

Gregoire P Millet

List of Publications by Citations

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

387 papers	8,755 citations	50 h-index	71 g-index
427 ext. papers	10,839 ext. citations	4.4 avg, IF	6.65 L-index

#	Paper	IF	Citations
387	Combining hypoxic methods for peak performance. <i>Sports Medicine</i> , 2010 , 40, 1-25	10.6	213
386	The 2018 Lake Louise Acute Mountain Sickness Score. <i>High Altitude Medicine and Biology</i> , 2018 , 19, 4-6	1.9	171
385	Physiological differences between cycling and running: lessons from triathletes. <i>Sports Medicine</i> , 2009 , 39, 179-206	10.6	157
384	Significant molecular and systemic adaptations after repeated sprint training in hypoxia. <i>PLoS ONE</i> , 2013 , 8, e56522	3.7	155
383	Effects of concurrent endurance and strength training on running economy and .VO(2) kinetics. <i>Medicine and Science in Sports and Exercise</i> , 2002 , 34, 1351-9	1.2	140
382	Supramaximal training and postexercise parasympathetic reactivation in adolescents. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, 362-71	1.2	139
381	Point: Hypobaric hypoxia induces different physiological responses from normobaric hypoxia. <i>Journal of Applied Physiology</i> , 2012 , 112, 1783-4	3.7	124
380	International Olympic Committee consensus statement on thermoregulatory and altitude challenges for high-level athletes. <i>British Journal of Sports Medicine</i> , 2012 , 46, 770-9	10.3	117
379	Effects of intra-session concurrent endurance and strength training sequence on aerobic performance and capacity. <i>British Journal of Sports Medicine</i> , 2005 , 39, 555-60	10.3	104
378	Specific aspects of contemporary triathlon: implications for physiological analysis and performance. <i>Sports Medicine</i> , 2002 , 32, 345-59	10.6	101
377	Advancing hypoxic training in team sports: from intermittent hypoxic training to repeated sprint training in hypoxia. <i>British Journal of Sports Medicine</i> , 2013 , 47 Suppl 1, i45-50	10.3	94
376	Does 'altitude training' increase exercise performance in elite athletes?. <i>British Journal of Sports Medicine</i> , 2012 , 46, 792-5	10.3	92
375	Ventilation, oxidative stress, and nitric oxide in hypobaric versus normobaric hypoxia. <i>Medicine and Science in Sports and Exercise</i> , 2013 , 45, 253-60	1.2	90
374	Challenging a dogma of exercise physiology: does an incremental exercise test for valid VO 2 max determination really need to last between 8 and 12 minutes?. <i>Sports Medicine</i> , 2008 , 38, 441-7	10.6	90
373	Effects of Repeated-Sprint Training in Hypoxia on Sea-Level Performance: A Meta-Analysis. <i>Sports Medicine</i> , 2017 , 47, 1651-1660	10.6	84
372	Alterations of Neuromuscular Function after the World's Most Challenging Mountain Ultra-Marathon. <i>PLoS ONE</i> , 2013 , 8, e65596	3.7	84
371	Relationship between oxygen uptake kinetics and performance in repeated running sprints. <i>European Journal of Applied Physiology</i> , 2005 , 95, 27-34	3.4	84

