

Alberto Rainoldi

List of Publications by Year in descending order

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Version: 2024-02-01

99
papers

4,456
citations

136950

32
h-index

123424

61
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102
all docs

102
docs citations

102
times ranked

4166
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.7	3
2	Effects of a Multicomponent Exercise Program on Prevalence and Severity of the Frailty Syndrome in a Sample of Italian Community-Dwelling Older Adults. <i>Healthcare (Switzerland)</i> , 2022, 10, 911.	2.0	5
3	Strength Asymmetries Are Muscle-Specific and Metric-Dependent. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8495.	2.6	3
4	Subjective versus Objective Measure of Physical Activity: A Systematic Review and Meta-Analysis of the Convergent Validity of the Physical Activity Questionnaire for Children (PAQ-C). <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3413.	2.6	28
5	Relation among Perceived Weight Change, Sedentary Activities and Sleep Quality during COVID-19 Lockdown: A Study in an Academic Community in Northern Italy. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2943.	2.6	28
6	Rate of Force Development as an Indicator of Neuromuscular Fatigue: A Scoping Review. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 701916.	2.0	28
7	Is fatigue a muscular phenomenon in Parkinson's disease? Implications for rehabilitation. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2021, 57, 691-700.	2.2	2
8	Italian student-athletes only need a more effective daily schedule to support their dual career. <i>Sport Sciences for Health</i> , 2020, 16, 177-182.	1.3	10
9	Actual and wished supports to promote a successful dual career according to Italian student-athletesâ€™ point of view. <i>Sport Sciences for Health</i> , 2020, 16, 625-634.	1.3	4
10	The Daily Mile Is Able to Improve Cardiorespiratory Fitness When Practiced Three Times a Week. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2095.	2.6	19
11	Motor unit discharge rate and the estimated synaptic input to the vasti muscles is higher in open compared with closed kinetic chain exercise. <i>Journal of Applied Physiology</i> , 2019, 127, 950-958.	2.5	47
12	The Daily Mile: 15 Minutes Running Improves the Physical Fitness of Italian Primary School Children. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3921.	2.6	21
13	Relative Age Influences Performance of World-Class Track and Field Athletes Even in the Adulthood. <i>Frontiers in Psychology</i> , 2019, 10, 1395.	2.1	36
14	A comparison between an ICT tool and a traditional physical measure for frailty evaluation in older adults. <i>BMC Geriatrics</i> , 2019, 19, 88.	2.7	9
15	ADAMO INDOOR MOBILITY, PHYSICAL FRAILITY, AND AUTONOMY IN OLDER ADULTS: A MEDIATION MODEL. <i>Innovation in Aging</i> , 2019, 3, S681-S682.	0.1	3
16	Elite national athletes reach their peak performance later than non-elite in sprints and throwing events. <i>Journal of Science and Medicine in Sport</i> , 2019, 22, 342-347.	1.3	34
17	Motor neuron degeneration, severe myopathy and TDP-43 increase in a transgenic pig model of SOD1-linked familial ALS. <i>Neurobiology of Disease</i> , 2019, 124, 263-275.	4.4	17
18	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.	0.8	1

