

# Gianluca Vernillo

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,281  
citations

448610

19  
h-index

445137

33  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1710  
citing authors

#	ARTICLE	IF	CITATIONS
1	The repeated bout effect influences lowerâ€extremity biomechanics during a 30â€min downhill run. <i>European Journal of Sport Science</i> , 2023, 23, 510-519.	1.4	1
2	Neuromuscular, biomechanical, and energetic adjustments following repeated bouts of downhill running. <i>Journal of Sport and Health Science</i> , 2022, 11, 319-329.	3.3	8
3	Internal Tibial Forces and Moments During Graded Running. <i>Journal of Biomechanical Engineering</i> , 2022, 144, .	0.6	8
4	Reliability of relaxation properties of knee-extensor muscles induced by transcranial magnetic stimulation. <i>Neuroscience Letters</i> , 2022, 782, 136694.	1.0	2
5	Use of transcranial magnetic stimulation to assess relaxation rates in unfatigued and fatigued knee-extensor muscles. <i>Experimental Brain Research</i> , 2021, 239, 205-216.	0.7	8
6	Regular changes in foot strike pattern during prolonged downhill running do not influence neuromuscular, energetics, or biomechanical parameters. <i>European Journal of Sport Science</i> , 2020, 20, 495-504.	1.4	6
7	Step length and grade effects on energy absorption and impact attenuation in running. <i>European Journal of Sport Science</i> , 2020, 20, 756-766.	1.4	14
8	Changes in spatioâ€temporal gait parameters and vertical speed during an extreme mountain ultraâ€marathon. <i>European Journal of Sport Science</i> , 2020, 20, 1339-1345.	1.4	7
9	Spinal contribution to neuromuscular recovery differs between elbow-flexor and knee-extensor muscles after a maximal sustained fatiguing task. <i>Journal of Neurophysiology</i> , 2020, 124, 763-773.	0.9	4
10	Biomechanics of graded running: Part I â€Stride parameters, external forces, muscle activations. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 1632-1641.	1.3	16
11	Biomechanics of graded running: Part II â€Joint kinematics and kinetics. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 1642-1654.	1.3	23
12	Defining Off-road Running: A Position Statement from the Ultra Sports Science Foundation. <i>International Journal of Sports Medicine</i> , 2020, 41, 275-284.	0.8	70
13	Effect of a Fatiguing Ultratrail on the Graded Energetically Optimal Stride Frequency. <i>International Journal of Sports Physiology and Performance</i> , 2020, 15, 1340-1343.	1.1	0
14	Do aerobic characteristics explain isometric exercise-induced neuromuscular fatigue and recovery in upper and lower limbs?. <i>Journal of Sports Sciences</i> , 2019, 37, 387-395.	1.0	5
15	Sustained Maximal Voluntary Contractions Elicit Different Neurophysiological Responses in Upper- and Lower-Limb Muscles in Men. <i>Neuroscience</i> , 2019, 422, 88-98.	1.1	10
16	Postural Control Follows a Bi-Phasic Alteration Pattern During Mountain Ultra-Marathon. <i>Frontiers in Physiology</i> , 2019, 9, 1971.	1.3	6
17	Editorial: Recent Evolutions and Perspectives in Olympic Winter Sports Performance: To PyeongChang and Beyondâ€ . <i>Frontiers in Physiology</i> , 2019, 10, 481.	1.3	1
18	Energetically optimal stride frequency is maintained with fatigue in trained ultramarathon runners. <i>Journal of Science and Medicine in Sport</i> , 2019, 22, 1054-1058.	0.6	8

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19	Effects of Ball Drills and Repeated-Sprint-Ability Training in Basketball Players. <i>International Journal of Sports Physiology and Performance</i> , 2019, 14, 757-764.	1.1	27
20	Mechanisms of Fatigue and Recovery in Upper versus Lower Limbs in Men. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 334-343.	0.2	42
21	Commentaries on Viewpoint: Principles, insights, and potential pitfalls of the noninvasive determination of muscle oxidative capacity by near-infrared spectroscopy. <i>Journal of Applied Physiology</i> , 2018, 124, 249-255.	1.2	6
22	Physiological and Physical Profile of Snowboarding: A Preliminary Review. <i>Frontiers in Physiology</i> , 2018, 9, 770.	1.3	6
23	Joint kinematics and ground reaction forces in overground versus treadmill graded running. <i>Gait and Posture</i> , 2018, 63, 109-113.	0.6	39
24	Effect of repeated-sprints on the reliability of short-term parasympathetic reactivation. <i>PLoS ONE</i> , 2018, 13, e0192231.	1.1	5
25	Effects of repeated sprints training on fracture risk-associated miRNA. <i>Oncotarget</i> , 2018, 9, 18029-18040.	0.8	30
26	Plasminogen activator inhibitor-1 as a marker of cardiovascular response in professional mountain ultra-marathon runners. <i>Clinical Chemistry and Laboratory Medicine</i> , 2017, 55, e7-e9.	1.4	1
27	Central and peripheral fatigue in knee and elbow extensor muscles after a long-distance cross-country ski race. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2017, 27, 945-955.	1.3	19
28	Changes in Muscle Architecture of Vastus Lateralis Muscle After an Alpine Snowboarding Race. <i>Journal of Strength and Conditioning Research</i> , 2017, 31, 254-259.	1.0	6
29	MiR-320a as a Potential Novel Circulating Biomarker of Arrhythmogenic CardioMyopathy. <i>Scientific Reports</i> , 2017, 7, 4802.	1.6	39
30	Biomechanics and Physiology of Uphill and Downhill Running. <i>Sports Medicine</i> , 2017, 47, 615-629.	3.1	162
31	Bone turnover response is linked to both acute and established metabolic changes in ultra-marathon runners. <i>Endocrine</i> , 2017, 56, 196-204.	1.1	27
32	Effects of Ultratrail Running on Skeletal-Muscle Oxygenation Dynamics. <i>International Journal of Sports Physiology and Performance</i> , 2017, 12, 496-504.	1.1	14
33	Does the Running Economy Really Increase after Ultra-Marathons?. <i>Frontiers in Physiology</i> , 2017, 8, 783.	1.3	38
34	The Energetics during the World's Most Challenging Mountain Ultra-Marathon—A Case Study at the Tor des Geants®. <i>Frontiers in Physiology</i> , 2017, 8, 1003.	1.3	12
35	An Extreme Mountain Ultra-Marathon Decreases the Cost of Uphill Walking and Running. <i>Frontiers in Physiology</i> , 2016, 7, 530.	1.3	31
36	Epigenetics in Cardiac Health and Disease miR-218 and mi-R34a drive persistent myocardial oxidative stress by targeting chromatin remodelers DNMT3b and SIRT1: new mechanistic insights in diabetic cardiomyopathy Effects of miRNAs modulated by endurance training on cardiomyocyte excitability Differential transcriptome and microRNA expression signatures in the healthy heart (RV) Tj ETQq0 0 18 BT /Overlock 10 T		
	2016, 111, S43-S43.		

