List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Thirty years of the heart as an endocrine organ: physiological role and clinical utility of cardiac natriuretic hormones. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H12-H20.	3.2	165
2	Oxidative stress and inflammation in the evolution of heart failure: From pathophysiology to therapeutic strategies. European Journal of Preventive Cardiology, 2020, 27, 494-510.	1.8	142
3	Multiparametric Echocardiography Scores for the Diagnosis of CardiacÂAmyloidosis. JACC: Cardiovascular Imaging, 2020, 13, 909-920.	5.3	136
4	Combined Increased Chemosensitivity to Hypoxia and Hypercapnia as a Prognosticator in Heart Failure. Journal of the American College of Cardiology, 2009, 53, 1975-1980.	2.8	131
5	Treatment of cardiac transthyretin amyloidosis: an update. European Heart Journal, 2019, 40, 3699-3706.	2.2	121
6	The paradox of low BNP levels in obesity. Heart Failure Reviews, 2012, 17, 81-96.	3.9	119
7	Clinical significance of chemosensitivity in chronic heart failure: influence on neurohormonal derangement, Cheyne–Stokes respiration and arrhythmias. Clinical Science, 2008, 114, 489-497.	4.3	98
8	Measurement of circulating concentrations of cardiac troponin I and T in healthy subjects: a tool for monitoring myocardial tissue renewal?. Clinical Chemistry and Laboratory Medicine, 2009, 47, 1167-77.	2.3	80
9	Permanent atrial fibrillation affects exercise capacity in chronic heart failure patients. European Heart Journal, 2008, 29, 2367-2372.	2.2	73
10	Comparison of Brain Natriuretic Peptide (BNP) and Amino-Terminal ProBNP for Early Diagnosis of Heart Failure. Clinical Chemistry, 2007, 53, 1289-1297.	3.2	71
11	COVID-19 and risk of pulmonary fibrosis: the importance of planning ahead. European Journal of Preventive Cardiology, 2020, 27, 1442-1446.	1.8	69
12	Risk factors and prognostic value of daytime Cheyne–Stokes respiration in chronic heart failure patients. International Journal of Cardiology, 2009, 137, 47-53.	1.7	63
13	Noncardiac Versus Cardiac Mortality in Heart Failure With Preserved, Midrange, and Reduced Ejection Fraction. Journal of the American Heart Association, 2019, 8, e013441.	3.7	62
14	Prognostic Value of Plasma Renin Activity in Heart Failure. American Journal of Cardiology, 2011, 108, 246-251.	1.6	61
15	Galectin-3 and myocardial fibrosis in nonischemic dilated cardiomyopathy. International Journal of Cardiology, 2015, 184, 96-100.	1.7	60
16	Sympathetic and renin-angiotensin-aldosterone system activation in heart failure with preserved, mid-range and reduced ejection fraction. International Journal of Cardiology, 2019, 296, 91-97.	1.7	60
17	Effect of Acetazolamide on Chemosensitivity, Cheyne-Stokes Respiration, and Response to Effort in Patients With Heart Failure. American Journal of Cardiology, 2011, 107, 1675-1680.	1.6	51
18	Prognostic Significance of Central Apneas Throughout a 24-Hour Period in PatientsÂWith Heart Failure. Journal of the American College of Cardiology, 2017, 70, 1351-1364.	2.8	51

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19	Chapter 1 High-Sensitivity Troponin. Advances in Clinical Chemistry, 2009, , 1-30.	3.7	47
20	Real-Time Dynamic Carbon Dioxide Administration. Journal of the American College of Cardiology, 2010, 56, 1832-1837.	2.8	45
21	Cheyne–Stokes Respiration, Chemoreflex, and Ticagrelor-Related Dyspnea. New England Journal of Medicine, 2016, 375, 1004-1006.	27.0	36
22	Do Optimal Prognostic Thresholds in Continuous Physiological Variables Really Exist? Analysis of Origin of Apparent Thresholds, with Systematic Review for Peak Oxygen Consumption, Ejection Fraction and BNP. PLoS ONE, 2014, 9, e81699.	2.5	35
