

Antonio Crisafulli

List of Publications by Year in descending order

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Version: 2024-02-01

116
papers

2,417
citations

230014

27
h-index

286692

43
g-index

118
all docs

118
docs citations

118
times ranked

2607
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical activity/inactivity and COVID-19. <i>European Journal of Preventive Cardiology</i> , 2022, 28, e24-e26.	0.8	33
2	Ischemic preconditioning of the muscle reduces the metaboreflex response of the knee extensors. <i>European Journal of Applied Physiology</i> , 2022, 122, 141-155.	1.2	9
3	Need for resuming sports and physical activity for children and adolescents following COVID-19 infection. <i>Sport Sciences for Health</i> , 2022, 18, 1179-1185.	0.4	8
4	Systolic and diastolic function during cycling at the respiratory threshold between elderly and young healthy individuals. <i>Scientific Reports</i> , 2022, 12, 3825.	1.6	0
5	Lesson from the Pandemic: People should Always Stay Physically Active. <i>Current Cardiology Reviews</i> , 2022, 18, .	0.6	0
6	Editorial: Post-Exercise Hypotension: Clinical Applications and Potential Mechanisms. <i>Frontiers in Physiology</i> , 2022, 13, 899497.	1.3	3
7	Acute Exercise with Moderate Hypoxia Reduces Arterial Oxygen Saturation and Cerebral Oxygenation without Affecting Hemodynamics in Physically Active Males. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4558.	1.2	5
8	Executive Functions and Mood States in Athletes Performing Exercise Under Hypoxia. <i>Frontiers in Psychology</i> , 2022, 13, .	1.1	1
9	Blood Pressure Response to Muscle Metaboreflex Activation is Impaired in Men Living with HIV. <i>International Journal of Sports Medicine</i> , 2021, 42, 246-252.	0.8	3
10	Systolic and Diastolic Functions After a Brief Acute Bout of Mild Exercise in Normobaric Hypoxia. <i>Frontiers in Physiology</i> , 2021, 12, 650696.	1.3	3
11	Combined mental task and metaboreflex impair cerebral oxygenation in patients with type 2 diabetes mellitus. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R488-R499.	0.9	3
12	Active elderly and healthâ€”can moderate exercise improve health and wellbeing in older adults? Protocol for a randomized controlled trial. <i>Trials</i> , 2021, 22, 331.	0.7	26
13	Muscle metaboreflex adaptations to exercise training in health and disease. <i>European Journal of Applied Physiology</i> , 2021, 121, 2943-2955.	1.2	11
14	Ethnic Differences on Cardiac Rhythms and Autonomic Nervous System Responses During a High-Altitude Trek: A Pilot Study Comparing Italian Trekkers to Nepalese Porters. <i>Frontiers in Physiology</i> , 2021, 12, 709451.	1.3	4
15	Case study: physical capacity and nutritional status before and after climbing two peaks with different altitude (4897-6812 m). <i>Journal of Sports Medicine and Physical Fitness</i> , 2021, 61, 1309-1313.	0.4	0
16	Body composition changes during the lockdown-restart transition due to the SARS-CoV-2 pandemic in a group of professional football players. <i>Journal of Sports Medicine and Physical Fitness</i> , 2021, , .	0.4	1
17	Factors Predisposing to Hypertension in Subjects Formerly Born Preterm: Renal Impairment, Arterial Stiffness, Endothelial Dysfunction or Something Else?. <i>Current Hypertension Reviews</i> , 2020, 16, 82-90.	0.5	8
18	Supervised aquatic-based exercise for men with coronary artery disease: a meta-analysis of randomised controlled trials. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 2387-2392.	0.8	7

