Brennan J Thompson

List of Publications by Year
in descending order

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77 papers	1,549 citations	304701 22 h-index	361001 35 g-index
77 all docs	77 docs citations	77 times ranked	1466 citing authors

#	Article	IF	Citations
1	Effects of Flywheel Resistance Training on Muscle Function and Sport-Specific Performance in Collegiate Club Water Polo Players. Research Quarterly for Exercise and Sport, 2023, 94, 98-109.	1.4	2
2	Comparison of High Versus Low Eccentric-Based Resistance Training Frequencies on Short-Term Muscle Function Adaptations. Journal of Strength and Conditioning Research, 2022, 36, 332-339.	2.1	5
3	Effects of Strength and Conditioning on Maximal Isometric Strength, Motor Unit Behavior, and Concentric Isokinetic Peak Torque in Middle-School Boys'. Journal of Strength and Conditioning Research, 2022, 36, 1318-1326.	2.1	6
4	Test-retest reliability of the 5-minute psychomotor vigilance task in working-aged females. Journal of Neuroscience Methods, 2022, 365, 109379.	2.5	4
5	Echo intensity as an indicator of skeletal muscle quality: applications, methodology, and future directions. European Journal of Applied Physiology, 2021, 121, 369-380.	2.5	72
6	Fatigue and the Female Nurse: A Narrative Review of the Current State of Research and Future Directions. Women S Health Reports, 2021, 2, 53-61.	0.8	8
7	Association and Agreement between Reactive Strength Index and Reactive Strength Index-Modified Scores. Sports, 2021, 9, 97.	1.7	3
8	Pickleball for Inactive Mid-Life and Older Adults in Rural Utah: A Feasibility Study. International Journal of Environmental Research and Public Health, 2021, 18, 8374.	2.6	7
9	Rapid muscle activation changes across a competitive collegiate female soccer season. Journal of Musculoskeletal Neuronal Interactions, 2021, 21, 206-214.	0.1	0
10	Potential Benefits of a Minimal Dose Eccentric Resistance Training Paradigm to Combat Sarcopenia and Age-Related Muscle and Physical Function Deficits in Older Adults. Frontiers in Physiology, 2021, 12, 790034.	2.8	7
11	Which Exercise Interventions Can Most Effectively Improve Reactive Balance in Older Adults? A Systematic Review and Network Meta-Analysis. Frontiers in Aging Neuroscience, 2021, 13, 764826.	3.4	12
12	Comparison of age-specific leg extensor muscle function torque-time and rapid velocity attributes across the adult lifespan: A relative deficiency investigation. Experimental Gerontology, 2020, 131, 110819.	2.8	2
13	Changes in Knee Extension and Flexion Maximal and Rapid Torque Characteristics During a Collegiate Women's Soccer Season. Journal of Strength and Conditioning Research, 2020, Publish Ahead of Print, .	2.1	2
14	Effects of age on vertical jump performance and muscle morphology characteristics in females. Journal of Sports Medicine and Physical Fitness, 2020, 60, 1081-1088.	0.7	4
15	Effects of isokinetic eccentric versus traditional lower body resistance training on muscle function: examining a multiple-joint short-term training model. Applied Physiology, Nutrition and Metabolism, 2019, 44, 118-126.	1.9	8
16	A Mixed-Methods Approach to Evaluating the Internal Validity of the Reactive Strength Index. Sports, 2019, 7, 157.	1.7	8
17	Age-Related Differences in the Predictability of Fast Gait Speed with Absolute and Rapid Squat Strength. Journal of Science in Sport and Exercise, 2019, 1, 273-280.	1.0	2
18	Does work-induced fatigue accumulate across three compressed 12 hour shifts in hospital nurses and aides?. PLoS ONE, 2019, 14, e0211715.	2.5	41

