

Mauro Marzorati

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

1,439
citations

361045

20
h-index

344852

36
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79
all docs

79
docs citations

79
times ranked

1819
citing authors

#	ARTICLE	IF	CITATIONS
1	Aerobic Fitness Affects the Exercise Performance Responses to Nitrate Supplementation. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 1643-1651.	0.2	134
2	Impaired oxygen extraction in metabolic myopathies: Detection and quantification by near-infrared spectroscopy. <i>Muscle and Nerve</i> , 2007, 35, 510-520.	1.0	96
3	Exercise after heart transplantation. <i>European Journal of Applied Physiology</i> , 2003, 90, 250-259.	1.2	85
4	Effects of Combined Physical and Cognitive Virtual Reality-Based Training on Cognitive Impairment and Oxidative Stress in MCI Patients: A Pilot Study. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 282.	1.7	84
5	Peak blood lactate and blood lactate vs. workload during acclimatization to 5,050 m and in deacclimatization. <i>Journal of Applied Physiology</i> , 1996, 80, 685-692.	1.2	61
6	Role of skeletal muscles impairment and brain oxygenation in limiting oxidative metabolism during exercise after bed rest. <i>Journal of Applied Physiology</i> , 2010, 109, 101-111.	1.2	61
7	Time-Course Changes of Oxidative Stress Response to High-Intensity Discontinuous Training versus Moderate-Intensity Continuous Training in Masters Runners. <i>PLoS ONE</i> , 2014, 9, e87506.	1.1	56
8	Second generation Tibetan lowlanders acclimatize to high altitude more quickly than Caucasians. <i>Journal of Physiology</i> , 2004, 556, 661-671.	1.3	53
9	Metabolic Myopathies. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 2120-2127.	0.2	49
10	Home-based aerobic exercise training improves skeletal muscle oxidative metabolism in patients with metabolic myopathies. <i>Journal of Applied Physiology</i> , 2016, 121, 699-708.	1.2	47
11	Effects of a Short-Term High-Nitrate Diet on Exercise Performance. <i>Nutrients</i> , 2016, 8, 534.	1.7	46
12	Comparison between Slow Components of HR and $\dot{V}\dot{E}^{\text{TM}}\text{O}_2$ Kinetics: Functional Significance. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 1649-1657.	0.2	44
13	Economy of locomotion in high-altitude Tibetan migrants exposed to normoxia. <i>Journal of Physiology</i> , 2005, 569, 667-675.	1.3	38
14	Functional impairment of skeletal muscle oxidative metabolism during knee extension exercise after bed rest. <i>Journal of Applied Physiology</i> , 2011, 111, 1719-1726.	1.2	35
15	Work Capacity of Permanent Residents of High Altitude. <i>High Altitude Medicine and Biology</i> , 2006, 7, 105-115.	0.5	32
16	Age-related heart rate response to exercise in heart transplant recipients. Functional significance. <i>Pflügers Archiv European Journal of Physiology</i> , 2002, 443, 698-706.	1.3	30
17	Maximal rate of blood lactate accumulation during exercise at altitude in humans. <i>Journal of Applied Physiology</i> , 1995, 79, 331-339.	1.2	28
18	Fast reduction of peripheral blood endothelial progenitor cells in healthy humans exposed to acute systemic hypoxia. <i>Journal of Physiology</i> , 2012, 590, 519-532.	1.3	23

