

# Piergiuseppe Agostoni

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6389013/piergiuseppe-agostoni-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

343  
papers

8,693  
citations

47  
h-index

74  
g-index

374  
ext. papers

10,529  
ext. citations

4.8  
avg, IF

5.67  
L-index

#	Paper	IF	Citations
343	Lung function and exercise gas exchange in chronic heart failure. <i>Circulation</i> , <b>1997</b> , 96, 2221-7	16.7	283
342	Standards for the use of cardiopulmonary exercise testing for the functional evaluation of cardiac patients: a report from the Exercise Physiology Section of the European Association for Cardiovascular Prevention and Rehabilitation. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , <b>2009</b> , 16, 249-67		240
341	Sustained improvement in functional capacity after removal of body fluid with isolated ultrafiltration in chronic cardiac insufficiency: failure of furosemide to provide the same result. <i>American Journal of Medicine</i> , <b>1994</b> , 96, 191-9	2.4	210
340	Circulatory response to fluid overload removal by extracorporeal ultrafiltration in refractory congestive heart failure. <i>Journal of the American College of Cardiology</i> , <b>2001</b> , 38, 963-8	15.1	187
339	Gas diffusion and alveolar-capillary unit in chronic heart failure. <i>European Heart Journal</i> , <b>2006</b> , 27, 2538-43	4.5	181
338	A long-term prognostic value of coronary CT angiography in suspected coronary artery disease. <i>JACC: Cardiovascular Imaging</i> , <b>2012</b> , 5, 690-701	8.4	137
337	Noninvasive measurement of cardiac output during exercise by inert gas rebreathing technique: a new tool for heart failure evaluation. <i>Journal of the American College of Cardiology</i> , <b>2005</b> , 46, 1779-81	15.1	137
336	Metabolic exercise test data combined with cardiac and kidney indexes, the MECKI score: a multiparametric approach to heart failure prognosis. <i>International Journal of Cardiology</i> , <b>2013</b> , 167, 2710-8	3.2	131
335	Isolated ultrafiltration in moderate congestive heart failure. <i>Journal of the American College of Cardiology</i> , <b>1993</b> , 21, 424-31	15.1	129
334	Clinical Presentation and Outcome in a Contemporary Cohort of Patients With Acute Myocarditis: Multicenter Lombardy Registry. <i>Circulation</i> , <b>2018</b> , 138, 1088-1099	16.7	127
333	Diagnostic accuracy of coronary computed tomography angiography: a comparison between prospective and retrospective electrocardiogram triggering. <i>Journal of the American College of Cardiology</i> , <b>2009</b> , 54, 346-55	15.1	109
332	Medium-term effectiveness of L-thyroxine treatment in idiopathic dilated cardiomyopathy. <i>American Journal of Medicine</i> , <b>1996</b> , 101, 461-7	2.4	108
331	Improvement of alveolar-capillary membrane diffusing capacity with enalapril in chronic heart failure and counteracting effect of aspirin. <i>Circulation</i> , <b>1997</b> , 95, 1930-6	16.7	103
330	Diagnostic accuracy of multidetector computed tomography coronary angiography in patients with dilated cardiomyopathy. <i>Journal of the American College of Cardiology</i> , <b>2007</b> , 49, 2044-50	15.1	100
329	Association of Troponin Levels With Mortality in Italian Patients Hospitalized With Coronavirus Disease 2019: Results of a Multicenter Study. <i>JAMA Cardiology</i> , <b>2020</b> , 5, 1274-1280	16.2	95
328	The patient perspective: Quality of life in advanced heart failure with frequent hospitalisations. <i>International Journal of Cardiology</i> , <b>2015</b> , 191, 256-64	3.2	94
327	Exercise intolerance in chronic heart failure: mechanisms and therapies. Part I. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , <b>2010</b> , 17, 637-42		85

326	Common cardiovascular risk factors and in-hospital mortality in 3,894 patients with COVID-19: survival analysis and machine learning-based findings from the multicentre Italian CORIST Study. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2020</b> , 30, 1899-1913	4.5	84
325	Role of cardiopulmonary exercise testing in clinical stratification in heart failure. A position paper from the Committee on Exercise Physiology and Training of the Heart Failure Association of the European Society of Cardiology. <i>European Journal of Heart Failure</i> , <b>2018</b> , 20, 3-15	12.3	83
324	Work-rate affects cardiopulmonary exercise test results in heart failure. <i>European Journal of Heart Failure</i> , <b>2005</b> , 7, 498-504	12.3	79
323	Clinical recommendations for high altitude exposure of individuals with pre-existing cardiovascular conditions: A joint statement by the European Society of Cardiology, the Council on Hypertension of the European Society of Cardiology, the European Society of Hypertension, the International Society of Mountain Medicine, the Italian Society of Hypertension and the Italian Society of	9.5	77
322	Exercise hyperpnea in chronic heart failure: relationships to lung stiffness and expiratory flow limitation. <i>Journal of Applied Physiology</i> , <b>2002</b> , 92, 1409-16	3.7	74
321	Pulmonary function, cardiac function, and exercise capacity in a follow-up of patients with congestive heart failure treated with carvedilol. <i>American Heart Journal</i> , <b>1999</b> , 138, 460-7	4.9	73
320	Continuous ultrafiltration for congestive heart failure: the CUORE trial. <i>Journal of Cardiac Failure</i> , <b>2014</b> , 20, 9-17	3.3	72
319	Usefulness of L-thyroxine to improve cardiac and exercise performance in idiopathic dilated cardiomyopathy. <i>American Journal of Cardiology</i> , <b>1994</b> , 73, 374-8	3	72
318	Changes in 24 h ambulatory blood pressure and effects of angiotensin II receptor blockade during acute and prolonged high-altitude exposure: a randomized clinical trial. <i>European Heart Journal</i> , <b>2014</b> , 35, 3113-22	9.5	70
317	Exercise-induced pulmonary edema in heart failure. <i>Circulation</i> , <b>2003</b> , 108, 2666-71	16.7	70
316	Carvedilol reduces the inappropriate increase of ventilation during exercise in heart failure patients. <i>Chest</i> , <b>2002</b> , 122, 2062-7	5.3	69
315	Synergistic efficacy of enalapril and losartan on exercise performance and oxygen consumption at peak exercise in congestive heart failure. <i>American Journal of Cardiology</i> , <b>1999</b> , 84, 1038-43	3	69
314	Lack of improvement of lung diffusing capacity following fluid withdrawal by ultrafiltration in chronic heart failure. <i>Journal of the American College of Cardiology</i> , <b>2000</b> , 36, 1600-4	15.1	68
313	Cardiopulmonary exercise testing in systolic heart failure in 2014: the evolving prognostic role: a position paper from the committee on exercise physiology and training of the heart failure association of the ESC. <i>European Journal of Heart Failure</i> , <b>2014</b> , 16, 929-41	12.3	65
312	Nifedipine reduces pulmonary pressure and vascular tone during short- but not long-term treatment of pulmonary hypertension in patients with chronic obstructive pulmonary disease. <i>The American Review of Respiratory Disease</i> , <b>1989</b> , 139, 120-5		62
311	Effects of simulated altitude-induced hypoxia on exercise capacity in patients with chronic heart failure. <i>American Journal of Medicine</i> , <b>2000</b> , 109, 450-5	2.4	60
310	Permanent atrial fibrillation affects exercise capacity in chronic heart failure patients. <i>European Heart Journal</i> , <b>2008</b> , 29, 2367-72	9.5	59
309	Impact of heart failure on the clinical course and outcomes of patients hospitalized for COVID-19. Results of the Cardio-COVID-Italy multicentre study. <i>European Journal of Heart Failure</i> , <b>2020</b> , 22, 2238-2247	12.3	58

