

Hans-Christer Holmberg

List of Publications by Year in descending order

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Version: 2024-02-01

224
papers

7,508
citations

41258

49
h-index

88477

70
g-index

228
all docs

228
docs citations

228
times ranked

5357
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomechanical Analysis of Double Poling in Elite Cross-Country Skiers. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, 807-818.	0.2	231
2	Maximal muscular vascular conductances during whole body upright exercise in humans. <i>Journal of Physiology</i> , 2004, 558, 319-331.	1.3	162
3	Role of glycogen availability in sarcoplasmic reticulum Ca ²⁺ kinetics in human skeletal muscle. <i>Journal of Physiology</i> , 2011, 589, 711-725.	1.3	159
4	Plasticity in mitochondrial cristae density allows metabolic capacity modulation in human skeletal muscle. <i>Journal of Physiology</i> , 2017, 595, 2839-2847.	1.3	153
5	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.	1.1	142
6	Analysis of sprint cross-country skiing using a differential global navigation satellite system. <i>European Journal of Applied Physiology</i> , 2010, 110, 585-595.	1.2	136
7	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.	1.1	116
8	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, 473-481.	1.2	114
9	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.	1.3	110
10	The physiology of world-class sprint skiers. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2011, 21, e9-16.	1.3	106
11	A Reappraisal of Success Factors for Olympic Cross-Country Skiing. <i>International Journal of Sports Physiology and Performance</i> , 2014, 9, 117-121.	1.1	106
12	Analysis of a sprint ski race and associated laboratory determinants of world-class performance. <i>European Journal of Applied Physiology</i> , 2011, 111, 947-957.	1.2	101
13	Contribution of the Legs to Double-Poling Performance in Elite Cross-Country Skiers. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 1853-1860.	0.2	93
14	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.	1.8	92
15	Human skeletal muscle glycogen utilization in exhaustive exercise: role of subcellular localization and fibre type. <i>Journal of Physiology</i> , 2011, 589, 2871-2885.	1.3	91
16	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.	1.1	87
17	High-intensity interval training improves VO ₂ peak, maximal lactate accumulation, time trial and competition performance in 11-year-old swimmers. <i>European Journal of Applied Physiology</i> , 2010, 110, 1029-1036.	1.2	84
18	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.	1.3	84

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19	Superior Intrinsic Mitochondrial Respiration in Women Than in Men. <i>Frontiers in Physiology</i> , 2018, 9, 1133.	1.3	84
20	Biomechanical Factors Influencing the Performance of Elite Alpine Ski Racers. <i>Sports Medicine</i> , 2014, 44, 519-533.	3.1	83
21	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-C884.	2.1	83
22	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.	0.7	81
23	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, 210-220.	0.2	79
24	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, 1271-1278.	1.0	79
25	The Physiological Capacity of the World's Highest Ranked Female Cross-country Skiers. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1091-1100.	0.2	79
26	Is There Evidence that Runners can Benefit from Wearing Compression Clothing?. <i>Sports Medicine</i> , 2016, 46, 1939-1952.	3.1	76
27	Biomechanical, cardiorespiratory, metabolic and perceived responses to electrically assisted cycling. <i>European Journal of Applied Physiology</i> , 2012, 112, 4015-4025.	1.2	73
28	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.	1.3	72
29	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.	1.2	67
30	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.	1.3	66
31	Repeated Double-Poling Sprint Training in Hypoxia by Competitive Cross-country Skiers. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 809-817.	0.2	66
32	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, 609-614.	1.0	65
33	Force interaction and 3D pole movement in double poling. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2011, 21, e393-404.	1.3	64
34	Biomechanical and energetic determinants of technique selection in classical cross-country skiing. <i>Human Movement Science</i> , 2013, 32, 1415-1429.	0.6	64
35	High-intensity sprint training inhibits mitochondrial respiration through aconitase inactivation. <i>FASEB Journal</i> , 2016, 30, 417-427.	0.2	64
36	The Potential Usefulness of Virtual Reality Systems for Athletes: A Short SWOT Analysis. <i>Frontiers in Physiology</i> , 2018, 9, 128.	1.3	62

