Hannes Gatterer

List of Publications by Year in Descending Order

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	Does Regular Physical Activity Mitigate the Age-Associated Decline in Pulmonary Function?. *Sports Medicine*, **2022**, 1	10.6	0
146	The interplay of hypoxic and mental stress: implications for anxiety and depressive disorders. *Neuroscience and Biobehavioral Reviews*, **2022**, 104718	9	0
145	Effects of Carbon Dioxide and Temperature on the Oxygen-Hemoglobin Dissociation Curve of Human Blood: Implications for Avalanche Victims.. *Frontiers in Medicine*, **2021**, 8, 808025	4.9	1
144	Changes in Factors Regulating Serum Sodium Homeostasis During Two Ultra-Endurance Mountain Races of Different Distances: 69km vs. 121km. *Frontiers in Physiology*, **2021**, 12, 764694	4.6	1
143	Plasma volume contraction reduces atrial natriuretic peptide after four days of hypobaric hypoxia exposure. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2021**, 320, R526-R531	3.2	1
142	Bioelectrical Impedance Vector Analysis: A Valuable Tool to Monitor Daily Body Hydration Dynamics at Altitude. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	1
141	Is splenic contraction more pronounced when exercising in hypoxia than normoxia?. *European Journal of Applied Physiology*, **2021**, 121, 2369-2370	3.4	1
140	High-altitude cerebral edema: its own entity or end-stage acute mountain sickness?. *Journal of Applied Physiology*, **2021**, 131, 313-325	3.7	10
139	Modulation of Hb-O affinity to improve hypoxemia in COVID-19 patients. *Clinical Nutrition*, **2021**, 40, 38-39	5.9	15
138	Hypoxia and hypercapnia effects on cerebral oxygen saturation in avalanche burial: A pilot human experimental study. *Resuscitation*, **2021**, 158, 175-182	4	7
137	Regulation of plasma volume in male lowlanders during 4 days of exposure to hypobaric hypoxia equivalent to 3500 m altitude. *Journal of Physiology*, **2021**, 599, 1083-1096	3.9	9
136	Extreme sports performance for more than a week with severely fractured sleep. *Sleep and Breathing*, **2021**, 25, 951-955	3.1	1
135	Effects of Acute Hypoxia on Lactate Thresholds and High-Intensity Endurance Performance-A Pilot Study. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	2
134	High-throughput determination of oxygen dissociation curves in a microplate reader-A novel, quantitative approach. *Physiological Reports*, **2021**, 9, e14995	2.6	1
133	Cardiac Biomarkers Following Marathon Running: Is Running Time a Factor for Biomarker Change?. *International Journal of Sports Physiology and Performance*, **2021**, 1-8	3.5	2
132	5-Hydroxymethylfurfural and ketoglutaric acid supplementation increases oxygen saturation during prolonged exercise in normobaric hypoxia. *International Journal for Vitamin and Nutrition Research*, **2021**, 91, 63-68	1.7	1
131	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	

130	Reply - Letter to the editor - Nutritional interventions to modulate haemoglobin-oxygen affinity in COVID-19 patients. *Clinical Nutrition*, **2020**, 39, 3842	5.9	1
129	Effects of a Single Power Strength Training Session on Heart Rate Variability When Performed at Different Simulated Altitudes. *High Altitude Medicine and Biology*, **2020**, 21, 292-296	1.9	2
128	Performance Determinants in Short (68 km) and Long (121 km) Mountain Ultra-Marathon Races. *Sportverletzung-Sportschaden*, **2020**, 34, 79-83	1.7	5
127	Is it time to revise the acclimatization schedule at high altitude?. *Medical Journal Armed Forces India* , **2020**, 76, 120-121	1.9	
126	Venous Pooling in Suspension Syndrome Assessed with Ultrasound. *Wilderness and Environmental Medicine*, **2020**, 31, 204-208	1.4	0
125	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. *European Journal of Sport Science*, **2020**, 20, 1034-1041	3.9	3