370	Cardiorespiratory responses during running and sport-specific exercises in handball players. <i>Journal of Science and Medicine in Sport</i> , 2009 , 12, 399-405	4.4	80
369	Physiological and biomechanical adaptations to the cycle to run transition in Olympic triathlon: review and practical recommendations for training. <i>British Journal of Sports Medicine</i> , 2000 , 34, 384-90	10.3	80
368	(Indoor) isolation, stress, and physical inactivity: Vicious circles accelerated by COVID-19?. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020 , 30, 1544-1545	4.6	79
367	Apparent Diffusion coefficient (ADC), T1 and T2 quantitative indexes of the myocardium in athletes before, during and after extreme mountain ultra-marathon: correlation with myocardial damages and inflammation biomarkers. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016 , 18, O41	6.9	78
366	Physical determinants of tennis performance in competitive teenage players. <i>Journal of Strength and Conditioning Research</i> , 2009 , 23, 1867-72	3.2	75
365	Changes in spring-mass model characteristics during repeated running sprints. <i>European Journal of Applied Physiology</i> , 2011 , 111, 125-34	3.4	73
364	Changes in exercise characteristics, maximal voluntary contraction, and explosive strength during prolonged tennis playing. <i>British Journal of Sports Medicine</i> , 2006 , 40, 521-6	10.3	72
363	Pacing during an elite Olympic distance triathlon: comparison between male and female competitors. <i>Journal of Science and Medicine in Sport</i> , 2008 , 11, 424-32	4.4	71
362	Cardiorespiratory and cardiac autonomic responses to 30-15 intermittent fitness test in team sport players. <i>Journal of Strength and Conditioning Research</i> , 2009 , 23, 93-100	3.2	69
361	Ultramarathon is an outstanding model for the study of adaptive responses to extreme load and stress. <i>BMC Medicine</i> , 2012 , 10, 77	11.4	68
360	Conceptual framework for strengthening exercises to prevent hamstring strains. <i>Sports Medicine</i> , 2013 , 43, 1207-15	10.6	67
359	Effects of Altitude/Hypoxia on Single- and Multiple-Sprint Performance: A Comprehensive Review. <i>Sports Medicine</i> , 2017 , 47, 1931-1949	10.6	66
358	Monitoring Fatigue Status with HRV Measures in Elite Athletes: An Avenue Beyond RMSSD?. <i>Frontiers in Physiology</i> , 2015 , 6, 343	4.6	66
357	Living high-training low: effect on erythropoiesis and aerobic performance in highly-trained swimmers. <i>European Journal of Applied Physiology</i> , 2006 , 96, 423-33	3.4	66
356	Lower-limb activity during the power serve in tennis: effects of performance level. <i>Medicine and Science in Sports and Exercise</i> , 2005 , 37, 1021-9	1.2	66
355	Effects of intermittent hypoxic training on cycling performance in well-trained athletes. <i>European Journal of Applied Physiology</i> , 2007 , 101, 359-68	3.4	65
354	Fatigue shifts and scatters heart rate variability in elite endurance athletes. <i>PLoS ONE</i> , 2013 , 8, e71588	3.7	65
353	Hypoxia-Induced Oxidative Stress Modulation with Physical Activity. <i>Frontiers in Physiology</i> , 2017 , 8, 84	4.6	64

352	Modelling the transfers of training effects on performance in elite triathletes. <i>International Journal of Sports Medicine</i> , 2002 , 23, 55-63	3.6	60
351	Effects of dry-land vs. resisted- and assisted-sprint exercises on swimming sprint performances. <i>Journal of Strength and Conditioning Research</i> , 2007 , 21, 599-605	3.2	60
350	Therapeutic Use of Exercising in Hypoxia: Promises and Limitations. <i>Frontiers in Physiology</i> , 2016 , 7, 224	4.6	60
349	Fructose and glucose co-ingestion during prolonged exercise increases lactate and glucose fluxes and oxidation compared with an equimolar intake of glucose. <i>American Journal of Clinical Nutrition</i> , 2010 , 92, 1071-9	7	59
348	Effects of hypoxic interval training on cycling performance. <i>Medicine and Science in Sports and Exercise</i> , 2005 , 37, 138-46	1.2	59
347	"Live High-Train Low and High" Hypoxic Training Improves Team-Sport Performance. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 2140-9	1.2	58
346	Neuromuscular fatigue during a prolonged intermittent exercise: Application to tennis. <i>Journal of Electromyography and Kinesiology</i> , 2008 , 18, 1038-46	2.5	58
345	Effects of the playing surface on plantar pressures and potential injuries in tennis. <i>British Journal of Sports Medicine</i> , 2007 , 41, 733-8	10.3	57
344	Influence of "living high-training low" on aerobic performance and economy of work in elite athletes. <i>European Journal of Applied Physiology</i> , 2006 , 97, 627-36	3.4	56
343	Front-crawl instantaneous velocity estimation using a wearable inertial measurement unit. <i>Sensors</i> , 2012 , 12, 12927-39	3.8	55
342	High-intensity intermittent training in hypoxia: a double-blinded, placebo-controlled field study in youth football players. <i>Journal of Strength and Conditioning Research</i> , 2015 , 29, 226-37	3.2	54
341	Repeated double-poling sprint training in hypoxia by competitive cross-country skiers. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 809-17	1.2	53
340	Effects of increased intensity of intermittent training in runners with differing VO2 kinetics. <i>European Journal of Applied Physiology</i> , 2003 , 90, 50-7	3.4	52
339	Specific incremental field test for aerobic fitness in tennis. <i>British Journal of Sports Medicine</i> , 2006 , 40, 791-6	10.3	51
338	Coordination pattern variability provides functional adaptations to constraints in swimming performance. <i>Sports Medicine</i> , 2014 , 44, 1333-45	10.6	49
337	Minimal Window Duration for Accurate HRV Recording in Athletes. <i>Frontiers in Neuroscience</i> , 2017 , 11, 456	5.1	49
336	Faster oxygen uptake kinetics during recovery is related to better repeated sprinting ability. <i>European Journal of Applied Physiology</i> , 2010 , 110, 627-34	3.4	49
335	Influence of the world's most challenging mountain ultra-marathon on energy cost and running mechanics. <i>European Journal of Applied Physiology</i> , 2014 , 114, 929-39	3.4	48

