

Antonio Crisafulli

List of Publications by Year in descending order

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Version: 2024-02-01

116
papers

2,417
citations

201575

27
h-index

254106

43
g-index

118
all docs

118
docs citations

118
times ranked

2423
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Muscle Metaboreflex-Induced Increases in Stroke Volume. <i>Medicine and Science in Sports and Exercise</i> , 2003, 35, 221-228.	0.2	108
4	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
5	Cardioprotection Acquired Through Exercise: The Role of Ischemic Preconditioning. <i>Current Cardiology Reviews</i> , 2014, 10, 336-348.	0.6	74
6	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
7	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
8	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
9	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
10	Estimating stroke volume from oxygen pulse during exercise. <i>Physiological Measurement</i> , 2007, 28, 1201-1212.	1.2	58
11	Pathophysiology of human heart failure: importance of skeletal muscle myopathy and reflexes. <i>Experimental Physiology</i> , 2014, 99, 609-615.	0.9	56
12	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
13	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
14	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
15	Effect of Beetroot Juice Supplementation on Aerobic Response during Swimming. <i>Nutrients</i> , 2014, 6, 605-615.	1.7	45
16	Quantification of spinning® bike performance during a standard 50-minute class. <i>Journal of Sports Sciences</i> , 2007, 25, 421-429.	1.0	41
17	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
18	Diabetic Cardiomyopathy and Ischemic Heart Disease: Prevention and Therapy by Exercise and Conditioning. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2896.	1.8	38

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19	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
20	Effects of Metabolic Syndrome on Cognitive Performance of Adults During Exercise. <i>Frontiers in Psychology</i> , 2019, 10, 1845.	1.1	34
21	Altered hemodynamics during muscle metaboreflex in young type 1 diabetes patients. <i>Journal of Applied Physiology</i> , 2012, 113, 1323-1331.	1.2	33
22	Effect of aging on hemodynamic response to metaboreflex activation. <i>European Journal of Applied Physiology</i> , 2015, 115, 1693-1703.	1.2	33
23	Physical activity/inactivity and COVID-19. <i>European Journal of Preventive Cardiology</i> , 2022, 28, e24-e26.	0.8	33
24	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
25	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
26	Haemodynamic responses following intermittent supramaximal exercise in athletes. <i>Experimental Physiology</i> , 2004, 89, 665-674.	0.9	29
27	Cardiovascular Reflexes Activity and Their Interaction during Exercise. <i>BioMed Research International</i> , 2015, 2015, 1-10.	0.9	29
28	Mechanisms Involved in Cardioprotection Induced by Physical Exercise. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 1115-1134.	2.5	29
29	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
30	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
31	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
32	Active elderly and health 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
33	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
34	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
35	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
36	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

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37	Gender Differences in Hemodynamic Regulation and Cardiovascular Adaptations to Dynamic Exercise. <i>Current Cardiology Reviews</i> , 2020, 16, 65-72.	0.6	22
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	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
40	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
41	Detection of lactate threshold by including haemodynamic and oxygen extraction data. <i>Physiological Measurement</i> , 2006, 27, 85-97.	1.2	17
42	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
43	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
44	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
45	Physiological responses and energy expenditure during competitive fencing. <i>Applied Physiology, Nutrition and Metabolism</i> , 2014, 39, 324-328.	0.9	17
46	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
47	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
48	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
49	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
50	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
51	Exercise intolerance and fatigue in chronic heart failure: is there a role for group III/IV afferent feedback?. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 1862-1872.	0.8	15
52	Energy expenditure in caving. <i>PLoS ONE</i> , 2017, 12, e0170853.	1.1	14
53	Blood Flow Restriction Training Reduces Blood Pressure During Exercise Without Affecting Metaboreflex Activity. <i>Frontiers in Physiology</i> , 2018, 9, 1736.	1.3	14
54	Lower Percentage of Fat Mass among Tai Chi Chuan Practitioners. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1232.	1.2	14

