

Hans-Christer Holmberg

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.

217
papers

5,393
citations

42
h-index

59
g-index

228
ext. papers

6,473
ext. citations

3.5
avg, IF

6.19
L-index

#	Paper	IF	Citations
217	Biomechanical analysis of double poling in elite cross-country skiers. <i>Medicine and Science in Sports and Exercise</i> , 2005 , 37, 807-18	1.2	204
216	Maximal muscular vascular conductances during whole body upright exercise in humans. <i>Journal of Physiology</i> , 2004 , 558, 319-31	3.9	142
215	Role of glycogen availability in sarcoplasmic reticulum Ca ²⁺ kinetics in human skeletal muscle. <i>Journal of Physiology</i> , 2011 , 589, 711-25	3.9	128
214	Analysis of sprint cross-country skiing using a differential global navigation satellite system. <i>European Journal of Applied Physiology</i> , 2010 , 110, 585-95	3.4	114
213	Metabolic rate and gross efficiency at high work rates in world class and national level sprint skiers. <i>European Journal of Applied Physiology</i> , 2010 , 109, 473-81	3.4	94
212	Bringing light into the dark: effects of compression clothing on performance and recovery. <i>International Journal of Sports Physiology and Performance</i> , 2013 , 8, 4-18	3.5	93
211	Physiological Capacity and Training Routines of Elite Cross-Country Skiers: Approaching the Upper Limits of Human Endurance. <i>International Journal of Sports Physiology and Performance</i> , 2017 , 12, 1003-1011	3.5	92
210	Plasticity in mitochondrial cristae density allows metabolic capacity modulation in human skeletal muscle. <i>Journal of Physiology</i> , 2017 , 595, 2839-2847	3.9	90
209	Analysis of a sprint ski race and associated laboratory determinants of world-class performance. <i>European Journal of Applied Physiology</i> , 2011 , 111, 947-57	3.4	82
208	Contribution of the legs to double-poling performance in elite cross-country skiers. <i>Medicine and Science in Sports and Exercise</i> , 2006 , 38, 1853-60	1.2	81
207	A reappraisal of success factors for Olympic cross-country skiing. <i>International Journal of Sports Physiology and Performance</i> , 2014 , 9, 117-21	3.5	77
206	Comparison of Non-Invasive Individual Monitoring of the Training and Health of Athletes with Commercially Available Wearable Technologies. <i>Frontiers in Physiology</i> , 2016 , 7, 71	4.6	74
205	The physiology of world-class sprint skiers. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2011 , 21, e9-16	4.6	70
204	Human skeletal muscle glycogen utilization in exhaustive exercise: role of subcellular localization and fibre type. <i>Journal of Physiology</i> , 2011 , 589, 2871-85	3.9	68
203	Control of speed during the double poling technique performed by elite cross-country skiers. <i>Medicine and Science in Sports and Exercise</i> , 2009 , 41, 210-20	1.2	67
202	General strength and kinetics: fundamental to sprinting faster in cross country skiing?. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2011 , 21, 791-803	4.6	63
201	High-intensity interval training improves VO ₂ (peak), maximal lactate accumulation, time trial and competition performance in 9-11-year-old swimmers. <i>European Journal of Applied Physiology</i> , 2010 , 110, 1029-36	3.4	61

