Gianluca Vernillo

List of Publications by Year
in descending order

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60 papers	1,281 citations	394421 19 h-index	395702 33 g-index
60 all docs	60 docs citations	60 times ranked	1586 citing authors

#	Article	IF	Citations
1	Biomechanics and Physiology of Uphill and Downhill Running. Sports Medicine, 2017, 47, 615-629.	6.5	162
2	Estimation of Maximal Oxygen Uptake via Submaximal Exercise Testing in Sports, Clinical, and Home Settings. Sports Medicine, 2013, 43, 865-873.	6.5	101
3	Fatigue associated with prolonged graded running. European Journal of Applied Physiology, 2016, 116, 1859-1873.	2.5	72
4	Defining Off-road Running: A Position Statement from the Ultra Sports Science Foundation. International Journal of Sports Medicine, 2020, 41, 275-284.	1.7	70
5	Energy cost and kinematics of level, uphill and downhill running: fatigue-induced changes after a mountain ultramarathon. Journal of Sports Sciences, 2015, 33, 1998-2005.	2.0	56
6	Influence of the worldâ€™s most challenging mountain ultra-marathon on energy cost and running mechanics. European Journal of Applied Physiology, 2014, 114, 929-939.	2.5	52
7	Concurrent Strength and Endurance Training Effects on Running Economy in Master Endurance Runners. Journal of Strength and Conditioning Research, 2013, 27, 2295-2303.	2.1	51
8	Mechanisms of Fatigue and Recovery in Upper versus Lower Limbs in Men. Medicine and Science in Sports and Exercise, 2018, 50, 334-343.	0.4	42
9	MiR-320a as a Potential Novel Circulating Biomarker of Arrhythmogenic CardioMyopathy. Scientific Reports, 2017, 7, 4802.	3.3	39
10	Joint kinematics and ground reaction forces in overground versus treadmill graded running. Gait and Posture, 2018, 63, 109-113.	1.4	39
11	Does the Running Economy Really Increase after Ultra-Marathons?. Frontiers in Physiology, 2017, 8, 783.	2.8	38
12	Changes in lung function during an extreme mountain ultramarathon. Scandinavian Journal of Medicine and Science in Sports, 2015, 25, e374-80.	2.9	31
13	An Extreme Mountain Ultra-Marathon Decreases the Cost of Uphill Walking and Running. Frontiers in Physiology, 2016, 7, 530.	2.8	31
14	Injury and Illness Rates During Ultratrail Running. International Journal of Sports Medicine, 2016, 37, 565-569.	1.7	30
15	Effects of repeated sprints training on fracture risk-associated miRNA. Oncotarget, 2018, 9, 18029-18040.	1.8	30
16	Bone turnover response is linked to both acute and established metabolic changes in ultra-marathon runners. Endocrine, 2017, 56, 196-204.	2.3	27
17	Effects of Ball Drills and Repeated-Sprint-Ability Training in Basketball Players. International Journal of Sports Physiology and Performance, 2019, 14, 757-764.	2.3	27
18	Uphill Racewalking at Iso-Efficiency Speed. Journal of Strength and Conditioning Research, 2013, 27, 1964-1973.	2.1	26

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19	Footstep Analysis at Different Slopes and Speeds in Elite Race Walking. Journal of Strength and Conditioning Research, 2013, 27, 125-129.	2.1	25
20	Biomechanics of graded running: Part IIâ€"Joint kinematics and kinetics. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 1642-1654.	2.9	23
21	The Yo-Yo Intermittent Recovery Test in Junior Basketball Players According to Performance Level and Age Group. Journal of Strength and Conditioning Research, 2012, 26, 2490-2494.	2.1	20
22	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
23	Validity of the SenseWear Armband to Assess Energy Expenditure in Graded Walking. Journal of Physical Activity and Health, 2015, 12, 178-183.	2.0	18
24	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. European Journal of Applied Physiology, 2016, 116, 129-144.	2.5	17
25	Biomechanics of graded running: Part I â€•Stride parameters, external forces, muscle activations. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 1632-1641.	2.9	16
26	Strength Asymmetry Between Front and Rear Leg in Elite Snowboard Athletes. Clinical Journal of Sport Medicine, 2016, 26, 83-85.	1.8	14
27	Effects of Ultratrail Running on Skeletal-Muscle Oxygenation Dynamics. International Journal of Sports Physiology and Performance, 2017, 12, 496-504.	2.3	14
28	Step length and grade effects on energy absorption and impact attenuation in running. European Journal of Sport Science, 2020, 20, 756-766.	2.7	14
29	Exercise Intensity and Pacing Strategy of a 5-km Indoor Race Walk During a World Record Attempt: A Case Study. Journal of Strength and Conditioning Research, 2011, 25, 2048-2052.	2.1	12
30	The Energetics during the World's Most Challenging Mountain Ultra-Marathonâ€"A Case Study at the Tor des GeantsÂ®. Frontiers in Physiology, 2017, 8, 1003.	2.8	12
31	An Observational Study on the Perceptive and Physiological Variables During a 10,000-m Race Walking Competition. Journal of Strength and Conditioning Research, 2012, 26, 2741-2747.	2.1	11
32	Sustained Maximal Voluntary Contractions Elicit Different Neurophysiological Responses in Upper- and Lower-Limb Muscles in Men. Neuroscience, 2019, 422, 88-98.	2.3	10
33	Is It Time to Consider a New Performance Classification for High-Level Male Marathon Runners?. Journal of Strength and Conditioning Research, 2011, 25, 3242-3247.	2.1	9
34	Evaluation of the SenseWear Mini Armband to Assess Energy Expenditure During Pole Walking. International Journal of Sport Nutrition and Exercise Metabolism, 2014, 24, 565-569.	2.1	9
35	Postexercise autonomic function after repeated-sprints training. European Journal of Applied Physiology, 2015, 115, 2445-2455.	2.5	9
36	Energetically optimal stride frequency is maintained with fatigue in trained ultramarathon runners. Journal of Science and Medicine in Sport, 2019, 22, 1054-1058.	1.3	8