124	A Focused Review on the Maximal Exercise Responses in Hypo- and Normobaric Hypoxia: Divergent Oxygen Uptake and Ventilation Responses. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	3
123	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". *High Altitude Medicine and Biology*, **2020**, 21, 423-424	1.9	1
122	Rock Climbing Emergencies in the Austrian Alps: Injury Patterns, Risk Analysis and Preventive Measures. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	9
121	Endothelial function and shear stress in hypobaric hypoxia: time course and impact of plasma volume expansion in men. *American Journal of Physiology - Heart and Circulatory Physiology*, **2020**, 319, H980-H994	5.2	6
120	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	
119	Development of a Self-Administered Questionnaire to Detect Psychosis at High Altitude: The HAPSY Questionnaire. *High Altitude Medicine and Biology*, **2019**, 20, 352-360	1.9	0
118	Impact of Hyperoxic Preconditioning in Normobaric Hypoxia (3500 m) on Balance Ability in Highly Skilled Skiers: A Randomized, Crossover Study. *International Journal of Sports Physiology and Performance*, **2019**, 14, 934-940	3.5	1
117	Supervised Short-term High-intensity Training on Plasma Irisin Concentrations in Type 2 Diabetic Patients. *International Journal of Sports Medicine*, **2019**, 40, 158-164	3.6	13
116	Stabilizing Bioimpedance-Vector-Analysis Measures With a 10-Minute Cold Shower After Running Exercise to Enable Assessment of Body Hydration. *International Journal of Sports Physiology and Performance*, **2019**, 14, 1006-1009	3.5	18
115	Concentric and Eccentric Endurance Exercise Reverse Hallmarks of T-Cell Senescence in Pre-diabetic Subjects. *Frontiers in Physiology*, **2019**, 10, 684	4.6	13
114	Body Composition and Body Weight Changes at Different Altitude Levels: A Systematic Review and Meta-Analysis. *Frontiers in Physiology*, **2019**, 10, 430	4.6	25
113	Physiological Responses in Humans Acutely Exposed to High Altitude (3480 m): Minute Ventilation and Oxygenation Are Predictive for the Development of Acute Mountain Sickness. *High Altitude Medicine and Biology*, **2019**, 20, 192-197	1.9	17

112	Suspension syndrome: a potentially fatal vagally mediated circulatory collapse-an experimental randomized crossover trial. *European Journal of Applied Physiology*, **2019**, 119, 1353-1365	3.4	7
111	Mortality in Different Mountain Sports Activities Primarily Practiced in the Winter Season-A Narrative Review. *International Journal of Environmental Research and Public Health*, **2019**, 17,	4.6	8
110	Safety, hemodynamic effects, and detection of acute xenon inhalation: rationale for banning xenon from sport. *Journal of Applied Physiology*, **2019**, 127, 1511-1518	3.7	3
109	Are Pre-Ascent Low-Altitude Saliva Cortisol Levels Related to the Subsequent Acute Mountain Sickness Score? Observations from a Field Study. *High Altitude Medicine and Biology*, **2019**, 20, 337-343	1.9	6
108	Effect of acute and chronic xenon inhalation on erythropoietin, hematological parameters, and athletic performance. *Journal of Applied Physiology*, **2019**, 127, 1503-1510	3.7	6
107	Does growing up at high altitude pose a risk factor for type 2 diabetes?. *AIMS Public Health*, **2019**, 6, 96-98	2.9	2
106	Trainingslehre und Steigtaktik beim Bergwandern und Bergsteigen **2019**, 27-35		
105	Pr□kklimatisation **2019**, 397-400		
104	H□entraining **2019**, 423-431		
103	Mortality in Different Mountain Sports Activities Primarily Practiced in the Summer Season-A Narrative Review. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	10
102	Classic Bioelectrical Impedance Vector Reference Values for Assessing Body Composition in Male and Female Athletes. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	29
101	Physiological Factors Associated With Declining Repeated Sprint Performance in Hypoxia. *Journal of Strength and Conditioning Research*, **2019**, 33, 211-216	3.2	5
