

Gennaro Boccia

List of Publications by Year in descending order

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64
papers

1,196
citations

393982

19
h-index

500791

28
g-index

65
all docs

65
docs citations

65
times ranked

1262
citing authors

#	ARTICLE	IF	CITATIONS
1	The relative age effect is larger in Italian soccer top-level youth categories and smaller in Serie A. PLoS ONE, 2018, 13, e0196253.	1.1	73
2	Career Performance Trajectories in Track and Field Jumping Events from Youth to Senior Success: The Importance of Learning and Development. PLoS ONE, 2017, 12, e0170744.	1.1	53
3	Innervation zone locations in 43 superficial muscles: Toward a standardization of electrode positioning. Muscle and Nerve, 2014, 49, 413-421.	1.0	50
4	Motor unit discharge rate and the estimated synaptic input to the vasti muscles is higher in open compared with closed kinetic chain exercise. Journal of Applied Physiology, 2019, 127, 950-958.	1.2	47
5	Muscle fiber conduction velocity and fractal dimension of EMG during fatiguing contraction of young and elderly active men. Physiological Measurement, 2016, 37, 162-174.	1.2	43
6	The Beginning of Senior Career in Team Sport Is Affected by Relative Age Effect. Frontiers in Psychology, 2019, 10, 1465.	1.1	43
7	Physiological intensity profile, exercise load and performance predictors of a 65-km mountain ultra-marathon. Journal of Sports Sciences, 2018, 36, 1287-1295.	1.0	42
8	Relative Age Influences Performance of World-Class Track and Field Athletes Even in the Adulthood. Frontiers in Psychology, 2019, 10, 1395.	1.1	36
9	Elite national athletes reach their peak performance later than non-elite in sprints and throwing events. Journal of Science and Medicine in Sport, 2019, 22, 342-347.	0.6	34
10	Screening, diagnosis and monitoring of sarcopenia: When to use which tool?. Clinical Nutrition ESPEN, 2022, 48, 36-44.	0.5	34
11	Muscular and metabolic responses to different Nordic walking techniques, when style matters. PLoS ONE, 2018, 13, e0195438.	1.1	29
12	Core Muscle Activation in Suspension Training Exercises. Journal of Human Kinetics, 2017, 56, 61-71.	0.7	28
13	Shared and task-specific muscle synergies of Nordic walking and conventional walking. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 905-918.	1.3	28
14	Rate of Force Development as an Indicator of Neuromuscular Fatigue: A Scoping Review. Frontiers in Human Neuroscience, 2021, 15, 701916.	1.0	28
15	Performance progression of elite jumpers: Early performances do not predict later success. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 132-139.	1.3	27
16	Innervation zones location and optimal electrodes position of obliquus internus and obliquus externus abdominis muscles. Journal of Electromyography and Kinesiology, 2014, 24, 25-30.	0.7	26
17	World-Class Sprinters™ Careers: Early Success Does Not Guarantee Success at Adult Age. International Journal of Sports Physiology and Performance, 2021, 16, 367-374.	1.1	26
18	Motor unit firing rates and synchronisation affect the fractal dimension of simulated surface electromyogram during isometric/isotonic contraction of vastus lateralis muscle. Medical Engineering and Physics, 2016, 38, 1530-1533.	0.8	24

#	ARTICLE	IF	CITATIONS
19	Severe COPD Alters Muscle Fiber Conduction Velocity During Knee Extensors Fatiguing Contraction. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2016, 13, 583-588.	0.7	24
20	The Application of sEMG in Aging: A Mini Review. Gerontology, 2015, 61, 477-484.	1.4	22
21	Being a top swimmer during the early career is not a prerequisite for success: A study on sprinter strokes. Journal of Science and Medicine in Sport, 2021, 24, 1272-1277.	0.6	22
22	Localized muscle vibration reverses quadriceps muscle hypotrophy and improves physical function: a clinical and electrophysiological study. International Journal of Rehabilitation Research, 2017, 40, 339-346.	0.7	21
23	The Daily Mile: 15 Minutes Running Improves the Physical Fitness of Italian Primary School Children. International Journal of Environmental Research and Public Health, 2019, 16, 3921.	1.2	21
24	Central and peripheral fatigue in knee and elbow extensor muscles after a long-distance cross-country ski race. Scandinavian Journal of Medicine and Science in Sports, 2017, 27, 945-955.	1.3	19
25	The Daily Mile Is Able to Improve Cardiorespiratory Fitness When Practiced Three Times a Week. International Journal of Environmental Research and Public Health, 2020, 17, 2095.	1.2	19
26	Elite Junior Throwers Unlikely to Remain at the Top Level in the Senior Category. International Journal of Sports Physiology and Performance, 2021, 16, 1281-1287.	1.1	19
27	Women show similar central and peripheral fatigue to men after half-marathon [*] . European Journal of Sport Science, 2018, 18, 695-704.	1.4	18
28	Interlimb Asymmetries Identified Using the Rate of Torque Development in Ballistic Contraction Targeting Submaximal Torques. Frontiers in Physiology, 2018, 9, 1701.	1.3	18
29	Participation in a school-based walking intervention changes the motivation to undertake physical activity in middle-school students. PLoS ONE, 2018, 13, e0204098.	1.1	18
30	Electromyographic Manifestations of Fatigue Correlate With Pulmonary Function, 6-Minute Walk Test, and Time to Exhaustion in COPD. Respiratory Care, 2015, 60, 1295-1302.	0.8	17
31	Neuromuscular Fatigue Does Not Impair the Rate of Force Development in Ballistic Contractions of Submaximal Amplitudes. Frontiers in Physiology, 2018, 9, 1503.	1.3	17
32	Robot-Assisted Gait Training in Patients with Multiple Sclerosis: A Randomized Controlled Crossover Trial. Medicina (Lithuania), 2021, 57, 713.	0.8	17
33	Cross-country skiing movement factorization to explore relationships between skiing economy and athletes' skills. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 565-574.	1.3	15
34	Feasibility of implementing an outdoor walking break in Italian middle schools. PLoS ONE, 2018, 13, e0202091.	1.1	15
35	Relationship between Isometric Muscle Force and Fractal Dimension of Surface Electromyogram. BioMed Research International, 2018, 2018, 1-9.	0.9	15
36	Effects of Pre-session Well-Being Perception on Internal Training Load in Female Volleyball Players. International Journal of Sports Physiology and Performance, 2021, 16, 622-627.	1.1	14