200	A 3-week multimodal intervention involving high-intensity interval training in female cancer survivors: a randomized controlled trial. <i>Physiological Reports</i> , 2016 , 4, e12693	2.6	56
199	Biomechanical factors influencing the performance of elite Alpine ski racers. <i>Sports Medicine</i> , 2014 , 44, 519-33	10.6	56
198	Force interaction and 3D pole movement in double poling. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2011 , 21, e393-404	4.6	55
197	Mechanical parameters as predictors of performance in alpine World Cup slalom racing. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2011 , 21, e72-81	4.6	54
196	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
195	Sex Differences in World-Record Performance: The Influence of Sport Discipline and Competition Duration. <i>International Journal of Sports Physiology and Performance</i> , 2018 , 13, 2-8	3.5	53
194	Different types of compression clothing do not increase sub-maximal and maximal endurance performance in well-trained athletes. <i>Journal of Sports Sciences</i> , 2010 , 28, 609-14	3.6	53
193	Is There Evidence that Runners can Benefit from Wearing Compression Clothing?. <i>Sports Medicine</i> , 2016 , 46, 1939-1952	10.6	53
192	Activation of mTORC1 by leucine is potentiated by branched-chain amino acids and even more so by essential amino acids following resistance exercise. <i>American Journal of Physiology - Cell Physiology</i> , 2016 , 310, C874-84	5.4	52
191	Effects of 5 weeks of high-intensity interval training vs. volume training in 14-year-old soccer players. <i>Journal of Strength and Conditioning Research</i> , 2011 , 25, 1271-8	3.2	52
190	Biomechanical and energetic determinants of technique selection in classical cross-country skiing. <i>Human Movement Science</i> , 2013 , 32, 1415-29	2.4	51
189	Biomechanical, cardiorespiratory, metabolic and perceived responses to electrically assisted cycling. <i>European Journal of Applied Physiology</i> , 2012 , 112, 4015-25	3.4	51
188	The Physiological Capacity of the World's Highest Ranked Female Cross-country Skiers. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 1091-100	1.2	51
187	Recommendations for Assessment of the Reliability, Sensitivity, and Validity of Data Provided by Wearable Sensors Designed for Monitoring Physical Activity. <i>JMIR MHealth and UHealth</i> , 2018 , 6, e102	5.5	50
186	High-intensity sprint training inhibits mitochondrial respiration through aconitase inactivation. <i>FASEB Journal</i> , 2016 , 30, 417-27	0.9	48
185	Resistance exercise-induced S6K1 kinase activity is not inhibited in human skeletal muscle despite prior activation of AMPK by high-intensity interval cycling. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 308, E470-81	6	48
184	Relationships between body composition, body dimensions, and peak speed in cross-country sprint skiing. <i>Journal of Sports Sciences</i> , 2010 , 28, 161-9	3.6	47
183	Gender differences in power production, energetic capacity and efficiency of elite cross-country skiers during whole-body, upper-body, and arm poling. <i>European Journal of Applied Physiology</i> , 2016 , 116, 291-300	3.4	46

182	Gender differences in endurance performance by elite cross-country skiers are influenced by the contribution from poling. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2014 , 24, 28-33	4.6	46
181	How do elite cross-country skiers adapt to different double poling frequencies at low to high speeds?. <i>European Journal of Applied Physiology</i> , 2011 , 111, 1103-19	3.4	46
180	Changes in upper body muscle activity with increasing double poling velocities in elite cross-country skiing. <i>European Journal of Applied Physiology</i> , 2009 , 106, 353-63	3.4	45
179	Post-exercise recovery of contractile function and endurance in humans and mice is accelerated by heating and slowed by cooling skeletal muscle. <i>Journal of Physiology</i> , 2017 , 595, 7413-7426	3.9	44
178	Double-Poling Biomechanics of Elite Cross-country Skiers: Flat versus Uphill Terrain. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 1580-9	1.2	44
177	Superior Intrinsic Mitochondrial Respiration in Women Than in Men. <i>Frontiers in Physiology</i> , 2018 , 9, 1133	4.6	44
176	Aerodynamic drag is not the major determinant of performance during giant slalom skiing at the elite level. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2013 , 23, e38-47	4.6	43
175	Lung function, arterial saturation and oxygen uptake in elite cross country skiers: influence of exercise mode. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2007 , 17, 437-44	4.6	41
174	The Physiological Mechanisms of Performance Enhancement with Sprint Interval Training Differ between the Upper and Lower Extremities in Humans. <i>Frontiers in Physiology</i> , 2016 , 7, 426	4.6	41
173	Wearable, yes, but able to it is time for evidence-based marketing claims!. <i>British Journal of Sports Medicine</i> , 2017 , 51, 1240	10.3	40
172	The Muscle Fiber Profiles, Mitochondrial Content, and Enzyme Activities of the Exceptionally Well-Trained Arm and Leg Muscles of Elite Cross-Country Skiers. <i>Frontiers in Physiology</i> , 2018 , 9, 1031	4.6	39
171	The influence of incline and speed on work rate, gross efficiency and kinematics of roller ski skating. <i>European Journal of Applied Physiology</i> , 2012 , 112, 2829-38	3.4	39
170	Endurance Exercise Enhances the Effect of Strength Training on Muscle Fiber Size and Protein Expression of Akt and mTOR. <i>PLoS ONE</i> , 2016 , 11, e0149082	3.7	39
169	Effects of 20-s and 180-s double poling interval training in cross-country skiers. <i>European Journal of Applied Physiology</i> , 2004 , 92, 121-7	3.4	37
168	The Training of Olympic Alpine Ski Racers. <i>Frontiers in Physiology</i> , 2018 , 9, 1772	4.6	37
167	Energy system contributions and determinants of performance in sprint cross-country skiing. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2017 , 27, 385-398	4.6	36
166	The Potential Usefulness of Virtual Reality Systems for Athletes: A Short SWOT Analysis. <i>Frontiers in Physiology</i> , 2018 , 9, 128	4.6	36
165	Gender differences in the physiological responses and kinematic behaviour of elite sprint cross-country skiers. <i>European Journal of Applied Physiology</i> , 2012 , 112, 1087-94	3.4	34

