

# Massimiliano Ditroilo

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

1,601  
citations

346980

22  
h-index

371746

37  
g-index

67  
all docs

67  
docs citations

67  
times ranked

2064  
citing authors

#	ARTICLE	IF	CITATIONS
1	Age-related fatigability in knee extensors and knee flexors during dynamic fatiguing contractions. <i>Journal of Electromyography and Kinesiology</i> , 2022, 62, 102626.	0.7	3
2	Sports medicine and biomechanics “ synergies and nuances. <i>Journal of Sports Sciences</i> , 2022, 40, 838-839.	1.0	0
3	Age Related Changes in Motor Function (II). Decline in Motor Performance Outcomes. <i>International Journal of Sports Medicine</i> , 2021, 42, 215-226.	0.8	14
4	A Comparison of the Effect of 20- and 40-Min Session Durations of External Counterpulsation on Neuromuscular Function, Cortisol and Comfort in Physically Active Young Men. <i>Journal of Science in Sport and Exercise</i> , 2021, 3, 138-146.	0.4	0
5	Strength training and gross-motor skill exercise as interventions to improve postural control, dynamic functional balance and strength in older individuals. <i>Journal of Sports Medicine and Physical Fitness</i> , 2021, 61, 1570-1577.	0.4	4
6	Changes in performance markers and wellbeing in elite senior professional rugby union players during a pre-season period: Analysis of the differences across training phases. <i>Journal of Science and Medicine in Sport</i> , 2020, 23, 20-26.	0.6	3
7	The effect of intermittent running on biomarkers of bone turnover. <i>European Journal of Sport Science</i> , 2020, 20, 505-515.	1.4	3
8	Forearm electromyographic activity during the deadlift exercise is affected by grip type and sex. <i>Journal of Electromyography and Kinesiology</i> , 2020, 53, 102428.	0.7	7
9	Age-related Changes in Motor Function (I). Mechanical and Neuromuscular Factors. <i>International Journal of Sports Medicine</i> , 2020, 41, 709-719.	0.8	21
10	Longitudinal Changes in the Physical Development of Elite Adolescent Rugby Union Players: Effect of Playing Position and Body Mass Change. <i>International Journal of Sports Physiology and Performance</i> , 2020, 15, 520-527.	1.1	15
11	A 12-month continuous and intermittent high-impact exercise intervention and its effects on bone mineral density in early postmenopausal women: a feasibility randomized controlled trial. <i>Journal of Sports Medicine and Physical Fitness</i> , 2020, 60, 770-778.	0.4	9
12	Acute Physiological Responses to Ultra Short Race“Pace Training in Competitive Swimmers. <i>Journal of Human Kinetics</i> , 2020, 75, 95-102.	0.7	8
13	Effect of External Counterpulsation on Exercise Recovery in Team Sport Athletes. <i>International Journal of Sports Medicine</i> , 2019, 40, 511-518.	0.8	5
14	Torque steadiness and neuromuscular responses following fatiguing concentric exercise of the knee extensor and flexor muscles in young and older individuals. <i>Experimental Gerontology</i> , 2019, 124, 110636.	1.2	6
15	Changes in knee joint angle affect torque steadiness differently in young and older individuals. <i>Journal of Electromyography and Kinesiology</i> , 2019, 47, 49-56.	0.7	4
16	The mechanical loading and muscle activation of four common exercises used in osteoporosis prevention for early postmenopausal women. <i>Journal of Electromyography and Kinesiology</i> , 2019, 44, 124-131.	0.7	6
17	The acute effect of Quercetin on muscle performance following a single resistance training session. <i>European Journal of Applied Physiology</i> , 2018, 118, 1021-1031.	1.2	26
18	Effect of Accommodating Resistance on the Postactivation Potentiation Response in Rugby League Players. <i>Journal of Strength and Conditioning Research</i> , 2018, 32, 2510-2520.	1.0	15