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37	Validation of the ADAMO Care Watch for step counting in older adults. PLoS ONE, 2018, 13, e0190753.	1.1	14
38	Corrective procedures remove relative age effect from world-class junior sprinters. Journal of Sports Sciences, 2021, 39, 2603-2610.	1.0	13
39	Decrease of muscle fiber conduction velocity correlates with strength loss after an endurance run. Physiological Measurement, 2017, 38, 233-240.	1.2	12
40	Fatigue-induced dissociation between rate of force development and maximal force across repeated rapid contractions. Human Movement Science, 2017, 54, 267-275.	0.6	12
41	Physiological factors associated with ski-mountaineering vertical race performance. Sport Sciences for Health, 2018, 14, 97-104.	0.4	12
42	Following a Long-Distance Classical Race the Whole-Body Kinematics of Double Poling by Elite Cross-Country Skiers Are Altered. Frontiers in Physiology, 2018, 9, 978.	1.3	12
43	Delayed parasympathetic reactivation and sympathetic withdrawal following maximal cardiopulmonary exercise testing (CPET) in hypoxia. European Journal of Applied Physiology, 2018, 118, 2189-2201.	1.2	12
44	The acute effects of spinal manipulation on neuromuscular function in asymptomatic individuals: A preliminary study. Physical Therapy in Sport, 2015, 16, 121-126.	0.8	11
45	Differences in age-related fiber atrophy between vastii muscles of active subjects: a multichannel surface EMG study. Physiological Measurement, 2015, 36, 1591-1600.	1.2	11
46	Effects of Flywheel Strength Training on the Running Economy of Recreational Endurance Runners. Journal of Strength and Conditioning Research, 2019, 33, 684-690.	1.0	9
47	Corrective Adjustment Procedures as a strategy to remove Relative Age Effects: Validation across male and female age-group long jumping. Journal of Science and Medicine in Sport, 2022, 25, 678-683.	0.6	8
48	Internal-Training-Load Monitoring, Notational and Time-Motion Analyses, Psychometric Status, and Neuromuscular Responses in Elite Rugby Union. International Journal of Sports Physiology and Performance, 2021, 16, 421-428.	1.1	7
49	Margins of stability and trunk coordination during Nordic walking. Journal of Biomechanics, 2022, 134, 111001.	0.9	7
50	Small Relative Age Effect Appears in Professional Female Italian Team Sports. International Journal of Environmental Research and Public Health, 2022, 19, 385.	1.2	7
51	Physiological and anthropometric characteristics of top-level youth cross-country cyclists. Journal of Sports Sciences, 2018, 36, 901-906.	1.0	6
52	Acute and cumulative effects of rTMS on behavioural and EMG parameters in Focal Hand Dystonia. Heliyon, 2019, 5, e02770.	1.4	5
53	Higher Neuromuscular Manifestations of Fatigue in Dynamic than Isometric Pull-Up Tasks in Rock Climbers. Journal of Human Kinetics, 2015, 47, 31-39.	0.7	4
54	Oxygen consumption and muscle fatigue induced by whole-body electromyostimulation compared to equal-duration body weight circuit training. Sport Sciences for Health, 2017, 13, 121-130.	0.4	4

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55	Functional significance of extent and timing of muscle activation during double poling on-snow with increasing speed. <i>European Journal of Applied Physiology</i> , 2017, 117, 2149-2157.	1.2	4
56	Relative age effect in males, but not females, undergraduate students of sport science. <i>Sport Sciences for Health</i> , 2017, 13, 349-353.	0.4	4
57	Relevance of evaluating the rate of torque development in ballistic contractions of submaximal amplitude. <i>Physiological Measurement</i> , 2019, 40, 025002.	1.2	4
58	Training sessions with tackles impair upper-limb neuromuscular function in elite rugby union. <i>Biology of Sport</i> , 2020, 37, 415-422.	1.7	4
59	The Cut-Off Value for Classifying Active Italian Children Using the Corresponding National Version of the Physical Activity Questionnaire. <i>Sports</i> , 2022, 10, 61.	0.7	3
60	Strength Asymmetries Are Muscle-Specific and Metric-Dependent. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8495.	1.2	3
61	Relationship between stature level and success in elite judo: an analysis on four consecutive Olympic Games. <i>Sport Sciences for Health</i> , 2018, 14, 115-119.	0.4	2
62	Development of an innovative multi-purpose hand-held dynamometer and algometer for clinical use. <i>Physiotherapy</i> , 2017, 103, e138-e139.	0.2	1
63	Neuromuscular efficiency in fibromyalgia is improved by hyperbaric oxygen therapy: looking inside muscles by means of surface electromyography. <i>Clinical and Experimental Rheumatology</i> , 2019, 37 Suppl 116, 75-80.	0.4	1
64	Lower fatigability of locomotor than non-locomotor muscles in endurance runners. <i>Sport Sciences for Health</i> , 2016, 12, 369-375.	0.4	0