164	Biomechanical pole and leg characteristics during uphill diagonal roller skiing. <i>Sports Biomechanics</i> , 2009 , 8, 318-33	2.2	34
163	A new time measurement method using a high-end global navigation satellite system to analyze alpine skiing. <i>Research Quarterly for Exercise and Sport</i> , 2011 , 82, 400-11	1.9	33
162	Quantitative and qualitative adaptation of human skeletal muscle mitochondria to hypoxic compared with normoxic training at the same relative work rate. <i>Acta Physiologica</i> , 2007 , 190, 243-51	5.6	33
161	Are gender differences in upper-body power generated by elite cross-country skiers augmented by increasing the intensity of exercise?. <i>PLoS ONE</i> , 2015 , 10, e0127509	3.7	32
160	Running activity profile of adolescent tennis players during match play. <i>Pediatric Exercise Science</i> , 2014 , 26, 281-90	2	31
159	No Superior Adaptations to Carbohydrate Periodization in Elite Endurance Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 2486-2497	1.2	31
158	Functional High-Intensity Circuit Training Improves Body Composition, Peak Oxygen Uptake, Strength, and Alters Certain Dimensions of Quality of Life in Overweight Women. <i>Frontiers in Physiology</i> , 2017 , 8, 172	4.6	31
157	Cardio-respiratory and metabolic responses to different levels of compression during submaximal exercise. <i>Phlebology</i> , 2011 , 26, 102-6	2	31
156	Increase of hemoglobin concentration after maximal apneas in divers, skiers, and untrained humans. <i>Applied Physiology, Nutrition, and Metabolism</i> , 2005 , 30, 276-81		31
155	N-methylnicotinamide is a signalling molecule produced in skeletal muscle coordinating energy metabolism. <i>Scientific Reports</i> , 2018 , 8, 3016	4.9	29
154	Metabolic Responses and Pacing Strategies during Successive Sprint Skiing Time Trials. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 2544-2554	1.2	29
153	Integrated Framework of Load Monitoring by a Combination of Smartphone Applications, Wearables and Point-of-Care Testing Provides Feedback that Allows Individual Responsive Adjustments to Activities of Daily Living. <i>Sensors</i> , 2018 , 18,	3.8	29
152	What are the exercise-based injury prevention recommendations for recreational alpine skiing and snowboarding? A systematic review. <i>Sports Medicine</i> , 2013 , 43, 355-66	10.6	29
151	Effects of training, detraining, and retraining on strength, hypertrophy, and myonuclear number in human skeletal muscle. <i>Journal of Applied Physiology</i> , 2019 , 126, 1636-1645	3.7	28
150	A novel compression garment with adhesive silicone stripes improves repeated sprint performance - a multi-experimental approach on the underlying mechanisms. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2014 , 6, 21	2.4	28
149	Biomechanically influenced differences in O ₂ extraction in diagonal skiing: arm versus leg. <i>Medicine and Science in Sports and Exercise</i> , 2010 , 42, 1899-908	1.2	28
148	Leucine does not affect mechanistic target of rapamycin complex 1 assembly but is required for maximal ribosomal protein s6 kinase 1 activity in human skeletal muscle following resistance exercise. <i>FASEB Journal</i> , 2015 , 29, 4358-73	0.9	27
147	Neuromuscular and circulatory adaptation during combined arm and leg exercise with different maximal work loads. <i>European Journal of Applied Physiology</i> , 2007 , 101, 603-11	3.4	27