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19	Mechanisms Involved in Cardioprotection Induced by Physical Exercise. Antioxidants and Redox Signaling, 2020, 32, 1115-1134.	2.5	29
20	A brief bout of exercise in hypoxia reduces ventricular filling rate and stroke volume response during muscle metaboreflex activation. European Journal of Applied Physiology, 2020, 120, 2115-2126.	1.2	3
21	Muscle Oxygen Delivery in the Forearm and in the Vastus Lateralis Muscles in Response to Resistance Exercise: A Comparison Between Nepalese Porters and Italian Trekkers. Frontiers in Physiology, 2020, 11, 607616.	1.3	4
22	Ischemiaâ€“Reperfusion Intervention: From Enhancements in Exercise Performance to Accelerated Performance Recoveryâ€“A Systematic Review and Meta-Analysis. International Journal of Environmental Research and Public Health, 2020, 17, 8161.	1.2	7
23	Affective Variables and Cognitive Performances During Exercise in a Group of Adults With Type 2 Diabetes Mellitus. Frontiers in Psychology, 2020, 11, 611558.	1.1	1
24	Effect of Combined Mental Task and Metaboreflex Activation on Hemodynamics and Cerebral Oxygenation in Patients With Metabolic Syndrome. Frontiers in Physiology, 2020, 11, 397.	1.3	5
25	The COVID-19 Pandemic: A Challenge for the Cardiovascular Health. Current Cardiology Reviews, 2020, 16, vi-xi.	0.6	2
26	Editorial: Cardiovascular Adjustments and Adaptations to Exercise: From the Athlete to the Patient. Frontiers in Physiology, 2020, 11, 187.	1.3	0
27	Lower Percentage of Fat Mass among Tai Chi Chuan Practitioners. International Journal of Environmental Research and Public Health, 2020, 17, 1232.	1.2	14
28	Exercise intolerance and fatigue in chronic heart failure: is there a role for group III/IV afferent feedback?. European Journal of Preventive Cardiology, 2020, 27, 1862-1872.	0.8	15
29	Letter about the recent paper by Lam et al. Experimental Physiology, 2020, 105, 916-916.	0.9	0
30	Diabetic Cardiomyopathy and Ischemic Heart Disease: Prevention and Therapy by Exercise and Conditioning. International Journal of Molecular Sciences, 2020, 21, 2896.	1.8	38
31	Gender Differences in Hemodynamic Regulation and Cardiovascular Adaptations to Dynamic Exercise. Current Cardiology Reviews, 2020, 16, 65-72.	0.6	22
32	No effect of antiâ€“hypertensive treatment during the metaboreflex in patients with essential hypertension. FASEB Journal, 2020, 34, 1-1.	0.2	0
33	Effects of Metabolic Syndrome on Cognitive Performance of Adults During Exercise. Frontiers in Psychology, 2019, 10, 1845.	1.1	34
34	Infective endocarditis triangle.. Is it the time to revisit infective endocarditis susceptibility and indications for its antibiotic prophylaxis?. European Journal of Preventive Cardiology, 2019, 26, 1771-1774.	0.8	12
35	Effects of exercise in normobaric hypoxia on hemodynamics during muscle metaboreflex activation in normoxia. European Journal of Applied Physiology, 2019, 119, 1137-1148.	1.2	10
36	Hemodynamic abnormalities during muscle metaboreflex activation in patients with type 2 diabetes mellitus. Journal of Applied Physiology, 2019, 126, 444-453.	1.2	11