100	Can Hyperoxic Preconditioning in Normobaric Hypoxia (3500□m) Improve All-Out Exercise Performance in Highly Skilled Skiers? A Randomized Crossover Study. *International Journal of Sports Physiology and Performance*, **2019**, 1-8	3.5	1
99	Bioimpedance patterns and bioelectrical impedance vector analysis (BIVA) of road cyclists. *Journal of Sports Sciences*, **2018**, 36, 2608-2613	3.6	31
98	Submaximal exercise testing at low altitude for prediction of exercise tolerance at high altitude. *Journal of Travel Medicine*, **2018**, 25,	12.9	6
97	Impact of a Soccer Game on Cardiac Biomarkers in Adolescent Players. *Pediatric Exercise Science*, **2018**, 30, 90-95	2	9
96	Exercise physiology and nutritional perspectives of elite soccer refereeing. *Scandinavian Journal of Medicine and Science in Sports*, **2018**, 28, 782-793	4.6	12
95	With age a lower individual breathing reserve is associated with a higher maximal heart rate. *Respiratory Physiology and Neurobiology*, **2018**, 247, 61-64	2.8	1

94	Extreme Terrestrial Environments: Life in Thermal Stress and Hypoxia. A Narrative Review. *Frontiers in Physiology*, **2018**, 9, 572	4.6	33
93	Exercise Performance, Muscle Oxygen Extraction and Blood Cell Mitochondrial Respiration after Repeated-Sprint and Sprint Interval Training in Hypoxia: A Pilot Study. *Journal of Sports Science and Medicine*, **2018**, 17, 339-347	2.7	9
92	The effects of weekly motivational phone calls on the amount of leisure sports activities and changes in physical fitness **2018**, 22, 226		
91	The effect of thermal insulation pads on heat flux, physical effort and perceived exertion during endurance exercise in cool environments. *Fashion and Textiles*, **2018**, 5,	2.8	2
90	Adiponectin, Leptin and Visfatin in Hypoxia and its Effect for Weight Loss in Obesity. *Frontiers in Endocrinology*, **2018**, 9, 615	5.7	8
89	Body fluid status, plasma volume change and its relationship to physical effort during a multistage professional road cycling race. *International Journal of Performance Analysis in Sport*, **2018**, 18, 679-685	1.8	1
88	The "FIFA 11+" injury prevention program improves body stability in child (10 year old) soccer players. *Biology of Sport*, **2018**, 35, 153-158	4.3	6
87	Right ventricle dimensions and function in response to acute hypoxia in healthy human subjects. *Acta Physiologica*, **2017**, 219, 478-485	5.6	14
86	Effect of Qigong exercise on cognitive function, blood pressure and cardiorespiratory fitness in healthy middle-aged subjects. *Complementary Therapies in Medicine*, **2017**, 33, 39-45	3.5	21
85	Exercise Capacity of Amateur Mountain Runners and Ski Mountaineers. *High Altitude Medicine and Biology*, **2017**, 18, 436-437	1.9	1
84	Different training responses to eccentric endurance exercise at low and moderate altitudes in pre-diabetic men: a pilot study. *Sport Sciences for Health*, **2017**, 13, 615-623	1.3	5
83	Influence of structural integration and fascial fitness on body image and the perception of back pain. *Journal of Physical Therapy Science*, **2017**, 29, 1010-1013	1	4
82	Safety, Detection and Hemodynamic Effects of Acute Xenon Inhalation. *Medicine and Science in Sports and Exercise*, **2017**, 49, 838	1.2	
81	Normobaric hypoxia overnight impairs cognitive reaction time. *BMC Neuroscience*, **2017**, 18, 43	3.2	7
80	Effects of snow properties on humans breathing into an artificial air pocket - an experimental field study. *Scientific Reports*, **2017**, 7, 17675	4.9	13
79	SpO and Heart Rate During a Real Hike at Altitude Are Significantly Different than at Its Simulation in Normobaric Hypoxia. *Frontiers in Physiology*, **2017**, 8, 81	4.6	11
78	Influence of Inspiratory Muscle Training on Ventilatory Efficiency and Cycling Performance in Normoxia and Hypoxia. *Frontiers in Physiology*, **2017**, 8, 133	4.6	13
77	Endurance Training in Normobaric Hypoxia Imposes Less Physical Stress for Geriatric Rehabilitation. *Frontiers in Physiology*, **2017**, 8, 514	4.6	15

