

# Mauro Gonçalves

## List of Publications by Year in descending order

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63  
papers

747  
citations

516710

16  
h-index

642732

23  
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64  
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64  
docs citations

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times ranked

869  
citing authors

#	ARTICLE	IF	CITATIONS
1	Association between energy cost of walking, muscle activation, and biomechanical parameters in older female fallers and non-fallers. <i>Clinical Biomechanics</i> , 2013, 28, 330-336.	1.2	50
2	EMG amplitude and frequency parameters of muscular activity: Effect of resistance training based on electromyographic fatigue threshold. <i>Journal of Electromyography and Kinesiology</i> , 2009, 19, 295-303.	1.7	33
3	EMG activity of trunk stabilizer muscles during Centering Principle of Pilates Method. <i>Journal of Bodywork and Movement Therapies</i> , 2013, 17, 185-191.	1.2	31
4	Motor readiness and joint torque production in lower limbs of older women fallers and non-fallers. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 1131-1138.	1.7	30
5	Kinesio Taping effects on knee extension force among soccer players. <i>Brazilian Journal of Physical Therapy</i> , 2015, 19, 152-158.	2.5	30
6	Neuromuscular performance of Bandal Chagui: Comparison of subelite and elite taekwondo athletes. <i>Journal of Electromyography and Kinesiology</i> , 2016, 30, 55-65.	1.7	29
7	Excess Body Weight and Gait Influence Energy Cost of Walking in Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 1017-1025.	0.4	28
8	Electromyographic patterns of lower limb muscles during apprehensive gait in younger and older female adults. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 1145-1149.	1.7	27
9	Muscular coactivation (CA) around the knee reduces power production in elderly women. <i>Archives of Gerontology and Geriatrics</i> , 2011, 52, 317-321.	3.0	26
10	Antagonist coactivation of trunk stabilizer muscles during Pilates exercises. <i>Journal of Bodywork and Movement Therapies</i> , 2014, 18, 34-41.	1.2	22
11	Análise de parâmetros de força e resistência dos músculos eretores da espinha lombar durante a realização de exercício isométrico em diferentes níveis de esforço. <i>Revista Brasileira De Medicina Do Esporte</i> , 2005, 11, 109-114.	0.2	22
12	Electromyographic activity of trunk muscles during exercises with flexible and non-flexible poles. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2011, 24, 209-214.	1.1	21
13	Heavy-intensity aerobic exercise affects the isokinetic torque and functional but not conventional hamstrings:quadriceps ratios. <i>Journal of Electromyography and Kinesiology</i> , 2009, 19, 1079-1084.	1.7	20
14	Peak torque, reaction time, and rate of torque development of hip abductors and adductors of older women. <i>Physiotherapy Theory and Practice</i> , 2016, 32, 45-52.	1.3	19
15	Neuromuscular performance in the hip joint of elderly fallers and non-fallers. <i>Aging Clinical and Experimental Research</i> , 2016, 28, 443-450.	2.9	19
16	Back extensor muscle fatigue at submaximal workloads assessed using frequency banding of the electromyographic signal. <i>Clinical Biomechanics</i> , 2011, 26, 971-976.	1.2	18
17	Improvements in Metabolic and Neuromuscular Fitness After 12-Week Bodypump® Training. <i>Journal of Strength and Conditioning Research</i> , 2011, 25, 3422-3431.	2.1	17
18	Effects of a single habituation session on neuromuscular isokinetic profile at different movement velocities. <i>European Journal of Applied Physiology</i> , 2010, 110, 1127-1133.	2.5	16