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37	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.	1.3	61
38	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-E481.	1.8	60
39	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.	1.3	60
40	Relationships between body composition, body dimensions, and peak speed in cross-country sprint skiing. <i>Journal of Sports Sciences</i> , 2010, 28, 161-169.	1.0	58
41	Wearable, yes, but able to? it is time for evidence-based marketing claims!. <i>British Journal of Sports Medicine</i> , 2017, 51, 1240-1240.	3.1	58
42	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.	1.1	58
43	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.	1.8	58
44	The Training of Olympic Alpine Ski Racers. <i>Frontiers in Physiology</i> , 2018, 9, 1772.	1.3	55
45	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, 1632.	2.1	55
46	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, 1103-1119.	1.2	54
47	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> , 2006, 17, 061120070736012-???	1.3	53
48	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, 353-363.	1.2	53
49	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.	1.3	53
50	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.	1.3	53
51	Double-Poling Biomechanics of Elite Cross-country Skiers. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1580-1589.	0.2	52
52	Reducing the risks for traumatic and overuse injury among competitive alpine skiers. <i>British Journal of Sports Medicine</i> , 2017, 51, 1-2.	3.1	52
53	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.	1.3	52
54	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.	1.3	50

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55	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.	1.3	50
56	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.	1.5	49
57	Effects of 20-s and 180-s double poling interval training in cross-country skiers. <i>European Journal of Applied Physiology</i> , 2004, 92, 121-127.	1.2	48
58	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.	1.2	48
59	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, 2829-2838.	1.2	47
60	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.	1.1	47
61	Factors that Influence the Performance of Elite Sprint Cross-Country Skiers. <i>Sports Medicine</i> , 2017, 47, 319-342.	3.1	45
62	Running Activity Profile of Adolescent Tennis Players During Match Play. <i>Pediatric Exercise Science</i> , 2014, 26, 281-290.	0.5	43
63	N1-methylnicotinamide is a signalling molecule produced in skeletal muscle coordinating energy metabolism. <i>Scientific Reports</i> , 2018, 8, 3016.	1.6	42
64	Gender differences in the physiological responses and kinematic behaviour of elite sprint cross-country skiers. <i>European Journal of Applied Physiology</i> , 2012, 112, 1087-1094.	1.2	41
65	What are the Exercise-Based Injury Prevention Recommendations for Recreational Alpine Skiing and Snowboarding?. <i>Sports Medicine</i> , 2013, 43, 355-366.	3.1	41
66	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.	3.3	41
67	Increase of Hemoglobin Concentration After Maximal Apneas in Divers, Skiers, and Untrained Humans. <i>Applied Physiology, Nutrition, and Metabolism</i> , 2005, 30, 276-281.	1.7	40
68	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, 400-411.	0.8	40
69	No Superior Adaptations to Carbohydrate Periodization in Elite Endurance Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 2486-2497.	0.2	40
70	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, 243-251.	1.8	39
71	The Impact of Hyperoxia on Human Performance and Recovery. <i>Sports Medicine</i> , 2017, 47, 429-438.	3.1	38
72	Local depletion of glycogen with supramaximal exercise in human skeletal muscle fibres. <i>Journal of Physiology</i> , 2017, 595, 2809-2821.	1.3	38