76	Hydrometry, Hydration Status, and Performance **2017**, 49-66		2
75	The Effects of 3 Weeks of Uphill and Downhill Walking on Blood Lipids and Glucose Metabolism in Pre-Diabetic Men: A Pilot Study. *Journal of Sports Science and Medicine*, **2017**, 16, 35-43	2.7	7
74	Assessment of Human Body Composition Methods and Limitations **2017**, 13-26		0
73	Seven Passive 1-h Hypoxia Exposures Do Not Prevent AMS in Susceptible Individuals. *Medicine and Science in Sports and Exercise*, **2016**, 48, 2563-2570	1.2	11
72	Anaerobic training in hypoxia: A new approach to stimulate the rating of effort perception. *Physiology and Behavior*, **2016**, 163, 37-42	3.5	12
71	The influence of dental occlusion on the body balance in unstable platform increases after high intensity exercise. *Neuroscience Letters*, **2016**, 617, 116-21	3.3	17
70	Effects of Exhaustive Aerobic Exercise on Tryptophan-Kynurenine Metabolism in Trained Athletes. *PLoS ONE*, **2016**, 11, e0153617	3.7	59
69	Acute effects of concentric and eccentric exercise on glucose metabolism and interleukin-6 concentration in healthy males. *Biology of Sport*, **2016**, 33, 153-8	4.3	13
68	Acute effects of concentric and eccentric exercise matched for energy expenditure on glucose metabolism in healthy females: a randomized crossover trial. *SpringerPlus*, **2016**, 5, 1455		12
67	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. *Nutrients*, **2016**, 8,	6.7	60
66	Liver and kidney function in adolescent marathon runners. *European Journal of Clinical Investigation* , **2016**, 46, 205	4.6	
65	Body fluid status and physical demand during the Giro dRtalia. *Research in Sports Medicine*, **2016**, 24, 30-8	3.8	17
64	Body Water Status and Short-term Maximal Power Output during a Multistage Road Bicycle Race (Giro dRtalia 2014). *International Journal of Sports Medicine*, **2016**, 37, 329-33	3.6	10
63	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". *International Journal of Cardiology*, **2016**, 223, 52	3.2	1
62	Energy metabolism, liver and kidney function in adolescent marathon runners. *European Journal of Clinical Investigation*, **2016**, 46, 27-33	4.6	10
61	Effect of 3-week high-intensity interval training on VO2max, total haemoglobin mass, plasma and blood volume in well-trained athletes. *European Journal of Applied Physiology*, **2015**, 115, 2349-56	3.4	8
60	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. *Obesity Facts*, **2015**, 8, 200-9	5.1	37
59	Effects of a 12-day maximal shuttle-run shock microcycle in hypoxia on soccer specific performance and oxidative stress. *Applied Physiology, Nutrition and Metabolism*, **2015**, 40, 842-5	3	14

58	Differing levels of acute hypoxia do not influence maximal anaerobic power capacity. *Wilderness and Environmental Medicine*, **2015**, 26, 78-82	1.4	12
57	Cardiorespiratory Fitness of High Altitude Mountaineers: The Underestimated Prerequisite. *High Altitude Medicine and Biology*, **2015**, 16, 169-70	1.9	15
56	Effect of weekly hiking on cardiovascular risk factors in the elderly. *Zeitschrift Fur Gerontologie Und Geriatrie*, **2015**, 48, 150-3	2.7	7
55	The effect of pulsating electrostatic field application on the development of delayed onset of muscle soreness (DOMS) symptoms after eccentric exercise. *Journal of Physical Therapy Science*, **2015**, 27, 3105-7	1	5
54	Dental Occlusion Influences the Standing Balance on an Unstable Platform. *Motor Control*, **2015**, 19, 341-54	1.3	20
53	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. *International Journal of COPD*, **2015**, 10, 339-45	3	13
52	Hypoxia, Oxidative Stress and Fat. *Biomolecules*, **2015**, 5, 1143-50	5.9	59
51	Influence of Acute Normobaric Hypoxia on Hemostasis in Volunteers with and without Acute Mountain Sickness. *BioMed Research International*, **2015**, 2015, 593938	3	11