146	The pacing strategy and technique of male cross-country skiers with different levels of performance during a 15-km classical race. <i>PLoS ONE</i> , 2017 , 12, e0187111	3.7	27
145	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
144	Multimodal Therapy Involving High-Intensity Interval Training Improves the Physical Fitness, Motor Skills, Social Behavior, and Quality of Life of Boys With ADHD: A Randomized Controlled Study. <i>Journal of Attention Disorders</i> , 2018 , 22, 806-812	3.7	26
143	The Impact of Hyperoxia on Human Performance and Recovery. <i>Sports Medicine</i> , 2017 , 47, 429-438	10.6	26
142	Automatic classification of the sub-techniques (gears) used in cross-country ski skating employing a mobile phone. <i>Sensors</i> , 2014 , 14, 20589-601	3.8	26
141	Biomechanical determinants of oxygen extraction during cross-country skiing. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2013 , 23, e9-20	4.6	25
140	Local depletion of glycogen with supramaximal exercise in human skeletal muscle fibres. <i>Journal of Physiology</i> , 2017 , 595, 2809-2821	3.9	25
139	The Responses of Elite Athletes to Exercise: An All-Day, 24-h Integrative View Is Required!. <i>Frontiers in Physiology</i> , 2017 , 8, 564	4.6	25
138	Upper body training and the triceps brachii muscle of elite cross country skiers. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2006 , 16, 121-6	4.6	25
137	Full course macro-kinematic analysis of a 10 km classical cross-country skiing competition. <i>PLoS ONE</i> , 2017 , 12, e0182262	3.7	25
136	The influence of physiobiomechanical parameters, technical aspects of shooting, and psychophysiological factors on biathlon performance: A review. <i>Journal of Sport and Health Science</i> , 2018 , 7, 394-404	8.2	25
135	Wrist-Worn Wearables for Monitoring Heart Rate and Energy Expenditure While Sitting or Performing Light-to-Vigorous Physical Activity: Validation Study. <i>JMIR MHealth and UHealth</i> , 2020 , 8, e16716	5.5	24
134	A Meta-Comparison of the Effects of High-Intensity Interval Training to Those of Small-Sided Games and Other Training Protocols on Parameters Related to the Physiology and Performance of Youth Soccer Players. <i>Sports Medicine - Open</i> , 2019 , 5, 7	6.1	23
133	Doublet discharge stimulation increases sarcoplasmic reticulum Ca ²⁺ release and improves performance during fatiguing contractions in mouse muscle fibres. <i>Journal of Physiology</i> , 2013 , 591, 3739-48	3.9	23
132	Factors that Influence the Performance of Elite Sprint Cross-Country Skiers. <i>Sports Medicine</i> , 2017 , 47, 319-342	10.6	23
131	Impact of the steepness of the slope on the biomechanics of World Cup slalom skiers. <i>International Journal of Sports Physiology and Performance</i> , 2015 , 10, 361-8	3.5	23
130	Determinants of a simulated cross-country skiing sprint competition using V2 skating technique on roller skis. <i>Journal of Strength and Conditioning Research</i> , 2010 , 24, 920-8	3.2	23
129	Exercise Preserves Lean Mass and Performance during Severe Energy Deficit: The Role of Exercise Volume and Dietary Protein Content. <i>Frontiers in Physiology</i> , 2017 , 8, 483	4.6	22