334	Killing time: drug and alcohol problems among asylum seekers in the Netherlands. <i>International Journal of Drug Policy</i> , 2005 , 16, 27-36	5.5	48
333	VO2 responses to different intermittent runs at velocity associated with VO2max. <i>Applied Physiology, Nutrition, and Metabolism</i> , 2003 , 28, 410-23		47
332	Specificity of VO2MAX and the ventilatory threshold in free swimming and cycle ergometry: comparison between triathletes and swimmers. <i>British Journal of Sports Medicine</i> , 2005 , 39, 965-8	10.3	45
331	Automatic front-crawl temporal phase detection using adaptive filtering of inertial signals. <i>Journal of Sports Sciences</i> , 2013 , 31, 1251-60	3.6	44
330	Level ground and uphill cycling efficiency in seated and standing positions. <i>Medicine and Science in Sports and Exercise</i> , 2002 , 34, 1645-52	1.2	44
329	Relationships between anthropometric measures and athletic performance, with special reference to repeated-sprint ability, in the Qatar national soccer team. <i>Journal of Sports Sciences</i> , 2014 , 32, 1243-54	2.6	43
328	Coordination in front crawl in elite triathletes and elite swimmers. <i>International Journal of Sports Medicine</i> , 2002 , 23, 99-104	3.6	43
327	Neuro-mechanical and metabolic adjustments to the repeated anaerobic sprint test in professional football players. <i>European Journal of Applied Physiology</i> , 2015 , 115, 891-903	3.4	42
326	Assessing the limitations of the Banister model in monitoring training. <i>Journal of Sports Sciences</i> , 2006 , 24, 509-20	3.6	42
325	Physiological characteristics of elite short- and long-distance triathletes. <i>European Journal of Applied Physiology</i> , 2003 , 88, 427-30	3.4	42
324	Effect of two drafting modalities in cycling on running performance. <i>Medicine and Science in Sports and Exercise</i> , 2001 , 33, 485-92	1.2	42
323	Alterations in running economy and mechanics after maximal cycling in triathletes: influence of performance level. <i>International Journal of Sports Medicine</i> , 2000 , 21, 127-32	3.6	42
322	Hamstring Architectural and Functional Adaptations Following Long vs. Short Muscle Length Eccentric Training. <i>Frontiers in Physiology</i> , 2016 , 7, 340	4.6	42
321	Typology of "Fatigue" by Heart Rate Variability Analysis in Elite Nordic-skiers. <i>International Journal of Sports Medicine</i> , 2015 , 36, 999-1007	3.6	41
320	Similar Hemoglobin Mass Response in Hypobaric and Normobaric Hypoxia in Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 734-41	1.2	40
319	Shear-Wave Elastography Assessments of Quadriceps Stiffness Changes prior to, during and after Prolonged Exercise: A Longitudinal Study during an Extreme Mountain Ultra-Marathon. <i>PLoS ONE</i> , 2016 , 11, e0161855	3.7	40
318	Repeated sprinting on natural grass impairs vertical stiffness but does not alter plantar loading in soccer players. <i>European Journal of Applied Physiology</i> , 2011 , 111, 2547-55	3.4	39
317	Mitochondria: In the Cross Fire of SARS-CoV-2 and Immunity. <i>IScience</i> , 2020 , 23, 101631	6.1	39