308	Heart failure and sleep disorders. <i>Nature Reviews Cardiology</i> , <b>2016</b> , 13, 389-403	14.8	58
307	Cardiovascular risk assessment in low-resource settings: a consensus document of the European Society of Hypertension Working Group on Hypertension and Cardiovascular Risk in Low Resource Settings. <i>Journal of Hypertension</i> , <b>2014</b> , 32, 951-60	1.9	57
306	Prognostic significance and measurement of exercise-derived hemodynamic variables in patients with heart failure. <i>Journal of Cardiac Failure</i> , <b>2007</b> , 13, 672-9	3.3	56
305	Exercise training in patients with ventricular assist devices: a review of the evidence and practical advice. A position paper from the Committee on Exercise Physiology and Training and the Committee of Advanced Heart Failure of the Heart Failure Association of the European Society of Cardiology. <i>European Journal of Heart Failure</i> , <b>2019</b> , 21, 3-13	12.3	56
304	Lung-heart interaction as a substrate for the improvement in exercise capacity after body fluid volume depletion in moderate congestive heart failure. <i>American Journal of Cardiology</i> , <b>1995</b> , 76, 793-8	3	55
303	The prognostic value of normal stress cardiac magnetic resonance in patients with known or suspected coronary artery disease: a meta-analysis. <i>Circulation: Cardiovascular Imaging</i> , <b>2013</b> , 6, 574-82	3.9	53
302	High-altitude hypoxia and periodic breathing during sleep: gender-related differences. <i>Journal of Sleep Research</i> , <b>2013</b> , 22, 322-30	5.8	53
301	Impact of chronic obstructive pulmonary disease on exercise ventilatory efficiency in heart failure. <i>International Journal of Cardiology</i> , <b>2015</b> , 189, 134-40	3.2	52
300	Spirolactone improves lung diffusion in chronic heart failure. <i>European Heart Journal</i> , <b>2005</b> , 26, 159-64	4.5	52
299	Multiparametric prognostic scores in chronic heart failure with reduced ejection fraction: a long-term comparison. <i>European Journal of Heart Failure</i> , <b>2018</b> , 20, 700-710	12.3	51
298	Extracorporeal Ultrafiltration for Fluid Overload in Heart Failure: Current Status and Prospects for Further Research. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 69, 2428-2445	15.1	50
297	Exercise testing in the clinical management of patients affected by pulmonary arterial hypertension. <i>European Journal of Preventive Cardiology</i> , <b>2012</b> , 19, 960-71	3.9	48
296	Neurohormonal activation is associated with increased levels of plasma matrix metalloproteinase-2 in human heart failure. <i>European Heart Journal</i> , <b>2005</b> , 26, 481-8	9.5	47
295	Cardiomegaly as a possible cause of lung dysfunction in patients with heart failure. <i>American Heart Journal</i> , <b>2000</b> , 140, e24	4.9	46
294	Telerehabilitation in heart failure patients: The evidence and the pitfalls. <i>International Journal of Cardiology</i> , <b>2016</b> , 220, 408-13	3.2	46
293	Ambulatory blood pressure in untreated and treated hypertensive patients at high altitude: the High Altitude Cardiovascular Research-Andes study. <i>Hypertension</i> , <b>2015</b> , 65, 1266-72	8.5	45
292	Cardiovascular and noncardiovascular comorbidities in patients with chronic heart failure. <i>Journal of Cardiovascular Medicine</i> , <b>2011</b> , 12, 76-84	1.9	45
291	Effects of rapid saline infusion on lung mechanics and airway responsiveness in humans. <i>Journal of Applied Physiology</i> , <b>2003</b> , 95, 728-34	3.7	45

290	Heparin in COVID-19 Patients Is Associated with Reduced In-Hospital Mortality: The Multicenter Italian CORIST Study. <i>Thrombosis and Haemostasis</i> , <b>2021</b> , 121, 1054-1065	7	45
289	Exercise intolerance in chronic heart failure: mechanisms and therapies. Part II. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , <b>2010</b> , 17, 643-8		44
288	Comparison of changes in respiratory function and exercise oxygen uptake with losartan versus enalapril in congestive heart failure secondary to ischemic or idiopathic dilated cardiomyopathy. <i>American Journal of Cardiology</i> , <b>1997</b> , 80, 1572-6	3	44
287	Lung function with carvedilol and bisoprolol in chronic heart failure: is beta selectivity relevant?. <i>European Journal of Heart Failure</i> , <b>2007</b> , 9, 827-33	12.3	44
286	Effect of non-insulin-dependent diabetes mellitus on pulmonary function and exercise tolerance in chronic congestive heart failure. <i>American Journal of Cardiology</i> , <b>2002</b> , 89, 191-7	3	44
285	Exercise tolerance can explain the obesity paradox in patients with systolic heart failure: data from the MECKI Score Research Group. <i>European Journal of Heart Failure</i> , <b>2016</b> , 18, 545-53	12.3	44
284	Aspirin worsens exercise performance and pulmonary gas exchange in patients with heart failure who are taking angiotensin-converting enzyme inhibitors. <i>American Heart Journal</i> , <b>1999</b> , 138, 254-60	4.9	41
283	Multiparametric comparison of CARvedilol, vs. NEbivolol, vs. Bisoprolol in moderate heart failure: the CARNEBI trial. <i>International Journal of Cardiology</i> , <b>2013</b> , 168, 2134-40	3.2	40
282	Oxidized proteins in plasma of patients with heart failure: role in endothelial damage. <i>European Journal of Heart Failure</i> , <b>2008</b> , 10, 244-51	12.3	40
281	Does lung diffusion impairment affect exercise capacity in patients with heart failure?. <i>British Heart Journal</i> , <b>2002</b> , 88, 453-9		40
280	Evaluation of breathlessness in asbestos workers. Results of exercise testing. <i>The American Review of Respiratory Disease</i> , <b>1987</b> , 135, 812-6		40
279	Prognostic value of indeterminable anaerobic threshold in heart failure. <i>Circulation: Heart Failure</i> , <b>2013</b> , 6, 977-87	7.6	39
278	Impeded alveolar-capillary gas transfer with saline infusion in heart failure. <i>Hypertension</i> , <b>1999</b> , 34, 1202-5	8.5	39
277	Chronotropic incompetence and functional capacity in chronic heart failure: no role of $\beta$ blockers and $\beta$ blocker dose. <i>Cardiovascular Therapeutics</i> , <b>2012</b> , 30, 100-8	3.3	38
276	Long-term effectiveness of cardiac resynchronization therapy in heart failure patients with unfavorable cardiac veins anatomy comparison of surgical versus hemodynamic procedure. <i>Journal of the American College of Cardiology</i> , <b>2011</b> , 58, 483-90	15.1	38
275	High-altitude exposure of three weeks duration increases lung diffusing capacity in humans. <i>Journal of Applied Physiology</i> , <b>2011</b> , 110, 1564-71	3.7	38
274	Cardiovascular mortality and chronotropic incompetence in systolic heart failure: the importance of a reappraisal of current cut-off criteria. <i>European Journal of Heart Failure</i> , <b>2014</b> , 16, 201-9	12.3	37
273	Coronary in-stent restenosis: assessment with CT coronary angiography. <i>Radiology</i> , <b>2012</b> , 265, 410-7	20.5	37

272	Carvedilol reduces exercise-induced hyperventilation: A benefit in normoxia and a problem with hypoxia. <i>European Journal of Heart Failure</i> , <b>2006</b> , 8, 729-35	12.3	37
271	Exercise response after rapid intravenous infusion of saline in healthy humans. <i>Journal of Applied Physiology</i> , <b>2004</b> , 97, 697-703	3.7	37
270	Exertional dyspnoea in chronic heart failure: the role of the lung and respiratory mechanical factors. <i>European Respiratory Review</i> , <b>2016</b> , 25, 317-32	9.8	37
269	Prognostic Benefit of Cardiac Magnetic Resonance Over Transthoracic Echocardiography for the Assessment of Ischemic and Nonischemic Dilated Cardiomyopathy Patients Referred for the Evaluation of Primary Prevention Implantable Cardioverter-Defibrillator Therapy. <i>Circulation: Cardiovascular Imaging</i> , <b>2016</b> , 9,	3.9	37
268	Effect of biventricular pacing on ventilatory and perceptual responses to exercise in patients with stable chronic heart failure. <i>Journal of Applied Physiology</i> , <b>2009</b> , 106, 1574-83	3.7	36
267	Sixty-four-slice multidetector computed tomography: an accurate imaging modality for the evaluation of coronary arteries in dilated cardiomyopathy of unknown etiology. <i>Circulation: Cardiovascular Imaging</i> , <b>2009</b> , 2, 199-205	3.9	35
266	Effect of empagliflozin on exercise ability and symptoms in heart failure patients with reduced and preserved ejection fraction, with and without type 2 diabetes. <i>European Heart Journal</i> , <b>2021</b> , 42, 700-710	9.5	35
265	Cardiopulmonary exercise test and sudden cardiac death risk in hypertrophic cardiomyopathy. <i>Heart</i> , <b>2016</b> , 102, 602-9	5.1	34
264	A long-term prognostic value of CT angiography and exercise ECG in patients with suspected CAD. <i>JACC: Cardiovascular Imaging</i> , <b>2013</b> , 6, 641-50	8.4	34
263	Acute high-altitude exposure reduces lung diffusion: data from the HIGHCARE Alps project. <i>Respiratory Physiology and Neurobiology</i> , <b>2013</b> , 188, 223-8	2.8	34
262	Effects of beta-blockers on ventilation efficiency in heart failure. <i>American Heart Journal</i> , <b>2010</b> , 159, 1067-73	4.9	34
261	Mechanisms of periodic breathing during exercise in patients with chronic heart failure. <i>Chest</i> , <b>2008</b> , 133, 197-203	5.3	34
260	RAAS inhibitors are not associated with mortality in COVID-19 patients: Findings from an observational multicenter study in Italy and a meta-analysis of 19 studies. <i>Vascular Pharmacology</i> , <b>2020</b> , 135, 106805	5.9	34
259	Safety and Tolerability of Neladenoson Bialanate, a Novel Oral Partial Adenosine A1 Receptor Agonist, in Patients With Chronic Heart Failure. <i>Journal of Clinical Pharmacology</i> , <b>2017</b> , 57, 440-451	2.9	33
258	Heart failure prognosis over time: how the prognostic role of oxygen consumption and ventilatory efficiency during exercise has changed in the last 20 years. <i>European Journal of Heart Failure</i> , <b>2019</b> , 21, 208-217	12.3	33
257	Lvad pump speed increase is associated with increased peak exercise cardiac output and vo, postponed anaerobic threshold and improved ventilatory efficiency. <i>International Journal of Cardiology</i> , <b>2017</b> , 230, 28-32	3.2	32
256	The role of cardiopulmonary exercise tests in pulmonary arterial hypertension. <i>European Respiratory Review</i> , <b>2018</b> , 27,	9.8	32
255	Sex and acetazolamide effects on chemoreflex and periodic breathing during sleep at altitude. <i>Chest</i> , <b>2015</b> , 147, 120-131	5.3	31