128	The effects of skiing velocity on mechanical aspects of diagonal cross-country skiing. <i>Sports Biomechanics</i> , 2014 , 13, 267-84	2.2	22
127	An elite endurance athlete's recovery from underperformance aided by a multidisciplinary sport science support team. <i>European Journal of Sport Science</i> , 2008 , 8, 267-276	3.9	22
126	Biomechanical characteristics and speed adaptation during kick double poling on roller skis in elite cross-country skiers. <i>Sports Biomechanics</i> , 2013 , 12, 154-74	2.2	21
125	Reliability and validity of a new double poling ergometer for cross-country skiers. <i>Journal of Sports Sciences</i> , 2008 , 26, 171-9	3.6	21
124	Repeated high-intensity exercise modulates Ca ²⁺ sensitivity of human skeletal muscle fibers. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2016 , 26, 488-97	4.6	20
123	Aerobic and anaerobic contributions to energy production among junior male and female cross-country skiers during diagonal skiing. <i>International Journal of Sports Physiology and Performance</i> , 2014 , 9, 32-40	3.5	20
122	Is leg compression beneficial for alpine skiers?. <i>The Sports Medicine, Arthroscopy, Rehabilitation and Technology</i> , 2013 , 5, 18		20
121	Instant Biofeedback Provided by Wearable Sensor Technology Can Help to Optimize Exercise and Prevent Injury and Overuse. <i>Frontiers in Physiology</i> , 2017 , 8, 167	4.6	20
120	Downhill turn techniques and associated physical characteristics in cross-country skiers. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2014 , 24, 708-16	4.6	20
119	Endurance training and sprint performance in elite junior cross-country skiers. <i>Journal of Strength and Conditioning Research</i> , 2011 , 25, 1299-305	3.2	20
118	Does upper-body compression improve 3 min double-poling sprint performance?. <i>International Journal of Sports Physiology and Performance</i> , 2014 , 9, 48-57	3.5	19
117	The Olympic Biathlon - Recent Advances and Perspectives After Pyeongchang. <i>Frontiers in Physiology</i> , 2018 , 9, 796	4.6	18
116	Impact of Incline, Sex and Level of Performance on Kinematics During a Distance Race in Classical Cross-Country Skiing. <i>Journal of Sports Science and Medicine</i> , 2018 , 17, 124-133	2.7	18
115	The effectiveness of stretch-shortening cycling in upper-limb extensor muscles during elite cross-country skiing with the double-poling technique. <i>Journal of Electromyography and Kinesiology</i> , 2013 , 23, 1512-9	2.5	17
114	Changes in performance and poling kinetics during cross-country sprint skiing competition using the double-poling technique. <i>Sports Biomechanics</i> , 2013 , 12, 355-64	2.2	17
113	Recovery from high-intensity training sessions in female soccer players. <i>Journal of Strength and Conditioning Research</i> , 2011 , 25, 1726-35	3.2	17
112	How gate setup and turn radii influence energy dissipation in slalom ski racing. <i>Journal of Applied Biomechanics</i> , 2010 , 26, 454-64	1.2	17
111	Recent Kinematic and Kinetic Advances in Olympic Alpine Skiing: Pyeongchang and Beyond. <i>Frontiers in Physiology</i> , 2019 , 10, 111	4.6	16