23	Energy Metabolism in the Normal and in the Diabetic Heart. Current Pharmaceutical Design, 2009, 15, 836-840.	1.9	34
24	Cardioprotection by remote ischemic conditioning: Mechanisms and clinical evidences. World Journal of Cardiology, 2015, 7, 621.	1.5	31
25	Upright Cheyne-Stokes Respiration in Patients With HeartÂFailure. Journal of the American College of Cardiology, 2020, 75, 2934-2946.	2.8	31
26	Effect of Sex on Reverse Remodeling in Chronic Systolic Heart Failure. JACC: Heart Failure, 2017, 5, 735-742.	4.1	30
27	The ergoreflex: how the skeletal muscle modulates ventilation and cardiovascular function in health and disease. European Journal of Heart Failure, 2021, 23, 1458-1467.	7.1	29
28	Contribution of the Lung to the Genesis of Cheyneâ€Stokes Respiration in Heart Failure: Plant Gain Beyond Chemoreflex Gain and Circulation Time. Journal of the American Heart Association, 2019, 8, e012419.	3.7	28
29	Benefit of buspirone on chemoreflex and central apnoeas in heart failure: a randomized controlled crossover trial. European Journal of Heart Failure, 2021, 23, 312-320.	7.1	28
30	NT-proBNP prognostic value is maintained in elderly and very elderly patients with chronic systolic heart failure. International Journal of Cardiology, 2018, 271, 324-330.	1.7	27
31	The analysis of left atrial function predicts the severity of functional impairment in chronic heart failure: The FLASH multicenter study. International Journal of Cardiology, 2019, 286, 87-91.	1.7	27
32	Central and Obstructive Apneas in Heart Failure With Reduced, Mid-Range and Preserved Ejection Fraction. Frontiers in Cardiovascular Medicine, 2019, 6, 125.	2.4	25
33	Clinical relevance of non-cardiac determinants of natriuretic peptide levels. Clinical Chemistry and Laboratory Medicine, 2008, 46, 1515-23.	2.3	24
34	Influence of central apneas and chemoreflex activation on pulmonary artery pressure in chronic heart failure. International Journal of Cardiology, 2016, 202, 200-206.	1.7	24
35	A simple echocardiographic score to rule out cardiac amyloidosis. European Journal of Clinical Investigation, 2021, 51, e13449.	3.4	24
36	A novel echocardiographic method for estimation of pulmonary artery wedge pressure and pulmonary vascular resistance. ESC Heart Failure, 2021, 8, 1216-1229.	3.1	22

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37	Current and emerging drug targets in heart failure treatment. Heart Failure Reviews, 2022, 27, 1119-1136.	3.9	22
38	Cheyne-Stokes respiration related oscillations in cardiopulmonary hemodynamics in patients with heart failure. International Journal of Cardiology, 2019, 289, 76-82.	1.7	21
39	Body mass index and outcomes in ischaemic versus non-ischaemic heart failure across the spectrum of ejection fraction. European Journal of Preventive Cardiology, 2020, , 204748732092761.	1.8	21
40	NT-proBNP for Risk Prediction in HeartÂFailure. JACC: Heart Failure, 2021, 9, 653-663.	4.1	20
41	Autonomic, functional, skeletal muscle, and cardiac abnormalities are associated with increased ergoreflex sensitivity in mitochondrial disease. European Journal of Heart Failure, 2017, 19, 1701-1709.	7.1	18
42	Analysis of generic coupling between EEG activity and PETCO2 in free breathing and breath-hold tasks using Maximal Information Coefficient (MIC). Scientific Reports, 2018, 8, 4492.	3.3	18
43	Multi-chamber speckle tracking imaging and diagnostic value of left atrial strain in cardiac amyloidosis. European Heart Journal Cardiovascular Imaging, 2022, 24, 130-141.	1.2	18
44	When the heart is burning: Amino-terminal pro-brain natriuretic peptide as an early marker of cardiac involvement in active autoimmune rheumatic disease. International Journal of Cardiology, 2011, 148, 161-167.	1.7	17
