

Nathaniel D M Jenkins

List of Publications by Year in Descending Order

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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.

91 papers	950 citations	16 h-index	26 g-index
116 ext. papers	1,234 ext. citations	2.3 avg, IF	4.39 L-index

#	Paper	IF	Citations
91	The Influence of Motor Unit Number and Muscle Activation on Early Phase Rate of Torque Development in Younger and Older Men. <i>Journal of Motor Behavior</i> , 2021 , 1-7	1.4	
90	Increases in motor unit action potential amplitudes are related to muscle hypertrophy following eight weeks of high-intensity exercise training in females. <i>European Journal of Sport Science</i> , 2021 , 21, 1403-1413	3.9	2
89	The reliability of an abbreviated fat tolerance test: A comparison to the oral glucose tolerance test. <i>Clinical Nutrition ESPEN</i> , 2021 , 43, 428-435	1.3	3
88	Who would benefit most from postprandial lipid screening?. <i>Clinical Nutrition</i> , 2021 , 40, 4762-4771	5.9	1
87	Electromyographic amplitude versus torque relationships are different in young versus postmenopausal females and are related to muscle mass after controlling for bodyweight. <i>European Journal of Applied Physiology</i> , 2021 , 121, 479-488	3.4	1
86	International society of sports nutrition position stand: caffeine and exercise performance. <i>Journal of the International Society of Sports Nutrition</i> , 2021 , 18, 1	4.5	67
85	Childhood psychosocial stress is linked with impaired vascular endothelial function, lower SIRT1, and oxidative stress in young adulthood. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 321, H532-H541	5.2	4
84	The contributory role of vascular health in age-related anabolic resistance.. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021 ,	10.3	2
83	Postprandial Metabolism and Vascular Function: Impact of Aging and Physical Activity Level. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2020 , 1-8	4.4	4
82	Differences in Rotational Kinetics and Kinematics for Professional Baseball Pitchers With Higher Versus Lower Pitch Velocities. <i>Journal of Applied Biomechanics</i> , 2020 , 1-8	1.2	18
81	Neuromuscular responses of the superficial quadriceps femoris muscles: muscle specific fatigue and inter-individual variability during severe intensity treadmill running. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2020 , 20, 77-87	1.3	1
80	Resistance exercise attenuates postprandial metabolic responses to a high-fat meal similarly in younger and older men. <i>Nutrition Research</i> , 2020 , 83, 73-85	4	2
79	Normative Reference Values for High School-Aged American Football Players. <i>Journal of Strength and Conditioning Research</i> , 2020 , 34, 2849-2856	3.2	4
78	Normative Reference Values for High School-Aged American Football Players: Proagility Drill and 40-Yard Dash Split Times. <i>Journal of Strength and Conditioning Research</i> , 2020 , 34, 1184-1187	3.2	2
77	Treadmill running using an RPE-clamp model: mediators of perception and implications for exercise prescription. <i>European Journal of Applied Physiology</i> , 2019 , 119, 2083-2094	3.4	2
76	Genetic Polymorphisms in ADORA2A and CYP1A2 Influence Caffeine's Effect on Postprandial Glycaemia. <i>Scientific Reports</i> , 2019 , 9, 10532	4.9	8
75	Maximal contraction methods influence the magnitude and reliability of global electromyographic signal characteristics. <i>Journal of Electromyography and Kinesiology</i> , 2019 , 48, 121-127	2.5	5