254	Physiological insights of exercise hyperventilation in arterial and chronic thromboembolic pulmonary hypertension. <i>International Journal of Cardiology</i> , <b>2018</b> , 259, 178-182	3.2	30
253	Acetazolamide and inhaled carbon dioxide reduce periodic breathing during exercise in patients with chronic heart failure. <i>Journal of Cardiac Failure</i> , <b>2014</b> , 20, 278-88	3.3	30
252	Cardiopulmonary interaction in heart failure. <i>Pulmonary Pharmacology and Therapeutics</i> , <b>2007</b> , 20, 130-43.5	3.5	30
251	Rationale and design of the EMPERIAL-Preserved and EMPERIAL-Reduced trials of empagliflozin in patients with chronic heart failure. <i>European Journal of Heart Failure</i> , <b>2019</b> , 21, 932-942	12.3	29
250	Effects of slow deep breathing at high altitude on oxygen saturation, pulmonary and systemic hemodynamics. <i>PLoS ONE</i> , <b>2012</b> , 7, e49074	3.7	29
249	Prognostic Stratification of Patients With ST-Segment-Elevation Myocardial Infarction (PROSPECT): A Cardiac Magnetic Resonance Study. <i>Circulation: Cardiovascular Imaging</i> , <b>2017</b> , 10,	3.9	28
248	Erectile dysfunction in heart failure: correlation with severity, exercise performance, comorbidities, and heart failure treatment. <i>Journal of Sexual Medicine</i> , <b>2009</b> , 6, 2795-805	1.1	28
247	Relationship of resting hemoglobin concentration to peak oxygen uptake in heart failure patients. <i>American Journal of Hematology</i> , <b>2010</b> , 85, 414-7	7.1	28
246	Oxygen transport to muscle during exercise in chronic congestive heart failure secondary to idiopathic dilated cardiomyopathy. <i>American Journal of Cardiology</i> , <b>1997</b> , 79, 1120-4	3	28
245	Sustained benefit from ultrafiltration in moderate congestive heart failure. <i>Cardiology</i> , <b>2001</b> , 96, 183-9	1.6	28
244	Modulation of alveolar-capillary sodium handling as a mechanism of protection of gas transfer by enalapril, and not by losartan, in chronic heart failure. <i>Journal of the American College of Cardiology</i> , <b>2001</b> , 37, 398-406	15.1	28
243	Prognostic value of dipyridamole stress cardiac magnetic resonance in patients with known or suspected coronary artery disease: a mid-term follow-up study. <i>European Radiology</i> , <b>2016</b> , 26, 2155-65	8	28
242	How to perform and report a cardiopulmonary exercise test in patients with chronic heart failure. <i>International Journal of Cardiology</i> , <b>2019</b> , 288, 107-113	3.2	27
241	Prognostic value of multidetector computed tomography coronary angiography in diabetes: excellent long-term prognosis in patients with normal coronary arteries. <i>Diabetes Care</i> , <b>2013</b> , 36, 1834-41	14.6	27
240	Changes in subendocardial viability ratio with acute high-altitude exposure and protective role of acetazolamide. <i>Hypertension</i> , <b>2013</b> , 61, 793-9	8.5	27
239	Angiotensin-converting enzyme inhibition facilitates alveolar-capillary gas transfer and improves ventilation-perfusion coupling in patients with left ventricular dysfunction. <i>Clinical Pharmacology and Therapeutics</i> , <b>1999</b> , 65, 319-27	6.1	27
238	Hemodynamic effects of exercise training in heart failure. <i>Journal of Cardiac Failure</i> , <b>2011</b> , 17, 916-22	3.3	26
237	Circulating plasma surfactant protein type B as biological marker of alveolar-capillary barrier damage in chronic heart failure. <i>Circulation: Heart Failure</i> , <b>2009</b> , 2, 175-80	7.6	26

236	A four-minute submaximal constant work rate exercise test to assess cardiovascular functional class in chronic heart failure. <i>American Journal of Cardiology</i> , <b>1998</b> , 81, 1210-4	3	26
235	A non invasive estimate of dead space ventilation from exercise measurements. <i>PLoS ONE</i> , <b>2014</b> , 9, e87395	3.7	26
234	Exercise programs for LVAD supported patients: A snapshot from the ESC affiliated countries. <i>International Journal of Cardiology</i> , <b>2015</b> , 201, 215-9	3.2	25
233	Heart Failure Progression in Hypertrophic Cardiomyopathy - Possible Insights From Cardiopulmonary Exercise Testing. <i>Circulation Journal</i> , <b>2016</b> , 80, 2204-11	2.9	25
232	The metabolic exercise test data combined with Cardiac And Kidney Indexes (MECKI) score and prognosis in heart failure. A validation study. <i>International Journal of Cardiology</i> , <b>2016</b> , 203, 1067-72	3.2	25
231	Surfactant protein B and RAGE increases in the plasma during cardiopulmonary bypass: a pilot study. <i>European Respiratory Journal</i> , <b>2011</b> , 37, 841-7	13.6	25
230	Lungs in heart failure. <i>Pulmonary Medicine</i> , <b>2012</b> , 2012, 952741	5.3	25
229	Role of alveolar $\beta$ -adrenergic receptors on lung fluid clearance and exercise ventilation in healthy humans. <i>PLoS ONE</i> , <b>2013</b> , 8, e61877	3.7	25
228	Deceptive meaning of oxygen uptake measured at the anaerobic threshold in patients with systolic heart failure and atrial fibrillation. <i>European Journal of Preventive Cardiology</i> , <b>2015</b> , 22, 1046-55	3.9	24
227	Renal function and peak exercise oxygen consumption in chronic heart failure with reduced left ventricular ejection fraction. <i>Circulation Journal</i> , <b>2015</b> , 79, 583-91	2.9	24
226	Effects of beta-blockade on exercise performance at high altitude: a randomized, placebo-controlled trial comparing the efficacy of nebivolol versus carvedilol in healthy subjects. <i>Cardiovascular Therapeutics</i> , <b>2012</b> , 30, 240-8	3.3	24
225	The discriminatory value of the P(A-a)O <sub>2</sub> during exercise in the detection of asbestosis in asbestos exposed workers. <i>Chest</i> , <b>1989</b> , 95, 52-5	5.3	24
224	SARS-CoV-2 spread in Northern Italy: what about the pollution role?. <i>Environmental Monitoring and Assessment</i> , <b>2020</b> , 192, 325	3.1	23
223	Heart failure and anemia: Effects on prognostic variables. <i>European Journal of Internal Medicine</i> , <b>2017</b> , 37, 56-63	3.9	23
222	Cardiac and renal dysfunction in chronic heart failure: relation to neurohumoral activation and prognosis. <i>American Journal of the Medical Sciences</i> , <b>2001</b> , 321, 359-66	2.2	23
221	Exercise-induced hemoconcentration in heart failure due to dilated cardiomyopathy. <i>American Journal of Cardiology</i> , <b>1999</b> , 83, 278-80, A6	3	23
220	Comprehensive effects of left ventricular assist device speed changes on alveolar gas exchange, sleep ventilatory pattern, and exercise performance. <i>Journal of Heart and Lung Transplantation</i> , <b>2018</b> , 37, 1361-1371	5.8	23
219	Surfactant-derived proteins as markers of alveolar membrane damage in heart failure. <i>PLoS ONE</i> , <b>2014</b> , 9, e115030	3.7	22