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55	Haemodynamics during a complete exercise induced atrioventricular block. <i>British Journal of Sports Medicine</i> , 2002, 36, 69-70.	3.1	13
56	Anaerobic threshold and the oxygen consumptionâ€“cardiac output relationship during exercise. <i>Sport Sciences for Health</i> , 2005, 1, 75-80.	0.4	12
57	Hemodynamic Responses during Enduro-Motorcycling Performance. <i>Frontiers in Physiology</i> , 2017, 8, 1062.	1.3	12
58	Infective endocarditis triangle.. Is it the time to revisit infective endocarditis susceptibility and indications for its antibiotic prophylaxis?. <i>European Journal of Preventive Cardiology</i> , 2019, 26, 1771-1774.	0.8	12
59	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
60	Gender differences in cardiovascular functions during exercise: a brief review. <i>Sport Sciences for Health</i> , 2015, 11, 235-241.	0.4	11
61	Hemodynamic abnormalities during muscle metaboreflex activation in patients with type 2 diabetes mellitus. <i>Journal of Applied Physiology</i> , 2019, 126, 444-453.	1.2	11
62	Muscle metaboreflex adaptations to exercise training in health and disease. <i>European Journal of Applied Physiology</i> , 2021, 121, 2943-2955.	1.2	11
63	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
64	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
65	Effects of exercise in normobaric hypoxia on hemodynamics during muscle metaboreflex activation in normoxia. <i>European Journal of Applied Physiology</i> , 2019, 119, 1137-1148.	1.2	10
66	Metaboreflex activity in multiple sclerosis patients. <i>European Journal of Applied Physiology</i> , 2015, 115, 2481-2490.	1.2	9
67	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
68	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
69	Impaired Endothelial Function in Hereditary Angioedema During the Symptom-Free Period. <i>Frontiers in Physiology</i> , 2018, 9, 523.	1.3	8
70	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
71	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
72	Aerobic and anaerobic capacity of adult and young professional soccer players. <i>Sport Sciences for Health</i> , 2012, 8, 95-100.	0.4	7

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73	Cardio-metabolic responses during horse riding at three different speeds. <i>European Journal of Applied Physiology</i> , 2016, 116, 1985-1992.	1.2	7
74	Physical Capacity and Energy Expenditure of Cavers. <i>Frontiers in Physiology</i> , 2017, 8, 1067.	1.3	7
75	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
76	Ischemiaâ€“Reperfusion Intervention: From Enhancements in Exercise Performance to Accelerated Performance Recoveryâ€“A Systematic Review and Meta-Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8161.	1.2	7
77	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
78	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
79	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
80	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
81	Preconditioning cardioprotection and exercise performance: a radical point of view. <i>Sport Sciences for Health</i> , 2015, 11, 137-151.	0.4	6
82	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
83	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
84	Exercise and Ischemic Preconditioning. <i>Current Cardiology Reviews</i> , 2006, 2, 153-162.	0.6	5
85	An Inflatable Pneumatic System for Blood Pressure Recovery. <i>Mechanics Based Design of Structures and Machines</i> , 2012, 40, 506-518.	3.4	5
86	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
87	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
88	Effect of Combined Mental Task and Metaboreflex Activation on Hemodynamics and Cerebral Oxygenation in Patients With Metabolic Syndrome. <i>Frontiers in Physiology</i> , 2020, 11, 397.	1.3	5
89	Daily assessment of arterial distensibility in a pediatric population before and after smoking cessation. <i>Clinics</i> , 2014, 69, 219-224.	0.6	5
90	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

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91	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
92	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
93	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
94	Effects of Physical Exercise on Cardiovascular Diseases: Biochemical, Cellular, and Organ Effects. <i>BioMed Research International</i> , 2015, 2015, 1-2.	0.9	4
95	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. <i>Frontiers in Physiology</i> , 2020, 11, 607616.	1.3	4
96	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
97	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
98	A brief bout of exercise in hypoxia reduces ventricular filling rate and stroke volume response during muscle metaboreflex activation. <i>European Journal of Applied Physiology</i> , 2020, 120, 2115-2126.	1.2	3
99	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
100	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
101	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
102	Editorial: Post-Exercise Hypotension: Clinical Applications and Potential Mechanisms. <i>Frontiers in Physiology</i> , 2022, 13, 899497.	1.3	3
103	The COVID-19 Pandemic: A Challenge for the Cardiovascular Health. <i>Current Cardiology Reviews</i> , 2020, 16, vi-xi.	0.6	2
104	Affective Variables and Cognitive Performances During Exercise in a Group of Adults With Type 2 Diabetes Mellitus. <i>Frontiers in Psychology</i> , 2020, 11, 611558.	1.1	1
105	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
106	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
107	Executive Functions and Mood States in Athletes Performing Exercise Under Hypoxia. <i>Frontiers in Psychology</i> , 2022, 13, .	1.1	1
108	In response to the comments by Fernandes et al.. <i>Journal of Physiological Sciences</i> , 2013, 63, 317-318.	0.9	0

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109	Editorial: Cardiovascular Adjustments and Adaptations to Exercise: From the Athlete to the Patient. <i>Frontiers in Physiology</i> , 2020, 11, 187.	1.3	0
110	Letter about the recent paper by Lam et al. <i>Experimental Physiology</i> , 2020, 105, 916-916.	0.9	0
111	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
112	Cerebral oxygenation in Metabolic Syndrome patients during mental task and muscle metaboreflex activation. <i>FASEB Journal</i> , 2018, 32, 588.22.	0.2	0
113	Muscle metaboreflex activity after an acute session of exercise under hypoxia. <i>FASEB Journal</i> , 2018, 32, 909.10.	0.2	0
114	No effect of anti-hypertensive treatment during the metaboreflex in patients with essential hypertension. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
115	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
116	Lesson from the Pandemic: People should Always Stay Physically Active. <i>Current Cardiology Reviews</i> , 2022, 18, .	0.6	0