and Heart Rate During a Real Hike at Altitude Are Significantly Different than at Its Simulation in Normobaric Hypoxia. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 81	4.6	11
85	Influence of Acute Normobaric Hypoxia on Hemostasis in Volunteers with and without Acute Mountain Sickness. <i>BioMed Research International</i> , <b>2015</b> , 2015, 593938	3	11
84	Effects of a single bout of interval hypoxia on cardiorespiratory control in patients with type 1 diabetes. <i>Diabetes</i> , <b>2013</b> , 62, 4220-7	0.9	11
83	Acetazolamide pre-treatment before ascending to high altitudes: when to start?. <i>International Journal of Clinical and Experimental Medicine</i> , <b>2014</b> , 7, 4378-83		11
82	High-altitude cerebral edema: its own entity or end-stage acute mountain sickness?. <i>Journal of Applied Physiology</i> , <b>2021</b> , 131, 313-325	3.7	10
81	Body Water Status and Short-term Maximal Power Output during a Multistage Road Bicycle Race (Giro d'Italia 2014). <i>International Journal of Sports Medicine</i> , <b>2016</b> , 37, 329-33	3.6	10
80	Energy metabolism, liver and kidney function in adolescent marathon runners. <i>European Journal of Clinical Investigation</i> , <b>2016</b> , 46, 27-33	4.6	10
79	Mortality in Different Mountain Sports Activities Primarily Practiced in the Summer Season-A Narrative Review. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	10
78	Impact of a Soccer Game on Cardiac Biomarkers in Adolescent Players. <i>Pediatric Exercise Science</i> , <b>2018</b> , 30, 90-95	2	9
77	Specific exercise testing in judo athletes. <i>Archives of Budo</i> , <b>8</b> , 133-139		9

76	Exercise Performance, Muscle Oxygen Extraction and Blood Cell Mitochondrial Respiration after Repeated-Sprint and Sprint Interval Training in Hypoxia: A Pilot Study. <i>Journal of Sports Science and Medicine</i> , <b>2018</b> , 17, 339-347	2.7	9
75	Rock Climbing Emergencies in the Austrian Alps: Injury Patterns, Risk Analysis and Preventive Measures. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	9
74	Regulation of plasma volume in male lowlanders during 4 days of exposure to hypobaric hypoxia equivalent to 3500m altitude. <i>Journal of Physiology</i> , <b>2021</b> , 599, 1083-1096	3.9	9
73	Changes in hydration status of soccer players competing in the 2008 European Championship. <i>Journal of Sports Medicine and Physical Fitness</i> , <b>2011</b> , 51, 89-94	1.4	9
72	Effect of 3-week high-intensity interval training on VO2max, total haemoglobin mass, plasma and blood volume in well-trained athletes. <i>European Journal of Applied Physiology</i> , <b>2015</b> , 115, 2349-56	3.4	8
71	Mortality in Different Mountain Sports Activities Primarily Practiced in the Winter Season-A Narrative Review. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 17,	4.6	8
70	Race performance and exercise intensity of male amateur mountain runners during a multistage mountain marathon competition are not dependent on muscle strength loss or cardiorespiratory fitness. <i>Journal of Strength and Conditioning Research</i> , <b>2013</b> , 27, 2149-56	3.2	8
69	Effects of a single low-dose acetaminophen on body temperature and running performance in the heat: a pilot project. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , <b>2013</b> , 5, 190-34	3.4	8
68	Adiponectin, Leptin and Visfatin in Hypoxia and its Effect for Weight Loss in Obesity. <i>Frontiers in Endocrinology</i> , <b>2018</b> , 9, 615	5.7	8
67	Suspension syndrome: a potentially fatal vagally mediated circulatory collapse-an experimental randomized crossover trial. <i>European Journal of Applied Physiology</i> , <b>2019</b> , 119, 1353-1365	3.4	7
66	Effect of weekly hiking on cardiovascular risk factors in the elderly. <i>Zeitschrift Fur Gerontologie Und Geriatrie</i> , <b>2015</b> , 48, 150-3	2.7	7