316	Defining Off-road Running: A Position Statement from the Ultra Sports Science Foundation. <i>International Journal of Sports Medicine</i> , 2020 , 41, 275-284	3.6	38
315	Neuromuscular fatigue in racquet sports. <i>Physical Medicine and Rehabilitation Clinics of North America</i> , 2009 , 20, 161-73, ix	2.3	38
314	Heart-rate deflection point and the second heart-rate variability threshold during running exercise in trained boys. <i>Pediatric Exercise Science</i> , 2007 , 19, 192-204	2	38
313	Influence of hip-flexion angle on hamstrings isokinetic activity in sprinters. <i>Journal of Athletic Training</i> , 2012 , 47, 390-5	4	37
312	Effects of intermittent hypoxic training on amino and fatty acid oxidative combustion in human permeabilized muscle fibers. <i>Journal of Applied Physiology</i> , 2007 , 102, 79-86	3.7	37
311	Specific incremental test in elite squash players. <i>British Journal of Sports Medicine</i> , 2005 , 39, 921-6	10.3	37
310	Position statement--altitude training for improving team-sport players' performance: current knowledge and unresolved issues. <i>British Journal of Sports Medicine</i> , 2013 , 47 Suppl 1, i8-16	10.3	36
309	Neuromuscular fatigue in racquet sports. <i>Neurologic Clinics</i> , 2008 , 26, 181-94; x	4.5	36
308	The physiological responses to running after cycling in elite junior and senior triathletes. <i>International Journal of Sports Medicine</i> , 2004 , 25, 191-7	3.6	36
307	Changes in running mechanics and spring-mass behaviour induced by a 5-hour hilly running bout. <i>Journal of Sports Sciences</i> , 2013 , 31, 299-304	3.6	35
306	Moderate exercise blunts oxidative stress induced by normobaric hypoxic confinement. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 33-41	1.2	34
305	Nutrition for distance events. <i>Journal of Sports Sciences</i> , 2007 , 25 Suppl 1, S29-38	3.6	33
304	Running Mechanics During the World's Most Challenging Mountain Ultramarathon. <i>International Journal of Sports Physiology and Performance</i> , 2016 , 11, 608-14	3.5	33
303	Accurate Estimation of Running Temporal Parameters Using Foot-Worn Inertial Sensors. <i>Frontiers in Physiology</i> , 2018 , 9, 610	4.6	32
302	Alterations in postural control during the world's most challenging mountain ultra-marathon. <i>PLoS ONE</i> , 2014 , 9, e84554	3.7	32
301	Spinal modulations accompany peripheral fatigue during prolonged tennis playing. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2011 , 21, 455-64	4.6	32
300	Performance and drag during drafting swimming in highly trained triathletes. <i>Medicine and Science in Sports and Exercise</i> , 1998 , 30, 1276-80	1.2	32
299	Triathlon event distance specialization: training and injury effects. <i>Journal of Strength and Conditioning Research</i> , 2010 , 24, 30-6	3.2	31