50	Effects of short-term antioxidant supplementation on oxidative stress and exercise performance in the heat and the cold. *International Journal of Physiology, Pathophysiology and Pharmacology*, **2015**, 7, 98-104	3.4	6
49	Trainingslehre und Steigtaktik beim Bergwandern und Bergsteigen **2015**, 27-35		
48	Changes in hydration, body-cell mass and endurance performance of professional soccer players through a competitive season. *Journal of Sports Medicine and Physical Fitness*, **2015**, 55, 749-55	1.4	22
47	Bioimpedance and impedance vector patterns as predictors of league level in male soccer players. *International Journal of Sports Physiology and Performance*, **2014**, 9, 532-9	3.5	58
46	Effects of antioxidant supplementation on exercise performance in acute normobaric hypoxia. *International Journal of Sport Nutrition and Exercise Metabolism*, **2014**, 24, 227-35	4.4	5
45	Salivary pH increases after jump exercises in hypoxia. *Science and Sports*, **2014**, 29, 306-310	0.8	6
44	Symptom progression in acute mountain sickness during a 12-hour exposure to normobaric hypoxia equivalent to 4500 m. *High Altitude Medicine and Biology*, **2014**, 15, 446-51	1.9	16
43	Resting arterial oxygen saturation and breathing frequency as predictors for acute mountain sickness development: a prospective cohort study. *Sleep and Breathing*, **2014**, 18, 669-74	3.1	29
42	Bioimpedance identifies body fluid loss after exercise in the heat: a pilot study with body cooling. *PLoS ONE*, **2014**, 9, e109729	3.7	36
41	Shuttle-run sprint training in hypoxia for youth elite soccer players: a pilot study. *Journal of Sports Science and Medicine*, **2014**, 13, 731-5	2.7	28

40	Acetazolamide pre-treatment before ascending to high altitudes: when to start?. *International Journal of Clinical and Experimental Medicine*, **2014**, 7, 4378-83		11
39	Effects of a single bout of interval hypoxia on cardiorespiratory control and blood glucose in patients with type 2 diabetes. *Diabetes Care*, **2013**, 36, 2183-9	14.6	24
38	Predictive importance of anthropometric and training data in recreational male Ironman triathletes and marathon runners: comment on the study by Gianoli, et al. (2012). *Perceptual and Motor Skills*, **2013**, 116, 655-7	2.2	
37	Effects of a single bout of interval hypoxia on cardiorespiratory control in patients with type 1 diabetes. *Diabetes*, **2013**, 62, 4220-7	0.9	11
36	Hypoxia-related altitude illnesses. *Journal of Travel Medicine*, **2013**, 20, 247-55	12.9	66
35	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. *Journal of Strength and Conditioning Research*, **2013**, 27, 2149-56	3.2	8
34	Plasma electrolyte and hematological changes after marathon running in adolescents. *Medicine and Science in Sports and Exercise*, **2013**, 45, 1182-7	1.2	15
33	Effects of massage under hypoxic conditions on exercise-induced muscle damage and physical strain indices in professional soccer players. *Biology of Sport*, **2013**, 30, 81-3	4.3	7
32	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. *International Journal of Sports Medicine*, **2013**, 34, 1-7	3.6	26
31	Association between body water status and acute mountain sickness. *PLoS ONE*, **2013**, 8, e73185	3.7	24
30	Effects of a single low-dose acetaminophen on body temperature and running performance in the heat: a pilot project. *International Journal of Physiology, Pathophysiology and Pharmacology*, **2013**, 5, 190-3	3.4	8
29	Short-term intermittent hypoxia reduces the severity of acute mountain sickness. *Scandinavian Journal of Medicine and Science in Sports*, **2012**, 22, e79-85	4.6	26
28	Cardiac troponins in young marathon runners. *American Journal of Cardiology*, **2012**, 110, 594-8	3	25
27	Metabolic adaptations may counteract ventilatory adaptations of intermittent hypoxic exposure during submaximal exercise at altitudes up to 4000 m. *PLoS ONE*, **2012**, 7, e49953	3.7	2