45	Chemoreflex and Baroreflex Sensitivity Hold a Strong Prognostic Value in Chronic HeartÂFailure. JACC: Heart Failure, 2022, 10, 662-676.	4.1	17
46	Epidemiological and clinical boundaries of heart failure with preserved ejection fraction. European Journal of Preventive Cardiology, 2022, 29, 1233-1243.	1.8	16
47	Molecular Autopsy of Sudden Cardiac Death in the Genomics Era. Diagnostics, 2021, 11, 1378.	2.6	16
48	Targeting Mitochondrial Dysfunction in Chronic Heart Failure: Current Evidence and Potential Approaches. Current Pharmaceutical Design, 2016, 22, 4807-4822.	1.9	16
49	After the SERVE-HF Trial, Is There Still a Need for Treatment of Central Apnea?. Journal of Cardiac Failure, 2015, 21, 903-905.	1.7	15
50	Inspiratory muscle dysfunction and restrictive lung function impairment in congenital heart disease: Association with immune inflammatory response and exercise intolerance. International Journal of Cardiology, 2020, 318, 45-51.	1.7	15
51	Sleep-Disordered Breathing and Nocturnal Hypoxemia in Precapillary Pulmonary Hypertension: Prevalence, Pathophysiological Determinants, and Clinical Consequences. Respiration, 2021, 100, 865-876.	2.6	15
52	Circulating levels and prognostic cutâ€offs of sST2, hsâ€cTnT, and NTâ€proBNP in women vs. men with chronic heart failure. ESC Heart Failure, 2022, 9, 2084-2095.	3.1	15
53	The extent and location of late gadolinium enhancement predict defibrillator shock and cardiac mortality in patients with non-ischaemic dilated cardiomyopathy. International Journal of Cardiology, 2020, 307, 180-186.	1.7	14
54	Central apnoeas and ticagrelor-related dyspnoea in patients with acute coronary syndrome. European Heart Journal - Cardiovascular Pharmacotherapy, 2021, 7, 180-188.	3.0	14

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55	Sacubitril–valsartan treatment is associated with decrease in central apneas in patients with heart failure with reduced ejection fraction. International Journal of Cardiology, 2021, 330, 112-119.	1.7	14
56	A simple method for measuring baroreflex sensitivity holds prognostic value in heart failure. International Journal of Cardiology, 2013, 169, e9-e11.	1.7	12
57	Management of complications of cardiac amyloidosis: 10 questions and answers. European Journal of Preventive Cardiology, 2021, 28, 1000-1005.	1.8	12
58	Healthy hearts at hectic pace: From daily life stress to abnormal cardiomyocyte function and arrhythmias. European Journal of Preventive Cardiology, 2018, 25, 1419-1430.	1.8	11
59	Prognostic value of reverse remodelling criteria in heart failure with reduced or midâ€range ejection fraction. ESC Heart Failure, 2021, 8, 3014-3025.	3.1	11
60	A Cross-Correlational Analysis between Electroencephalographic and End-Tidal Carbon Dioxide Signals: Methodological Issues in the Presence of Missing Data and Real Data Results. Sensors, 2016, 16, 1828.	3.8	10
61	Statin intolerance in heterozygous familial hypercolesterolemia with cardiovascular disease: After PCSK-9 antibodies what else?. European Journal of Preventive Cardiology, 2017, 24, 1528-1531.	1.8	10
62	APAP therapy does not improve impaired sleep quality and sympatho-vagal balance: a randomized trial in patients with obstructive sleep apnea and systolic heart failure. Sleep and Breathing, 2020, 24, 211-219.	1.7	10
63	Adaptive servo-ventilation therapy does not favourably alter sympatho-vagal balance in sleeping patients with systolic heart failure and central apnoeas: Preliminary data. International Journal of Cardiology, 2020, 315, 59-66.	1.7	10
64	Novel Use of Cardiac Pacemakers in Heart Failure to Dynamically Manipulate the Respiratory System Through Algorithmic Changes in Cardiac Output. Circulation: Heart Failure, 2009, 2, 166-174.	3.9	9