74	Time course of changes in neuromuscular responses during rides to exhaustion above and below critical power. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2019 , 19, 266-275	1.3	1
73	Time Courses of Changes In Perceptual, Respiratory, and Neuromuscular Responses in the Severe Intensity Domain. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 387-388	1.2	
72	Impact of Fatiguing, Submaximal High- vs. Low-Torque Isometric Exercise on Acute Muscle Swelling, and Echo Intensity in Resistance-Trained Men. <i>Journal of Strength and Conditioning Research</i> , 2019 , 33, 1007-1019	3.2	3
71	Effects of fatiguing, submaximal high- versus low-torque isometric exercise on motor unit recruitment and firing behavior. <i>Physiological Reports</i> , 2018 , 6, e13675	2.6	17
70	Training Volume, Not Frequency, Indicative of Maximal Strength Adaptations to Resistance Training. <i>Journal of Strength and Conditioning Research</i> , 2018 , 32, 1207-1213	3.2	29
69	Role of Rotational Kinematics in Minimizing Elbow Varus Torques for Professional Versus High School Pitchers. <i>Orthopaedic Journal of Sports Medicine</i> , 2018 , 6, 2325967118760780	3.5	28
68	Muscle phenotype is related to motor unit behavior of the vastus lateralis during maximal isometric contractions. <i>Physiological Reports</i> , 2018 , 6, e13636	2.6	12
67	Muscle size, strength, power, and echo intensity, but not specific tension, are affected by age in physically active adults. <i>Isokinetics and Exercise Science</i> , 2018 , 26, 95-103	0.6	3
66	Reliability and Sensitivity of the Power Push-up Test for Upper-Body Strength and Power in 6-15-Year-Old Male Athletes. <i>Journal of Strength and Conditioning Research</i> , 2018 , 32, 83-96	3.2	7
65	Global electromyographic signal characteristics depend on maximal isometric contraction method in the knee extensors. <i>Journal of Electromyography and Kinesiology</i> , 2018 , 42, 111-116	2.5	7
64	Reliability and differences in quadriceps femoris muscle morphology using ultrasonography: The effects of body position and rest time. <i>Ultrasound</i> , 2018 , 26, 214-221	1.3	13
63	Both Slower Sensory Response Time and Electromechanical Delay Explain Age-related Differences in the Reactive Leg Drop. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 571	1.2	
62	Antagonist Coactivation During A Reactive Leg Drop In Young And Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 556-557	1.2	
61	Inter-individual Variability in Metabolic and Neuromuscular Responses During Continuous Exercise Above and Below Critical Power. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 667	1.2	
60	Genetic variant in the β adrenergic receptor (Arg16Gly) influences fat-free mass, muscle strength and motor unit behaviour in young men. <i>Experimental Physiology</i> , 2018 , 103, 1645-1655	2.4	3
59	The influence of input excitation on the inter- and intra-day reliability of the motor unit firing rate versus recruitment threshold relationship. <i>Journal of Neurophysiology</i> , 2018 , 120, 3131-3139	3.2	12
58	Relationships between Motor Unit Behavior during Maximal Effort Contractions and Skeletal Muscle Phenotype. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 201	1.2	
57	Isokinetic Dynamometry in Healthy Versus Sarcopenic and Malnourished Elderly: Beyond Simple Measurements of Muscle Strength. <i>Journal of Applied Gerontology</i> , 2017 , 36, 709-732	3.3	11

56	Influence of stretching velocity on musculotendinous stiffness of the hamstrings during passive straight-leg raise assessments. <i>Musculoskeletal Science and Practice</i> , 2017 , 30, 80-85	2.4	6
55	A Model for Identifying Intensity Zones Above Critical Velocity. <i>Journal of Strength and Conditioning Research</i> , 2017 , 31, 3260-3265	3.2	10
54	Exertional Rhabdomyolysis in a 21-Year-Old Healthy Woman: A Case Report. <i>Journal of Strength and Conditioning Research</i> , 2017 , 31, 1403-1410	3.2	7
53	Reliability and Minimum Detectable Change for Common Clinical Physical Function Tests in Sarcopenic Men and Women. <i>Journal of the American Geriatrics Society</i> , 2017 , 65, 839-846	5.6	6
52	Influences of Interelectrode Distance and Innervation Zone on Electromyographic Signals. <i>International Journal of Sports Medicine</i> , 2017 , 38, 111-117	3.6	2
51	Molecular, neuromuscular, and recovery responses to light versus heavy resistance exercise in young men. <i>Physiological Reports</i> , 2017 , 5, e13457	2.6	26
50	Comparison Of Quadriceps Femoris Muscle Morphology Using Ultrasonography During Two Different Body Positions. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 466	1.2	
49	Effects of a pre-workout supplement on hyperemia following leg extension resistance exercise to failure with different resistance loads. <i>Journal of the International Society of Sports Nutrition</i> , 2017 , 14, 38	4.5	9
48	Mechanomyographic responses during recruitment curves in the soleus muscle. <i>Muscle and Nerve</i> , 2017 , 56, 107-116	3.4	2
47	Effects of a Pre-Workout Supplement on Hyperemia Following Leg Extension Resistance Exercise at Different Intensities. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 83	1.2	
46	Effects of Speed and Agility Training on Combine Performance in Young Male Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 968	1.2	
45	Test-retest Reliability Of The 40-yd Dash And Vertical Jump Assessments In Youth Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 1082	1.2	
44	The Effects Of A Muscle Biopsy On Motor Unit Firing Properties. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 612-613	1.2	
43	Differences Among Kinetics, Kinematics, Performance, and Elbow Varus Torque in Professional Versus High School Pitchers. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 736	1.2	
42	Greater Neural Adaptations following High- vs. Low-Load Resistance Training. <i>Frontiers in Physiology</i> , 2017 , 8, 331	4.6	70
41	Power Push-up Tests Performed from the Knees and Toes in Young Male Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 758	1.2	
40	The effects of velocity on peak torque and neuromuscular responses during eccentric muscle actions. <i>Isokinetics and Exercise Science</i> , 2016 , 24, 1-6	0.6	1
39	Time Course of Changes in Neuromuscular Parameters During Sustained Isometric Muscle Actions. <i>Journal of Strength and Conditioning Research</i> , 2016 , 30, 2697-2702	3.2	11

