

Martin Behrens

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

966
citations

535685

17
h-index

536525

29
g-index

47
all docs

47
docs citations

47
times ranked

1467
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.1	3
2	New insights into the effects of acute intermittent hypoxia on neural plasticity in the human motor system. <i>Experimental Physiology</i> , 2022, 107, 560-561.	0.9	0
3	Instrumented Assessment of Motor Performance Fatigability During the 6-Min Walk Test in Mildly Affected People With Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2022, 13, .	1.1	5
4	Effects of Intermittent Hypoxiaâ€“Hyperoxia on Performance- and Health-Related Outcomes in Humans: A Systematic Review. <i>Sports Medicine - Open</i> , 2022, 8, .	1.3	21
5	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.	1.2	4
6	Time to Save Time: Beneficial Effects of Blood Flow Restriction Training and the Need to Quantify the Time Potentially Saved by its Application during Musculoskeletal Rehabilitation. <i>Physical Therapy</i> , 2021, 101, .	1.1	4
7	Ischemic Preconditioning Did Not Affect Central and Peripheral Factors of Performance Fatigability After Submaximal Isometric Exercise. <i>Frontiers in Physiology</i> , 2020, 11, 371.	1.3	9
8	Motivation and preferences of cancer patients to perform physical training. <i>European Journal of Cancer Care</i> , 2020, 29, e13246.	0.7	4
9	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, 153473542091893.	0.8	11
10	Time to Differentiate Postactivation â€œPotentiationâ€ from â€œPerformance Enhancementâ€ in the Strength and Conditioning Community. <i>Sports Medicine</i> , 2020, 50, 1559-1565.	3.1	64
11	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.	2.0	11
12	Dietary Nitrate Supplementation Improves Exercise Tolerance by Reducing Muscle Fatigue and Perceptual Responses. <i>Frontiers in Physiology</i> , 2019, 10, 404.	1.3	43
13	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.	0.9	10
14	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.	1.0	5
15	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.	1.7	49
16	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.	0.2	56
17	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.	0.2	9
18	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.	1.0	19

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19	Modified step aerobics training and neuromuscular function in osteoporotic patients: a randomized controlled pilot study. Archives of Orthopaedic and Trauma Surgery, 2017, 137, 195-207.	1.3	5
20	Muscle length matters: new insights into the neural control of lengthening muscle actions of the knee extensors. Experimental Physiology, 2017, 102, 1393-1394.	0.9	4
21	Cycling before and after Exhaustion Differently Affects Cardiac Autonomic Control during Heart Rate Matched Exercise. Frontiers in Physiology, 2017, 8, 844.	1.3	3
22	Neuromuscular function of the quadriceps muscle during isometric maximal, submaximal and submaximal fatiguing voluntary contractions in knee osteoarthritis patients. PLoS ONE, 2017, 12, e0176976.	1.1	22
23	Mental Fatigue Impairs Gait Performance In Old Adults: A New Risk Factor For Falls In The Elderly?. , 2017, , .		0
24	Neuromuscular Activation During Short-Track Speed Skating in Young Athletes. International Journal of Sports Physiology and Performance, 2016, 11, 848-854.	1.1	11
25	The Bindex [®] ultrasound device: reliability of cortical bone thickness measures and their relationship to regional bone mineral density. Physiological Measurement, 2016, 37, 1528-1540.	1.2	8
26	Plyometric training improves voluntary activation and strength during isometric, concentric and eccentric contractions. Journal of Science and Medicine in Sport, 2016, 19, 170-176.	0.6	43
27	Relationship between muscle volume and contractile properties of the human knee extensors. Applied Physiology, Nutrition and Metabolism, 2016, 41, 110-113.	0.9	8
28	Repetitive jumping and sprinting until exhaustion alters hamstring reflex responses and tibial translation in males and females. Journal of Orthopaedic Research, 2015, 33, 1687-1692.	1.2	17
29	Neuromuscular function and fatigue resistance of the plantar flexors following short-term cycling endurance training. Frontiers in Physiology, 2015, 6, 145.	1.3	8
30	Muscular contraction mode differently affects autonomic control during heart rate matched exercise. Frontiers in Physiology, 2015, 6, 156.	1.3	14
31	The mental representation of the human gait in young and older adults. Frontiers in Psychology, 2015, 6, 943.	1.1	42
32	Modulation and Predictors of Periprosthetic Bone Mineral Density following Total Knee Arthroplasty. BioMed Research International, 2015, 2015, 1-10.	0.9	19
33	Caffeine-induced increase in voluntary activation and strength of the quadriceps muscle during isometric, concentric and eccentric contractions. Scientific Reports, 2015, 5, 10209.	1.6	65
34	The Relationship between Lean Mass and Contractile Properties of the Quadriceps in Elderly and Young Adults. Gerontology, 2015, 61, 350-354.	1.4	8
35	Effect of balance training on neuromuscular function at rest and during isometric maximum voluntary contraction. European Journal of Applied Physiology, 2015, 115, 1075-1085.	1.2	16
36	The effect of age on coordination of stabilization during changing environmental dynamics. Brain Research, 2015, 1604, 98-106.	1.1	4

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37	Effects of breathing patterns and light exercise on linear and nonlinear heart rate variability. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015, 40, 762-768.	0.9	32
38	Age-related differences in corticomotor facilitation indicate dedifferentiation in motor planning. <i>Experimental Gerontology</i> , 2015, 65, 79-84.	1.2	18
39	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.	1.3	20
40	Effect of Plyometric Training on Neural and Mechanical Properties of the Knee Extensor Muscles. <i>International Journal of Sports Medicine</i> , 2014, 35, 101-119.	0.8	34
41	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.	1.1	46
42	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.	1.0	38
43	Age-related changes in neuromuscular function of the quadriceps muscle in physically active adults. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 640-648.	0.7	36
44	Effect of Fatigue on Hamstring Reflex Responses and Posterior-Anterior Tibial Translation in Men and Women. <i>PLoS ONE</i> , 2013, 8, e56988.	1.1	20
45	Effect of Exercise-induced Muscle Damage on Neuromuscular Function of the Quadriceps Muscle. <i>International Journal of Sports Medicine</i> , 2012, 33, 600-606.	0.8	46
46	Metabolic monitoring and assessment of anaerobic threshold by means of breath biomarkers. <i>Metabolomics</i> , 2012, 8, 1069-1080.	1.4	49
47	Combined sensorimotor and resistance training for young short track speed skaters: A case study. <i>Isokinetics and Exercise Science</i> , 2010, 18, 193-200.	0.2	3