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37	Injury and Illness Rates During Ultratrail Running. <i>International Journal of Sports Medicine</i> , 2016, 37, 565-569.	0.8	30
38	Fatigue associated with prolonged graded running. <i>European Journal of Applied Physiology</i> , 2016, 116, 1859-1873.	1.2	72
39	Strength Asymmetry Between Front and Rear Leg in Elite Snowboard Athletes. <i>Clinical Journal of Sport Medicine</i> , 2016, 26, 83-85.	0.9	14
40	Gokyo Khumbu/Ama Dablam Trek 2012: effects of physical training and high-altitude exposure on oxidative metabolism, muscle composition, and metabolic cost of walking in women. <i>European Journal of Applied Physiology</i> , 2016, 116, 129-144.	1.2	17
41	Physiological characteristics of elite snowboarders. <i>Journal of Sports Medicine and Physical Fitness</i> , 2016, 56, 527-33.	0.4	4
42	Validity of the SenseWear Armband to Assess Energy Expenditure in Graded Walking. <i>Journal of Physical Activity and Health</i> , 2015, 12, 178-183.	1.0	18
43	Energy cost and kinematics of level, uphill and downhill running: fatigue-induced changes after a mountain ultramarathon. <i>Journal of Sports Sciences</i> , 2015, 33, 1998-2005.	1.0	56
44	Postexercise autonomic function after repeated-sprints training. <i>European Journal of Applied Physiology</i> , 2015, 115, 2445-2455.	1.2	9
45	Changes in lung function during an extreme mountain ultramarathon. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015, 25, e374-80.	1.3	31
46	Validity of the SenseWear Armband to Assess Energy Expenditure in Graded Walking. <i>Journal of Physical Activity and Health</i> , 2015, 12, 178-183.	1.0	2
47	Evaluation of the SenseWear Mini Armband to Assess Energy Expenditure During Pole Walking. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2014, 24, 565-569.	1.0	9
48	Influence of the world's most challenging mountain ultra-marathon on energy cost and running mechanics. <i>European Journal of Applied Physiology</i> , 2014, 114, 929-939.	1.2	52
49	Estimation of Maximal Oxygen Uptake via Submaximal Exercise Testing in Sports, Clinical, and Home Settings. <i>Sports Medicine</i> , 2013, 43, 865-873.	3.1	101
50	Uphill Racewalking at Iso-Efficiency Speed. <i>Journal of Strength and Conditioning Research</i> , 2013, 27, 1964-1973.	1.0	26
51	Concurrent Strength and Endurance Training Effects on Running Economy in Master Endurance Runners. <i>Journal of Strength and Conditioning Research</i> , 2013, 27, 2295-2303.	1.0	51
52	Footstep Analysis at Different Slopes and Speeds in Elite Race Walking. <i>Journal of Strength and Conditioning Research</i> , 2013, 27, 125-129.	1.0	25
53	The Yo-Yo Intermittent Recovery Test in Junior Basketball Players According to Performance Level and Age Group. <i>Journal of Strength and Conditioning Research</i> , 2012, 26, 2490-2494.	1.0	20
54	An Observational Study on the Perceptive and Physiological Variables During a 10,000-m Race Walking Competition. <i>Journal of Strength and Conditioning Research</i> , 2012, 26, 2741-2747.	1.0	11

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55	Exercise Intensity and Pacing Strategy of a 5-km Indoor Race Walk During a World Record Attempt: A Case Study. <i>Journal of Strength and Conditioning Research</i> , 2011, 25, 2048-2052.	1.0	12
56	Is It Time to Consider a New Performance Classification for High-Level Male Marathon Runners?. <i>Journal of Strength and Conditioning Research</i> , 2011, 25, 3242-3247.	1.0	9
57	Combined endurance and resistance circuit training in highly trained/top-level female race walkers: a case report. <i>Sport Sciences for Health</i> , 2008, 4, 51-58.	0.4	5
58	Explosive strength in female 11-on-11 versus 7-on-7 soccer players. <i>Sport Sciences for Health</i> , 2007, 2, 80-84.	0.4	5
59	Ultra-trail marathon induces bone response in association with acute and established metabolic changes. <i>Endocrine Abstracts</i> , 0, , .	0.0	0
60	Bone-specific circulating miRNA profile changes over an 8-week repeated sprint training protocol. <i>Endocrine Abstracts</i> , 0, , .	0.0	1