Richard J Schmidt

List of Publications by Year
in descending order

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Version: 2024-02-01

47	431	933447	839539
papers	citations	10 h-index	18 g-index

47	47	47	405
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Muscle activation during three sets to failure at 80 vs. 30Â% 1RM resistance exercise. European Journal of Applied Physiology, 2015, 115, 2335-2347.	2.5	91
2	Electromyographic and mechanomyographic responses across repeated maximal isometric and concentric muscle actions of the leg extensors. Journal of Electromyography and Kinesiology, 2013, 23, 342-348.	1.7	32
3	Low-load blood flow restriction elicits greater concentric strength than non-blood flow restriction resistance training but similar isometric strength and muscle size. European Journal of Applied Physiology, 2020, 120, 425-441.	2.5	18
4	A Model for Identifying Intensity Zones Above Critical Velocity. Journal of Strength and Conditioning Research, 2017, 31, 3260-3265.	2.1	17
5	Combining regression and mean comparisons to identify the time course of changes in neuromuscular responses during the process of fatigue. Physiological Measurement, 2016, 37, 1993-2002.	2.1	16
6	Mechanomyographic and Electromyographic Responses During Fatiguing Eccentric Muscle Actions of the Leg Extensors. Journal of Applied Biomechanics, 2014, 30, 255-261.	0.8	15
7	Effects of Velocity on Electromyographic, Mechanomyographic, and Torque Responses to Repeated Eccentric Muscle Actions. Journal of Strength and Conditioning Research, 2016, 30, 1743-1751.	2.1	13
8	Inter-individual variability in the patterns of responses for electromyography and mechanomyography during cycle ergometry using an RPE-clamp model. European Journal of Applied Physiology, 2016, 116, 1639-1649.	2.5	13
9	Plasma Ammonia Concentrations and the Slow Component of Oxygen Uptake Kinetics During Cycle Ergometry. Journal of Strength and Conditioning Research, 2008, 22, 2018-2026.	2.1	12
10	Neuromuscular responses of recreationally active women during a sustained, submaximal isometric leg extension muscle action at a constant perception of effort. European Journal of Applied Physiology, 2018, 118, 2499-2508.	2.5	12
11	Electromyographic, mechanomyographic, and metabolic responses during cycle ergometry at a constant rating of perceived exertion. Applied Physiology, Nutrition and Metabolism, 2015, 40, 1178-1185.	1.9	11
12	Factors underlying the perception of effort during constant heart rate running above and below the critical heart rate. European Journal of Applied Physiology, 2015, 115, 2231-2241.	2.5	11
13	Muscle- and Mode-Specific Responses of the Forearm Flexors to Fatiguing, Concentric Muscle Actions. Sports, 2016, 4, 47.	1.7	11
14	Effects of intensity on muscle-specific voluntary electromechanical delay and relaxation electromechanical delay. Journal of Sports Sciences, 2018, 36, 1196-1203.	2.0	10
15	Eccentric and concentric blood flow restriction resistance training on indices of delayed onset muscle soreness in untrained women. European Journal of Applied Physiology, 2019, 119, 2363-2373.	2.5	10
16	Self-Regulated Force and Neuromuscular Responses During Fatiguing Isometric Leg Extensions Anchored to a Rating of Perceived Exertion. Applied Psychophysiology Biofeedback, 2019, 44, 343-350.	1.7	10
17	Are There Sex-Specific Neuromuscular or Force Responses to Fatiguing Isometric Muscle Actions Anchored to a High Perceptual Intensity?. Journal of Strength and Conditioning Research, 2019, Publish Ahead of Print, .	2.1	10
18	Changes in electromechanical delay during fatiguing dynamic muscle actions. Muscle and Nerve, 2017, 56, 315-320.	2.2	8