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73	Biomechanical pole and leg characteristics during uphill diagonal roller skiing. <i>Sports Biomechanics</i> , 2009, 8, 318-333.	0.8	37
74	Metabolic Responses and Pacing Strategies during Successive Sprint Skiing Time Trials. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 2544-2554.	0.2	37
75	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.	0.7	36
76	Endurance Training and Sprint Performance in Elite Junior Cross-Country Skiers. <i>Journal of Strength and Conditioning Research</i> , 2011, 25, 1299-1305.	1.0	35
77	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, 4358-4373.	0.2	34
78	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.	1.1	34
79	Cardio-respiratory and metabolic responses to different levels of compression during submaximal exercise. <i>Phlebology</i> , 2011, 26, 102-106.	0.6	33
80	Automatic Classification of the Sub-Techniques (Gears) Used in Cross-Country Ski Skating Employing a Mobile Phone. <i>Sensors</i> , 2014, 14, 20589-20601.	2.1	32
81	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, 121-126.	1.3	31
82	Biomechanically Influenced Differences in O ₂ Extraction in Diagonal Skiing. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 1899-1908.	0.2	31
83	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, 920-928.	1.0	31
84	Full course macro-kinematic analysis of a 10 km classical cross-country skiing competition. <i>PLoS ONE</i> , 2017, 12, e0182262.	1.1	31
85	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, 361-368.	1.1	30
86	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.	1.2	30
87	The Responses of Elite Athletes to Exercise: An All-Day, 24-h Integrative View Is Required!. <i>Frontiers in Physiology</i> , 2017, 8, 564.	1.3	30
88	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.	3.3	29
89	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.	1.4	28
90	Biomechanical determinants of oxygen extraction during cross-country skiing. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2013, 23, e9-20.	1.3	28

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91	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.	1.3	28
92	Neuromuscular and circulatory adaptation during combined arm and leg exercise with different maximal work loads. <i>European Journal of Applied Physiology</i> , 2007, 101, 603-611.	1.2	27
93	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.	1.1	27
94	Elite and Amateur Orienteers' Running Biomechanics on Three Surfaces at Three Speeds. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 381-389.	0.2	27
95	Recent Kinematic and Kinetic Advances in Olympic Alpine Skiing: Pyeongchang and Beyond. <i>Frontiers in Physiology</i> , 2019, 10, 111.	1.3	27
96	Heterogeneity in subcellular muscle glycogen utilisation during exercise impacts endurance capacity in men. <i>Journal of Physiology</i> , 2020, 598, 4271-4292.	1.3	27
97	Reliability and validity of a new double poling ergometer for cross-country skiers. <i>Journal of Sports Sciences</i> , 2008, 26, 171-179.	1.0	26
98	Downhill turn techniques and associated physical characteristics in cross-country skiers. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2014, 24, 708-716.	1.3	26
99	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, 709-714.	0.7	26
100	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.	1.3	26
101	The Olympic Biathlon – Recent Advances and Perspectives After Pyeongchang. <i>Frontiers in Physiology</i> , 2018, 9, 796.	1.3	26
102	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.	1.8	26
103	Recovery From High-Intensity Training Sessions in Female Soccer Players. <i>Journal of Strength and Conditioning Research</i> , 2011, 25, 1726-1735.	1.0	25
104	The effects of skiing velocity on mechanical aspects of diagonal cross-country skiing. <i>Sports Biomechanics</i> , 2014, 13, 267-284.	0.8	25
105	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.	1.3	25
106	Is leg compression beneficial for alpine skiers?. <i>The Sports Medicine, Arthroscopy, Rehabilitation and Technology</i> , 2013, 5, 18.	1.0	24
107	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, 3739-3748.	1.3	23
108	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, 234-242.	1.1	22