298	Alteration of neuromuscular function after a prolonged road cycling race. <i>International Journal of Sports Medicine</i> , 2003 , 24, 190-4	3.6	31
297	Repeated maximal-intensity hypoxic exercise superimposed to hypoxic residence boosts skeletal muscle transcriptional responses in elite team-sport athletes. <i>Acta Physiologica</i> , 2018 , 222, e12851	5.6	30
296	Exposure to hypobaric hypoxia results in higher oxidative stress compared to normobaric hypoxia. <i>Respiratory Physiology and Neurobiology</i> , 2016 , 223, 23-7	2.8	30
295	Comparison of "Live High-Train Low" in normobaric versus hypobaric hypoxia. <i>PLoS ONE</i> , 2014 , 9, e114418	3.7	30
294	CrossTalk proposal: Barometric pressure, independent of , is the forgotten parameter in altitude physiology and mountain medicine. <i>Journal of Physiology</i> , 2020 , 598, 893-896	3.9	29
293	A pilot study on quantification of training load: The use of HRV in training practice. <i>European Journal of Sport Science</i> , 2016 , 16, 172-81	3.9	29
292	Effects of aerobic fitness on oxygen uptake kinetics in heavy intensity swimming. <i>European Journal of Applied Physiology</i> , 2012 , 112, 1689-97	3.4	29
291	Emerging Environmental and Weather Challenges in Outdoor Sports. <i>Climate</i> , 2015 , 3, 492-521	3.1	28
290	The Effect of Two Speed Endurance Training Regimes on Performance of Soccer Players. <i>PLoS ONE</i> , 2015 , 10, e0138096	3.7	28
289	Changes in running mechanics and spring-mass behaviour during a 5-km time trial. <i>International Journal of Sports Medicine</i> , 2013 , 34, 832-40	3.6	28
288	The impact of triathlon training and racing on athletes' general health. <i>Sports Medicine</i> , 2014 , 44, 1659-92	20.6	27
287	Oxygen uptake kinetics and middle distance swimming performance. <i>Journal of Science and Medicine in Sport</i> , 2012 , 15, 58-63	4.4	27
286	Walking in Hypoxia: An Efficient Treatment to Lessen Mechanical Constraints and Improve Health in Obese Individuals?. <i>Frontiers in Physiology</i> , 2017 , 8, 73	4.6	27
285	The effects of drafting on stroking variations during swimming in elite male triathletes. <i>European Journal of Applied Physiology</i> , 2000 , 82, 413-7	3.4	27
284	Game analysis and energy requirements of elite squash. <i>Journal of Strength and Conditioning Research</i> , 2007 , 21, 909-14	3.2	27
283	Circadian variation of salivary immunoglobulin A, alpha-amylase activity and mood in response to repeated double-poling sprints in hypoxia. <i>European Journal of Applied Physiology</i> , 2016 , 116, 1-10	3.4	26
282	Lower limb mechanical asymmetry during repeated treadmill sprints. <i>Human Movement Science</i> , 2017 , 52, 203-214	2.4	26
281	Changes in lung function during an extreme mountain ultramarathon. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015 , 25, e374-80	4.6	26

280	Does the Running Economy Really Increase after Ultra-Marathons?. <i>Frontiers in Physiology</i> , 2017 , 8, 783	4.6	26
279	Comparison of plantar pressure distribution in adolescent runners at low vs. high running velocity. <i>Gait and Posture</i> , 2012 , 35, 685-7	2.6	26
278	Heart rate variability and performance at two different altitudes in well-trained swimmers. <i>International Journal of Sports Medicine</i> , 2006 , 27, 226-31	3.6	26
277	Does the mechanical work in running change during the VO2 slow component?. <i>Medicine and Science in Sports and Exercise</i> , 2003 , 35, 50-7	1.2	26
276	Effects of salbutamol and caffeine ingestion on exercise metabolism and performance. <i>International Journal of Sports Medicine</i> , 2002 , 23, 549-54	3.6	26
275	Cycling Time Trial Is More Altered in Hypobaric than Normobaric Hypoxia. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 680-8	1.2	26
274	High-intensity running and plantar-flexor fatigability and plantar-pressure distribution in adolescent runners. <i>Journal of Athletic Training</i> , 2015 , 50, 117-25	4	25
273	Changes in leg spring behaviour, plantar loading and foot mobility magnitude induced by an exhaustive treadmill run in adolescent middle-distance runners. <i>Journal of Science and Medicine in Sport</i> , 2015 , 18, 199-203	4.4	25
272	Prooxidant/Antioxidant Balance in Hypoxia: A Cross-Over Study on Normobaric vs. Hypobaric "Live High-Train Low". <i>PLoS ONE</i> , 2015 , 10, e0137957	3.7	25
271	Alteration in neuromuscular function after a 5 km running time trial. <i>European Journal of Applied Physiology</i> , 2012 , 112, 2323-30	3.4	24
270	Effect of intermittent hypoxic training on HIF gene expression in human skeletal muscle and leukocytes. <i>European Journal of Applied Physiology</i> , 2009 , 105, 515-24	3.4	24
269	Hypobaric versus normobaric hypoxia: same effects on postural stability?. <i>High Altitude Medicine and Biology</i> , 2012 , 13, 40-5	1.9	24
268	VO2 responses to intermittent swimming sets at velocity associated with VO2max. <i>Applied Physiology, Nutrition, and Metabolism</i> , 2005 , 30, 543-53		24
267	Modelling the relationships between training, anxiety, and fatigue in elite athletes. <i>International Journal of Sports Medicine</i> , 2005 , 26, 492-8	3.6	24
266	Same Performance Changes after Live High-Train Low in Normobaric vs. Hypobaric Hypoxia. <i>Frontiers in Physiology</i> , 2016 , 7, 138	4.6	24
265	Individual hemoglobin mass response to normobaric and hypobaric "live high-train low": A one-year crossover study. <i>Journal of Applied Physiology</i> , 2017 , 123, 387-393	3.7	23
264	Is the Wet-Bulb Globe Temperature (WBGT) Index Relevant for Exercise in the Heat?. <i>Sports Medicine</i> , 2015 , 45, 1619-21	10.6	23
263	Preterm birth and oxidative stress: Effects of acute physical exercise and hypoxia physiological responses. <i>Redox Biology</i> , 2018 , 17, 315-322	11.3	23