65	Abnormal hyperventilation in patients with hepatic cirrhosis: Role of enhanced chemosensitivity to carbon dioxide. International Journal of Cardiology, 2012, 154, 22-26.	1.7	9
66	Diaphragm Involvement in Heart Failure: Mere Consequence of Hypoperfusion or Mediated by HF-Related Pro-inflammatory Cytokine Storms?. Frontiers in Physiology, 2019, 10, 1335.	2.8	9
67	Heart Failure Results in Inspiratory Muscle Dysfunction Irrespective of Left Ventricular Ejection Fraction. Respiration, 2021, 100, 96-108.	2.6	9
68	Subclinical cardiac damage in cancer patients before chemotherapy. Heart Failure Reviews, 2022, 27, 1091-1104.	3.9	9
69	High-sensitivity troponin: a new tool for pathophysiological investigation and clinical practice. Advances in Clinical Chemistry, 2009, 49, 1-30.	3.7	9
70	Automatic analysis of EEG pattern during sleep in Cheyne-Stokes respiration in heart failure. Sleep Medicine, 2011, 12, 529-530.	1.6	8
71	Reversal of Ticagrelor-Induced Arrhythmias and Cheyne–Stokes Respiration With Aminophylline Infusion. Journal of Cardiovascular Pharmacology, 2017, 70, 290-292.	1.9	8
72	Diaphragm function does not independently predict exercise intolerance in patients with precapillary pulmonary hypertension after adjustment for right ventricular function. Bioscience Reports, 2019, 39, .	2.4	8

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73	Impact of Simulated Hyperventilation and Periodic Breathing on Sympatho-Vagal Balance and Hemodynamics in Patients with and without Heart Failure. Respiration, 2019, 98, 482-494.	2.6	8
74	Assessment of Phasic Changes of Vascular Size by Automated Edge Tracking-State of the Art and Clinical Perspectives. Frontiers in Cardiovascular Medicine, 2021, 8, 775635.	2.4	8
75	B-type natriuretic peptide secretion following scuba diving. Biomarkers in Medicine, 2011, 5, 205-209.	1.4	7
76	Prediction of the Chemoreflex Gain by Common Clinical Variables in Heart Failure. PLoS ONE, 2016, 11, e0153510.	2.5	7
77	Central Apneas Are More Detrimental in Female Than in Male Patients With Heart Failure. Journal of the American Heart Association, 2022, 11, e024103.	3.7	7
78	Speckle tracking echocardiography in heart failure development and progression in patients with apneas. Heart Failure Reviews, 2022, 27, 1869-1881.	3.9	7
79	Will high-sensitive troponin immunoassays lead to more clarity or confusion in clinical practice?. Clinical Science, 2010, 119, 203-205.	4.3	6
80	Neurohormonal modulation for treatment of cardiac involvement in dystrophinopathies and mitochondrial disease. European Journal of Preventive Cardiology, 2017, 24, 1718-1724.	1.8	6
81	Wet is bad: Residual congestion predicts worse prognosis in acute heart failure. International Journal of Cardiology, 2018, 258, 201-202.	1.7	6
82	Unveiling a sudden unexplained death case by whole exome sequencing and bioinformatic analysis. Molecular Genetics & Genomic Medicine, 2020, 8, e1182.	1.2	6
83	Ld-EEG Effective Brain Connectivity in Patients With Cheyne-Stokes Respiration. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1216-1225.	4.9	6
84	Echocardiographic Biventricular Coupling Index to Predict Precapillary Pulmonary Hypertension. Journal of the American Society of Echocardiography, 2022, 35, 715-726.	2.8	6
85	Sympathetic and Vagal Nerve Activity in COPD: Pathophysiology, Presumed Determinants and Underappreciated Therapeutic Potential. Frontiers in Physiology, 0, 13, .	2.8	6
86	Reduced Confounding by Impaired Ventilatory Function With Oxygen Uptake Efficiency Slope and VE/VCO ₂ Slope Rather Than Peak Oxygen Consumption to Assess Exercise Physiology in Suspected Heart Failure. Congestive Heart Failure, 2010, 16, 259-264.	2.0	5
87	Treating chemoreflex in heart failure: modulation or demolition?. Journal of Physiology, 2014, 592, 1903-1904.	2.9	5