218	A pragmatic approach to the use of inotropes for the management of acute and advanced heart failure: An expert panel consensus. <i>International Journal of Cardiology</i> , <b>2019</b> , 297, 83-90	3.2	21
217	Severe heart failure prognosis evaluation for transplant selection in the era of beta-blockers: role of peak oxygen consumption. <i>International Journal of Cardiology</i> , <b>2013</b> , 168, 5078-81	3.2	21
216	High diagnostic accuracy of prospective ECG-gating 64-slice computed tomography coronary angiography for the detection of in-stent restenosis: in-stent restenosis assessment by low-dose MDCT. <i>European Radiology</i> , <b>2011</b> , 21, 1430-8	8	21
215	Continuous positive airway pressure increases haemoglobin O2 saturation after acute but not prolonged altitude exposure. <i>European Heart Journal</i> , <b>2010</b> , 31, 457-63	9.5	21
214	Index measured at an intermediate altitude to predict impending acute mountain sickness. <i>Medicine and Science in Sports and Exercise</i> , <b>2011</b> , 43, 1811-8	1.2	21
213	Exercise prescription for the prevention and treatment of cardiovascular diseases: part I. <i>Journal of Cardiovascular Medicine</i> , <b>2008</b> , 9, 529-44	1.9	21
212	Angiotensin-converting enzyme inhibition restores the diffusing capacity for carbon monoxide in patients with chronic heart failure by improving the molecular diffusion across the alveolar capillary membrane. <i>Clinical Science</i> , <b>1999</b> , 96, 17-22	6.5	21
211	The Role of Gas Exchange Variables in Cardiopulmonary Exercise Testing for Risk Stratification and Management of Heart Failure with Reduced Ejection Fraction. <i>American Heart Journal</i> , <b>2018</b> , 202, 116-126	4.9	21
210	Noninvasive cardiac output measurement by inert gas rebreathing in suspected pulmonary hypertension. <i>American Journal of Cardiology</i> , <b>2014</b> , 113, 546-51	3	20
209	Redox proteomics identification of oxidatively modified myocardial proteins in human heart failure: implications for protein function. <i>PLoS ONE</i> , <b>2012</b> , 7, e35841	3.7	20
208	Accessory thyroid tissue in the right ventricle. <i>Chest</i> , <b>1989</b> , 96, 424-5	5.3	20
207	Prognostic role of $\beta$ -blocker selectivity and dosage regimens in heart failure patients. Insights from the MECKI score database. <i>European Journal of Heart Failure</i> , <b>2017</b> , 19, 904-914	12.3	19
206	Effects of hypobaric hypoxia exposure at high altitude on left ventricular twist in healthy subjects: data from HIGHCARE study on Mount Everest. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2016</b> , 17, 635-43	4.1	19
205	Additional clinical role of 64-slice multidetector computed tomography in the evaluation of coronary artery variants and anomalies. <i>International Journal of Cardiology</i> , <b>2010</b> , 145, 388-390	3.2	19
204	Plasma bradykinin levels in human chronic congestive heart failure. <i>Clinical Science</i> , <b>2000</b> , 99, 461-466	6.5	19
203	Prognostic value of cardiopulmonary exercise testing in Idiopathic Dilated Cardiomyopathy. <i>International Journal of Cardiology</i> , <b>2016</b> , 223, 596-603	3.2	19
202	Exercise Performance Is a Prognostic Indicator in Elderly Patients With Chronic Heart Failure--Application of Metabolic Exercise Cardiac Kidney Indexes Score. <i>Circulation Journal</i> , <b>2015</b> , 79, 2608-15	2.9	18
201	Diagnostic performance of two types of low radiation exposure protocol for prospective ECG-triggering multidetector computed tomography angiography in assessment of coronary artery bypass graft. <i>International Journal of Cardiology</i> , <b>2012</b> , 157, 63-9	3.2	18

200	Cardiopulmonary evidence of exercise-induced silent ischaemia. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , <b>2006</b> , 13, 249-53		18
199	"You can leave your mask on": effects on cardiopulmonary parameters of different airway protective masks at rest and during maximal exercise. <i>European Respiratory Journal</i> , <b>2021</b> , 58,	13.6	18
198	Severe cardiomyopathy in a young patient with complete deficiency of adipose triglyceride lipase due to a novel mutation in PNPLA2 gene. <i>International Journal of Cardiology</i> , <b>2016</b> , 207, 165-7	3.2	18
197	Reference Values for Peak Exercise Cardiac Output in Healthy Individuals. <i>Chest</i> , <b>2017</b> , 151, 1329-1337	5.3	17
196	Respiratory effects of beta-blocker therapy in heart failure. <i>Cardiovascular Drugs and Therapy</i> , <b>2009</b> , 23, 377-84	3.9	17
195	Alveolar membrane conductance decreases as BNP increases during exercise in heart failure. Rationale for BNP in the evaluation of dyspnea. <i>Journal of Cardiac Failure</i> , <b>2009</b> , 15, 136-44	3.3	17
194	Disappearance of isocapnic buffering period during increasing work rate exercise at high altitude. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , <b>2008</b> , 15, 354-8		17
193	Late onset of neutral lipid storage disease due to novel PNPLA2 mutations causing total loss of lipase activity in a patient with myopathy and slight cardiac involvement. <i>Neuromuscular Disorders</i> , <b>2017</b> , 27, 481-486	2.9	16
192	Ischemic changes in exercise ECG in a hypertensive subject acutely exposed to high altitude. Possible role of a high-altitude induced imbalance in myocardial oxygen supply-demand. <i>International Journal of Cardiology</i> , <b>2014</b> , 171, e100-2	3.2	16
191	End-tidal pressure of CO <sub>2</sub> and exercise performance in healthy subjects. <i>European Journal of Applied Physiology</i> , <b>2008</b> , 103, 727-32	3.4	16
190	Lateral decubitus position generates discomfort and worsens lung function in chronic heart failure. <i>Chest</i> , <b>2005</b> , 128, 1511-6	5.3	16
189	The influence of diastolic and systolic function on exercise performance in heart failure due to dilated cardiomyopathy or ischemic heart disease. <i>European Journal of Heart Failure</i> , <b>1999</b> , 1, 161-7	12.3	16
188	Systemic to pulmonary bronchial blood flow in heart failure. <i>Chest</i> , <b>1995</b> , 107, 1247-52	5.3	16
187	Interleukin-1 $\beta$ levels predict long-term mortality and need for heart transplantation in ambulatory patients affected by idiopathic dilated cardiomyopathy. <i>Oncotarget</i> , <b>2017</b> , 8, 25131-25140	3.3	16
186	Pro-oxidant and pro-inflammatory effects of glycated albumin on cardiomyocytes. <i>Free Radical Biology and Medicine</i> , <b>2019</b> , 144, 245-255	7.8	15
185	Levosimendan improves exercise performance in patients with advanced chronic heart failure. <i>ESC Heart Failure</i> , <b>2015</b> , 2, 133-141	3.7	15
184	Comparison of the diagnostic performance of 64-slice computed tomography coronary angiography in diabetic and non-diabetic patients with suspected coronary artery disease. <i>Cardiovascular Diabetology</i> , <b>2010</b> , 9, 80	8.7	15
183	Temperature dependence of intraparenchymal bronchial blood flow. <i>Respiration Physiology</i> , <b>1987</b> , 68, 259-67		15