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37	Fatigue, as measured using the Modified Fatigue Impact Scale, is a predictor of processing speed improvement induced by exercise in patients with multiple sclerosis: data from a randomized controlled trial. <i>Journal of Neurology</i> , 2018, 265, 1328-1333.	1.8	15
38	Quantitative assessment of the effects of 6 months of adapted physical activity on gait in people with multiple sclerosis: a randomized controlled trial. <i>Disability and Rehabilitation</i> , 2018, 40, 144-151.	0.9	21
39	Cardiorespiratory responses and myocardial function within incremental exercise in healthy unmedicated older vs. young men and women. <i>Aging Clinical and Experimental Research</i> , 2018, 30, 341-349.	1.4	10
40	Occurrence of cardiac output decrease (via stroke volume) is more pronounced in women than in men during prolonged dry static apnea. <i>Journal of Applied Physiology</i> , 2018, 124, 349-355.	1.2	8
41	Metaboreflex-mediated hemodynamic abnormalities in individuals with coronary artery disease without overt signs or symptoms of heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H452-H463.	1.5	16
42	Blood Flow Restriction Training Reduces Blood Pressure During Exercise Without Affecting Metaboreflex Activity. <i>Frontiers in Physiology</i> , 2018, 9, 1736.	1.3	14
43	Impaired Endothelial Function in Hereditary Angioedema During the Symptom-Free Period. <i>Frontiers in Physiology</i> , 2018, 9, 523.	1.3	8
44	Cerebral oxygenation in Metabolic Syndrome patients during mental task and muscle metaboreflex activation. <i>FASEB Journal</i> , 2018, 32, 588.22.	0.2	0
45	Muscle metaboreflex activity after an acute session of exercise under hypoxia. <i>FASEB Journal</i> , 2018, 32, 909.10.	0.2	0
46	Hemodynamic response to muscle reflex is abnormal in patients with heart failure with preserved ejection fraction. <i>Journal of Applied Physiology</i> , 2017, 122, 376-385.	1.2	27
47	Commentaries on Viewpoint: Could small-diameter muscle afferents be responsible for the ergogenic effect of limb ischemic preconditioning?. <i>Journal of Applied Physiology</i> , 2017, 122, 721-725.	1.2	5
48	Hemodynamic Responses during Enduro-Motorcycling Performance. <i>Frontiers in Physiology</i> , 2017, 8, 1062.	1.3	12
49	Physical Capacity and Energy Expenditure of Cavers. <i>Frontiers in Physiology</i> , 2017, 8, 1067.	1.3	7
50	Consequences of Type 1 and 2 Diabetes Mellitus on the Cardiovascular Regulation During Exercise: A Brief Review. <i>Current Diabetes Reviews</i> , 2017, 13, 560-565.	0.6	17
51	Energy expenditure in caving. <i>PLoS ONE</i> , 2017, 12, e0170853.	1.1	14
52	A Mechatronic Pneumatic Device to Improve Diastolic Function by Intermittent Action on Lower Limbs. <i>International Journal of Automation Technology</i> , 2017, 11, 501-508.	0.5	6
53	The Impact of Cardiovascular Diseases on Cardiovascular Regulation During Exercise in Humans: Studies on Metaboreflex Activation Elicited by the Post-exercise Muscle Ischemia Method. <i>Current Cardiology Reviews</i> , 2017, 13, 293-300.	0.6	25
54	A 12-Week Vigorous Exercise Protocol in a Healthy Group of Persons over 65: Study of Physical Function by means of the Senior Fitness Test. <i>BioMed Research International</i> , 2016, 2016, 1-6.	0.9	16

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55	Effects of Six Months Training on Physical Capacity and Metaboreflex Activity in Patients with Multiple Sclerosis. <i>Frontiers in Physiology</i> , 2016, 7, 531.	1.3	10
56	The Required Coefficient of Friction for evaluating gait alterations in people with Multiple Sclerosis during gait. <i>Multiple Sclerosis and Related Disorders</i> , 2016, 10, 174-178.	0.9	6
57	Cardio-metabolic responses during horse riding at three different speeds. <i>European Journal of Applied Physiology</i> , 2016, 116, 1985-1992.	1.2	7
58	Diving response after a one-week diet and overnight fasting. <i>Journal of the International Society of Sports Nutrition</i> , 2016, 13, 23.	1.7	5
59	Ischemic preconditioning reduces hemodynamic response during metaboreflex activation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R777-R787.	0.9	24
60	Comparison Between Impedance Cardiography And Echocardiography During Metaboreflex Activation In Heart Failure. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 261.	0.2	1
61	Mean Blood Pressure Assessment during Post-Exercise: Result from Two Different Methods of Calculation. <i>Journal of Sports Science and Medicine</i> , 2016, 15, 424-433.	0.7	23
62	Metaboreflex activity in multiple sclerosis patients. <i>European Journal of Applied Physiology</i> , 2015, 115, 2481-2490.	1.2	9
63	Effects of Physical Exercise on Cardiovascular Diseases: Biochemical, Cellular, and Organ Effects. <i>BioMed Research International</i> , 2015, 2015, 1-2.	0.9	4
64	Cardiovascular Reflexes Activity and Their Interaction during Exercise. <i>BioMed Research International</i> , 2015, 2015, 1-10.	0.9	29
65	Effect of aging on hemodynamic response to metaboreflex activation. <i>European Journal of Applied Physiology</i> , 2015, 115, 1693-1703.	1.2	33
66	Differences in hemodynamic response to metaboreflex activation between obese patients with metabolic syndrome and healthy subjects with obese phenotype. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H779-H789.	1.5	25
67	Body composition changes affect energy cost of running during 12 months of specific diet and training in amateur athletes. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015, 40, 938-944.	0.9	17
68	Preconditioning cardioprotection and exercise performance: a radical point of view. <i>Sport Sciences for Health</i> , 2015, 11, 137-151.	0.4	6
69	Gender differences in cardiovascular functions during exercise: a brief review. <i>Sport Sciences for Health</i> , 2015, 11, 235-241.	0.4	11
70	Nervous Facilitation in Cardiodynamic Response of Exercising Athletes to Superimposed Mental Tasks: Implications in Depressive Disorder. <i>Clinical Practice and Epidemiology in Mental Health</i> , 2015, 11, 166-173.	0.6	7
71	Heart Rate Unreliability during Interval Training Recovery in Middle Distance Runners. <i>Journal of Sports Science and Medicine</i> , 2015, 14, 466-72.	0.7	5
72	Effect of Beetroot Juice Supplementation on Aerobic Response during Swimming. <i>Nutrients</i> , 2014, 6, 605-615.	1.7	45