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109	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, 488-497.	1.3	22
110	Reliability and Validity of the CORE Sensor to Assess Core Body Temperature during Cycling Exercise. <i>Sensors</i> , 2021, 21, 5932.	2.1	22
111	Development of a Novel Eccentric Arm Cycle Ergometer for Training the Upper Body. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 206-211.	0.2	21
112	Biomechanical characteristics and speed adaptation during kick double poling on roller skis in elite cross-country skiers. <i>Sports Biomechanics</i> , 2013, 12, 154-174.	0.8	21
113	Does Upper-Body Compression Improve 3 Å— 3-Min Double-Poling Sprint Performance?. <i>International Journal of Sports Physiology and Performance</i> , 2014, 9, 48-57.	1.1	21
114	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.	0.7	21
115	Insufficient ventilation as a cause of impaired pulmonary gas exchange during submaximal exercise. <i>Respiratory Physiology and Neurobiology</i> , 2007, 157, 348-359.	0.7	20
116	How Gate Setup and Turn Radii Influence Energy Dissipation in Slalom Ski Racing. <i>Journal of Applied Biomechanics</i> , 2010, 26, 454-464.	0.3	20
117	Changes in performance and poling kinetics during cross-country sprint skiing competition using the double-poling technique. <i>Sports Biomechanics</i> , 2013, 12, 355-364.	0.8	20
118	Muscle Oxygenation Asymmetry in Ice Speed Skaters: Not Compensated by Compression. <i>International Journal of Sports Physiology and Performance</i> , 2014, 9, 58-67.	1.1	20
119	Effect of Carrying a Rifle on Physiology and Biomechanical Responses in Biathletes. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 617-624.	0.2	20
120	Developments in the Biomechanics and Equipment of Olympic Cross-Country Skiers. <i>Frontiers in Physiology</i> , 2018, 9, 976.	1.3	20
121	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.	0.9	20
122	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.	1.3	20
123	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.	1.3	19
124	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, 1512-1519.	0.7	19
125	Mechanical Energy and Propulsion in Ergometer Double Poling by Cross-country Skiers. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 2586-2594.	0.2	19
126	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.	1.3	19

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127	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.	1.3	19
128	Individual versus Standardized Running Protocols in the Determination of VO ₂ max. <i>Journal of Sports Science and Medicine</i> , 2015, 14, 386-93.	0.7	19
129	The effects of prior high intensity double poling on subsequent diagonal stride skiing characteristics. <i>SpringerPlus</i> , 2015, 4, 40.	1.2	18
130	Exercise Mitigates the Loss of Muscle Mass by Attenuating the Activation of Autophagy during Severe Energy Deficit. <i>Nutrients</i> , 2019, 11, 2824.	1.7	18
131	Effects of hyperoxia during recovery from 5Å–30-s bouts of maximal-intensity exercise. <i>Journal of Sports Sciences</i> , 2012, 30, 851-858.	1.0	17
132	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.	1.3	17
133	Editorial: Wearable Sensor Technology for Monitoring Training Load and Health in the Athletic Population. <i>Frontiers in Physiology</i> , 2019, 10, 1520.	1.3	17
134	Predefined vs dataâ€‘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.	1.3	17
135	Virtual Training of Endurance Cycling â€‘ A Summary of Strengths, Weaknesses, Opportunities and Threats. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 631101.	0.9	17
136	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.	0.6	17
137	Physiological Comparison of Concentric and Eccentric Arm Cycling in Males and Females. <i>PLoS ONE</i> , 2014, 9, e112079.	1.1	17
138	Ski Mountaineering: Perspectives on a Novel Sport to Be Introduced at the 2026 Winter Olympic Games. <i>Frontiers in Physiology</i> , 2021, 12, 737249.	1.3	17
139	Knee angle-specific MVC for triceps surae EMG signal normalization in weight and non weight-bearing conditions. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 916-923.	0.7	16
140	Biomechanical analysis of the herringbone technique as employed by elite crossâ€‘country skiers. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2014, 24, 542-552.	1.3	16
141	Three-dimensional Force and Kinematic Interactions in V1 Skating at High Speeds. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 1232-1242.	0.2	16
142	Whole-Body Vibrations Associated With Alpine Skiing: A Risk Factor for Low Back Pain?. <i>Frontiers in Physiology</i> , 2018, 9, 204.	1.3	16
143	A timeâ€‘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, 223-233.	1.3	15
144	Macro-Kinematic Differences Between Sprint and Distance Cross-Country Skiing Competitions Using the Classical Technique. <i>Frontiers in Physiology</i> , 2018, 9, 570.	1.3	15

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145	Pre-exposure to hyperoxic air does not enhance power output during subsequent sprint cycling. <i>European Journal of Applied Physiology</i> , 2010, 110, 301-305.	1.2	14
146	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.	0.7	14
147	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.	1.1	14
148	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, 41-47.	1.1	14
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