182	Levosimendan Efficacy and Safety: 20 years of SIMDAX in Clinical Use. <i>Cardiac Failure Review</i> , <b>2020</b> , 6, e19	4.2	15
181	Sex Profile and Risk Assessment With Cardiopulmonary Exercise Testing in Heart Failure: Propensity Score Matching for Sex Selection Bias. <i>Canadian Journal of Cardiology</i> , <b>2016</b> , 32, 754-9	3.8	14
180	Qualitative and quantitative evaluation of a new wearable device for ECG and respiratory Holter monitoring. <i>International Journal of Cardiology</i> , <b>2018</b> , 272, 231-237	3.2	14
179	Predicted values of exercise capacity in heart failure: where we are, where to go. <i>Heart Failure Reviews</i> , <b>2014</b> , 19, 645-53	5	14
178	Coronary stent evaluation with coronary computed tomographic angiography: comparison between low-osmolar, high-iodine concentration iomeprol-400 and iso-osmolar, lower-iodine concentration iodixanol-320. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2014</b> , 8, 44-51	2.8	14
177	Prognostic role of atrial fibrillation in patients affected by chronic heart failure. Data from the MECKI score research group. <i>European Journal of Internal Medicine</i> , <b>2015</b> , 26, 515-20	3.9	14
176	Evaluation of noninvasive exercise cardiac output determination in chronic heart failure patients: a proposal of a new diagnostic and prognostic method. <i>Journal of Cardiovascular Medicine</i> , <b>2011</b> , 12, 19-27 <sup>1-9</sup>	1.9	14
175	Evolution of the concept of ventilatory limitation during exercise. Combining the pneumologist and cardiologist point of view. <i>Respiratory Physiology and Neurobiology</i> , <b>2011</b> , 179, 127-8	2.8	14
174	Noninvasive measurement of cardiac output during exercise by inert gas rebreathing technique. <i>Heart Failure Clinics</i> , <b>2009</b> , 5, 209-15	3.3	14
173	Inspired gas relative humidity affects systemic to pulmonary bronchial blood flow in humans. <i>Chest</i> , <b>1990</b> , 97, 1377-80	5.3	14
172	Periodic Breathing during Incremental Exercise. <i>Annals of the American Thoracic Society</i> , <b>2017</b> , 14, S116-S122	1.2	13
171	Prognostic Role of Cardiopulmonary Exercise Testing in Clinical Practice. <i>Annals of the American Thoracic Society</i> , <b>2017</b> , 14, S53-S58	4.7	13
170	Alveolar-capillary membrane diffusion measurement by nitric oxide inhalation in heart failure. <i>European Journal of Preventive Cardiology</i> , <b>2015</b> , 22, 206-12	3.9	13
169	Noninvasive cardiac output measurement: A new tool in heart failure. <i>Cardiology</i> , <b>2009</b> , 114, 244-6	1.6	13
168	Sildenafil improves the alveolar-capillary function in heart failure patients. <i>International Journal of Cardiology</i> , <b>2008</b> , 126, 68-72	3.2	13
167	Pleural liquid pressure in the zone of apposition and in the lung zone. <i>Respiration Physiology</i> , <b>1989</b> , 75, 357-70		13
166	A Machine Learning Approach for Mortality Prediction in COVID-19 Pneumonia: Development and Evaluation of the Piacenza Score. <i>Journal of Medical Internet Research</i> , <b>2021</b> , 23, e29058	7.6	13
165	Prevalence, Characteristics, and Outcomes of COVID-19-Associated Acute Myocarditis.. <i>Circulation</i> , <b>2022</b> , 145, 1123-1139	16.7	13

164	Levosimendan Efficacy and Safety: 20 Years of SIMDAX in Clinical Use. <i>Journal of Cardiovascular Pharmacology</i> , <b>2020</b> , 76, 4-22	3.1	12
163	Surfactant protein B: From biochemistry to its potential role as diagnostic and prognostic marker in heart failure. <i>International Journal of Cardiology</i> , <b>2016</b> , 221, 456-62	3.2	12
162	Mechanisms That Modulate Peripheral Oxygen Delivery during Exercise in Heart Failure. <i>Annals of the American Thoracic Society</i> , <b>2017</b> , 14, S40-S47	4.7	12
161	Determinants of peak oxygen uptake in patients with hypertrophic cardiomyopathy: a single-center study. <i>Internal and Emergency Medicine</i> , <b>2014</b> , 9, 293-302	3.7	12
160	Rationale for cardiopulmonary exercise test in the assessment of surgical risk. <i>Journal of Cardiovascular Medicine</i> , <b>2013</b> , 14, 254-61	1.9	12
159	Effect of acute $\beta$ -blocker withholding on ventilatory efficiency in patients with advanced chronic heart failure. <i>Journal of Cardiac Failure</i> , <b>2010</b> , 16, 548-55	3.3	12
158	Influence of exertional oscillatory ventilation on exercise performance in heart failure. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , <b>2008</b> , 15, 688-92		12
157	Impaired bradykinin response to ischaemia and exercise in patients with mild congestive heart failure during angiotensin-converting enzyme treatment. Relationships with endothelial function, coagulation and inflammation. <i>British Journal of Haematology</i> , <b>2005</b> , 130, 113-20	4.5	12
156	Angiotensin-converting enzyme inhibition restores the diffusing capacity for carbon monoxide in patients with chronic heart failure by improving the molecular diffusion across the alveolar capillary membrane. <i>Clinical Science</i> , <b>1999</b> , 96, 17	6.5	12
155	Exercise oscillatory ventilation and prognosis in heart failure patients with reduced and mid-range ejection fraction. <i>European Journal of Heart Failure</i> , <b>2019</b> , 21, 1586-1595	12.3	12
154	Cardiopulmonary Exercise Testing in Patients with Heart Failure with Specific Comorbidities. <i>Annals of the American Thoracic Society</i> , <b>2017</b> , 14, S110-S115	4.7	11
153	Contribution of central and peripheral factors at peak exercise in heart failure patients with progressive severity of exercise limitation. <i>International Journal of Cardiology</i> , <b>2017</b> , 248, 252-256	3.2	11
152	Anaerobic Threshold and Respiratory Compensation Point Identification During Cardiopulmonary Exercise Tests in Chronic Heart Failure. <i>Chest</i> , <b>2019</b> , 156, 338-347	5.3	11
151	Cardiac patient care during a pandemic: how to reorganise a heart failure unit at the time of COVID-19. <i>European Journal of Preventive Cardiology</i> , <b>2020</b> , 27, 1127-1132	3.9	11
150	Clinical and prognostic impact of chronotropic incompetence in patients with hypertrophic cardiomyopathy. <i>International Journal of Cardiology</i> , <b>2018</b> , 271, 125-131	3.2	11
149	The effects of anesthesia, muscle paralysis, and ventilation on the lung evaluated by lung diffusion for carbon monoxide and pulmonary surfactant protein B. <i>Anesthesia and Analgesia</i> , <b>2015</b> , 120, 373-80	3.9	11
148	Cardiopulmonary exercise testing for heart failure patients: a hodgepodge of techniques, parameters and interpretations. In other words, the need for a time-break. <i>European Heart Journal</i> , <b>2006</b> , 27, 633-4	9.5	11
147	Gender and age normalization and ventilation efficiency during exercise in heart failure with reduced ejection fraction. <i>ESC Heart Failure</i> , <b>2020</b> , 7, 371-380	3.7	11

146	Management of Osteoarthritis: Expert Opinion on NSAIDs. <i>Pain and Therapy</i> , <b>2021</b> , 10, 783-808	3.6	11
145	Pulmonary embolism in patients with COVID-19: characteristics and outcomes in the Cardio-COVID Italy multicenter study. <i>Clinical Research in Cardiology</i> , <b>2021</b> , 110, 1020-1028	6.1	10
144	Blood pressure response to six-minute walk test in hypertensive subjects exposed to high altitude: effects of antihypertensive combination treatment. <i>International Journal of Cardiology</i> , <b>2016</b> , 219, 27-32 <sup>3.2</sup>	3.2	10
143	Dose-dependent efficacy of Eblocker in patients with chronic heart failure and atrial fibrillation. <i>International Journal of Cardiology</i> , <b>2018</b> , 273, 141-146	3.2	10
142	Cardiac implantable electronic devices with a defibrillator component and all-cause mortality in left ventricular assist device carriers: results from the PCHF-VAD registry. <i>European Journal of Heart Failure</i> , <b>2019</b> , 21, 1129-1141	12.3	10
141	Acute Increase of Cardiac Output Reduces Central Sleep Apneas in Heart Failure Patients. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 66, 2571-2	15.1	10
140	Considerations on safety and treatment of patients with chronic heart failure at high altitude. <i>High Altitude Medicine and Biology</i> , <b>2013</b> , 14, 96-100	1.9	10
139	Kinetics of plasma SPB and RAGE during mechanical ventilation in patients undergoing major vascular surgery. <i>Respiratory Physiology and Neurobiology</i> , <b>2011</b> , 178, 256-60	2.8	10
138	Imaging of cardiac venous system in patients with dilated cardiomyopathy by 64-slice computed tomography: comparison between non-ischemic and ischemic etiology. <i>International Journal of Cardiology</i> , <b>2010</b> , 144, 340-3	3.2	10
137	Assessment of cardiac resynchronization therapy response. <i>International Journal of Cardiology</i> , <b>2009</b> , 136, 240-2	3.2	10
136	Exercise capacity in patients with beta-thalassaemia intermedia. <i>British Journal of Haematology</i> , <b>2005</b> , 131, 278-81	4.5	10
135	Modulation of the atrioventricular node conduction to achieve rate control in patients with atrial fibrillation: long-term results. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>1999</b> , 22, 442-52	1.6	10
134	Pleural pressure from abdominal to pulmonary rib cage: sweep of the lung border. <i>Respiration Physiology</i> , <b>1989</b> , 75, 105-15		10
133	Increased serum uric acid level predicts poor prognosis in mildly severe chronic heart failure with reduced ejection fraction. An analysis from the MECKI score research group. <i>European Journal of Internal Medicine</i> , <b>2020</b> , 72, 47-52	3.9	10
132	Exercise gas exchange in continuous-flow left ventricular assist device recipients. <i>PLoS ONE</i> , <b>2018</b> , 13, e0187112	3.7	10
131	Anemia and Iron Deficiency in Heart Failure: Clinical and Prognostic Role. <i>Heart Failure Clinics</i> , <b>2019</b> , 15, 359-369	3.3	9
130	Isocapnic buffering period: From physiology to clinics. <i>European Journal of Preventive Cardiology</i> , <b>2019</b> , 26, 1107-1114	3.9	9
129	Risk Stratification in Hypertrophic Cardiomyopathy. Insights from Genetic Analysis and Cardiopulmonary Exercise Testing. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	9

