

# Giampiero Merati

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

575  
citations

623734

14  
h-index

677142

22  
g-index

35  
all docs

35  
docs citations

35  
times ranked

774  
citing authors

#	ARTICLE	IF	CITATIONS
1	Complexity Analysis of Surface Electromyography for Assessing the Myoelectric Manifestation of Muscle Fatigue: A Review. <i>Entropy</i> , 2020, 22, 529.	2.2	69
2	Assessment of the Autonomic Control of Heart Rate Variability in Healthy and Spinal-Cord Injured Subjects: Contribution of Different Complexity-Based Estimators. <i>IEEE Transactions on Biomedical Engineering</i> , 2006, 53, 43-52.	4.2	52
3	Effects of trimetazidine on metabolic and functional recovery of postischemic rat hearts. <i>Cardiovascular Drugs and Therapy</i> , 1998, 12, 543-549.	2.6	37
4	Cardio-respiratory adjustments and cost of locomotion in schoolchildren during backpack walking (the Italian Backpack Study). <i>European Journal of Applied Physiology</i> , 2001, 85, 41-48.	2.5	37
5	A wearable system for the seismocardiogram assessment in daily life conditions. , 2011, 2011, 4263-6.		37
6	Cardiac sounds from a wearable device for sternal seismocardiography. , 2011, 2011, 4283-6.		31
7	Relationship between Cognitive Functions and Sport-Specific Physical Performance in Youth Volleyball Players. <i>Brain Sciences</i> , 2021, 11, 227.	2.3	31
8	Relationship Between Push Phase and Final Race Time in Skeleton Performance. <i>Journal of Strength and Conditioning Research</i> , 2006, 20, 579.	2.1	31
9	Tridimensional kinematic analysis on a kayaking simulator: key factors to successful performance. <i>Sport Sciences for Health</i> , 2010, 6, 27-34.	1.3	30
10	A pilot study of brisk walking in sedentary combination antiretroviral treatment (cART)- treated patients: benefit on soluble and cell inflammatory markers. <i>BMC Infectious Diseases</i> , 2017, 17, 61.	2.9	30
11	Acute Effects of Static Stretching on Squat Jump Performance at Different Knee Starting Angles. <i>Journal of Strength and Conditioning Research</i> , 2010, 24, 687-694.	2.1	25
12	A Mobile Application for Exercise Intervention in People Living with HIV. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 425-433.	0.4	25
13	Trunk muscular strength in pre-pubertal children with and without back pain. <i>Developmental Neurorehabilitation</i> , 2004, 7, 97-103.	1.1	23
14	Wearable Multi-Frequency and Multi-Segment Bioelectrical Impedance Spectroscopy for Unobtrusively Tracking Body Fluid Shifts during Physical Activity in Real-Field Applications: A Preliminary Study. <i>Sensors</i> , 2016, 16, 673.	3.8	23
15	Genetics of Renal Damage in Primary Hypertension. <i>American Journal of Kidney Diseases</i> , 1993, 21, 2-9.	1.9	18
16	Effects of passive stretching on post-activation potentiation and fibre conduction velocity of biceps brachii muscle. <i>Sport Sciences for Health</i> , 2008, 4, 43-50.	1.3	14
17	Feasibility of Long-Term Monitoring of Multifrequency and Multisegment Body Impedance by Portable Devices. <i>IEEE Transactions on Biomedical Engineering</i> , 2014, 61, 1877-1886.	4.2	10
18	The long-tail effect of the COVID-19 lockdown on Italiansâ€™ quality of life, sleep and physical activity. <i>Scientific Data</i> , 2022, 9, .	5.3	10

#	ARTICLE	IF	CITATIONS
19	Assessing Sample Entropy of physiological signals by the norm component matrix algorithm: Application on muscular signals during isometric contraction. , 2013, 2013, 5053-6.		9
20	Decomposing the complexity of heart-rate variability by the multifractalâ€“multiscale approach to detrended fluctuation analysis: an application to low-level spinal cord injury. Physiological Measurement, 2019, 40, 084003.	2.1	9
21	Cardio-respiratory autonomic responses to nociceptive stimuli in patients with disorders of consciousness. PLoS ONE, 2018, 13, e0201921.	2.5	6
22	Interpretation and Perception of Two Different Kumite Fighting Intensities through an Integrated Approach Training in International Level Karatekas: An Exploratory Study. Perceptual and Motor Skills, 2015, 121, 333-349.	1.3	5
23	Changes in Upper-Body Muscular Strength and Power in Paralympic Swimmers: Effects of Training Confinement during the COVID-19 Pandemic. International Journal of Environmental Research and Public Health, 2022, 19, 5382.	2.6	4
24	Influence of sympathetic vascular regulation on heart-rate scaling structure: spinal cord lesion as a model of progressively impaired autonomic control. Biomedizinische Technik, 2006, 51, 240-243.	0.8	3
25	Energy expenditure in obese children: evaluation of a new multisensor device. Sport Sciences for Health, 2015, 11, 305-312.	1.3	2
26	Cardiac and autonomic adaptations to a wheelchair hockey match in athletes with muscular dystrophy. Sport Sciences for Health, 2008, 4, 59-63.	1.3	1
27	Occupational Disorders, Daily Workload, and Fitness Levels Among Fitness and Swimming Instructors. Frontiers in Public Health, 2021, 9, 666019.	2.7	1
28	Benefits of a 12-Week physical activity programme on muscle and bone health in people living with HIV. Journal of Cachexia, Sarcopenia and Muscle, 2021, , .	7.3	1
29	Cardiac Autonomic Modulation and Response to Sub-Maximal Exercise in Chilean Hypertensive Miners. Frontiers in Physiology, 2022, 13, 846891.	2.8	1
30	Influence of Autonomic Impairment on Blood-Pressure and Heart-Rate Scaling Structures. , 2006, 2006, 1446-9.		0
31	Assessing the convolutedness of multivariate physiological time series. , 2014, 2014, 6024-7.		0