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19	Women show similar central and peripheral fatigue to men after halfâ€marathon[*]. European Journal of Sport Science, 2018, 18, 695-704.	2.7	18
20	Interlimb Asymmetries Identified Using the Rate of Torque Development in Ballistic Contraction Targeting Submaximal Torques. Frontiers in Physiology, 2018, 9, 1701.	2.8	18
21	Neuromuscular Fatigue Does Not Impair the Rate of Force Development in Ballistic Contractions of Submaximal Amplitudes. Frontiers in Physiology, 2018, 9, 1503.	2.8	17
22	Participation in a school-based walking intervention changes the motivation to undertake physical activity in middle-school students. PLoS ONE, 2018, 13, e0204098.	2.5	18
23	Feasibility of implementing an outdoor walking break in Italian middle schools. PLoS ONE, 2018, 13, e0202091.	2.5	15
24	Muscular and metabolic responses to different Nordic walking techniques, when style matters. PLoS ONE, 2018, 13, e0195438.	2.5	29
25	Delta and alpha rhythms are modulated by the physical movement knowledge in acrobatic gymnastics: an EEG study in visual context. Sport Sciences for Health, 2018, 14, 563-569.	1.3	5
26	The relative age effect is larger in Italian soccer top-level youth categories and smaller in Serie A. PLoS ONE, 2018, 13, e0196253.	2.5	73
27	Validation of the ADAMO Care Watch for step counting in older adults. PLoS ONE, 2018, 13, e0190753.	2.5	14
28	Central and peripheral fatigue in knee and elbow extensor muscles after a longâ€distance crossâ€country ski race. Scandinavian Journal of Medicine and Science in Sports, 2017, 27, 945-955.	2.9	19
29	Decrease of muscle fiber conduction velocity correlates with strength loss after an endurance run. Physiological Measurement, 2017, 38, 233-240.	2.1	12
30	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.	1.3	4
31	Fatigue-induced dissociation between rate of force development and maximal force across repeated rapid contractions. Human Movement Science, 2017, 54, 267-275.	1.4	12
32	Familiarity affects electrocortical power spectra during dance imagery, listening to different music genres: independent component analysis of Alpha and Beta rhythms. Sport Sciences for Health, 2017, 13, 535-548.	1.3	7
33	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.	1.3	21
34	Relative age effect in males, but not females, undergraduate students of sport science. Sport Sciences for Health, 2017, 13, 349-353.	1.3	4
35	Motivation toward dual career of Italian student-athletes enrolled in different university paths. Sport Sciences for Health, 2017, 13, 485-494.	1.3	23
36	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.	2.5	53

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37	Hand grip strength and anthropometric characteristics in Italian female national basketball teams. <i>Journal of Sports Medicine and Physical Fitness</i> , 2017, 57, 521-528.	0.7	24
38	The Adapted Italian Version of the Baller Identity Measurement Scale to Evaluate the Student-Athletes'™ Identity in Relation to Gender, Age, Type of Sport, and Competition Level. <i>PLoS ONE</i> , 2017, 12, e0169278.	2.5	21
39	Lower fatigability of locomotor than non-locomotor muscles in endurance runners. <i>Sport Sciences for Health</i> , 2016, 12, 369-375.	1.3	0
40	Motor unit firing rates and synchronisation affect the fractal dimension of simulated surface electromyogram during isometric/isotonic contraction of vastus lateralis muscle. <i>Medical Engineering and Physics</i> , 2016, 38, 1530-1533.	1.7	24
41	Muscle fiber conduction velocity and fractal dimension of EMG during fatiguing contraction of young and elderly active men. <i>Physiological Measurement</i> , 2016, 37, 162-174.	2.1	43
42	Severe COPD Alters Muscle Fiber Conduction Velocity During Knee Extensors Fatiguing Contraction. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2016, 13, 583-588.	1.6	24
43	The contribution of postural balance analysis in older adult fallers: A narrative review. <i>Journal of Bodywork and Movement Therapies</i> , 2016, 20, 409-417.	1.2	56
44	Higher Neuromuscular Manifestations of Fatigue in Dynamic than Isometric Pull-Up Tasks in Rock Climbers. <i>Journal of Human Kinetics</i> , 2015, 47, 31-39.	1.5	4
45	The acute effects of spinal manipulation on neuromuscular function in asymptomatic individuals: A preliminary study. <i>Physical Therapy in Sport</i> , 2015, 16, 121-126.	1.9	11
46	Sport, how people choose it: A network analysis approach. <i>European Journal of Sport Science</i> , 2015, 15, 414-423.	2.7	1
47	A kinematic analysis to evaluate the start techniques'™ efficacy in swimming. <i>Sport Sciences for Health</i> , 2015, 11, 57-66.	1.3	6
48	The Application of sEMG in Aging: A Mini Review. <i>Gerontology</i> , 2015, 61, 477-484.	2.8	22
49	Differences in age-related fiber atrophy between vastii muscles of active subjects: a multichannel surface EMG study. <i>Physiological Measurement</i> , 2015, 36, 1591-1600.	2.1	11
50	Electromyographic Manifestations of Fatigue Correlate With Pulmonary Function, 6-Minute Walk Test, and Time to Exhaustion in COPD. <i>Respiratory Care</i> , 2015, 60, 1295-1302.	1.6	17
51	Risk factors related to sleep bruxism in children: A systematic literature review. <i>Archives of Oral Biology</i> , 2015, 60, 1618-1624.	1.8	63
52	Do sweep rowers symmetrically activate their low back muscles during indoor rowing?. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015, 25, e339-52.	2.9	19
53	Optimization of sEMG electrode positioning in vastus lateralis muscle during neuromuscular electrical stimulation. <i>Sport Sciences for Health</i> , 2014, 10, 253-260.	1.3	3
54	Innervation zone locations in 43 superficial muscles: Toward a standardization of electrode positioning. <i>Muscle and Nerve</i> , 2014, 49, 413-421.	2.2	50