128	Choosing among $\beta$ blockers in heart failure patients according to $\beta$ receptors' location and functions in the cardiopulmonary system. <i>Pharmacological Research</i> , <b>2020</b> , 156, 104785	10.2	9
127	The alveolar to arterial oxygen partial pressure difference is associated with pulmonary diffusing capacity in heart failure patients. <i>Respiratory Physiology and Neurobiology</i> , <b>2016</b> , 233, 1-6	2.8	9
126	Blood Pressure Response to Exercise in Hypertensive Subjects Exposed to High Altitude and Treatment Effects. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 66, 2806-2807	15.1	9
125	Peripheral adaptation mechanisms in physical training and cardiac rehabilitation: the case of a patient supported by a CardioWest total artificial heart. <i>Journal of Cardiac Failure</i> , <b>2011</b> , 17, 670-5	3.3	9
124	Exercise prescription for the prevention and treatment of cardiovascular diseases: part II. <i>Journal of Cardiovascular Medicine</i> , <b>2008</b> , 9, 641-52	1.9	9
123	Plasma bradykinin levels in human chronic congestive heart failure. <i>Clinical Science</i> , <b>2000</b> , 99, 461	6.5	9
122	Doppler assessment of left ventricular filling pattern in silent ischemia in patients with Prinzmetal's angina. <i>American Journal of Cardiology</i> , <b>1990</b> , 66, 1055-9	3	9
121	Lopinavir/Ritonavir and Darunavir/Cobicistat in Hospitalized COVID-19 Patients: Findings From the Multicenter Italian CORIST Study. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 639970	4.9	9
120	Metabolic exercise data combined with cardiac and kidney indexes: MECKI score. Predictive role in cardiopulmonary exercise testing with low respiratory exchange ratio in heart failure. <i>International Journal of Cardiology</i> , <b>2015</b> , 184, 299-301	3.2	8
119	Plasma immature form of surfactant protein type B correlates with prognosis in patients with chronic heart failure. A pilot single-center prospective study. <i>International Journal of Cardiology</i> , <b>2015</b> , 201, 394-9	3.2	8
118	-Acetyl-Cysteine Regenerates Albumin Cys34 by a Thiol-Disulfide Breaking Mechanism: An Explanation of Its Extracellular Antioxidant Activity. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	8
117	ANMCO Position Paper: long-term follow-up of patients with pulmonary thromboembolism. <i>European Heart Journal Supplements</i> , <b>2017</b> , 19, D309-D332	1.5	8
116	Effects of blood transfusion on exercise capacity in thalassemia major patients. <i>PLoS ONE</i> , <b>2015</b> , 10, e0137553	3.7	8
115	Alveolar-capillary gas exchange and exercise performance in heart failure. <i>American Journal of Cardiology</i> , <b>2001</b> , 88, 452-7	3	8
114	Exercise performance in patients with uncomplicated essential hypertension. Effects of nifedipine-induced acute blood pressure reduction. <i>Chest</i> , <b>1992</b> , 101, 1591-6	5.3	8
113	Increase of alveolar pressure reduces systemic-to-pulmonary bronchial blood flow in humans. <i>Chest</i> , <b>1989</b> , 96, 1081-5	5.3	8
112	Haemodynamic Balance in Acute and Advanced Heart Failure: An Expert Perspective on the Role of Levosimendan. <i>Cardiac Failure Review</i> , <b>2019</b> , 5, 155-161	4.2	8
111	Role of comorbidities in heart failure prognosis Part 2: Chronic kidney disease, elevated serum uric acid. <i>European Journal of Preventive Cardiology</i> , <b>2020</b> , 27, 35-45	3.9	8

110	COVID-19-related cardiac complications from clinical evidences to basic mechanisms: opinion paper of the ESC Working Group on Cellular Biology of the Heart. <i>Cardiovascular Research</i> , <b>2021</b> , 117, 2148-2160	8.9	8
109	Management of heart failure in the new era: the role of scores. <i>Journal of Cardiovascular Medicine</i> , <b>2016</b> , 17, 569-80	1.9	8
108	Exercise physiology in pulmonary hypertension patients with and without congenital heart disease. <i>European Journal of Preventive Cardiology</i> , <b>2019</b> , 26, 86-93	3.9	8
107	Linking cell function with perfusion: insights from the transcatheter delivery of bone marrow-derived CD133 cells in ischemic refractory cardiomyopathy trial (RECARDIO). <i>Stem Cell Research and Therapy</i> , <b>2018</b> , 9, 235	8.3	8
106	Surfactant proteins changes after acute hemodynamic improvement in patients with advanced chronic heart failure treated with Levosimendan. <i>Respiratory Physiology and Neurobiology</i> , <b>2018</b> , 252-253, 47-51	2.8	7
105	Opposite behavior of plasma levels surfactant protein type B and receptor for advanced glycation end products in pulmonary sarcoidosis. <i>Respiratory Medicine</i> , <b>2013</b> , 107, 1617-24	4.6	7
104	Inside ventilatory regulation in pulmonary hypertension: several hidden data are still undiscovered. <i>European Journal of Preventive Cardiology</i> , <b>2014</b> , 21, 268-71	3.9	7
103	Contribution of $\beta$ adrenergic receptors to exercise-induced bronchodilatation in healthy humans. <i>Respiratory Physiology and Neurobiology</i> , <b>2012</b> , 184, 55-9	2.8	7
102	Cardiopulmonary exercise test evidence of isolated right coronary artery disease. <i>International Journal of Cardiology</i> , <b>2006</b> , 113, 281-2	3.2	7
101	Exercise-induced changes in exhaled nitric oxide in heart failure. <i>European Journal of Heart Failure</i> , <b>2004</b> , 6, 551-4	12.3	7
100	Serum to urinary sodium concentration ratio is an estimate of plasma renin activity in congestive heart failure. <i>European Journal of Heart Failure</i> , <b>2002</b> , 4, 597-603	12.3	7
99	Monitoring gas exchange during a constant work rate exercise in patients with left ventricular dysfunction treated with carvedilol. <i>American Journal of Cardiology</i> , <b>2000</b> , 85, 660-4, A10	3	7
98	Pleural liquid pressure at the caudal border of the lung. <i>Respiration Physiology</i> , <b>1989</b> , 75, 117-28		7
97	S-Thiolation Targets Albumin in Heart Failure. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	7
96	Exercise performance, haemodynamics, and respiratory pattern do not identify heart failure patients who end exercise with dyspnoea from those with fatigue. <i>ESC Heart Failure</i> , <b>2018</b> , 5, 115-119	3.7	6
95	Improvement in exercise capacity and delayed anaerobic metabolism induced by far-infrared-emitting garments in active healthy subjects: A pilot study. <i>European Journal of Preventive Cardiology</i> , <b>2018</b> , 25, 1744-1751	3.9	6
94	NT-proatrial natriuretic peptide as a possible biomarker of cardiopulmonary involvement in sarcoidosis. <i>European Journal of Internal Medicine</i> , <b>2013</b> , 24, 278-84	3.9	6
93	Do maximum flow-volume loops collected during maximum exercise test alter the main cardiopulmonary parameters?. <i>Chest</i> , <b>2009</b> , 135, 425-433	5.3	6