38	Inter-individual variability in the patterns of responses for electromyography and mechanomyography during cycle ergometry using an RPE-clamp model. <i>European Journal of Applied Physiology</i> , 2016 , 116, 1639-49	3.4	10
37	Basic reporting and interpretation of surface EMG amplitude and mean power frequency: a reply to Vitgotsky, Ogborn, and Phillips. <i>European Journal of Applied Physiology</i> , 2016 , 116, 659-61	3.4	3
36	Effects of Velocity on Electromyographic, Mechanomyographic, and Torque Responses to Repeated Eccentric Muscle Actions. <i>Journal of Strength and Conditioning Research</i> , 2016 , 30, 1743-51	3.2	11
35	Neuromuscular Adaptations After 2 and 4 Weeks of 80% Versus 30% 1 Repetition Maximum Resistance Training to Failure. <i>Journal of Strength and Conditioning Research</i> , 2016 , 30, 2174-85	3.2	54
34	Combining regression and mean comparisons to identify the time course of changes in neuromuscular responses during the process of fatigue. <i>Physiological Measurement</i> , 2016 , 37, 1993-2002 ^{2.9}		13
33	Electromyographic Responses from the Vastus Medialis during Isometric Muscle Actions. <i>International Journal of Sports Medicine</i> , 2016 , 37, 647-52	3.6	3
32	Are Resistance Training-Mediated Decreases in Ultrasound Echo Intensity Caused by Changes in Muscle Composition, or Is There an Alternative Explanation?. <i>Ultrasound in Medicine and Biology</i> , 2016 , 42, 3050-3051	3.5	16
31	Effects of ruminic acid rich conjugated linoleic acid supplementation on cognitive function and handgrip performance in older men and women. <i>Experimental Gerontology</i> , 2016 , 84, 1-11	4.5	4
30	Test-Retest Reliability of Single Transverse versus Panoramic Ultrasound Imaging for Muscle Size and Echo Intensity of the Biceps Brachii. <i>Ultrasound in Medicine and Biology</i> , 2015 , 41, 1584-91	3.5	44
29	Factors underlying the perception of effort during constant heart rate running above and below the critical heart rate. <i>European Journal of Applied Physiology</i> , 2015 , 115, 2231-41	3.4	8
28	Muscle activation during three sets to failure at 80 vs. 30% 1RM resistance exercise. <i>European Journal of Applied Physiology</i> , 2015 , 115, 2335-47	3.4	77
27	Effects of the innervation zone on the time and frequency domain parameters of the surface electromyographic signal. <i>Journal of Electromyography and Kinesiology</i> , 2015 , 25, 565-70	2.5	9
26	Comparing passive angle-torque curves recorded simultaneously with a load cell versus an isokinetic dynamometer during dorsiflexion stretch tolerance assessments. <i>Medical Engineering and Physics</i> , 2015 , 37, 494-8	2.4	1
25	Dissociations among direct and indirect indicators of adiposity in young wrestlers. <i>Journal of Strength and Conditioning Research</i> , 2015 , 29, 408-15	3.2	
24	Physiological Responses during Cycle Ergometry at a Constant Perception of Effort. <i>International Journal of Sports Medicine</i> , 2015 , 36, 466-73	3.6	9
23	Relative differences in strength and power from slow to fast isokinetic velocities may reflect dynapenia. <i>Muscle and Nerve</i> , 2015 , 52, 120-30	3.4	16
22	Electromyographic, mechanomyographic, and metabolic responses during cycle ergometry at a constant rating of perceived exertion. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015 , 40, 1178-85	3	8
21	Application of the Critical Heart Model to Treadmill Running. <i>Journal of Strength and Conditioning Research</i> , 2015 , 29, 2237-48	3.2	3