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19	The effect of sex and localised fatigue on triceps surae musculoarticular stiffness. <i>European Journal of Sport Science</i> , 2018, 18, 483-490.	1.4	5
20	Water-filled training tubes increase core muscle activation and somatosensory control of balance during squat. <i>Journal of Sports Sciences</i> , 2018, 36, 2002-2008.	1.0	10
21	Assessment of Skeletal Muscle Contractile Properties by Radial Displacement: The Case for Tensiomyography. <i>Sports Medicine</i> , 2018, 48, 1607-1620.	3.1	97
22	The effect of water-based plyometric training on vertical stiffness and athletic performance. <i>PLoS ONE</i> , 2018, 13, e0208439.	1.1	10
23	Kinematic and electromyographic analysis of the Askling Protocol for hamstring training. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 2536-2546.	1.3	16
24	Effect of sex and fatigue on muscle stiffness and musculoarticular stiffness of the knee joint in a young active population. <i>Journal of Sports Sciences</i> , 2017, 35, 1-10.	1.0	14
25	NEUROMUSCULAR TRAINING EFFECTS ON THE STIFFNESS PROPERTIES OF THE KNEE JOINT AND LANDING BIOMECHANICS OF YOUNG FEMALE RECREATIONAL ATHLETES. <i>British Journal of Sports Medicine</i> , 2017, 51, 405.2-405.	3.1	1
26	Effect of Knee Joint Angle and Contraction Intensity on Hamstrings Coactivation. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 1668-1676.	0.2	27
27	Local stability and kinematic variability in walking and pole walking at different speeds. <i>Gait and Posture</i> , 2017, 53, 1-4.	0.6	3
28	Patterns of trunk muscle activation during walking and pole walking using statistical non-parametric mapping. <i>Journal of Electromyography and Kinesiology</i> , 2017, 37, 52-60.	0.7	8
29	Different Effect of Local and General Fatigue on Knee Joint Stiffness. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 173-182.	0.2	16
30	Tibial impacts and muscle activation during walking, jogging and running when performed overground, and on motorised and non-motorised treadmills. <i>Gait and Posture</i> , 2016, 49, 120-126.	0.6	35
31	Effects of age and sex on neuromuscular-mechanical determinants of muscle strength. <i>Age</i> , 2016, 38, 57.	3.0	59
32	Reduced Radial Displacement of the Gastrocnemius Medialis Muscle After Electrically Elicited Fatigue. <i>Journal of Sport Rehabilitation</i> , 2016, 25, 241-247.	0.4	48
33	Nordic hamstring exercise training alters knee joint kinematics and hamstring activation patterns in young men. <i>European Journal of Applied Physiology</i> , 2016, 116, 663-672.	1.2	66
34	Trunk muscles activation during pole walking vs. walking performed at different speeds and grades. <i>Gait and Posture</i> , 2016, 46, 57-62.	0.6	19
35	Musculo-articular stiffness is affected by the magnitude of the impulse applied when assessed with the free-oscillation technique. <i>Journal of Biomechanics</i> , 2016, 49, 155-160.	0.9	3
36	A comparison of muscle stiffness and musculoarticular stiffness of the knee joint in young athletic males and females. <i>Journal of Electromyography and Kinesiology</i> , 2015, 25, 495-500.	0.7	29