92	Continuous ultrafiltration for congestive heart failure: the CUORE trial. <i>Journal of Cardiac Failure</i> , <b>2014</b> , 20, 378.e1-9	3.3	6
91	Renin-Angiotensin-Aldosterone System Is Not Involved in the Arterial Stiffening Induced by Acute and Prolonged Exposure to High Altitude. <i>Hypertension</i> , <b>2017</b> , 70, 75-84	8.5	5
90	Long-term prognostic role of diabetes mellitus and glycemic control in heart failure patients with reduced ejection fraction: Insights from the MECKI Score database. <i>International Journal of Cardiology</i> , <b>2020</b> , 317, 103-110	3.2	5
89	Ghrelin Derangements in Idiopathic Dilated Cardiomyopathy: Impact of Myocardial Disease Duration and Left Ventricular Ejection Fraction. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 8,	5.1	5
88	Regional differences in exercise training implementation in heart failure: findings from the Exercise Training in Heart Failure (EXTraHF) survey. <i>European Journal of Heart Failure</i> , <b>2019</b> , 21, 1142-1148	12.3	5
87	Exertional Periodic Breathing in Heart Failure: Mechanisms and Clinical Implications. <i>Clinics in Chest Medicine</i> , <b>2019</b> , 40, 449-457	5.3	5
86	Noninvasive estimation of the lactate threshold in a subject with dissociated ventilatory and pulmonary gas exchange indices: a case report. <i>Chest</i> , <b>2007</b> , 132, 1994-7	5.3	5
85	Influence of ACE-inhibition on salt-mediated worsening of pulmonary gas exchange in heart failure. <i>British Journal of Clinical Pharmacology</i> , <b>2001</b> , 51, 482-7	3.8	5
84	Immature surfactant protein-B impairs the antioxidant capacity of HDL. <i>International Journal of Cardiology</i> , <b>2019</b> , 285, 53-58	3.2	5
83	Heart failure and sleep related breathing disorders: Data from PROMISES (Progetto Multicentrico Italiano Sonno e Scompenso Cardiaco) study. <i>International Journal of Cardiology</i> , <b>2018</b> , 271, 140-145	3.2	5
82	Do rebreathing manoeuvres for non-invasive measurement of cardiac output during maximum exercise test alter the main cardiopulmonary parameters?. <i>European Journal of Preventive Cardiology</i> , <b>2019</b> , 26, 1616-1622	3.9	4
81	Sacubitril/valsartan can improve exercise performance in systolic chronic heart failure patients: a case report. <i>Current Medical Research and Opinion</i> , <b>2019</b> , 35, 3-5	2.5	4
80	Mineralocorticoid receptor antagonists for heart failure: a real-life observational study. <i>ESC Heart Failure</i> , <b>2018</b> , 5, 267-274	3.7	4
79	Heart rate during exercise: mechanisms, behavior, and therapeutic and prognostic implications in heart failure patients with reduced ejection fraction. <i>Heart Failure Reviews</i> , <b>2018</b> , 23, 537-545	5	4
78	Upward Shift and Steepening of the Blood Pressure Response to Exercise in Hypertensive Subjects at High Altitude. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7,	6	4
77	Continuous ultrafiltration in acute decompensated heart failure: current issues and future directions. <i>American Journal of Cardiovascular Drugs</i> , <b>2015</b> , 15, 103-12	4	4
76	Matrix metalloproteinase and heart failure: is it time to move from research to clinical laboratories?. <i>European Heart Journal</i> , <b>2007</b> , 28, 659-60	9.5	4
75	Evolving Role of Cardiopulmonary Exercise Testing in Heart Failure and Cardiac Transplantation <b>2002</b> , 32, 99-108		4



74	Prognostic impact of admission high-sensitivity C-reactive protein in acute myocardial infarction patients with and without diabetes mellitus. <i>Cardiovascular Diabetology</i> , <b>2020</b> , 19, 183	8.7	4
73	Risk stratification in cardiomyopathy. <i>European Journal of Preventive Cardiology</i> , <b>2020</b> , 27, 52-58	3.9	4
72	How Patients With Heart Failure Perform Daily Life Activities: An Innate Energy-Saving Strategy. <i>Circulation: Heart Failure</i> , <b>2020</b> , 13, e007503	7.6	4
71	Implications of atrial fibrillation on the clinical course and outcomes of hospitalized COVID-19 patients: results of the Cardio-COVID-Italy multicentre study. <i>Europace</i> , <b>2021</b> , 23, 1603-1611	3.9	4
70	Post-discharge arrhythmic risk stratification of patients with acute myocarditis and life-threatening ventricular tachyarrhythmias. <i>European Journal of Heart Failure</i> , <b>2021</b> ,	12.3	4
69	Prognostic role of transferrin saturation in heart failure patients. <i>European Journal of Preventive Cardiology</i> , <b>2021</b> ,	3.9	4
68	ACE-Inhibition Benefit on Lung Function in Heart Failure is Modulated by ACE Insertion/Deletion Polymorphism. <i>Cardiovascular Drugs and Therapy</i> , <b>2016</b> , 30, 159-68	3.9	3
67	Recent myocardial infarction patients present ventilatory limitation during aerobic exercise. <i>International Journal of Cardiology</i> , <b>2012</b> , 161, 180-1	3.2	3
66	Cardiopulmonary exercise testing in syndrome X. <i>American Heart Journal</i> , <b>1993</b> , 125, 711-7	4.9	3
65	Long-term use of K-strophanthin in advanced congestive heart failure due to dilated cardiomyopathy: a double-blind crossover evaluation versus digoxin. <i>Clinical Cardiology</i> , <b>1994</b> , 17, 536-41 <sup>3</sup>	3.3	3
64	Combined Role of Troponin and Natriuretic Peptides Measurements in Patients With Covid-19 (from the Cardio-COVID-Italy Multicenter Study).. <i>American Journal of Cardiology</i> , <b>2022</b> ,	3	3
63	Effects of left ventricular assist device on cardiopulmonary exercise performance. <i>European Journal of Heart Failure</i> , <b>2020</b> , 22, 381-382	12.3	3
62	Sacubitril/valsartan use in a real-world population of patients with heart failure and reduced ejection fraction. <i>Journal of Cardiovascular Medicine</i> , <b>2020</b> , 21, 882-888	1.9	3
61	Non-invasive estimation of stroke volume during exercise from oxygen in heart failure patients. <i>European Journal of Preventive Cardiology</i> , <b>2020</b> , 2047487320920755	3.9	3
60	Multiplexed MRM-Based Proteomics Identified Multiple Biomarkers of Disease Severity in Human Heart Failure. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
59	Adequacy of Therapy for People with Both COPD and Heart Failure in the UK: Historical Cohort Study. <i>Journal of Pragmatic and Observational Research</i> , <b>2020</b> , 11, 55-66	7.4	2
58	Effects of β <sub>2</sub> receptor stimulation by indacaterol in chronic heart failure treated with selective or non-selective β <sub>1</sub> blockers: a randomized trial. <i>Scientific Reports</i> , <b>2020</b> , 10, 7101	4.9	2
57	Left atrium and pulmonary vein imaging using sub-millisiviert cardiac computed tomography: Impact on radiofrequency catheter ablation cumulative radiation exposure and outcome in atrial fibrillation patients. <i>International Journal of Cardiology</i> , <b>2017</b> , 228, 805-811	3.2	2

56	Extracorporeal fluid removal in heart failure patients. <i>Contributions To Nephrology</i> , <b>2010</b> , 164, 173-198	1.6	2
55	Influence of ACE Inhibition on Fluid Metabolism in Chronic Heart Failure and Its Pathophysiologic Relevance. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , <b>1996</b> , 1, 279-286	2.6	2
54	Comparison of cardiovascular risk factors among coronary artery bypass graft patients in 2010 and 2016: A single-center study in Guilan province, Iran. <i>ARYA Atherosclerosis</i> , <b>2018</b> , 14, 205-211	0.7	2
53	Cardiovascular Death Risk in Recovered Mid-Range Ejection Fraction Heart Failure: Insights From Cardiopulmonary Exercise Test. <i>Journal of Cardiac Failure</i> , <b>2020</b> , 26, 932-943	3.3	2
52	Rationale, experimental data, and emerging clinical evidence on early and preventive use of levosimendan in patients with ventricular dysfunction. <i>European Heart Journal - Cardiovascular Pharmacotherapy</i> , <b>2020</b> , 6, 310-316	6.4	2
51	The MECKI score initiative: Development and state of the art. <i>European Journal of Preventive Cardiology</i> , <b>2020</b> , 27, 5-11	3.9	2
50	Validation of a new wearable device for type 3 sleep test without flowmeter. <i>PLoS ONE</i> , <b>2021</b> , 16, e0249470	3.7	2
49	Disentangling the Association of Hydroxychloroquine Treatment with Mortality in Covid-19 Hospitalized Patients through Hierarchical Clustering. <i>Journal of Healthcare Engineering</i> , <b>2021</b> , 2021, 5556207	3.7	2
48	Delayed Anaerobic Threshold in Heart Failure Patients With Atrial Fibrillation. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> , <b>2016</b> , 36, 174-9	3.6	2
47	Exercise capacity is not impaired after acute alcohol ingestion: a pilot study. <i>Journal of Cardiovascular Medicine</i> , <b>2016</b> , 17, 896-901	1.9	2
46	Incremental utility of prognostic variables at discharge for risk prediction in hospitalized patients with acutely decompensated chronic heart failure. <i>Heart and Lung: Journal of Acute and Critical Care</i> , <b>2016</b> , 45, 212-9	2.6	2
45	Minute ventilation/carbon dioxide production in chronic heart failure. <i>European Respiratory Review</i> , <b>2021</b> , 30,	9.8	2
44	In-Depth AGE and ALE Profiling of Human Albumin in Heart Failure: Ex Vivo Studies. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	2
43	Brisk walking can be a maximal effort in heart failure patients: a comparison of cardiopulmonary exercise and 6min walking test cardiorespiratory data.. <i>ESC Heart Failure</i> , <b>2021</b> ,	3.7	2
42	Left ventricular function and exercise performance in idiopathic dilated cardiomyopathy: role of tissue Doppler imaging. <i>Journal of Cardiovascular Medicine</i> , <b>2017</b> , 18, 230-236	1.9	1
41	Exertional Oscillatory Ventilation and Central Sleep Apnea in Heart Failure: Siblings, Cousins, or What Else? <b>2017</b> , 183-202		1
40	Ultrafiltration for congestive heart failure: the past and the present. <i>Current Opinion in Cardiology</i> , <b>2015</b> , 30, 186-191	2.1	1
39	Chemoreceptor hyperactivity in heart failure: Is lactate the culprit?. <i>European Journal of Preventive Cardiology</i> , <b>2021</b> , 28, e8-e10	3.9	1