262	A Hidden Markov Model of the breaststroke swimming temporal phases using wearable inertial measurement units 2013 ,		23
261	Effects of a 5-h hilly running on ankle plantar and dorsal flexor force and fatigability. <i>European Journal of Applied Physiology</i> , 2012 , 112, 2645-52	3.4	23
260	Physiological responses during submaximal interval swimming training: effects of interval duration. <i>Journal of Science and Medicine in Sport</i> , 2005 , 8, 392-402	4.4	23
259	Influence of restricted knee motion during the flat first serve in tennis. <i>Journal of Strength and Conditioning Research</i> , 2007 , 21, 950-7	3.2	23
258	Hypoxia and brain aging: Neurodegeneration or neuroprotection?. <i>Ageing Research Reviews</i> , 2021 , 68, 101343	12	23
257	An Extreme Mountain Ultra-Marathon Decreases the Cost of Uphill Walking and Running. <i>Frontiers in Physiology</i> , 2016 , 7, 530	4.6	23
256	Hypoxic Training Is Beneficial in Elite Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 515-518	5.1	22
255	Comparison of Four Sections for Analyzing Running Mechanics Alterations During Repeated Treadmill Sprints. <i>Journal of Applied Biomechanics</i> , 2015 , 31, 389-95	1.2	22
254	Comparison of Sleep Disorders between Real and Simulated 3,450-m Altitude. <i>Sleep</i> , 2016 , 39, 1517-23	1.1	21
253	Predominance of central motor command in the regulation of exercise. <i>Journal of Applied Physiology</i> , 2010 , 108, 458	3.7	21
252	Physiological requirements in triathlon. <i>Journal of Human Sport and Exercise</i> , 2011 , 6, 184-204	1.5	21
251	Live high-train low guided by daily heart rate variability in elite Nordic-skiers. <i>European Journal of Applied Physiology</i> , 2018 , 118, 419-428	3.4	21
250	Changes in leg-spring behavior during a 5000m self-paced run in differently trained athletes. <i>Science and Sports</i> , 2010 , 25, 99-102	0.8	20
249	Energy cost of different skating techniques in cross-country skiing. <i>Journal of Sports Sciences</i> , 2003 , 21, 3-11	3.6	20
248	Oxygenation time course and neuromuscular fatigue during repeated cycling sprints with bilateral blood flow restriction. <i>Physiological Reports</i> , 2018 , 6, e13872	2.6	20
247	Repeated-Sprint Training in Hypoxia Induced by Voluntary Hypoventilation in Swimming. <i>International Journal of Sports Physiology and Performance</i> , 2017 , 12, 329-335	3.5	19
246	Don't forget the gut--it is an important athletic organ!. <i>Journal of Applied Physiology</i> , 2011 , 110, 278; discussion 294	3.7	19
245	Plantar pressures in the tennis serve. <i>Journal of Sports Sciences</i> , 2010 , 28, 873-80	3.6	19