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19	Muscle Bioenergetics and Metabolic Control at Altitude. <i>High Altitude Medicine and Biology</i> , 2009, 10, 165-174.	0.5	22
20	Effects of acute and sub-acute hypobaric hypoxia on oxidative stress: a field study in the Alps. <i>European Journal of Applied Physiology</i> , 2021, 121, 297-306.	1.2	22
21	Peripheral impairments of oxidative metabolism after a 10-day bed rest are upstream of mitochondrial respiration. <i>Journal of Physiology</i> , 2021, 599, 4813-4829.	1.3	22
22	The "second wind" in McArdle's disease patients during a second bout of constant work rate submaximal exercise. <i>Journal of Applied Physiology</i> , 2014, 116, 1230-1237.	1.2	20
23	Lack of acclimatization to chronic hypoxia in humans in the Antarctica. <i>Scientific Reports</i> , 2017, 7, 18090.	1.6	20
24	Triggered intravoxel incoherent motion MRI for the assessment of calf muscle perfusion during isometric intermittent exercise. <i>NMR in Biomedicine</i> , 2018, 31, e3922.	1.6	20
25	Effects of Manipulating Volume and Intensity Training in Masters Swimmers. <i>International Journal of Sports Physiology and Performance</i> , 2015, 10, 907-912.	1.1	19
26	Translational Medicine: Exercise Physiology Applied to Metabolic Myopathies. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 2183-2192.	0.2	19
27	Determinants of performance in 1,500-m runners. <i>European Journal of Applied Physiology</i> , 2012, 112, 3033-3043.	1.2	17
28	Lack of functional effects of neuromuscular electrical stimulation on skeletal muscle oxidative metabolism in healthy humans. <i>Journal of Applied Physiology</i> , 2012, 113, 1101-1109.	1.2	16
29	Commentaries on Viewpoint: Can elite athletes benefit from dietary nitrate supplementation?. <i>Journal of Applied Physiology</i> , 2015, 119, 762-769.	1.2	15
30	Exercise training alone or in combination with high-protein diet in patients with late onset Pompe disease: results of a cross over study. <i>Orphanet Journal of Rare Diseases</i> , 2020, 15, 143.	1.2	15
31	Metabolic and cardiorespiratory responses to maximal intermittent knee isokinetic exercise in young healthy humans. <i>European Journal of Applied Physiology</i> , 2000, 81, 275-280.	1.2	14
32	Insights into central and peripheral factors affecting the "oxidative performance" of skeletal muscle in aging. <i>European Journal of Applied Physiology</i> , 2007, 100, 571-579.	1.2	14
33	Exercise testing in late-onset glycogen storage disease type II patients undergoing enzyme replacement therapy. <i>Neuromuscular Disorders</i> , 2012, 22, S230-S234.	0.3	14
34	Power and peak blood lactate at 5050 m with 10 and 30 s "all out" cycling. <i>Acta Physiologica Scandinavica</i> , 2001, 172, 189-194.	2.3	11
35	Improved Exercise Tolerance after Enzyme Replacement Therapy in Pompe Disease. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 771-775.	0.2	11
36	Reduced exercise capacity in early-stage amyotrophic lateral sclerosis: Role of skeletal muscle. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2012, 13, 87-94.	2.3	11

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37	Ergogenic effects of beetroot juice supplementation during severe-intensity exercise in obese adolescents. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R453-R460.	0.9	11
38	Effect of adipose tissue thickness and tissue optical properties on the differential pathlength factor estimation for NIRS studies on human skeletal muscle. <i>Biomedical Optics Express</i> , 2021, 12, 571.	1.5	11
39	Impairment of Skeletal Muscle Oxidative Metabolism During Knee-Extension Exercise after Bed Rest. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 513.	0.2	10
40	Exercise intolerance in patients with mitochondrial myopathies: perfusive and diffusive limitations in the O ₂ pathway. <i>Current Opinion in Physiology</i> , 2019, 10, 202-209.	0.9	9
41	Whole-body kinematics during a simulated sprint in flat-water kayakers. <i>European Journal of Sport Science</i> , 2022, 22, 817-825.	1.4	9
42	Effects of Prolonged Exposure to Hypobaric Hypoxia on Oxidative Stress: Overwintering in Antarctic Concordia Station. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-14.	1.9	9
43	Match running performance and physical capacity profiles of U8 and U10 soccer players. <i>Sport Sciences for Health</i> , 2017, 13, 273-280.	0.4	8
44	Different Training Modalities Improve Energy Cost and Performance in Master Runners. <i>Frontiers in Physiology</i> , 2018, 9, 21.	1.3	7
45	Dancing With Parkinson's Disease: The SI-ROBOTICS Study Protocol. <i>Frontiers in Public Health</i> , 2021, 9, 780098.	1.3	7
46	Comments on Point:Counterpoint: "The lactate paradox does/does not occur during exercise at high altitude". <i>Journal of Applied Physiology</i> , 2007, 102, 2403-2405.	1.2	6
47	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
48	Changes in prefrontal cerebral oxygenation and microvascular blood volume in hypoxia and possible association with acute mountain sickness. <i>Experimental Physiology</i> , 2021, 106, 76-85.	0.9	6
49	Beet on Alps: Time-course changes of plasma nitrate and nitrite concentrations during acclimatization to high-altitude. <i>Nitric Oxide - Biology and Chemistry</i> , 2021, 107, 66-72.	1.2	6
50	A Virtual Reality-Based Physical and Cognitive Training System Aimed at Preventing Symptoms of Dementia. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018, , 117-125.	0.2	5
51	Cardiac denervation does/does not play a major role in exercise limitation after heart transplantation. <i>Journal of Applied Physiology</i> , 2008, 104, 565-567.	1.2	3
52	An ecological evaluation of the metabolic benefits due to robot-assisted gait training. , 2015, 2015, 3590-3.		3
53	New On-Water Test for the Assessment of Blood Lactate Response to Exercise in Elite Kayakers. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 2595-2602.	0.2	3
54	The Impact of a Precision-Based Exercise Intervention in Childhood Hematological Malignancies Evaluated by an Adapted Yo-Yo Intermittent Recovery Test. <i>Cancers</i> , 2022, 14, 1187.	1.7	3

