

Hans-Christer Holmberg

List of Publications by Year in Descending Order

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Version: 2024-04-24

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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	Application of Experimental Measurements in a Wind Tunnel to the Development of a Model for Aerodynamic Drag on Elite Slalom and Giant Slalom Alpine Skiers. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 902	2.6	0
216	Evaluation of nocturnal vs. morning measures of heart rate indices in young athletes.. <i>PLoS ONE</i> , 2022 , 17, e0262333	3.7	0
215	Effects of High-Intensity Interval Training in School on the Physical Performance and Health of Children and Adolescents: A Systematic Review with Meta-Analysis.. <i>Sports Medicine - Open</i> , 2022 , 8, 50	6.1	6
214	The Relationship Between the Distribution of Training Intensity and Performance of Kayak and Canoe Sprinters: A Retrospective Observational Analysis of One Season of Competition.. <i>Frontiers in Sports and Active Living</i> , 2021 , 3, 788108	2.3	
213	Ski Mountaineering: Perspectives on a Novel Sport to Be Introduced at the 2026 Winter Olympic Games. <i>Frontiers in Physiology</i> , 2021 , 12, 737249	4.6	3
212	High-intensity leg cycling alters the molecular response to resistance exercise in the arm muscles. <i>Scientific Reports</i> , 2021 , 11, 6453	4.9	2
211	Some Personal Advice Concerning How to Write Precise, Concise and Eloquent Research Articles. <i>Frontiers in Sports and Active Living</i> , 2021 , 3, 648929	2.3	0
210	Virtual Training of Endurance Cycling - A Summary of Strengths, Weaknesses, Opportunities and Threats. <i>Frontiers in Sports and Active Living</i> , 2021 , 3, 631101	2.3	4
209	Glycogen supercompensation is due to increased number, not size, of glycogen particles in human skeletal muscle. <i>Experimental Physiology</i> , 2021 , 106, 1272-1284	2.4	2
208	Asymmetries in Ground Reaction Forces During Turns by Elite Slalom Alpine Skiers Are Not Related to Asymmetries in Muscular Strength. <i>Frontiers in Physiology</i> , 2021 , 12, 577698	4.6	2
207	Monitoring the Performance of Alpine Skiers with Inertial Motion Units: Practical and Methodological Considerations. <i>Journal of Science in Sport and Exercise</i> , 2021 , 3, 249-256	1	0
206	Monitoring and adapting endurance training on the basis of heart rate variability monitored by wearable technologies: A systematic review with meta-analysis. <i>Journal of Science and Medicine in Sport</i> , 2021 , 24, 1180-1192	4.4	2
205	Preparing for the Nordic Skiing Events at the Beijing Olympics in 2022: Evidence-Based Recommendations and Unanswered Questions. <i>Journal of Science in Sport and Exercise</i> , 2021 , 3, 257-269 ¹		1
204	Aerobic exercise promotes the functions of brown adipose tissue in obese mice via a mechanism involving COX2 in the VEGF signaling pathway. <i>Nutrition and Metabolism</i> , 2021 , 18, 56	4.6	6
203	Contractile Properties of MHC I and II Fibers From Highly Trained Arm and Leg Muscles of Cross-Country Skiers. <i>Frontiers in Physiology</i> , 2021 , 12, 682943	4.6	3
202	Methodological Guidelines Designed to Improve the Quality of Research on Cross-Country Skiing. <i>Journal of Science in Sport and Exercise</i> , 2021 , 3, 207-223	1	4
201	Comparison of Physiological Parameters During On-Water and Ergometer Kayaking and Their Relationship to Performance in Sprint Kayak Competitions. <i>International Journal of Sports Physiology and Performance</i> , 2021 , 16, 958-964	3.5	2

