Jared R Fletcher

List of Publications by Year
in descending order

31	800	687363 13	526287 27
papers	citations	h-index	g-index

35	35	35	815
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Economy of running: beyond the measurement of oxygen uptake. Journal of Applied Physiology, 2009, 107, 1918-1922.	2.5	209
2	Changes in tendon stiffness and running economy in highly trained distance runners. European Journal of Applied Physiology, 2010, 110, 1037-1046.	2.5	108
3	Running Economy from a Muscle Energetics Perspective. Frontiers in Physiology, 2017, 8, 433.	2.8	93
4	Achilles tendon strain energy in distance running: consider the muscle energy cost. Journal of Applied Physiology, 2015, 118, 193-199.	2.5	45
5	Energy cost of running and Achilles tendon stiffness in man and woman trained runners. Physiological Reports, 2013, 1, e00178.	1.7	36
6	Does increased midsole bending stiffness of sport shoes redistribute lower limb joint work during running?. Journal of Science and Medicine in Sport, 2019, 22, 1272-1277.	1.3	36
7	Pacing Strategy, Muscle Fatigue, and Technique in 1500-m Speed-Skating and Cycling Time Trials. International Journal of Sports Physiology and Performance, 2016, 11, 337-343.	2.3	34
8	Can muscle shortening alone, explain the energy cost of muscle contraction in vivo?. European Journal of Applied Physiology, 2013, 113, 2313-2322.	2.5	32
9	Increasing the midsole bending stiffness of shoes alters gastrocnemius medialis muscle function during running. Scientific Reports, 2021, 11, 749.	3.3	28
10	The Effects of Increased Midsole Bending Stiffness of Sport Shoes on Muscle-Tendon Unit Shortening and Shortening Velocity: a Randomised Crossover Trial in Recreational Male Runners. Sports Medicine - Open, 2020, 6, 9.	3.1	27
11	Cumulative Metrics of Tendon Load and Damage Vary Discordantly with Running Speed. Medicine and Science in Sports and Exercise, 2020, 52, 1549-1556.	0.4	19
12	Can changes in midsole bending stiffness of shoes affect the onset of joint work redistribution during a prolonged run?. Journal of Sport and Health Science, 2022, 11, 293-302.	6.5	19
13	Changes in Achilles tendon stiffness and energy cost following a prolonged run in trained distance runners. PLoS ONE, 2018, 13, e0202026.	2.5	15
14	The parabolic powerâ€“velocity relationship does apply to fatigued states. European Journal of Applied Physiology, 2011, 111, 319-320.	2.5	13
15	Estimates of Achilles Tendon Moment Arm Length at Different Ankle Joint Angles: Effect of Passive Moment. Journal of Applied Biomechanics, 2018, 34, 220-225.	0.8	12
16	How Can Biomechanics Improve Physical Preparation and Performance in Paralympic Athletes? A Narrative Review. Sports, 2021, 9, 89.	1.7	10
17	Procedures for Rat in situ Skeletal Muscle Contractile Properties. Journal of Visualized Experiments, 2011, , e3167.	0.3	9
18	Editorial: The Stretch-Shortening Cycle of Active Muscle and Muscle-Tendon Complex: What, Why and How It Increases Muscle Performance?. Frontiers in Physiology, 2021, 12, 693141.	2.8	9

#	Article	IF	Citations
19	Age-related reductions in the number of serial sarcomeres contribute to shorter fascicle lengths but not elevated passive tension. Journal of Experimental Biology, 2021, 224, .	1.7	7
20	Commentaries on Viewpoint: Use aerobic energy expenditure instead of oxygen uptake to quantify exercise intensity and predict endurance performance. Journal of Applied Physiology, 2018, 125, 676-682.	2.5	6
21	Estimates of Achilles Tendon Moment Arm Length at Different Ankle Joint Angles: Effect of Passive Moment. Journal of Applied Biomechanics, 2018, , 1-22.	0.8	5
22	Theoretical considerations for muscle-energy savings during distance running. Journal of Biomechanics, 2018, 73, 73-79.	2.1	5
23	The effect of torsional shoe sole stiffness on knee moment and gross efficiency in cycling. Journal of Sports Sciences, 2019, 37, 1457-1463.	2.0	5
24	Quantification of the manifestations of fatigue during treadmill running. European Journal of Sport Science, 2012, 12, 418-424.	2.7	4
25	Mechanisms of reduced plantarflexor function in Cerebral palsy: smaller triceps surae moment arm and reduced muscle force. Journal of Biomechanics, 2020, 110, 109959.	2.1	4
26	Reply to: Reply to: The parabolic powerâ€“velocity relationship does apply to fatigued states. European Journal of Applied Physiology, 2012, 112, 1195-1196.	2.5	3
27	Triceps Surae Muscle-Tendon Properties as Determinants of the Metabolic Cost in Trained Long-Distance Runners. Frontiers in Physiology, 2021, 12, 767445.	2.8	3
28	Commentaries on Viewpoint: A (Bakerâ€™s) dozen tips for enhancing early-stage academic career development in biomedical research. Journal of Applied Physiology, 2021, 131, 1516-1519.	2.5	2
29	Does a less torsionally stiff cycling shoe reduce knee moments during cycling?. Footwear Science, 2017, 9, S53-S54.	2.1	0
30	Active Technology and Accessories. Advances in Finance, Accounting, and Economics, 2021, , 138-171.	0.3	0
31	Implementation Strategies of a Quality Improvement Initiative for Hospital-Acquired Clostridioides difficile Infection Prevention. Infection Control and Hospital Epidemiology, 2020, 41, s279-s280.	1.8	0