65	Normobaric hypoxia overnight impairs cognitive reaction time. <i>BMC Neuroscience</i> , <b>2017</b> , 18, 43	3.2	7
64	Effects of massage under hypoxic conditions on exercise-induced muscle damage and physical strain indices in professional soccer players. <i>Biology of Sport</i> , <b>2013</b> , 30, 81-3	4.3	7
63	Preexisting cardiovascular diseases among high-altitude mountaineers in the alps. <i>Journal of Travel Medicine</i> , <b>2011</b> , 18, 355-7	12.9	7
62	Physiological basis to climb Mt. Everest in one day. <i>Respiratory Physiology and Neurobiology</i> , <b>2009</b> , 166, 3	2.8	7
61	The Effects of 3 Weeks of Uphill and Downhill Walking on Blood Lipids and Glucose Metabolism in Pre-Diabetic Men: A Pilot Study. <i>Journal of Sports Science and Medicine</i> , <b>2017</b> , 16, 35-43	2.7	7
60	Hypoxia and hypercapnia effects on cerebral oxygen saturation in avalanche burial: A pilot human experimental study. <i>Resuscitation</i> , <b>2021</b> , 158, 175-182	4	7
59	Submaximal exercise testing at low altitude for prediction of exercise tolerance at high altitude. <i>Journal of Travel Medicine</i> , <b>2018</b> , 25,	12.9	6

58	Are Pre-Ascent Low-Altitude Saliva Cortisol Levels Related to the Subsequent Acute Mountain Sickness Score? Observations from a Field Study. <i>High Altitude Medicine and Biology</i> , <b>2019</b> , 20, 337-343	1.9	6
57	Effect of acute and chronic xenon inhalation on erythropoietin, hematological parameters, and athletic performance. <i>Journal of Applied Physiology</i> , <b>2019</b> , 127, 1503-1510	3.7	6
56	Salivary pH increases after jump exercises in hypoxia. <i>Science and Sports</i> , <b>2014</b> , 29, 306-310	0.8	6
55	High cardiorespiratory fitness is more beneficial in pre-diabetic men than women. <i>Clinics</i> , <b>2011</b> , 66, 747-753	5.3	6
54	Effects of short-term antioxidant supplementation on oxidative stress and exercise performance in the heat and the cold. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , <b>2015</b> , 7, 98-104	3.4	6
53	Endothelial function and shear stress in hypobaric hypoxia: time course and impact of plasma volume expansion in men. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2020</b> , 319, H980-H994	5.2	6
52	The "FIFA 11+" injury prevention program improves body stability in child (10 year old) soccer players. <i>Biology of Sport</i> , <b>2018</b> , 35, 153-158	4.3	6
51	Different training responses to eccentric endurance exercise at low and moderate altitudes in pre-diabetic men: a pilot study. <i>Sport Sciences for Health</i> , <b>2017</b> , 13, 615-623	1.3	5
50	Performance Determinants in Short (68 km) and Long (121 km) Mountain Ultra-Marathon Races. <i>Sportverletzung-Sportschaden</i> , <b>2020</b> , 34, 79-83	1.7	5
49	The effect of pulsating electrostatic field application on the development of delayed onset of muscle soreness (DOMS) symptoms after eccentric exercise. <i>Journal of Physical Therapy Science</i> , <b>2015</b> , 27, 3105-7	1	5
48	Effects of antioxidant supplementation on exercise performance in acute normobaric hypoxia. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , <b>2014</b> , 24, 227-35	4.4	5
47	Effects of supervised exercise on gamma-glutamyl transferase levels in patients with isolated impaired fasting glucose and those with impaired fasting glucose plus impaired glucose tolerance. <i>Experimental and Clinical Endocrinology and Diabetes</i> , <b>2012</b> , 120, 445-50	2.3	5
46	Physiological Factors Associated With Declining Repeated Sprint Performance in Hypoxia. <i>Journal of Strength and Conditioning Research</i> , <b>2019</b> , 33, 211-216	3.2	5
45	Influence of structural integration and fascial fitness on body image and the perception of back pain. <i>Journal of Physical Therapy Science</i> , <b>2017</b> , 29, 1010-1013	1	4