200	Reliability and Validity of the CORE Sensor to Assess Core Body Temperature during Cycling Exercise. <i>Sensors</i> , 2021 , 21,	3.8	3
199	Angiotensin-Converting Enzyme 2 (SARS-CoV-2 receptor) expression in human skeletal muscle. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021 , 31, 2249-2258	4.6	3
198	Relationships between Heart Rate Variability, Sleep Duration, Cortisol and Physical Training in Young Athletes.. <i>Journal of Sports Science and Medicine</i> , 2021 , 20, 778-788	2.7	1
197	Cardiorespiratory, Metabolic and Perceived Responses to Electrical Stimulation of Upper-Body Muscles While Performing Arm Cycling. <i>Journal of Human Kinetics</i> , 2021 , 77, 117-123	2.6	
196	Modeling Optimal Cadence as a Function of Time during Maximal Sprint Exercises Can Improve Performance by Elite Track Cyclists. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 12105	2.6	1
195	Biomechanical analysis of the "running" vs. "conventional" diagonal stride uphill techniques as performed by elite cross-country skiers. <i>Journal of Sport and Health Science</i> , 2020 ,	8.2	1
194	Biomechanical determinants of cross-country skiing performance: A systematic review. <i>Journal of Sports Sciences</i> , 2020 , 38, 2127-2148	3.6	6
193	Effects of Acute Exercise and Training on the Sarcoplasmic Reticulum Ca Release and Uptake Rates in Highly Trained Endurance Athletes. <i>Frontiers in Physiology</i> , 2020 , 11, 810	4.6	5
192	Energetic Cost and Kinematics of Pushing a Stroller on Flat and Uphill Terrain. <i>Frontiers in Physiology</i> , 2020 , 11, 574	4.6	1
191	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
190	Commentaries on Viewpoint: Physiology and fast marathons. <i>Journal of Applied Physiology</i> , 2020 , 128, 1069-1085	3.7	11
189	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
188	Sarcophilin expression in human skeletal muscle: Influence of energy balance and exercise. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020 , 30, 408-420	4.6	5
187	Muscle memory: are myonuclei ever lost?. <i>Journal of Applied Physiology</i> , 2020 , 128, 456-457	3.7	1
186	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
185	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
184	Predefined vs data-guided training prescription based on autonomic nervous system variation: A systematic review. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020 , 30, 2291-2304	4.6	6
183	Asymmetries in the Technique and Ground Reaction Forces of Elite Alpine Skiers Influence Their Slalom Performance. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7288	2.6	4

182	Elevated plasma lactate levels via exogenous lactate infusion do not alter resistance exercise-induced signaling or protein synthesis in human skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020 , 319, E792-E804	6	5
181	Intra-individual physiological response of recreational runners to different training mesocycles: a randomized cross-over study. <i>European Journal of Applied Physiology</i> , 2020 , 120, 2705-2713	3.4	2
180	Comparisons of Macro-Kinematic Strategies During the Rounds of a Cross-Country Skiing Sprint Competition in Classic Technique. <i>Frontiers in Sports and Active Living</i> , 2020 , 2, 546205	2.3	
179	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
178	Recent Kinematic and Kinetic Advances in Olympic Alpine Skiing: Pyeongchang and Beyond. <i>Frontiers in Physiology</i> , 2019 , 10, 111	4.6	16
177	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
176	Methodological and Practical Considerations Associated With Assessment of Alpine Skiing Performance Using Global Navigation Satellite Systems. <i>Frontiers in Sports and Active Living</i> , 2019 , 1, 74	2.3	5
175	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
174	Intra- and Post-match Time-Course of Indicators Related to Perceived and Performance Fatigability and Recovery in Elite Youth Soccer Players. <i>Frontiers in Physiology</i> , 2019 , 10, 1383	4.6	3
173	The impact of start strategy on start performance in alpine skiing exists on flat, but not on steep inclines. <i>Journal of Sports Sciences</i> , 2019 , 37, 647-655	3.6	3
172	Protein synthesis signaling in skeletal muscle is refractory to whey protein ingestion during a severe energy deficit evoked by prolonged exercise and caloric restriction. <i>International Journal of Obesity</i> , 2019 , 43, 872-882	5.5	6
171	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
170	N-methylnicotinamide is a signalling molecule produced in skeletal muscle coordinating energy metabolism. <i>Scientific Reports</i> , 2018 , 8, 3016	4.9	29
169	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
168	The Potential Usefulness of Virtual Reality Systems for Athletes: A Short SWOT Analysis. <i>Frontiers in Physiology</i> , 2018 , 9, 128	4.6	36
167	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
166	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
165	The Olympic Biathlon - Recent Advances and Perspectives After Pyeongchang. <i>Frontiers in Physiology</i> , 2018 , 9, 796	4.6	18

164	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
163	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
162	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
161	Developments in the Biomechanics and Equipment of Olympic Cross-Country Skiers. <i>Frontiers in Physiology</i> , 2018 , 9, 976	4.6	12
160	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
159	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
158	The Training of Olympic Alpine Ski Racers. <i>Frontiers in Physiology</i> , 2018 , 9, 1772	4.6	37
157	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
156	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
155	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
154	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
153	Superior Intrinsic Mitochondrial Respiration in Women Than in Men. <i>Frontiers in Physiology</i> , 2018 , 9, 1133	4.6	44
152	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
151	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
150	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
149	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
148	Effect of resistance training with vibration and compression on the formation of muscle and bone. <i>Muscle and Nerve</i> , 2017 , 56, 1137-1142	3.4	4
147	Erythropoietin on cycling performance. <i>Lancet Haematology</i> , 2017 , 4, e462	14.6	2