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19	Influence of signal filtering and sample rate on isometric torque â€“ time parameters using a traditional isokinetic dynamometer. Journal of Biomechanics, 2019, 83, 235-242.	2.1	23
20	A-mode and B-mode ultrasound measurement of fat thickness: a cadaver validation study. European Journal of Clinical Nutrition, 2019, 73, 518-523.	2.9	25
21	Development and examination of a functional reactive agility test for older adults. Aging Clinical and Experimental Research, 2018, 30, 293-298.	2.9	2
22	A lower extremity strength-based profile of NCAA Division I womenâ€™s basketball and gymnastics athletes: implications for knee joint injury risk assessment. Journal of Sports Sciences, 2018, 36, 1749-1756.	2.0	17
23	Effects of Age, Joint Angle, and Test Modality on Strength Production and Functional Outcomes. International Journal of Sports Medicine, 2018, 39, 124-132.	1.7	12
24	The Influence of Age, Joint Angle, and Muscle Group on Strength Production Characteristics at the Knee Joint. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 603-607.	3.6	15
25	Relationships Between Neuromuscular Function and Functional Balance Performance in Firefighters. Scientific Reports, 2018, 8, 15328.	3.3	9
26	Echo Intensity Versus Muscle Function Correlations in Older Adults are Influenced by Subcutaneous Fat Thickness. Ultrasound in Medicine and Biology, 2018, 44, 1597-1605.	1.5	41
27	Influence of age on passive stiffness and size, quality, and strength characteristics. Muscle and Nerve, 2017, 55, 305-315.	2.2	23
28	Age-Related Differences in Maximal and Rapid Torque Characteristics of the Hip Extensors and Dynamic Postural Balance in Healthy, Young and Old Females. Journal of Strength and Conditioning Research, 2017, 31, 480-488.	2.1	24
29	Influence of stretching velocity on musculotendinous stiffness of the hamstrings during passive straight-leg raise assessments. Musculoskeletal Science and Practice, 2017, 30, 80-85.	1.3	6
30	Effects of Accumulating Work Shifts on Performance-Based Fatigue Using Multiple Strength Measurements in Day and Night Shift Nurses and Aides. Human Factors, 2017, 59, 346-356.	3.5	37
31	Age-related effects on maximal and rapid hamstrings/quadriceps strength capacities and vertical jump power in young and older females. Aging Clinical and Experimental Research, 2017, 29, 1231-1239.	2.9	14
32	Neural and Muscular Contributions to the Age-Related Reductions in Rapid Strength. Medicine and Science in Sports and Exercise, 2017, 49, 1331-1339.	0.4	53
33	Adaptations Associated With an After-School Strength and Conditioning Program in Middle-School-Aged Boys: A Quasi-Experimental Design. Journal of Strength and Conditioning Research, 2017, 31, 2840-2851.	2.1	2
34	Echo intensity and muscle thickness as predictors Of athleticism and isometric strength in middleâ€schoool boys. Muscle and Nerve, 2017, 55, 685-692.	2.2	45
35	A Preliminary Study of the Utilization of Maximal and Rapid Strength Characteristics to Identify Chair-Rise Performance Abilities in Very Old Adults. Journal of Geriatric Physical Therapy, 2016, 39, 102-109.	1.1	11
36	The Impact of a Rigorous Multiple Work Shift Schedule and Day Versus Night Shift Work on Reaction Time and Balance Performance in Female Nurses. Journal of Occupational and Environmental Medicine, 2016, 58, 737-743.	1.7	15

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37	Influence of Manual Labor at Work on Muscular Fitness and Its Relationship With Work Performance. Journal of Occupational and Environmental Medicine, 2016, 58, 1034-1039.	1.7	2
38	Occupational differences for nutrient intake and physical-activity levels in young and middle-aged men. Work, 2016, 55, 187-196.	1.1	1
39	Different cognitive functions discriminate gait performance in younger and older women: A pilot study. Gait and Posture, 2016, 50, 89-95.	1.4	7
40	Motor Unit Interpulse Intervals During High Force Contractions. Motor Control, 2016, 20, 70-86.	0.6	6
41	Muscle group specific changes in the electromechanical delay following short-term resistance training. Journal of Science and Medicine in Sport, 2016, 19, 761-765.	1.3	18
42	Adipose tissue thickness does not affect the electromechanical delay. Physiological Measurement, 2016, 37, 418-428.	2.1	5
43	Evidence of muscular adaptations within four weeks of barbell training in women. Human Movement Science, 2016, 45, 7-22.	1.4	21
44	Effects of age and muscle action type on acute strength and power recovery following fatigue of the leg flexors. Age, 2015, 37, 111.	3.0	21
45	The influence of athletic status on maximal and rapid isometric torque characteristics and postural balance performance in Division I female soccer athletes and non-athlete controls. Clinical Physiology and Functional Imaging, 2015, 35, 314-322.	1.2	19
46	Effects of neuromuscular fatigue on electromechanical delay of the leg extensors and flexors in young men and women. Muscle and Nerve, 2015, 52, 844-851.	2.2	18
47	Influence of Hamstring Fatigue on the Estimated Percentage of Fast-Twitch Muscle Fibers for the Vastus Lateralis. Journal of Strength and Conditioning Research, 2015, 29, 3509-3516.	2.1	6
48	Acute Postexercise Time Course Responses of Hypertrophic vs. Power-Endurance Squat Exercise Protocols on Maximal and Rapid Torque of the Knee Extensors. Journal of Strength and Conditioning Research, 2015, 29, 1285-1294.	2.1	12
49	Barbell Deadlift Training Increases the Rate of Torque Development and Vertical Jump Performance in Novices. Journal of Strength and Conditioning Research, 2015, 29, 1-10.	2.1	43
50	Reliability of Panoramic Ultrasound Imaging in Simultaneously Examining Muscle Size and Quality of the Hamstring Muscles in Young, Healthy Males and Females. Ultrasound in Medicine and Biology, 2015, 41, 675-684.	1.5	50
51	Dorsiflexion, Plantar-Flexion, and Neutral Ankle Positions During Passive Resistance Assessments of the Posterior Hip and Thigh Muscles. Journal of Athletic Training, 2015, 50, 467-474.	1.8	13
52	The identification of fall history using maximal and rapid isometric torque characteristics of the hip extensors in healthy, recreationally active elderly females: a preliminary investigation. Aging Clinical and Experimental Research, 2015, 27, 431-438.	2.9	23
53	Dietary protein intake is associated with maximal and explosive strength of the leg flexors in young and older blue collar workers. Nutrition Research, 2015, 35, 280-286.	2.9	3
54	The influence of occupation and age on maximal and rapid lower extremity strength. Applied Ergonomics, 2015, 50, 62-67.	3.1	9