44	Safety, hemodynamic effects, and detection of acute xenon inhalation: rationale for banning xenon from sport. <i>Journal of Applied Physiology</i> , <b>2019</b> , 127, 1511-1518	3.7	3
43	Workload efficiency as a new tool to describe external and internal competitive match load of a professional soccer team: A descriptive study on the relationship between pre-game training loads and relative match load. <i>European Journal of Sport Science</i> , <b>2020</b> , 20, 1034-1041	3.9	3
42	A Focused Review on the Maximal Exercise Responses in Hypo- and Normobaric Hypoxia: Divergent Oxygen Uptake and Ventilation Responses. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	3
41	Effects of a Single Power Strength Training Session on Heart Rate Variability When Performed at Different Simulated Altitudes. <i>High Altitude Medicine and Biology</i> , <b>2020</b> , 21, 292-296	1.9	2

40	Metabolic adaptations may counteract ventilatory adaptations of intermittent hypoxic exposure during submaximal exercise at altitudes up to 4000 m. <i>PLoS ONE</i> , <b>2012</b> , 7, e49953	3.7	2
39	Hypoxic training for football players. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2009</b> , 19, 607; author reply 608	4.6	2
38	Hydrometry, Hydration Status, and Performance <b>2017</b> , 49-66		2
37	Does growing up at high altitude pose a risk factor for type 2 diabetes?. <i>AIMS Public Health</i> , <b>2019</b> , 6, 96-98	3.9	2
36	The effect of thermal insulation pads on heat flux, physical effort and perceived exertion during endurance exercise in cool environments. <i>Fashion and Textiles</i> , <b>2018</b> , 5,	2.8	2
35	Effects of Acute Hypoxia on Lactate Thresholds and High-Intensity Endurance Performance-A Pilot Study. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	2
34	Cardiac Biomarkers Following Marathon Running: Is Running Time a Factor for Biomarker Change?. <i>International Journal of Sports Physiology and Performance</i> , <b>2021</b> , 1-8	3.5	2
33	Real time VO2 measurements during soccer match-play. <i>Journal of Sports Medicine and Physical Fitness</i> , <b>2010</b> , 50, 109-10	1.4	2
32	Exercise Capacity of Amateur Mountain Runners and Ski Mountaineers. <i>High Altitude Medicine and Biology</i> , <b>2017</b> , 18, 436-437	1.9	1
31	Impact of Hyperoxic Preconditioning in Normobaric Hypoxia (3500m) on Balance Ability in Highly Skilled Skiers: A Randomized, Crossover Study. <i>International Journal of Sports Physiology and Performance</i> , <b>2019</b> , 14, 934-940	3.5	1
30	Reply - Letter to the editor - Nutritional interventions to modulate haemoglobin-oxygen affinity in COVID-19 patients. <i>Clinical Nutrition</i> , <b>2020</b> , 39, 3842	5.9	1
29	With age a lower individual breathing reserve is associated with a higher maximal heart rate. <i>Respiratory Physiology and Neurobiology</i> , <b>2018</b> , 247, 61-64	2.8	1
28	Effects of Carbon Dioxide and Temperature on the Oxygen-Hemoglobin Dissociation Curve of Human Blood: Implications for Avalanche Victims.. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 808025	4.9	1
27	Changes in Factors Regulating Serum Sodium Homeostasis During Two Ultra-Endurance Mountain Races of Different Distances: 69km vs. 121km. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 764694	4.6	1
26	Response to Berger et al. re: "Are Pre-Ascent Low-Altitude Saliva Cortisol Levels Related to the Subsequent Acute Mountain Sickness Score? Observations From a Field Study". <i>High Altitude Medicine and Biology</i> , <b>2020</b> , 21, 423-424	1.9	1
25	Plasma volume contraction reduces atrial natriuretic peptide after four days of hypobaric hypoxia exposure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2021</b> , 320, R526-R531	3.2	1
24	Bioelectrical Impedance Vector Analysis: A Valuable Tool to Monitor Daily Body Hydration Dynamics at Altitude. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	1