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37	Benefits of a worksite or home-based bench stepping intervention for sedentary middle-aged adults – a pilot study. <i>Clinical Physiology and Functional Imaging</i> , 2014, 34, 10-17.	0.5	10
38	Physiological and biomechanical responses to walking underwater on a non-motorised treadmill: effects of different exercise intensities and depths in middle-aged healthy women. <i>Journal of Sports Sciences</i> , 2014, 32, 268-277.	1.0	12
39	Measures of static postural control moderate the association of strength and power with functional dynamic balance. <i>Aging Clinical and Experimental Research</i> , 2014, 26, 645-653.	1.4	28
40	Kinematic and electromyographic analysis of the Nordic Hamstring Exercise. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 1111-1118.	0.7	62
41	Long-term stability of tensiomyography measured under different muscle conditions. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 558-563.	0.7	49
42	Effects of a Low-Volume, Vigorous Intensity Step Exercise Program on Functional Mobility in Middle-Aged Adults. <i>Annals of Biomedical Engineering</i> , 2013, 41, 1748-1757.	1.3	6
43	Concurrent Validity of Vertical Jump Performance Assessment Systems. <i>Journal of Strength and Conditioning Research</i> , 2013, 27, 761-768.	1.0	107
44	Sources of Variability in Musculo-Articular Stiffness Measurement. <i>PLoS ONE</i> , 2013, 8, e63719.	1.1	4
45	Assessment of eccentric exercise-induced muscle damage of the elbow flexors by tensiomyography. <i>Journal of Electromyography and Kinesiology</i> , 2012, 22, 334-341.	0.7	106
46	Assessment of musculo-articular and muscle stiffness in young and older men. <i>Muscle and Nerve</i> , 2012, 46, 559-565.	1.0	23
47	Assessing Musculo-Articular Stiffness Using Free Oscillations. <i>Sports Medicine</i> , 2011, 41, 1019-1032.	3.1	23
48	Intra- and inter-session reliability of vertical jump performance in healthy middle-aged and older men and women. <i>Journal of Sports Sciences</i> , 2011, 29, 1675-1682.	1.0	27
49	Validity and inter-day reliability of a free-oscillation test to measure knee extensor and knee flexor musculo-articular stiffness. <i>Journal of Electromyography and Kinesiology</i> , 2011, 21, 492-498.	0.7	12
50	The effectiveness of two novel techniques in establishing the mechanical and contractile responses of biceps femoris. <i>Physiological Measurement</i> , 2011, 32, 1315-1326.	1.2	101
51	Effects of Fatigue on Muscle Stiffness and Intermittent Sprinting during Cycling. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 837-845.	0.2	23
52	The Assessment of Maximal Aerobic Power With the Multistage Fitness Test in Young Women Soccer Players. <i>Journal of Strength and Conditioning Research</i> , 2010, 24, 1488-1494.	1.0	19
53	Validity of an On-Court Lactate Threshold Test in Young Basketball Players. <i>Journal of Strength and Conditioning Research</i> , 2010, 24, 2434-2439.	1.0	18
54	Muscle Stiffness and Rate of Torque Development during Sprint Cycling. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 1324-1332.	0.2	42

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55	Effects of age and limb dominance on upper and lower limb muscle function in healthy males and females aged 40â€“80 years. <i>Journal of Sports Sciences</i> , 2010, 28, 667-677.	1.0	70
56	The relationship of body mass index, age and triceps-surae musculotendinous stiffness with the foot arch structure of postmenopausal women. <i>Clinical Biomechanics</i> , 2010, 25, 588-593.	0.5	40
57	Triceps-surae musculotendinous stiffness: Relative differences between obese and non-obese postmenopausal women. <i>Clinical Biomechanics</i> , 2009, 24, 866-871.	0.5	38
58	A maximal isokinetic pedalling exercise for EMG normalization in cycling. <i>Journal of Electromyography and Kinesiology</i> , 2009, 19, e162-e170.	0.7	31
59	Training With Independent Cranks Alters Muscle Coordination Pattern in Cyclists. <i>Journal of Strength and Conditioning Research</i> , 2009, 23, 1764-1772.	1.0	6
60	The cardiovascular response to underwater pedaling at different intensities: a comparison of 4 different water stationary bikes. <i>Journal of Sports Medicine and Physical Fitness</i> , 2009, 49, 432-9.	0.4	10
61	The Assessment of Path Linearity in Swimming: A Pilot Study. <i>International Journal of Sports Medicine</i> , 2008, 29, 959-964.	0.8	2
62	Fine needle aspiration coupled with real-time PCR: A painless methodology to study adaptive functional changes in skeletal muscle. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2007, 17, 383-393.	1.1	27
63	Assessment of post-competition peak blood lactate in male and female master swimmers aged 40â€“79 years and its relationship with swimming performance. <i>European Journal of Applied Physiology</i> , 2007, 99, 685-693.	1.2	23
64	The Decline of Swimming Performance With Advancing Age: A Cross-Sectional Study. <i>Journal of Strength and Conditioning Research</i> , 2006, 20, 932.	1.0	8
65	Physiological Responses to Fitness Activities: A Comparison Between Land-Based and Water Aerobics Exercise. <i>Journal of Strength and Conditioning Research</i> , 2004, 18, 719.	1.0	40
66	Rabbit brain glucose-6-phosphate dehydrogenase: biochemical properties and inactivation by free radicals and 4-hydroxy-2-nonenal. <i>NeuroReport</i> , 2001, 12, 4149-4153.	0.6	18