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55	The Influence of Professional Status on Maximal and Rapid Isometric Torque Characteristics in Elite Soccer Referees. Journal of Strength and Conditioning Research, 2014, 28, 1310-1318.	2.1	10
56	The relationship between passive stiffness and muscle power output: Influence of muscle cross-sectional area normalization. Muscle and Nerve, 2014, 49, 69-75.	2.2	13
57	Age-related changes in the rate of muscle activation and rapid force characteristics. Age, 2014, 36, 839-849.	3.0	87
58	Reliability of panoramic ultrasound imaging to simultaneously examine muscle size and quality of the medial gastrocnemius. Muscle and Nerve, 2014, 49, 736-740.	2.2	78
59	The minimum number of contractions required to examine the EMG amplitude versus isometric force relationship for the vastus lateralis and vastus medialis. Journal of Electromyography and Kinesiology, 2014, 24, 827-834.	1.7	2
60	Acute effects of different volumes of dynamic stretching on vertical jump performance, flexibility and muscular endurance. Clinical Physiology and Functional Imaging, 2014, 34, 485-492.	1.2	35
61	Effects of aging on maximal and rapid velocity capacities of the leg extensors. Experimental Gerontology, 2014, 58, 128-131.	2.8	39
62	The Influence of Age on the Viscoelastic Stretch Response. Journal of Strength and Conditioning Research, 2014, 28, 1106-1112.	2.1	18
63	The Influence of Athletic Status on the Passive Properties of the Muscle-Tendon Unit and Traditional Performance Measures in Division I Female Soccer Players and Nonathlete Controls. Journal of Strength and Conditioning Research, 2014, 28, 2026-2034.	2.1	6
64	Effects of Barbell Deadlift Training on Submaximal Motor Unit Firing Rates for the Vastus Lateralis and Rectus Femoris. PLoS ONE, 2014, 9, e115567.	2.5	19
65	Effects of neuromuscular fatigue on the electromechanical delay of the leg extensors and flexors in young and old men. European Journal of Applied Physiology, 2013, 113, 2391-2399.	2.5	37
66	Test-Retest Reliability and the Minimal Detectable Change for Achilles Tendon Length: A Panoramic Ultrasound Assessment. Ultrasound in Medicine and Biology, 2013, 39, 2488-2491.	1.5	36
67	Age related differences in maximal and rapid torque characteristics of the leg extensors and flexors in young, middle-aged and old men. Experimental Gerontology, 2013, 48, 277-282.	2.8	80
68	Functional hamstrings: quadriceps ratios in elite women's soccer players. Journal of Sports Sciences, 2013, 31, 612-617.	2.0	22
69	Relationships Between Rapid Isometric Torque Characteristics and Vertical Jump Performance in Division I Collegiate American Football Players. Journal of Strength and Conditioning Research, 2013, 27, 2737-2742.	2.1	23
70	Influence of maximum range of motion and stiffness on the viscoelastic stretch response. Muscle and Nerve, 2013, 48, 571-577.	2.2	11
71	Can Maximal and Rapid Isometric Torque Characteristics Predict Playing Level in Division I American Collegiate Football Players?. Journal of Strength and Conditioning Research, 2013, 27, 655-661.	2.1	28
72	Longitudinal Morphological and Performance Profiles for American, NCAA Division I Football Players. Journal of Strength and Conditioning Research, 2013, 27, 2347-2354.	2.1	41

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73	Consistency of rapid muscle force characteristics: Influence of muscle contraction onset detection methodology. Journal of Electromyography and Kinesiology, 2012, 22, 893-900.	1.7	24
74	Independent static balance training contributes to increased stability and functional capacity in community-dwelling elderly people: a randomized controlled trial. Clinical Rehabilitation, 2011, 25, 549-556.	2.2	31
75	The Effect of Energy Patches on Substrate Utilization in Collegiate Cross-Country Runners. International Journal of Exercise Science, 2011, 4, 113-121.	0.5	0
76	The Influence of Ratio and Allometric Scaling Procedures for Normalizing Upper Body Power Output in Division I Collegiate Football Players. Journal of Strength and Conditioning Research, 2010, 24, 2269-2273.	2.1	24
77	Effect of instruction, surface stability, and load intensity on trunk muscle activity. Journal of Electromyography and Kinesiology, 2009, 19, e500-e504.	1.7	41