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37	Use of transcranial magnetic stimulation to assess relaxation rates in unfatigued and fatigued knee-extensor muscles. Experimental Brain Research, 2021, 239, 205-216.	1.5	8
38	Neuromuscular, biomechanical, and energetic adjustments following repeated bouts of downhill running. Journal of Sport and Health Science, 2022, 11, 319-329.	6.5	8
39	Internal Tibial Forces and Moments During Graded Running. Journal of Biomechanical Engineering, 2022, 144, .	1.3	8
40	Changes in spatioâ€temporal gait parameters and vertical speed during an extreme mountain ultraâ€marathon. European Journal of Sport Science, 2020, 20, 1339-1345.	2.7	7
41	Changes in Muscle Architecture of Vastus Lateralis Muscle After an Alpine Snowboarding Race. Journal of Strength and Conditioning Research, 2017, 31, 254-259.	2.1	6
42	Commentaries on Viewpoint: Principles, insights, and potential pitfalls of the noninvasive determination of muscle oxidative capacity by near-infrared spectroscopy. Journal of Applied Physiology, 2018, 124, 249-255.	2.5	6
43	Physiological and Physical Profile of Snowboarding: A Preliminary Review. Frontiers in Physiology, 2018, 9, 770.	2.8	6
44	Postural Control Follows a Bi-Phasic Alteration Pattern During Mountain Ultra-Marathon. Frontiers in Physiology, 2019, 9, 1971.	2.8	6
45	Regular changes in foot strike pattern during prolonged downhill running do not influence neuromuscular, energetics, or biomechanical parameters. European Journal of Sport Science, 2020, 20, 495-504.	2.7	6
46	Explosive strength in female 11-on-11 versus 7-on-7 soccer players. Sport Sciences for Health, 2007, 2, 80-84.	1.3	5
47	Combined endurance and resistance circuit training in highly trained/top-level female race walkers: a case report. Sport Sciences for Health, 2008, 4, 51-58.	1.3	5
48	Do aerobic characteristics explain isometric exercise-induced neuromuscular fatigue and recovery in upper and lower limbs?. Journal of Sports Sciences, 2019, 37, 387-395.	2.0	5
49	Effect of repeated-sprints on the reliability of short-term parasympathetic reactivation. PLoS ONE, 2018, 13, e0192231.	2.5	5
50	Spinal contribution to neuromuscular recovery differs between elbow-flexor and knee-extensor muscles after a maximal sustained fatiguing task. Journal of Neurophysiology, 2020, 124, 763-773.	1.8	4
51	Physiological characteristics of elite snowboarders. Journal of Sports Medicine and Physical Fitness, 2016, 56, 527-33.	0.7	4
52	Validity of the SenseWear Armband to Assess Energy Expenditure in Graded Walking. Journal of Physical Activity and Health, 2015, 12, 178-183.	2.0	2
53	Reliability of relaxation properties of knee-extensor muscles induced by transcranial magnetic stimulation. Neuroscience Letters, 2022, 782, 136694.	2.1	2
54	Plasminogen activator inhibitor-1 as a marker of cardiovascular response in professional mountain ultra-marathon runners. Clinical Chemistry and Laboratory Medicine, 2017, 55, e7-e9.	2.3	1

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55	Editorial: Recent Evolutions and Perspectives in Olympic Winter Sports Performance: To PyeongChang and Beyondâ€¦. Frontiers in Physiology, 2019, 10, 481.	2.8	1
56	Bone-specific circulating miRNA profile changes over an 8-week repeated sprint training protocol. Endocrine Abstracts, 0, , .	0.0	1
57	The repeated bout effect influences lowerâ€extremity biomechanics during a 30â€min downhill run. European Journal of Sport Science, 2023, 23, 510-519.	2.7	1
58	Epigenetics in Cardiac Health and Disease225miR-218 and mi-R34a drive persistent myocardial oxidative stress by targeting chromatin remodelers DNMT3b and SIRT1: new mechanistic insights in diabetic cardiomyopathy226Effects of miRNAs modulated by endurance training on cardiomyocyte excitability227Differential transcriptome and microRNA expression signatures in the healthy heart (RV) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.8	0
59	2016, 111, S43-S43. Ultra-trail marathon induces bone response in association with acute and established metabolic changes. Endocrine Abstracts, 0, , .	0.0	0
60	Effect of a Fatiguing Ultratrail on the Graded Energetically Optimal Stride Frequency. International Journal of Sports Physiology and Performance, 2020, 15, 1340-1343.	2.3	0