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55	University courses, eating problems and muscle dysmorphia: are there any associations?. Journal of Translational Medicine, 2014, 12, 221.	4.4	94
56	Relationship among explosive power, body fat, fat free mass and pubertal development in youth soccer players: a preliminary study. Sport Sciences for Health, 2014, 10, 67-73.	1.3	12
57	Effects of sedentary condition and longterm physical activity on postural balance and strength responses in elderly subjects. Sport Sciences for Health, 2014, 10, 135-141.	1.3	11
58	Innervation zones location and optimal electrodes position of obliquus internus and obliquus externus abdominis muscles. Journal of Electromyography and Kinesiology, 2014, 24, 25-30.	1.7	26
59	Features of the Two-Dimensional sEMG Signal: EMG Feature Imaging. , 2012, , 61-69.		0
60	Atlas of Muscle Innervation Zones. , 2012, , .		224
61	Muscle fatigue induced by two different resistances: Elastic tubing versus weight machines. Journal of Electromyography and Kinesiology, 2011, 21, 954-959.	1.7	51
62	Prevention of Falling Risk in Elderly People: The Relevance of Muscular Strength and Symmetry of Lower Limbs in Postural Stability. Journal of Strength and Conditioning Research, 2011, 25, 567-574.	2.1	44
63	Fatigue and fibromyalgia syndrome: Clinical and neurophysiologic pattern. Best Practice and Research in Clinical Rheumatology, 2011, 25, 241-247.	3.3	21
64	Central motor control failure in fibromyalgia: a surface electromyography study. BMC Musculoskeletal Disorders, 2009, 10, 78.	1.9	31
65	Surface EMG: The issue of electrode location. Journal of Electromyography and Kinesiology, 2009, 19, 719-726.	1.7	146
66	High frequency vibration conditioning stimulation centrally reduces myoelectrical manifestation of fatigue in healthy subjects. Journal of Electromyography and Kinesiology, 2009, 19, 998-1004.	1.7	15
67	A bi-dimensional index for the selective assessment of myoelectric manifestations of peripheral and central muscle fatigue. Journal of Electromyography and Kinesiology, 2009, 19, 851-863.	1.7	79
68	Surface EMG signal alterations in Carpal Tunnel syndrome: a pilot study. European Journal of Applied Physiology, 2008, 103, 233-242.	2.5	22
69	Differences in myoelectric manifestations of fatigue in sprinters and long distance runners. Physiological Measurement, 2008, 29, 331-340.	2.1	45
70	Mechanical and myoelectric manifestations of fatigue in subjects with anorexia nervosa. Journal of Electromyography and Kinesiology, 2008, 18, 291-297.	1.7	16
71	Myoelectric manifestations of fatigue in vastus lateralis, medialis obliquus and medialis longus muscles. Journal of Electromyography and Kinesiology, 2008, 18, 1032-1037.	1.7	44
72	Mechanical and EMG responses of the vastus lateralis and changes in biochemical variables to isokinetic exercise in endurance and power athletes. Journal of Sports Sciences, 2008, 26, 311-319.	2.0	15

