

Martin Behrens

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

42
papers

625
citations

15
h-index

23
g-index

47
ext. papers

797
ext. citations

3.6
avg, IF

3.99
L-index

#	Paper	IF	Citations
42	Effects of a 6-Min Treadmill Walking Test on Dual-Task Gait Performance and Prefrontal Hemodynamics in People With Multiple Sclerosis.. <i>Frontiers in Neurology</i> , 2022 , 13, 822952	4.1	1
41	Low-Load Unilateral and Bilateral Resistance Training to Restore Lower Limb Function in the Early Rehabilitation After Total Knee Arthroplasty: A Randomized Active-Controlled Clinical Trial. <i>Frontiers in Medicine</i> , 2021 , 8, 628021	4.9	1
40	Ischemic Preconditioning Did Not Affect Central and Peripheral Factors of Performance Fatigability After Submaximal Isometric Exercise. <i>Frontiers in Physiology</i> , 2020 , 11, 371	4.6	4
39	Motivation and preferences of cancer patients to perform physical training. <i>European Journal of Cancer Care</i> , 2020 , 29, e13246	2.4	1
38	Feasibility and Effects of a Supervised Exercise Program Suitable for Independent Training at Home on Physical Function and Quality of Life in Head and Neck Cancer Patients: A Pilot Study. <i>Integrative Cancer Therapies</i> , 2020 , 19, 1534735420918935	3	5
37	Time to Differentiate Postactivation "Potentiation" from "Performance Enhancement" in the Strength and Conditioning Community. <i>Sports Medicine</i> , 2020 , 50, 1559-1565	10.6	20
36	Neuromuscular Properties of the Human Wrist Flexors as a Function of the Wrist Joint Angle. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 181	5.8	8
35	Dietary Nitrate Supplementation Improves Exercise Tolerance by Reducing Muscle Fatigue and Perceptual Responses. <i>Frontiers in Physiology</i> , 2019 , 10, 404	4.6	24
34	Intrarater Reliability of Muscle Strength and Hamstring to Quadriceps Strength Imbalance Ratios During Concentric, Isometric, and Eccentric Maximal Voluntary Contractions Using the Isoforce Dynamometer. <i>Clinical Journal of Sport Medicine</i> , 2019 , 29, 69-77	3.2	6
33	The mental representation of the human gait in patients with severe knee osteoarthritis: a clinical study to aid understanding of impairment and disability. <i>Clinical Rehabilitation</i> , 2018 , 32, 103-115	3.3	4
32	Mental Fatigue Increases Gait Variability During Dual-task Walking in Old Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018 , 73, 792-797	6.4	31
31	Impact of Blood Flow Restriction Exercise on Muscle Fatigue Development and Recovery. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 436-446	1.2	32
30	Central Factors Contribute to Knee Extensor Strength Loss after 2000-m Rowing in Elite Male and Female Rowers. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 440-449	1.2	8
29	Intersession reliability of the interpolated twitch technique applied during isometric, concentric, and eccentric actions of the human knee extensor muscles. <i>Muscle and Nerve</i> , 2017 , 56, 324-327	3.4	10
28	Modified step aerobics training and neuromuscular function in osteoporotic patients: a randomized controlled pilot study. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2017 , 137, 195-207	3.6	4
27	Neuromuscular function of the quadriceps muscle during isometric maximal, submaximal and submaximal fatiguing voluntary contractions in knee osteoarthritis patients. <i>PLoS ONE</i> , 2017 , 12, e0176976	3.7	14
26	Muscle length matters: new insights into the neural control of lengthening muscle actions of the knee extensors. <i>Experimental Physiology</i> , 2017 , 102, 1393-1394	2.4	3