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19	Co-Activation, Estimated Anterior and Posterior Cruciate Ligament Forces, and Motor Unit Activation Strategies during the Time Course of Fatigue. Sports, 2018, 6, 104.	1.7	8
20	Sex differences in muscle excitation and oxygenation, but not in force fluctuations or active hyperemia resulting from a fatiguing, bilateral isometric task. Physiological Measurement, 2021, 42, 115004.	2.1	8
21	The effects of anatabine on non-invasive indicators of muscle damage: a randomized, double-blind, placebo-controlled, crossover study. Journal of the International Society of Sports Nutrition, 2013, 10, 33.	3.9	7
22	Comparisons of muscle strength, size, and voluntary activation in pre- and post-pubescent males and females. European Journal of Applied Physiology, 2021, 121, 2487-2497.	2.5	7
23	The effects of Shilajit supplementation on fatigue-induced decreases in muscular strength and serum hydroxyproline levels. Journal of the International Society of Sports Nutrition, 2019, 16, 3.	3.9	6
24	Patterns of responses and time-course of changes in muscle size and strength during low-load blood flow restriction resistance training in women. European Journal of Applied Physiology, 2021, 121, 1473-1485.	2.5	6
25	Effects of anatabine and unilateral maximal eccentric isokinetic muscle actions on serum markers of muscle damage and inflammation. European Journal of Pharmacology, 2014, 728, 161-166.	3.5	5
26	Echo intensity is weakly associated with muscular strength and endurance in young, healthy adults. Research in Sports Medicine, 2022, 30, 371-382.	1.3	5
27	Men Exhibit Greater Pain Pressure Thresholds and Times to Task Failure but Not Performance Fatigability Following Self-Paced Exercise. Perceptual and Motor Skills, 2021, 128, 2326-2345.	1.3	5
28	Time Course of Changes in Neuromuscular Responses at 30% versus 70% 1 Repetition Maximum during Dynamic Constant External Resistance Leg Extensions to Failure. International Journal of Exercise Science, 2017, 10, 365-378.	0.5	5
29	Velocity-Specific Coactivation and Neuromuscular Responses to Fatiguing, Reciprocal, Isokinetic, Forearm Flexion, and Extension Muscle Actions. Journal of Strength and Conditioning Research, 2022, 36, 649-660.	2.1	5
30	Individual Responses for Muscle Activation, Repetitions, and Volume during Three Sets to Failure of High- (80% 1RM) versus Low-Load (30% 1RM) Forearm Flexion Resistance Exercise. Sports, 2015, 3, 269-280.	1.7	4
31	Basic reporting and interpretation of surface EMG amplitude and mean power frequency: a reply to Vitgotsky, Ogborn, and Phillips. European Journal of Applied Physiology, 2016, 116, 659-661.	2.5	4
32	Variable resistance training versus traditional weight training on the reflex pathway following four weeks of leg press training. Somatosensory & Motor Research, 2019, 36, 223-229.	0.9	4
33	Sex-Related Differences in Performance Fatigability Independent of Blood Flow Following a Sustained Muscle Action at a Low Perceptual Intensity. Journal of Science in Sport and Exercise, 2020, 2, 173-182.	1.0	4
34	The contributions of arterial cross-sectional area and time-averaged flow velocity to arterial blood flow. Journal of Medical Ultrasound, 2018, 26, 186.	0.4	4
35	Sex differences for fatigue-induced changes in muscle blood flow, but not eccentric peak torque or neuromuscular responses. Journal of Musculoskeletal Neuronal Interactions, 2018, 18, 427-437.	0.1	4
36	Influences of Interelectrode Distance and Innervation Zone on Electromyographic Signals. International Journal of Sports Medicine, 2017, 38, 111-117.	1.7	3

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37	Acute changes in muscle thickness, edema, and blood flow are not different between lowâ€load blood flow restriction and nonâ€blood flow restriction. Clinical Physiology and Functional Imaging, 2021, 41, 452-460.	1.2	3
38	Telemetered Heart Rates Recorded during Karate Katas: A Case Study. Research Quarterly American Association for Health Physical Education and Recreation, 1973, 44, 501-505.	0.0	2
39	The effects of gender and very short-term resistance training on peak torque, average power and neuromuscular responses of the forearm flexors. Isokinetics and Exercise Science, 2014, 22, 123-130.	0.4	2
40	The effects of velocity on peak torque and neuromuscular responses during eccentric muscle actions. Isokinetics and Exercise Science, 2016, 24, 1-6.	0.4	2
41	Effects of Fatigue on Voluntary Electromechanical and Relaxation Electromechanical Delay. International Journal of Sports Medicine, 2017, 38, 763-769.	1.7	2
42	Sex- and Mode-specific Responses to Eccentric Muscle Fatigue. International Journal of Sports Medicine, 2018, 39, 893-901.	1.7	2
43	Coactivation does not contribute to fatigue-induced decreases in torque during reciprocal, isokinetic muscle actions. Isokinetics and Exercise Science, 2022, , 1-14.	0.4	2
44	Time course of changes in neuromuscular responses during rides to exhaustion above and below critical power. Journal of Musculoskeletal Neuronal Interactions, 2019, 19, 266-275.	0.1	1
45	Neuromuscular responses of the superficial quadriceps femoris muscles: muscle specific fatigue and inter-individual variability during severe intensity treadmill running. Journal of Musculoskeletal Neuronal Interactions, 2020, 20, 77-87.	0.1	1
46	Velocity-Dependent Changes in Electrical Efficiency of the Leg Extensors during Eccentric Isokinetic Muscle Actions. International Journal of Sports Medicine, 2018, 39, 264-269.	1.7	0
47	The Effects of Work-to-Rest Ratios on Torque, Electromyographic, and Mechanomyographic Responses to Fatiguing Workbouts. International Journal of Exercise Science, 2017, 10, 580-591.	0.5	0