23	Is splenic contraction more pronounced when exercising in hypoxia than normoxia?. <i>European Journal of Applied Physiology</i> , <b>2021</b> , 121, 2369-2370	3.4	1



22	Regarding the article of Lang et al. (2016; 219:27-32) entitled, "Blood pressure response to six-minute walk test in hypertensive subjects exposed to high altitude: Effects of antihypertensive combination treatment". <i>International Journal of Cardiology</i> , <b>2016</b> , 223, 52	3.2	1
21	Can Hyperoxic Preconditioning in Normobaric Hypoxia (3500m) Improve All-Out Exercise Performance in Highly Skilled Skiers? A Randomized Crossover Study. <i>International Journal of Sports Physiology and Performance</i> , <b>2019</b> , 1-8	3.5	1
20	Extreme sports performance for more than a week with severely fractured sleep. <i>Sleep and Breathing</i> , <b>2021</b> , 25, 951-955	3.1	1
19	Body fluid status, plasma volume change and its relationship to physical effort during a multistage professional road cycling race. <i>International Journal of Performance Analysis in Sport</i> , <b>2018</b> , 18, 679-685	1.8	1
18	High-throughput determination of oxygen dissociation curves in a microplate reader-A novel, quantitative approach. <i>Physiological Reports</i> , <b>2021</b> , 9, e14995	2.6	1
17	5-Hydroxymethylfurfural and $\beta$ -ketoglutaric acid supplementation increases oxygen saturation during prolonged exercise in normobaric hypoxia. <i>International Journal for Vitamin and Nutrition Research</i> , <b>2021</b> , 91, 63-68	1.7	1
16	Development of a Self-Administered Questionnaire to Detect Psychosis at High Altitude: The HAPSY Questionnaire. <i>High Altitude Medicine and Biology</i> , <b>2019</b> , 20, 352-360	1.9	0
15	Does Regular Physical Activity Mitigate the Age-Associated Decline in Pulmonary Function?. <i>Sports Medicine</i> , <b>2022</b> , 1	10.6	0
14	Assessment of Human Body Composition Methods and Limitations <b>2017</b> , 13-26		0
13	Venous Pooling in Suspension Syndrome Assessed with Ultrasound. <i>Wilderness and Environmental Medicine</i> , <b>2020</b> , 31, 204-208	1.4	0
12	The interplay of hypoxic and mental stress: implications for anxiety and depressive disorders. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2022</b> , 104718	9	0
11	Safety, Detection and Hemodynamic Effects of Acute Xenon Inhalation. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 838	1.2	
10	Predictive importance of anthropometric and training data in recreational male Ironman triathletes and marathon runners: comment on the study by Gianoli, et al. (2012). <i>Perceptual and Motor Skills</i> , <b>2013</b> , 116, 655-7	2.2	
9	The effects of weekly motivational phone calls on the amount of leisure sports activities and changes in physical fitness <b>2018</b> , 22, 226		
8	Trainingslehre und Steigtaktik beim Bergwandern und Bergsteigen <b>2019</b> , 27-35		
7	Präakklimatisation <b>2019</b> , 397-400		
6	Höentraining <b>2019</b> , 423-431		
5	Trainingslehre und Steigtaktik beim Bergwandern und Bergsteigen <b>2015</b> , 27-35		

- 4 Is it time to revise the acclimatization schedule at high altitude?. *Medical Journal Armed Forces India*, **2020**, 76, 120-121 1.9
- 3 Liver and kidney function in adolescent marathon runners. *European Journal of Clinical Investigation*, **2016**, 46, 205 4.6
- 2 5-Hydroxymethylfurfural and Alpha-Ketoglutaric Acid as an Ergogenic Aid During Intensified Soccer Training: A Placebo Controlled Randomized Study. *Journal of Dietary Supplements*, **2020**, 17, 161-172 2.3
- 1 Extreme sleep fragmentation for 11 consecutive days and nights does not significantly alter total sleep time, and sleep stage distribution, during the continuous alpine downhill skiing world record. *Health Promotion & Physical Activity*, **2021**, 17, 18-24 0.1