25	Cycling before and after Exhaustion Differently Affects Cardiac Autonomic Control during Heart Rate Matched Exercise. <i>Frontiers in Physiology</i> , 2017 , 8, 844	4.6	1
24	Neuromuscular Activation During Short-Track Speed Skating in Young Athletes. <i>International Journal of Sports Physiology and Performance</i> , 2016 , 11, 848-854	3.5	5
23	The Bindex(□) ultrasound device: reliability of cortical bone thickness measures and their relationship to regional bone mineral density. <i>Physiological Measurement</i> , 2016 , 37, 1528-40	2.9	6
22	Plyometric training improves voluntary activation and strength during isometric, concentric and eccentric contractions. <i>Journal of Science and Medicine in Sport</i> , 2016 , 19, 170-6	4.4	38
21	Relationship between muscle volume and contractile properties of the human knee extensors. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016 , 41, 110-3	3	8
20	The effect of age on coordination of stabilization during changing environmental dynamics. <i>Brain Research</i> , 2015 , 1604, 98-106	3.7	3
19	Effects of breathing patterns and light exercise on linear and nonlinear heart rate variability. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015 , 40, 762-8	3	24
18	Age-related differences in corticomotor facilitation indicate dedifferentiation in motor planning. <i>Experimental Gerontology</i> , 2015 , 65, 79-84	4.5	14
17	Alteration in neuromuscular function of the plantar flexors following caffeine ingestion. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015 , 25, e50-8	4.6	18
16	Repetitive jumping and sprinting until exhaustion alters hamstring reflex responses and tibial translation in males and females. <i>Journal of Orthopaedic Research</i> , 2015 , 33, 1687-92	3.8	12
15	Neuromuscular function and fatigue resistance of the plantar flexors following short-term cycling endurance training. <i>Frontiers in Physiology</i> , 2015 , 6, 145	4.6	6
14	Muscular contraction mode differently affects autonomic control during heart rate matched exercise. <i>Frontiers in Physiology</i> , 2015 , 6, 156	4.6	10
13	The mental representation of the human gait in young and older adults. <i>Frontiers in Psychology</i> , 2015 , 6, 943	3.4	26
12	Modulation and predictors of periprosthetic bone mineral density following total knee arthroplasty. <i>BioMed Research International</i> , 2015 , 2015, 418168	3	11
11	Caffeine-induced increase in voluntary activation and strength of the quadriceps muscle during isometric, concentric and eccentric contractions. <i>Scientific Reports</i> , 2015 , 5, 10209	4.9	46
10	The Relationship between Lean Mass and Contractile Properties of the Quadriceps in Elderly and Young Adults. <i>Gerontology</i> , 2015 , 61, 350-4	5.5	6
9	Effect of balance training on neuromuscular function at rest and during isometric maximum voluntary contraction. <i>European Journal of Applied Physiology</i> , 2015 , 115, 1075-85	3.4	11
8	The effect of continuous passive motion and sling exercise training on clinical and functional outcomes following total knee arthroplasty: a randomized active-controlled clinical study. <i>Health and Quality of Life Outcomes</i> , 2014 , 12, 68	3	28

7	Effect of plyometric training on neural and mechanical properties of the knee extensor muscles. <i>International Journal of Sports Medicine</i> , 2014 , 35, 101-19	3.6	28
6	Sample Entropy and Traditional Measures of Heart Rate Dynamics Reveal Different Modes of Cardiovascular Control During Low Intensity Exercise. <i>Entropy</i> , 2014 , 16, 5698-5711	2.8	34
5	Age-related changes in neuromuscular function of the quadriceps muscle in physically active adults. <i>Journal of Electromyography and Kinesiology</i> , 2013 , 23, 640-8	2.5	29
4	Effect of fatigue on hamstring reflex responses and posterior-anterior tibial translation in men and women. <i>PLoS ONE</i> , 2013 , 8, e56988	3.7	11
3	Metabolic monitoring and assessment of anaerobic threshold by means of breath biomarkers. <i>Metabolomics</i> , 2012 , 8, 1069-1080	4.7	33
2	Effect of exercise-induced muscle damage on neuromuscular function of the quadriceps muscle. <i>International Journal of Sports Medicine</i> , 2012 , 33, 600-6	3.6	37
1	Combined sensorimotor and resistance training for young short track speed skaters: A case study. <i>Isokinetics and Exercise Science</i> , 2010 , 18, 193-200	0.6	3