26	Short-term exposure to hypoxia for work and leisure activities in health and disease: which level of hypoxia is safe?. *Sleep and Breathing*, **2012**, 16, 435-42	3.1	21
25	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. *International Journal of Sports Medicine*, **2012**, 33, 186-91	3.6	20
24	Effects of lightweight outdoor clothing on the prevention of hypothermia during low-intensity exercise in the cold. *Clinical Journal of Sport Medicine*, **2012**, 22, 505-7	3.2	14
23	Leg dominance is a risk factor for noncontact anterior cruciate ligament injuries in female recreational skiers. *American Journal of Sports Medicine*, **2012**, 40, 1269-73	6.8	58

22	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. *Experimental and Clinical Endocrinology and Diabetes*, **2012**, 120, 445-50	2.3	5
21	Effects of the performance level and the FIFA "11" injury prevention program on the injury rate in Italian male amateur soccer players. *Journal of Sports Medicine and Physical Fitness*, **2012**, 52, 80-4	1.4	19
20	High cardiorespiratory fitness is more beneficial in pre-diabetic men than women. *Clinics*, **2011**, 66, 747-51	2.3	6
19	Ski mountaineering competition: fit for it?. *Clinical Journal of Sport Medicine*, **2011**, 21, 114-8	3.2	20
18	Preexisting cardiovascular diseases among high-altitude mountaineers in the alps. *Journal of Travel Medicine*, **2011**, 18, 355-7	12.9	7
17	Changes in hydration status of soccer players competing in the 2008 European Championship. *Journal of Sports Medicine and Physical Fitness*, **2011**, 51, 89-94	1.4	9
16	Factors associated with self-reported risk-taking behaviour on ski slopes. *British Journal of Sports Medicine*, **2010**, 44, 204-6	10.3	59
15	Intermittent hypoxia does not affect endurance performance at moderate altitude in well-trained athletes. *Journal of Sports Sciences*, **2010**, 28, 513-9	3.6	17
14	Effects of intermittent hypoxia on running economy. *International Journal of Sports Medicine*, **2010**, 31, 644-50	3.6	14
13	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. *Clinical Journal of Sport Medicine*, **2010**, 20, 47-52	3.2	24
12	Effects of interval hypoxia on exercise tolerance: special focus on patients with CAD or COPD. *Sleep and Breathing*, **2010**, 14, 209-20	3.1	22
11	Real time VO2 measurements during soccer match-play. *Journal of Sports Medicine and Physical Fitness*, **2010**, 50, 109-10	1.4	2
10	Intermittent hypoxia increases exercise tolerance in patients at risk for or with mild COPD. *Respiratory Physiology and Neurobiology*, **2009**, 165, 97-103	2.8	49
9	Physiological basis to climb Mt. Everest in one day. *Respiratory Physiology and Neurobiology*, **2009**, 166, 3	2.8	7
8	Hypoxic training for football players. *Scandinavian Journal of Medicine and Science in Sports*, **2009**, 19, 607; author reply 608	4.6	2
7	Supervised exercise in patients with impaired fasting glucose: impact on exercise capacity. *Clinical Journal of Sport Medicine*, **2009**, 19, 394-8	3.2	18
6	A successful therapy of high-altitude pulmonary edema with a CPAP helmet on Lenin Peak. *Clinical Journal of Sport Medicine*, **2009**, 19, 72-3	3.2	12
5	Interval hypoxic training improves autonomic cardiovascular and respiratory control in patients with mild chronic obstructive pulmonary disease. *Journal of Hypertension*, **2009**, 27, 1648-54	1.9	51

4	Effects of modern ski equipment on the overall injury rate and the pattern of injury location in Alpine skiing. *American Journal of Therapeutics*, **2008**, 18, 355-7	1	102
3	Preacclimatization in simulated altitudes. *Sleep and Breathing*, **2008**, 12, 109-14	3.1	37
2	Prevalence of cardiovascular diseases among alpine skiers and hikers in the Austrian Alps. *High Altitude Medicine and Biology*, **2007**, 8, 245-52	1.9	39
1	Specific exercise testing in judo athletes. *Archives of Budo*,8, 133-139		9