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73	Neural Regulation of Cardiovascular Response to Exercise: Role of Central Command and Peripheral Afferents. <i>BioMed Research International</i> , 2014, 2014, 1-20.	0.9	144
74	Improvement in Hemodynamic Responses to Metaboreflex Activation after One Year of Training in Spinal Cord Injured Humans. <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	18
75	Physiological responses and energy expenditure during competitive fencing. <i>Applied Physiology, Nutrition and Metabolism</i> , 2014, 39, 324-328.	0.9	17
76	Pathophysiology of human heart failure: importance of skeletal muscle myopathy and reflexes. <i>Experimental Physiology</i> , 2014, 99, 609-615.	0.9	56
77	Cardioprotection Acquired Through Exercise: The Role of Ischemic Preconditioning. <i>Current Cardiology Reviews</i> , 2014, 10, 336-348.	0.6	74
78	Daily assessment of arterial distensibility in a pediatric population before and after smoking cessation. <i>Clinics</i> , 2014, 69, 219-224.	0.6	5
79	In response to the comments by Fernandes et al.. <i>Journal of Physiological Sciences</i> , 2013, 63, 317-318.	0.9	0
80	Evaluation of reliability of field tests to predict performance during Ironman Triathlon. <i>Sport Sciences for Health</i> , 2013, 9, 65-71.	0.4	3
81	Indexes of physical capacity and repeated sprint ability of young soccer players. <i>Sport Sciences for Health</i> , 2013, 9, 1-6.	0.4	6
82	Assessment of circulatory adjustments during underwater apnoea in elite divers by means of a portable device. <i>Acta Physiologica</i> , 2013, 207, 290-298.	1.8	17
83	Effects of acute vasodilation on the hemodynamic response to muscle metaboreflex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H1387-H1396.	1.5	28
84	Assessment of the specificity of cardiopulmonary response during tethered swimming using a new snorkel device. <i>Journal of Physiological Sciences</i> , 2013, 63, 7-16.	0.9	17
85	Progressive improvement in hemodynamic response to muscle metaboreflex in heart transplant recipients. <i>Journal of Applied Physiology</i> , 2013, 114, 421-427.	1.2	28
86	Physiological responses and match analysis of Muay Thai fighting. <i>International Journal of Performance Analysis in Sport</i> , 2012, 12, 507-516.	0.5	18
87	Aerobic and anaerobic capacity of adult and young professional soccer players. <i>Sport Sciences for Health</i> , 2012, 8, 95-100.	0.4	7
88	An Inflatable Pneumatic System for Blood Pressure Recovery. <i>Mechanics Based Design of Structures and Machines</i> , 2012, 40, 506-518.	3.4	5
89	Altered hemodynamics during muscle metaboreflex in young type 1 diabetes patients. <i>Journal of Applied Physiology</i> , 2012, 113, 1323-1331.	1.2	33
90	Cardiovascular adjustments in breath-hold diving: comparison between divers and non-divers in simulated dynamic apnoea. <i>European Journal of Applied Physiology</i> , 2012, 112, 543-554.	1.2	32