88	Validity of transit time–based blood pressure measurements in patients with and without heart failure or pulmonary arterial hypertension across different breathing maneuvers. Sleep and Breathing, 2020, 24, 221-230.	1.7	5
89	Troponin in Non-ischaemic Dilated Cardiomyopathy. European Cardiology Review, 2011, 7, 220.	2.2	5
90	Peripheral reflex feedbacks in chronic heart failure: Is it time for a direct treatment?. World Journal of Cardiology, 2015, 7, 824.	1.5	5

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91	Inferior Vena Cava Edge Tracking Echocardiography: A Promising Tool with Applications in Multiple Clinical Settings. Diagnostics, 2022, 12, 427.	2.6	5
92	Novel cardiac pacemaker-based human model of periodic breathing to develop real-time, pre-emptive technology for carbon dioxide stabilisation. Open Heart, 2014, 1, e000055.	2.3	4
93	Myocardial damage in a mitochondrial myopathy patient with increased ergoreceptor sensitivity and sympatho-vagal imbalance. International Journal of Cardiology, 2014, 176, 1396-1398.	1.7	4
94	Correlational analysis of electroencephalographic and end-tidal carbon dioxide signals during breath-hold exercise. , 2015, 2015, 6102-5.		4
95	Glycosylated haemoglobin is associated with neurohormonal activation and poor outcome in chronic heart failure patients with mild left ventricular systolic dysfunction. Journal of Cardiovascular Medicine, 2015, 16, 423-430.	1.5	4
96	How to take arms against central apneas in heart failure. Expert Review of Cardiovascular Therapy, 2017, 15, 743-755.	1.5	4
97	Effects of central apneas on sympathovagal balance and hemodynamics at night: impact of underlying systolic heart failure. Sleep and Breathing, 2021, 25, 965-977.	1.7	4
98	Bioelectronic medicine and itâ \in ${}^{\mathrm{M}}$ s applications in cardiology. European Heart Journal, O, , .	2.2	4
99	Pathophysiology of Central Apneas in Heart Failure. , 2017, , 91-123.		3
100	Longer sleep duration and poor sleep quality as risk factors for hyperlipidaemia. European Journal of Preventive Cardiology, 2019, 26, 1285-1287.	1.8	3
101	Renin profiling predicts neurohormonal response to sacubitril/valsartan. ESC Heart Failure, 2021, 8, 719-724.	3.1	3
102	Non-Invasive Estimation of Right Atrial Pressure Using a Semi-Automated Echocardiographic Tool for Inferior Vena Cava Edge-Tracking. Journal of Clinical Medicine, 2022, 11, 3257.	2.4	3
103	Breathless Heart. Journal of the American College of Cardiology, 2013, 61, 1167-1168.	2.8	2
104	Improved survival in limited scleroderma-related pulmonary artery hypertension. Internal and Emergency Medicine, 2014, 9, 385-396.	2.0	2
105	Effects of nasal high flow on sympathovagal balance, sleep, and sleep-related breathing in patients with precapillary pulmonary hypertension. Sleep and Breathing, 2021, 25, 705-717.	1.7	2
106	In Vivo Murine Models of Cardiotoxicity Due to Anticancer Drugs: Challenges and Opportunities for Clinical Translation. Journal of Cardiovascular Translational Research, 2022, , 1.	2.4	2
107	Exploratory analysis of nonlinear coupling between EEG global field power and end-tidal carbon dioxide in free breathing and breath-hold tasks. , 2016, 2016, 728-731.		1
108	Underprescription of disease-modifying drugs in chronic heart failure: More is better?. International Journal of Cardiology, 2018, 254, 242-243.	1.7	1

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109	Noncardiovascular death after acute heart failure. Do not lose the war while fighting for the failing heart. International Journal of Cardiology, 2018, 250, 231-232.	1.7	1
110	Arterial hypertension and the turbulent ageing of the aortic valve. European Heart Journal, 2018, 39, 3604-3607.	2.2	1