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73	Corticotroph axis sensitivity after exercise: Comparison between elite athletes and sedentary subjects. <i>Journal of Endocrinological Investigation</i> , 2007, 30, 215-223.	3.3	44
74	The clinical use of macro and surface electromyography in diagnosis and follow-up of endocrine and drug-induced myopathies. <i>Journal of Endocrinological Investigation</i> , 2007, 30, 791-796.	3.3	9
75	Influence of the sample collection method on salivary interleukin-6 levels in resting and post-exercise conditions. <i>European Journal of Applied Physiology</i> , 2007, 101, 249-256.	2.5	42
76	Interleukin-6 response to isokinetic exercise in elite athletes: relationships to adrenocortical function and to mechanical and myoelectric fatigue. <i>European Journal of Applied Physiology</i> , 2006, 98, 373-382.	2.5	16
77	Confounding factors in water EMG recordings: an approach to a definitive standard. <i>Medical and Biological Engineering and Computing</i> , 2006, 44, 348-351.	2.8	20
78	Differential responses of serum and salivary interleukin-6 to acute strenuous exercise. <i>European Journal of Applied Physiology</i> , 2005, 93, 679-686.	2.5	62
79	Multichannel Surface EMG for the Non-Invasive Assessment of the Anal Sphincter Muscle. <i>Digestion</i> , 2004, 69, 112-122.	2.3	75
80	Neck flexor muscle fatigue is side specific in patients with unilateral neck pain. <i>European Journal of Pain</i> , 2004, 8, 71-77.	2.8	87
81	Myoelectric manifestations of fatigue during exposure to hypobaric hypoxia for 12 days. <i>Muscle and Nerve</i> , 2004, 30, 618-625.	2.2	18
82	A method for positioning electrodes during surface EMG recordings in lower limb muscles. <i>Journal of Neuroscience Methods</i> , 2004, 134, 37-43.	2.5	448
83	Neuromuscular efficiency of the sternocleidomastoid and anterior scalene muscles in patients with chronic neck pain. <i>Disability and Rehabilitation</i> , 2004, 26, 712-717.	1.8	89
84	Lack of correlation between sternocleidomastoid and scalene muscle fatigability and duration of symptoms in chronic neck pain patients. <i>Neurophysiologie Clinique</i> , 2004, 34, 159-165.	2.2	19
85	Surface EMG alterations induced by underwater recording. <i>Journal of Electromyography and Kinesiology</i> , 2004, 14, 325-331.	1.7	41
86	Spatio-temporal evaluation of neck muscle activation during postural perturbations in healthy subjects. <i>Journal of Electromyography and Kinesiology</i> , 2004, 14, 463-474.	1.7	38
87	Myoelectric manifestations of sternocleidomastoid and anterior scalene muscle fatigue in chronic neck pain patients. <i>Clinical Neurophysiology</i> , 2003, 114, 488-495.	1.5	154
88	Can continuous physical training counteract aging effect on myoelectric fatigue? A surface electromyography study application. <i>Archives of Physical Medicine and Rehabilitation</i> , 2003, 84, 513-517.	0.9	24
89	An Electromyographic Analysis of the Deep Cervical Flexor Muscles in Performance of Craniocervical Flexion. <i>Physical Therapy</i> , 2003, 83, 899-906.	2.4	170
90	An electromyographic analysis of the deep cervical flexor muscles in performance of craniocervical flexion. <i>Physical Therapy</i> , 2003, 83, 899-906.	2.4	30

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91	Location of innervation zones of sternocleidomastoid and scalene muscles – a basis for clinical and research electromyography applications. <i>Clinical Neurophysiology</i> , 2002, 113, 57-63.	1.5	257
92	Repeatability of surface EMG variables in the sternocleidomastoid and anterior scalene muscles. <i>European Journal of Applied Physiology</i> , 2002, 87, 542-549.	2.5	80
93	Repeatability of maximal voluntary force and of surface EMG variables during voluntary isometric contraction of quadriceps muscles in healthy subjects. <i>Journal of Electromyography and Kinesiology</i> , 2001, 11, 425-438.	1.7	97
94	Surface Electromyography for Noninvasive Characterization of Muscle. <i>Exercise and Sport Sciences Reviews</i> , 2001, 29, 20-25.	3.0	227
95	Geometrical factors in surface EMG of the vastus medialis and lateralis muscles. <i>Journal of Electromyography and Kinesiology</i> , 2000, 10, 327-336.	1.7	158
96	Compensation of the effect of sub-cutaneous tissue layers on surface EMG: a simulation study. <i>Medical Engineering and Physics</i> , 1999, 21, 487-497.	1.7	111
97	Two methods for the measurement of voluntary contraction torque in the biceps brachii muscle. <i>Medical Engineering and Physics</i> , 1999, 21, 533-540.	1.7	13
98	Repeatability of surface EMG variables during voluntary isometric contractions of the biceps brachii muscle. <i>Journal of Electromyography and Kinesiology</i> , 1999, 9, 105-119.	1.7	154
99	Neural networks and logistic regression: Analysis of a case-control study on myocardial infarction. <i>Journal of Clinical Epidemiology</i> , 1997, 50, 1309-1310.	5.0	16