110	The effects of prior high intensity double poling on subsequent diagonal stride skiing characteristics. <i>SpringerPlus</i> , 2015 , 4, 40		16
109	Mechanical Energy and Propulsion in Ergometer Double Poling by Cross-country Skiers. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 2586-94	1.2	16
108	Effect of carrying a rifle on physiology and biomechanical responses in biathletes. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 617-24	1.2	16
107	Insufficient ventilation as a cause of impaired pulmonary gas exchange during submaximal exercise. <i>Respiratory Physiology and Neurobiology</i> , 2007 , 157, 348-59	2.8	16
106	Individual versus Standardized Running Protocols in the Determination of VO ₂ max. <i>Journal of Sports Science and Medicine</i> , 2015 , 14, 386-93	2.7	16
105	Pacing and predictors of performance during cross-country skiing races: A systematic review. <i>Journal of Sport and Health Science</i> , 2018 , 7, 381-393	8.2	16
104	Muscle oxygenation asymmetry in ice speed skaters: not compensated by compression. <i>International Journal of Sports Physiology and Performance</i> , 2014 , 9, 58-67	3.5	15
103	Pronounced limb and fibre type differences in subcellular lipid droplet content and distribution in elite skiers before and after exhaustive exercise. <i>Journal of Physiology</i> , 2017 , 595, 5781-5795	3.9	15
102	Elite and amateur orienteers Running biomechanics on three surfaces at three speeds. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 381-9	1.2	15
101	Exercise reduces the symptoms of attention-deficit/hyperactivity disorder and improves social behaviour, motor skills, strength and neuropsychological parameters. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2014 , 103, 709-14	3.1	15
100	Development of a novel eccentric arm cycle ergometer for training the upper body. <i>Medicine and Science in Sports and Exercise</i> , 2013 , 45, 206-11	1.2	15
99	A time-efficient reduction of fat mass in 4 days with exercise and caloric restriction. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015 , 25, 223-33	4.6	14
98	Ergogenic effect of hyperoxic recovery in elite swimmers performing high-intensity intervals. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2011 , 21, e421-9	4.6	14
97	Prolonged Sitting Interrupted by 6-Min of High-Intensity Exercise: Circulatory, Metabolic, Hormonal, Thermal, Cognitive, and Perceptual Responses. <i>Frontiers in Physiology</i> , 2018 , 9, 1279	4.6	14
96	Biomechanical analysis of the herringbone technique as employed by elite cross-country skiers. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2014 , 24, 542-52	4.6	13
95	Table tennis: cardiorespiratory and metabolic analysis of match and exercise in elite junior national players. <i>International Journal of Sports Physiology and Performance</i> , 2011 , 6, 234-42	3.5	13
94	Pre-exposure to hyperoxic air does not enhance power output during subsequent sprint cycling. <i>European Journal of Applied Physiology</i> , 2010 , 110, 301-5	3.4	13
93	The Impact of the German Strategy for Containment of Coronavirus SARS-CoV-2 on Training Characteristics, Physical Activity and Sleep of Highly Trained Kayakers and Canoeists: A Retrospective Observational Study. <i>Frontiers in Sports and Active Living</i> , 2020 , 2, 579830	2.3	13