20	Relative contributions of strength, anthropometric, and body composition characteristics to estimated propulsive force in young male swimmers. <i>Journal of Strength and Conditioning Research</i> , 2015 , 29, 1473-9	3.2	16
19	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. <i>Sports</i> , 2015 , 3, 269-280	3.2	4
18	Physiological Responses Underlying the Perception of Effort during Moderate and Heavy Intensity Cycle Ergometry. <i>Sports</i> , 2015 , 3, 369-382	3	3
17	Reliability and relationships among handgrip strength, leg extensor strength and power, and balance in older men. <i>Experimental Gerontology</i> , 2014 , 58, 47-50	4.5	34
16	CLA supplementation and aerobic exercise lower blood triacylglycerol, but have no effect on peak oxygen uptake or cardiorespiratory fatigue thresholds. <i>Lipids</i> , 2014 , 49, 871-80	1.6	9
15	Age-related differences in rates of torque development and rise in EMG are eliminated by normalization. <i>Experimental Gerontology</i> , 2014 , 57, 18-28	4.5	23
14	Effects of anatabine and unilateral maximal eccentric isokinetic muscle actions on serum markers of muscle damage and inflammation. <i>European Journal of Pharmacology</i> , 2014 , 728, 161-6	5.3	4
13	The effects of gender and very short-term resistance training on peak torque, average power and neuromuscular responses of the forearm flexors. <i>Isokinetics and Exercise Science</i> , 2014 , 22, 123-130	0.6	1
12	The rate of torque development: a unique, non-invasive indicator of eccentric-induced muscle damage?. <i>International Journal of Sports Medicine</i> , 2014 , 35, 1190-5	3.6	14
11	Comparing the reliability of voluntary and evoked muscle actions. <i>Clinical Physiology and Functional Imaging</i> , 2014 , 34, 434-41	2.4	12
10	Effects of 6 weeks of aerobic exercise combined with conjugated linoleic acid on the physical working capacity at fatigue threshold. <i>Journal of Strength and Conditioning Research</i> , 2014 , 28, 2127-35	3.2	14
9	Metabolic, cardiovascular, and perceptual responses to a thermogenic nutritional supplement at rest, during exercise, and recovery in men. <i>Journal of Strength and Conditioning Research</i> , 2014 , 28, 2154-63	3.2	4
8	The relationship between passive stiffness and muscle power output: influence of muscle cross-sectional area normalization. <i>Muscle and Nerve</i> , 2014 , 49, 69-75	3.4	12
7	Physiologic responses to a thermogenic nutritional supplement at rest, during low-intensity exercise, and during recovery from exercise in college-aged women. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013 , 38, 988-95	3	5
6	Reliability of manual versus automated techniques for assessing passive stiffness of the posterior muscles of the hip and thigh. <i>Journal of Sports Sciences</i> , 2013 , 31, 867-77	3.6	18
5	Functional hamstrings: quadriceps ratios in elite women's soccer players. <i>Journal of Sports Sciences</i> , 2013 , 31, 612-7	3.6	17
4	The effects of anatabine on non-invasive indicators of muscle damage: a randomized, double-blind, placebo-controlled, crossover study. <i>Journal of the International Society of Sports Nutrition</i> , 2013 , 10, 33	4.5	7
3	An examination of neuromuscular and metabolic fatigue thresholds. <i>Physiological Measurement</i> , 2013 , 34, 1253-67	2.9	18

2	Comparisons of voluntary and evoked rate of torque development and rate of velocity development during isokinetic muscle actions. <i>Isokinetics and Exercise Science</i> , 2013 , 21, 253-261	0.6	6
1	Implement Training for Concentric-Based Muscle Actions. <i>Strength and Conditioning Journal</i> , 2012 , 34, 1-7	2	17