38	Variability in pulmonary diffusing capacity in heart failure. <i>Respiratory Physiology and Neurobiology</i> , <b>2020</b> , 280, 103473	2.8	1
37	A new pathophysiology in heart failure patients. <i>Artificial Organs</i> , <b>2020</b> , 44, 1303-1305	2.6	1
36	2D speckle tracking echocardiography of the right ventricle free wall in SCUBA divers after single open sea dive. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2018</b> , 45, 234-240	3	1
35	Natriuretic peptide B plasma concentration increases in the first 12 h of pulmonary edema recovery. <i>European Journal of Internal Medicine</i> , <b>2018</b> , 53, 52-56	3.9	1
34	ST2 and B-type natriuretic peptide kinetics during exercise in severe heart failure. <i>European Journal of Heart Failure</i> , <b>2018</b> , 20, 1494-1495	12.3	1
33	The Wrong Drug That Led to the Right Diagnosis. <i>Circulation</i> , <b>2019</b> , 140, 1601-1604	16.7	1
32	Cardiopulmonary Exercise Testing. <i>Annals of the American Thoracic Society</i> , <b>2017</b> , 14, S1-S2	4.7	1
31	Effects of carvedilol on oxygen uptake and heart rate kinetics in patients with chronic heart failure at simulated altitude. <i>European Journal of Preventive Cardiology</i> , <b>2012</b> , 19, 444-51	3.9	1
30	Systemic to pulmonary bronchial blood flow in mitral stenosis. <i>Chest</i> , <b>1991</b> , 99, 642-5	5.3	1
29	Vagal cooling and positive end-expiratory pressure reduce systemic to pulmonary bronchial blood flow in dogs. <i>Respiration</i> , <b>1990</b> , 57, 85-9	3.7	1
28	Patterns of cardiopulmonary response to exercise in cardiac diseases146-159		1
27	Exercise training effects on metabolic and ventilatory changes in heart failure patients with exercise oscillatory ventilation: systematic review and meta-analysis. <i>European Journal of Preventive Cardiology</i> , <b>2021</b> ,	3.9	1
26	Comparison between PtCO and PaCO and Derived Parameters in Heart Failure Patients during Exercise: A Preliminary Study. <i>Sensors</i> , <b>2021</b> , 21,	3.8	1
25	Feasibility of remote home monitoring with a T-shirt wearable device in post-recovery COVID-19 patients. <i>Journal of Cardiovascular Medicine</i> , <b>2021</b> , 22, 860-863	1.9	1
24	Rest and exercise oxygen uptake and cardiac output changes 6 months after successful transcatheter mitral valve repair. <i>ESC Heart Failure</i> , <b>2021</b> ,	3.7	1
23	Exercise oxygen pulse kinetics in patients with hypertrophic cardiomyopathy.. <i>Heart</i> , <b>2022</b> ,	5.1	1
22	Diving and pulmonary physiology: Surfactant binding protein, lung fluid and cardiopulmonary test changes in professional divers. <i>Respiratory Physiology and Neurobiology</i> , <b>2017</b> , 243, 27-31	2.8	0
21	Does PAP/CO Ratio Have a Linear Relationship?. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 75, 2646	15.1	0

20	Relationship between ventilatory pattern and peak VO and area M regulates the respiratory system during exercise. <i>Journal of Cardiology</i> , <b>2020</b> , 76, 521-528	3	o
19	The Impact of Cardiac Rehabilitation on Activities of Daily Life in Elderly Patients With Heart Failure.. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 785501	4.6	o
18	Roles of periodic breathing and isocapnic buffering period during exercise in heart failure. <i>European Journal of Preventive Cardiology</i> , <b>2020</b> , 27, 19-26	3.9	o
17	The MECKI score initiative: a successful and ongoing story. <i>European Journal of Preventive Cardiology</i> , <b>2020</b> , 27, 3-4	3.9	o
16	Exercise Dynamic of Patients with Chronic Heart Failure and Reduced Ejection Fraction. <i>Current Cardiology Reports</i> , <b>2021</b> , 23, 92	4.2	o
15	Prediction of peak oxygen uptake by an endurance test: A wish and a nightmare. <i>European Journal of Preventive Cardiology</i> , <b>2020</b> , 27, 2042-2044	3.9	o
14	Cardiac output changes during exercise in heart failure patients: focus on mid-exercise. <i>ESC Heart Failure</i> , <b>2021</b> , 8, 55-62	3.7	o
13	Prognostic Value of Peak Oxygen Uptake in Patients Supported With Left Ventricular Assist Devices (PRO-VAD). <i>JACC: Heart Failure</i> , <b>2021</b> , 9, 758-767	7.9	o
12	Sensitivity and specificity of different exercise oscillatory ventilation definitions to predict 2-year major adverse cardiovascular outcomes in chronic heart failure patients. <i>International Journal of Cardiology</i> , <b>2022</b> , 360, 39-43	3.2	o
11	Reply to commentary on: confusion in reporting pulmonary diffusion capacity for nitric oxide and the alveolar-capillary membrane conductance for nitric oxide. <i>European Journal of Preventive Cardiology</i> , <b>2015</b> , 22, 314-6	3.9	
10	Lung function evaluation in heart failure: possible pitfalls. <i>Breathe</i> , <b>2020</b> , 16, 190316	1.8	
9	Why do left ventricular assist device recipients remain heart failure patients? Reply. <i>European Journal of Heart Failure</i> , <b>2020</b> , 22, 1055	12.3	
8	Exercise-induced cardiac constraint by the lungs. <i>Respiratory Medicine CME</i> , <b>2009</b> , 2, 33-35		
7	Beyond the ventilation—a reply to the letter to the editor of A. M. Ferrazza and P. Palange. <i>European Journal of Applied Physiology</i> , <b>2009</b> , 105, 979-980	3.4	
6	Ineffectiveness of angiotensin converting enzyme inhibition (enalapril) on overt and silent myocardial ischemia in vasospastic angina and comparison with verapamil. <i>Clinical Pharmacology and Therapeutics</i> , <b>1996</b> , 59, 476-81	6.1	
5	Hemodynamic response to oral prenalterol in dilated decompensated cardiomyopathy as a result of cardiac and vascular effects. <i>Angiology</i> , <b>1985</b> , 36, 857-66	2.1	
4	Prognostic implications of heart failure with preserved ejection fraction in patients with an exacerbation of chronic obstructive pulmonary disease. <i>Internal and Emergency Medicine</i> , <b>2016</b> , 11, 517-8	3.7	
3	Week to week variability of pulmonary capillary blood volume and alveolar membrane diffusing capacity in patients with heart failure. <i>Respiratory Physiology and Neurobiology</i> , <b>2021</b> , 290, 103679	2.8	

- 2 Listing Criteria for Heart Transplant: Role of Cardiopulmonary Exercise Test and of Prognostic Scores. *Heart Failure Clinics*, **2021**, 17, 635-646 33
- 1 Pulmonary hemodynamic and tidal volume changes during exercise in heart failure. *Italian Heart Journal: Official Journal of the Italian Federation of Cardiology*, **2002**, 3, 104-8