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55	Decrease in work rate in order to keep a constant heart rate: biomarker of exercise intolerance following a 10-day bed rest. <i>Journal of Applied Physiology</i> , 2022, 132, 1569-1579.	1.2	3
56	Editorial: Strategies to Fight Exercise Intolerance in Neuromuscular Disorders. <i>Frontiers in Physiology</i> , 2020, 11, 968.	1.3	2
57	Effects Of 10-days Bed-rest On Nitric Oxide Metabolites And Microvascular Function Assessed By Near-infrared Spectroscopy. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 781-781.	0.2	2
58	Metabolic Myopathies: "Human Knockout" Models and Translational Medicine. <i>Frontiers in Physiology</i> , 2020, 11, 350.	1.3	1
59	Functional assessment of long bone fracture healing in Samburu County Referral Hospital (Kenya): the squat and smile challenge. <i>OTA International the Open Access Journal of Orthopaedic Trauma</i> , 2021, 4, e148.	0.4	1
60	Supporting Physical and Cognitive Training for Preventing the Occurrence of Dementia Using an Integrated System: A Pilot Study. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2017, , 367-374.	0.2	1
61	Preliminary vastus lateralis characterization with time domain near infrared spectroscopy during incremental cycle exercise. , 2019, , .		1
62	The Impairment Of Oxidative Metabolism After 10-day Of Bed Rest Is Upstream Of Skeletal-Muscle Mitochondria. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 154-154.	0.2	1
63	The "second Wind" Phenomenon In Mcardle Patients During A Second Bout Of Submaximal Constant-load Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 760-761.	0.2	0
64	Evaluation Of Skeletal Muscle Oxidative Metabolism In Alzheimer's Disease. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 633.	0.2	0
65	"BEet On Alps". <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 849-850.	0.2	0
66	"BEet On Alps". <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 240.	0.2	0
67	Comparison Between The Slow Components Of HR Kinetics And Of $\dot{V}O_2$ Kinetics. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 198.	0.2	0
68	Work Rate Decrease At A Fixed Heart Rate To Evaluate Exercise Tolerance In Microgravity. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 104-104.	0.2	0
69	Short-term Bed Rest Exposure Impairs Peripheral Vascular And Endothelial Functions Whereas Mitochondrial Respiration Is Unaffected. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 103-103.	0.2	0
70	Near-infrared Spectroscopy In The Evaluation Of O ₂ Extraction In Patients With Metabolic Myopathies. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S228.	0.2	0
71	Maximal Exercise In Altitude Native Balti. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, S458.	0.2	0
72	Effects Of Strength Training By Electrostimulation On Skeletal Muscle Oxidative Metabolism. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, S408.	0.2	0

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73	Cardiovascular And Metabolic Responses To Upper-Body Exercise In Elite Grinders. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, 211.	0.2	0
74	Sodium Nitrate Effects On Muscle Blood Flow And Oxidative Metabolism During Forearm Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1032.	0.2	0
75	Altitude Training and Endurance and Ultra-Endurance Performance. <i>Muscles, Ligaments and Tendons Journal</i> , 2020, 10, 269.	0.1	0
76	Adipose tissue thickness and optical properties affect differential pathlength factor in NIRS studies on human skeletal muscle. , 2021, , .		0
77	Exercise after heart transplantation. <i>European Journal of Applied Physiology</i> , 2003, -1, 1-1.	1.2	0