92	Repeated apnea-induced contraction of the spleen in cyclists does not enhance performance in a subsequent time-trial. <i>European Journal of Applied Physiology</i> , 2015 , 115, 205-12	3.4	12
91	Developments in the Biomechanics and Equipment of Olympic Cross-Country Skiers. <i>Frontiers in Physiology</i> , 2018 , 9, 976	4.6	12
90	Knee angle-specific MVIC for triceps surae EMG signal normalization in weight and non weight-bearing conditions. <i>Journal of Electromyography and Kinesiology</i> , 2013 , 23, 916-23	2.5	12
89	No Additional Benefits of Block- Over Evenly-Distributed High-Intensity Interval Training within a Polarized Microcycle. <i>Frontiers in Physiology</i> , 2017 , 8, 413	4.6	12
88	Salivary cortisol, heart rate, and blood lactate responses during elite downhill mountain bike racing. <i>International Journal of Sports Physiology and Performance</i> , 2012 , 7, 47-52	3.5	12
87	Effects of hyperoxia during recovery from 5B0-s bouts of maximal-intensity exercise. <i>Journal of Sports Sciences</i> , 2012 , 30, 851-8	3.6	12
86	Heterogeneity in subcellular muscle glycogen utilisation during exercise impacts endurance capacity in men. <i>Journal of Physiology</i> , 2020 , 598, 4271-4292	3.9	12
85	Commentaries on Viewpoint: Physiology and fast marathons. <i>Journal of Applied Physiology</i> , 2020 , 128, 1069-1085	3.7	11
84	A 4-Week Intervention Involving Mobile-Based Daily 6-Minute Micro-Sessions of Functional High-Intensity Circuit Training Improves Strength and Quality of Life, but Not Cardio-Respiratory Fitness of Young Untrained Adults. <i>Frontiers in Physiology</i> , 2018 , 9, 423	4.6	11
83	The velocity and energy profiles of elite cross-country skiers executing downhill turns with different radii. <i>International Journal of Sports Physiology and Performance</i> , 2014 , 9, 41-7	3.5	11
82	The physiological and biomechanical contributions of poling to roller ski skating. <i>European Journal of Applied Physiology</i> , 2013 , 113, 1979-87	3.4	11
81	Severe energy deficit upregulates leptin receptors, leptin signaling, and PTP1B in human skeletal muscle. <i>Journal of Applied Physiology</i> , 2017 , 123, 1276-1287	3.7	11
80	Blood lactate recovery and respiratory responses during diagonal skiing of variable intensity. <i>European Journal of Sport Science</i> , 2011 , 11, 317-326	3.9	11
79	Physiological comparison of concentric and eccentric arm cycling in males and females. <i>PLoS ONE</i> , 2014 , 9, e112079	3.7	11
78	Three-dimensional Force and Kinematic Interactions in V1 Skating at High Speeds. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 1232-42	1.2	10
77	Jumping and hopping in elite and amateur orienteering athletes and correlations to sprinting and running. <i>International Journal of Sports Physiology and Performance</i> , 2014 , 9, 993-9	3.5	10
76	Exercising in a hot environment: which T-shirt to wear?. <i>Wilderness and Environmental Medicine</i> , 2013 , 24, 211-20	1.4	10
75	The kinetics of blood lactate in boys during and following a single and repeated all-out sprints of cycling are different than in men. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015 , 40, 623-31	3	10

74	Exercise Mitigates the Loss of Muscle Mass by Attenuating the Activation of Autophagy during Severe Energy Deficit. <i>Nutrients</i> , 2019 , 11,	6.7	10
73	Whole-Body Vibrations Associated With Alpine Skiing: A Risk Factor for Low Back Pain?. <i>Frontiers in Physiology</i> , 2018 , 9, 204	4.6	9
72	Macro-Kinematic Differences Between Sprint and Distance Cross-Country Skiing Competitions Using the Classical Technique. <i>Frontiers in Physiology</i> , 2018 , 9, 570	4.6	9
71	Repeated low impacts in alpine ski helmets. <i>Sports Technology</i> , 2013 , 6, 43-52		9
70	Serum Concentrations of S100B are not Affected by Cycling to Exhaustion With or Without Vibration. <i>Journal of Human Kinetics</i> , 2011 , 30, 59-63	2.6	9
69	Following a Long-Distance Classical Race the Whole-Body Kinematics of Double Poling by Elite Cross-Country Skiers Are Altered. <i>Frontiers in Physiology</i> , 2018 , 9, 978	4.6	9
68	Enhanced systolic myocardial function in elite endurance athletes during combined arm-and-leg exercise. <i>European Journal of Applied Physiology</i> , 2011 , 111, 905-13	3.4	8
67	Changes in metabolism but not myocellular signaling by training with CHO-restriction in endurance athletes. <i>Physiological Reports</i> , 2018 , 6, e13847	2.6	8
66	Mitochondrial oxygen affinity increases after sprint interval training and is related to the improvement in peak oxygen uptake. <i>Acta Physiologica</i> , 2020 , 229, e13463	5.6	7
65	Biomechanics of the heel-raise test performed on an incline in two knee flexion positions. <i>Clinical Biomechanics</i> , 2013 , 28, 664-71	2.2	7
64	Do anthropometrics, biomechanics, and laterality explain V1 side preference in skiers?. <i>Medicine and Science in Sports and Exercise</i> , 2013 , 45, 1569-76	1.2	7
63	A numerical model for fatigue effects in whole-body human exercise. <i>Mathematical and Computer Modelling of Dynamical Systems</i> , 2016 , 22, 21-38	1	6
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