111	On the Use of Linear-Modelling-based Algorithms for Physiological Noise Correction in fMRI Studies of the Central Breathing Control. , 2019, 2019, 808-811.		1
112	Exploring the supra linear relationship between PetCO2 and fMRI signal change with ICA. , 2019, 2019, 4795-4798.		1
113	Breath-hold task induces temporal heterogeneity in electroencephalographic regional field power in healthy subjects. Journal of Applied Physiology, 2021, 130, 298-307.	2.5	1
114	Central apneas, chemoreflex sensitivity, and buspirone in spinal cord injury: a word of caution. Journal of Applied Physiology, 2021, 130, 756-757.	2.5	1
115	Mapping dependencies of BOLD signal change to end-tidal CO2: Linear and nonlinear modeling, and effect of physiological noise correction. Journal of Neuroscience Methods, 2021, 362, 109317.	2.5	1
116	Response to the Letter: Sleep-Disordered Breathing in Precapillary Pulmonary Hypertension: Is the Prevalence So High? Reference Article: Sleep-Disordered Breathing and Nocturnal Hypoxemia in Precapillary Pulmonary Hypertension: Prevalence, Pathophysiological Determinants and Clinical Consequences by Zheng Z et al., Respiration, 2022, 101, 433-435.	2.6	1
117	Hypopneas and Apneas as Physiological and Pathological Phenomena Throughout the Life Span. , 2017, , 35-90.		0
118	The Importance of Visceral Feedbacks: Focus on Chemoreceptors. , 2017, , 125-145.		0
119	To Breathe, or Not to Breathe: That Is the Question. , 2017, , 203-217.		0
120	Heart & kidney failure: Who's afraid of renin angiotensin system blockade?. International Journal of Cardiology, 2018, 266, 195-196.	1.7	0
121	Reply. Journal of the American College of Cardiology, 2020, 76, 2040-2041.	2.8	0
122	Use of hypocapnia for improved risk stratification in pulmonary arterial hypertension: should we return to respiratory pathophysiology?. International Journal of Cardiology, 2021, 329, 208.	1.7	0
123	ECHOCARDIOGRAPHIC BIVENTRICULAR COUPLING INDEX TO PREDICT PRE-CAPILLARY PULMONARY HYPERTENSION. Journal of the American College of Cardiology, 2021, 77, 1378.	2.8	0
124	Novel Drug Targets for Central Apneas in Heart Failure: On the Road. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 490-491.	5.6	0
125	Hide and seek. Ticagrelor and central apneas after acute coronary syndrome. Sleep Medicine, 2021, 86, 125.	1.6	0

Breathless Heart: Final Remarks. , 2017, , 285-287.

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127	Targeting and Treating Apneas. , 2017, , 247-270.		Ο
128	High-risk NSTEMI due to subclavian artery atherothrombosis in a prior coronary artery bypass graft patient. Journal of Cardiovascular Echography, 2019, 29, 86.	0.4	0
129	Idiopathic central sleep apnea: friend or foe of autonomic nervous system function in neurology?. , 2019, , .		0
130	Impact of voluntary periodic breathing on hemodynamics and autonomic nervous system function in patients with and without heart failure. , 2019, , .		0
131	Mask based therapy of central sleep apnea to elicit neutral effects on sympathetic nerve activity in systolic heart failure patients at night. , 2019, , .		0
132	Validity of pulse-transit-time based blood pressure measurements in patients with and without heart failure across different breathing maneuvers. , 2019, , .		0
133	Prognostic impact of diabetes in heart failure: looking back to move forward. International Journal of Cardiology, 2022, 350, 90-91.	1.7	0
134	Response to: Low molecular weight guluronate: A potential therapies for inspiratory muscle dysfunction and restrictive lung function impairment in congenital heart disease by Guiyuan He, Ruiting Zhou, Tingyuan Huang, Fanjun Zeng. International Journal of Cardiology, 2022, 363, 40.	1.7	0