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91	Cardiovascular phenotype in extremely low birth weight infants: long-term consequences. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2011, 24, 3-5.	0.7	6
92	Role of heart rate and stroke volume during muscle metaboreflex-induced cardiac output increase: differences between activation during and after exercise. <i>Journal of Physiological Sciences</i> , 2011, 61, 385-94.	0.9	62
93	Ischemic preconditioning of the muscle improves maximal exercise performance but not maximal oxygen uptake in humans. <i>Journal of Applied Physiology</i> , 2011, 111, 530-536.	1.2	126
94	Hemodynamic responses to metaboreflex activation: insights from spinal cord-injured humans. <i>European Journal of Applied Physiology</i> , 2009, 106, 525-533.	1.2	37
95	Omega 3 has a beneficial effect on ischemia/reperfusion injury, but cannot reverse the effect of stressful forced exercise. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2009, 19, 20-26.	1.1	17
96	Physiological responses and energy cost during a simulation of a Muay Thai boxing match. <i>Applied Physiology, Nutrition and Metabolism</i> , 2009, 34, 143-150.	0.9	68
97	Haemodynamic effect of metaboreflex activation in men after running above and below the velocity of the anaerobic threshold. <i>Experimental Physiology</i> , 2008, 93, 447-457.	0.9	41
98	Cardiovascular and ventilatory control during exercise in chronic heart failure: Role of muscle reflexes. <i>International Journal of Cardiology</i> , 2008, 130, 3-10.	0.8	73
99	Impaired central hemodynamic response and exaggerated vasoconstriction during muscle metaboreflex activation in heart failure patients. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H2988-H2996.	1.5	99
100	Estimating stroke volume from oxygen pulse during exercise. <i>Physiological Measurement</i> , 2007, 28, 1201-1212.	1.2	58
101	Quantification of spinning® bike performance during a standard 50-minute class. <i>Journal of Sports Sciences</i> , 2007, 25, 421-429.	1.0	41
102	Delayed preconditioning-mimetic actions of exercise or nitroglycerin do not affect haemodynamics and exercise performance in trained or sedentary individuals. <i>Journal of Sports Sciences</i> , 2007, 25, 1393-1401.	1.0	11
103	Exercise capacity and cardiovascular changes in patients with β -thalassaemia major. <i>Clinical Physiology and Functional Imaging</i> , 2006, 26, 319-322.	0.5	6
104	Detection of lactate threshold by including haemodynamic and oxygen extraction data. <i>Physiological Measurement</i> , 2006, 27, 85-97.	1.2	17
105	Modulation of cardiac contractility by muscle metaboreflex following efforts of different intensities in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H3035-H3042.	1.5	70
106	Exercise and Ischemic Preconditioning. <i>Current Cardiology Reviews</i> , 2006, 2, 153-162.	0.6	5
107	Effect of differences in post-exercise lactate accumulation in athletes' haemodynamics. <i>Applied Physiology, Nutrition and Metabolism</i> , 2006, 31, 423-431.	0.9	31
108	Anaerobic threshold and the oxygen consumption-cardiac output relationship during exercise. <i>Sport Sciences for Health</i> , 2005, 1, 75-80.	0.4	12

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109	Exercise-induced and nitroglycerin-induced myocardial preconditioning improves hemodynamics in patients with angina. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H235-H242.	1.5	47
110	Haemodynamic responses following intermittent supramaximal exercise in athletes. <i>Experimental Physiology</i> , 2004, 89, 665-674.	0.9	29
111	Responsiveness of human natural killer cells during acute, incremental exercise up to exhaustion. <i>Sport Sciences for Health</i> , 2004, 1, 36-40.	0.4	4
112	Hemodynamics during active and passive recovery from a single bout of supramaximal exercise. <i>European Journal of Applied Physiology</i> , 2003, 89, 209-216.	1.2	50
113	Does reduction of blood prolactin levels reveal the activation of central dopaminergic pathways conveying reward in top athletes?. <i>Medical Hypotheses</i> , 2003, 61, 133-135.	0.8	4
114	Muscle Metaboreflex-Induced Increases in Stroke Volume. <i>Medicine and Science in Sports and Exercise</i> , 2003, 35, 221-228.	0.2	108
115	Haemodynamics during a complete exercise induced atrioventricular block. <i>British Journal of Sports Medicine</i> , 2002, 36, 69-70.	3.1	13
116	Hemodynamic during a postexertional asystolia in a healthy athlete: a case study. <i>Medicine and Science in Sports and Exercise</i> , 2000, 32, 4.	0.2	52