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19	Temporo-spatial gait parameters during street crossing conditions: A comparison between younger and older adults. <i>Gait and Posture</i> , 2015, 41, 510-515.	1.4	16
20	Applying different mathematical variability methods to identify older fallers and non-fallers using gait variability data. <i>Ageing Clinical and Experimental Research</i> , 2017, 29, 473-481.	2.9	15
21	Neuromuscular efficiency of the multifidus muscle in pilates practitioners and non-practitioners. <i>Complementary Therapies in Medicine</i> , 2018, 40, 61-63.	2.7	15
22	Isokinetic eccentric resistance training prevents loss in mechanical muscle function after running. <i>European Journal of Applied Physiology</i> , 2013, 113, 2301-2311.	2.5	14
23	Positioning During Resistance Elbow Flexor Exercise Affects Electromyographic Activity, Heart Rate, and Perceived Exertion. <i>Journal of Strength and Conditioning Research</i> , 2009, 23, 854-862.	2.1	13
24	Utility of electromyographic fatigue threshold during treadmill running. <i>Muscle and Nerve</i> , 2015, 52, 1030-1039.	2.2	12
25	Physiological and Neuromuscular Profile During a Bodypump Session: Acute Responses During a High-Resistance Training Session. <i>Journal of Strength and Conditioning Research</i> , 2009, 23, 579-586.	2.1	11
26	Hip muscles strength and activation in older fallers and non-fallers. <i>Isokinetics and Exercise Science</i> , 2014, 22, 191-196.	0.4	11
27	Age-related alterations in the activation of trunk and lower limb muscles during walking. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2016, 29, 295-300.	1.1	11
28	Rate of force development and muscle activation of trunk muscles in women with and without low back pain: A case-control study. <i>Physical Therapy in Sport</i> , 2017, 26, 41-48.	1.9	11
29	Hip, Knee, and Ankle Functional Demand During Habitual and Fast-Pace Walking in Younger and Older Women. <i>Journal of Aging and Physical Activity</i> , 2019, 27, 242-251.	1.0	11
30	Lumbar muscles recruitment during resistance exercise for upper limbs. <i>Journal of Electromyography and Kinesiology</i> , 2009, 19, 737-745.	1.7	10
31	Relationship between running intensity, muscle activation, and stride kinematics during an incremental protocol. <i>Science and Sports</i> , 2013, 28, e85-e92.	0.5	10
32	Discriminant analysis of neuromuscular variables in chronic low back pain. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2015, 28, 239-246.	1.1	10
33	Proprioceptive Neuromuscular Facilitation Improves Balance and Knee Extensors Strength of Older Fallers. <i>ISRN Rehabilitation</i> , 2012, 2012, 1-7.	0.6	9
34	Discriminatory Ability of Lower-Extremity Peak Torque and Rate of Torque Development in the Identification of Older Women With Slow Gait Speed. <i>Journal of Applied Biomechanics</i> , 2018, 34, 270-277.	0.8	9
35	Are isokinetic leg torques and kick velocity reliable predictors of competitive level in taekwondo athletes?. <i>PLoS ONE</i> , 2021, 16, e0235582.	2.5	9
36	Lower limb strength is associated with gait biomechanical abnormalities in older female fallers and non-fallers. <i>Isokinetics and Exercise Science</i> , 2013, 21, 151-159.	0.4	8