146	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
145	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
144	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
143	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
142	The Impact of Hyperoxia on Human Performance and Recovery. <i>Sports Medicine</i> , 2017 , 47, 429-438	10.6	26
141	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
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	Factors that Influence the Performance of Elite Sprint Cross-Country Skiers. <i>Sports Medicine</i> , 2017 , 47, 319-342	10.6	23
138	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
137	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
136	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
135	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
134	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
133	A SWOT Analysis of the Use and Potential Misuse of Implantable Monitoring Devices by Athletes. <i>Frontiers in Physiology</i> , 2017 , 8, 629	4.6	3
132	Full course macro-kinematic analysis of a 10 km classical cross-country skiing competition. <i>PLoS ONE</i> , 2017 , 12, e0182262	3.7	25
131	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
130	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
129	High-intensity sprint training inhibits mitochondrial respiration through aconitase inactivation. <i>FASEB Journal</i> , 2016 , 30, 417-27	0.9	48

128	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
127	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
126	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
125	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
124	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
123	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
122	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
121	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
120	Exposure to a combination of heat and hyperoxia during cycling at submaximal intensity does not alter thermoregulatory responses. <i>Biology of Sport</i> , 2016 , 33, 71-6	4.3	2
119	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
118	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
117	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
116	Topical application of cream containing nonivamide and nicoboxil does not enhance the performance of experienced cyclists during a 4-km time-trial. <i>European Journal of Applied Physiology</i> , 2016 , 116, 969-74	3.4	2
115	Biomechanical analysis of different starting strategies utilized during cross-country skiing starts. <i>European Journal of Sport Science</i> , 2016 , 16, 1111-20	3.9	6
114	Is There Evidence that Runners can Benefit from Wearing Compression Clothing?. <i>Sports Medicine</i> , 2016 , 46, 1939-1952	10.6	53
113	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
112	The effects of prior high intensity double poling on subsequent diagonal stride skiing characteristics. <i>SpringerPlus</i> , 2015 , 4, 40		16
111	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

110	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
109	Reply to "Discussion: The kinetics of blood lactate in boys during and following a single and repeated all-out sprints of cycling are different than in men - Do children indeed release and remove lactate faster than adults?". <i>Applied Physiology, Nutrition and Metabolism</i> , 2015 , 40, 634-5	3	
108	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
107	Alterations in aerobic energy expenditure and neuromuscular function during a simulated cross-country skiathlon with the skating technique. <i>Human Movement Science</i> , 2015 , 40, 326-40	2.4	4
106	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
105	Biomechanics of the ski cross start indoors on a customised training ramp and outdoors on snow. <i>Sports Biomechanics</i> , 2015 , 14, 273-86	2.2	2
104	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
103	Cross-country skiing and postexercise heart-rate recovery. <i>International Journal of Sports Physiology and Performance</i> , 2015 , 10, 11-6	3.5	5
102	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
101	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
100	Response. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 2484	1.2	3
99	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
98	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
97	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
96	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
95	Influence of Hypoxic Interval Training and Hyperoxic Recovery on Muscle Activation and Oxygenation in Connection with Double-Poling Exercise. <i>PLoS ONE</i> , 2015 , 10, e0140616	3.7	6
94	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
93	The effect of light reflections from the snow on kinematic data collected using stereo-photogrammetry with passive markers. <i>Sports Engineering</i> , 2014 , 17, 97-102	1.4	5

92	Forces and mechanical energy fluctuations during diagonal stride roller skiing; running on wheels?. <i>Journal of Experimental Biology</i> , 2014 , 217, 3779-85	3	6
91	Impact of the initial classic section during a simulated cross-country skiing skiathlon on the cardiopulmonary responses during the subsequent period of skate skiing. <i>Applied Physiology, Nutrition and Metabolism</i> , 2014 , 39, 911-9	3	1
90	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
89	Biomechanical factors influencing the performance of elite Alpine ski racers. <i>Sports Medicine</i> , 2014 , 44, 519-33	10.6	56
88	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
87	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
86	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
85	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
84	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
83	Running activity profile of adolescent tennis players during match play. <i>Pediatric Exercise Science</i> , 2014 , 26, 281-90	2	31
82	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
81	Does a 3-min all-out test provide suitable measures of exercise intensity at the maximal lactate steady state or peak oxygen uptake for well-trained runners?. <i>International Journal of Sports Physiology and Performance</i> , 2014 , 9, 805-10	3.5	2
80	Validation of test setup to evaluate glide performance in skis. <i>Sports Technology</i> , 2014 , 7, 89-97		5
79	Dynamometric indicators of fatigue from repeated maximal concentric isokinetic plantar flexion contractions are independent of knee flexion angles and age but differ for males and females. <i>Journal of Strength and Conditioning Research</i> , 2014 , 28, 843-55	3.2	5
78	The influence of surface on the running velocities of elite and amateur orienteer athletes. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2014 , 24, e448-455	4.6	5
77	The effects of skiing velocity on mechanical aspects of diagonal cross-country skiing. <i>Sports Biomechanics</i> , 2014 , 13, 267-84	2.2	22
76	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
75	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

74	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
73	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
72	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
71	Physiological comparison of concentric and eccentric arm cycling in males and females. <i>PLoS ONE</i> , 2014 , 9, e112079	3.7	11
70	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
69	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
68	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
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