244	Altitude and COVID-19: Friend or foe? A narrative review. <i>Physiological Reports</i> , 2021 , 8, e14615	2.6	19
243	Mechanical Alterations to Repeated Treadmill Sprints in Normobaric Hypoxia. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 1570-9	1.2	19
242	Progressive and biphasic cardiac responses during extreme mountain ultramarathon. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 310, H1340-8	5.2	19
241	Changes in Muscle and Cerebral Deoxygenation and Perfusion during Repeated Sprints in Hypoxia to Exhaustion. <i>Frontiers in Physiology</i> , 2017 , 8, 846	4.6	18
240	Neuro-mechanical determinants of repeated treadmill sprints - Usefulness of an "hypoxic to normoxic recovery" approach. <i>Frontiers in Physiology</i> , 2015 , 6, 260	4.6	18
239	Tapering for marathon and cardiac autonomic function. <i>International Journal of Sports Medicine</i> , 2014 , 35, 676-83	3.6	18
238	Running versus strength-based warm-up: acute effects on isometric knee extension function. <i>European Journal of Applied Physiology</i> , 2009 , 106, 573-81	3.4	18
237	The effects of exercise intensity or drafting during swimming on subsequent cycling performance in triathletes. <i>Journal of Science and Medicine in Sport</i> , 2007 , 10, 234-43	4.4	18
236	Leukocyte's Hif-1 expression and training-induced erythropoietic response in swimmers. <i>Medicine and Science in Sports and Exercise</i> , 2006 , 38, 1410-7	1.2	18
235	Effects of wetsuit use in swimming events. Practical recommendations. <i>Sports Medicine</i> , 1996 , 22, 70-5	10.6	18
234	Modeling the residual effects and threshold saturation of training: a case study of Olympic swimmers. <i>Journal of Strength and Conditioning Research</i> , 2005 , 19, 67-75	3.2	18
233	An Updated Panorama of "Living Low-Training High" Altitude/Hypoxic Methods. <i>Frontiers in Sports and Active Living</i> , 2020 , 2, 26	2.3	17
232	Economy is not sacrificed in ultramarathon runners. <i>Journal of Applied Physiology</i> , 2012 , 113, 686; author reply 687	3.7	17
231	Evidence for differences between hypobaric and normobaric hypoxia is conclusive. <i>Exercise and Sport Sciences Reviews</i> , 2013 , 41, 133	6.7	17
230	Intrasession and Intersession Reliability of Running Mechanics During Treadmill Sprints. <i>International Journal of Sports Physiology and Performance</i> , 2016 , 11, 432-9	3.5	17
229	Updated analysis of changes in locomotor activities across periods in an international ice hockey game. <i>Biology of Sport</i> , 2018 , 35, 261-267	4.3	17
228	Cognitive performance and self-reported sleepiness are modulated by time-of-day during a mountain ultramarathon. <i>Research in Sports Medicine</i> , 2018 , 26, 482-489	3.8	16
227	Validity and reliability of the Polar S710 mobile cycling powermeter. <i>International Journal of Sports Medicine</i> , 2003 , 24, 156-61	3.6	16

226	Drift-Free Foot Orientation Estimation in Running Using Wearable IMU. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 65	5.8	15
225	Do male athletes with already high initial haemoglobin mass benefit from 'live high-train low' altitude training?. <i>Experimental Physiology</i> , 2018 , 103, 68-76	2.4	15
224	Front-crawl stroke descriptors variability assessment for skill characterisation. <i>Journal of Sports Sciences</i> , 2016 , 34, 1405-12	3.6	15
223	Inter-limb coordination and energy cost in swimming. <i>Journal of Science and Medicine in Sport</i> , 2014 , 17, 439-44	4.4	15
222	Discerning normobaric and hypobaric hypoxia: significance of exposure duration. <i>Journal of Applied Physiology</i> , 2014 , 116, 1255	3.7	15
221	Responses to exercise in normobaric hypoxia: comparison of elite and recreational ski mountaineers. <i>International Journal of Sports Physiology and Performance</i> , 2014 , 9, 978-84	3.5	15
220	Effects of salbutamol on the contractile properties of human skeletal muscle before and after fatigue. <i>Acta Physiologica</i> , 2011 , 203, 311-20	5.6	15
219	Last word on Point: Counterpoint: Hypobaric hypoxia induces different responses from normobaric hypoxia. <i>Journal of Applied Physiology</i> , 2012 , 112, 1795	3.7	15
218	Altitude, heart rate variability and aerobic capacities. <i>International Journal of Sports Medicine</i> , 2008 , 29, 300-6	3.6	15
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