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37	Isometric pre-conditioning blunts exercise-induced muscle damage but does not attenuate changes in running economy following downhill running. <i>Human Movement Science</i> , 2018, 60, 1-9.	1.4	8
38	Flexibility, torque and kick performance in soccer: Effect of dominance. <i>Science and Sports</i> , 2013, 28, e67-e70.	0.5	6
39	Lower limb muscle coactivation levels in healthy younger and older adults during functional dual-task gait. <i>Motriz Revista De Educacao Fisica</i> , 2013, 19, 620-626.	0.2	6
40	Ankle brace attenuates the medial-lateral ground reaction force during basketball rebound jump. <i>Revista Brasileira De Medicina Do Esporte</i> , 2017, 23, 232-236.	0.2	6
41	Co-contraction of the core muscles during Pilates exercise on the Wunda Chair. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2020, 33, 719-725.	1.1	6
42	Padrão de co-ativação dos músculos do tronco durante exercícios com haste oscilatória. <i>Motriz Revista De Educacao Fisica</i> , 2012, 18, 245-252.	0.2	5
43	Electromyographic evaluation of trunk core muscles during Pilates exercise on different supporting bases. <i>Journal of Bodywork and Movement Therapies</i> , 2019, 23, 855-859.	1.2	5
44	A global view on how local muscular fatigue affects human performance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 19866-19872.	7.1	5
45	Effects of fatigue on the neuromuscular capacity of professional soccer players. <i>Isokinetics and Exercise Science</i> , 2015, 23, 275-282.	0.4	4
46	Effect of age and fall status on lower-extremity muscle activation and joint torque and power in physically active women. <i>Isokinetics and Exercise Science</i> , 2016, 24, 67-77.	0.4	4
47	Core muscle activation during Pilates exercises on the Wunda chair. <i>Journal of Bodywork and Movement Therapies</i> , 2021, 25, 165-169.	1.2	4
48	Electromyographic activity of shoulder muscles during exercises performed with oscillatory and non-oscillatory poles. <i>Brazilian Journal of Physical Therapy</i> , 2011, , .	2.5	3
49	Variabilidade de parâmetros eletromiográficos e cinemáticos em diferentes condições de marcha em idosos. <i>Motriz Revista De Educacao Fisica</i> , 2013, 19, 141-150.	0.2	3
50	Efeito do treinamento com haste vibratória na biomecânica da marcha com dupla-tarefa em idosas. <i>Revista Brasileira De Medicina Do Esporte</i> , 2014, 20, 465-469.	0.2	3
51	Razão eletromiográfica de músculos estabilizadores do ombro durante a execução de exercícios com haste oscilatória. <i>Revista Brasileira De Medicina Do Esporte</i> , 2011, 17, 31-35.	0.2	3
52	Effects of Fatigue Induced by Prolonged Gait When Walking on the Elderly. <i>Human Movement</i> , 2011, 12, .	0.9	3
53	Subjective, cardiovascular and EMG spectral recovery after lumbar extension exhaustion test. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2008, 21, 175-183.	1.1	2
54	Comparação do sinal EMG e das características da passada em diferentes protocolos de corrida incremental. <i>Revista Brasileira De Educação Física E Esporte: RBEFE</i> , 2012, 26, 599-610.	0.1	2

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55	EFFECTS OF WEARING AN ANKLE BRACE ON GROUND REACTION FORCES DURING JUMPS IN BASKETBALL GAME SIMULATION. Revista Brasileira De Medicina Do Esporte, 2021, 27, 218-224.	0.2	2
56	ComparaçãŁo de protocolos de corrida para determinaçãŁo de diferentes limiares. Revista Brasileira De Medicina Do Esporte, 2014, 20, 92-96.	0.2	1
57	Comparison of the effects of different physical activities on laterality and asymmetry values through side bridge test. Motriz Revista De Educacao Fisica, 2019, 25, .	0.2	1
58	Effect of Pilates Mat Exercises on Neuromuscular Efficiency of the Multifidus and Internal Oblique Muscles in a Healthy Ballerina. Journal of Dance Medicine and Science, 2019, 23, 80-83.	0.7	1
59	Effects of six weeks of plyometric training on the ground vs on a mini-trampoline on strength, jump performance, and balance in male basketball playersâ€”randomized clinical trial. Sport Sciences for Health, 2023, 19, 829-839.	1.3	1
60	Maximal isokinetic peak torque and emg activity determined by shorter ranges of motion. Human Movement, 2012, 13, 102-108.	0.9	0
61	Effects of elbow flexor muscle resistance training on strength, endurance and perceived exertion. Human Movement, 2013, 14, 110-115.	0.9	0
62	Response to: â€œAre muscle weakness and falls status really correlated in physically active women? A comment to Crozara et al. (2016)â€• Isokinetics and Exercise Science, 2017, 25, 225-226.	0.4	0
63	Tempo de reaçãŁo eletromiogrÃ¡fica em idosas caidoras e nÃŁo-caidoras apÃ³s desequilÃ¡brio postural. Revista Brasileira De Cineantropometria E Desempenho Humano, 2014, 16, 298.	0.5	0