

Alberto Giannoni

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113
papers

1,700
citations

23
h-index

38
g-index

143
ext. papers

2,331
ext. citations

4.6
avg, IF

4.7
L-index

#	Paper	IF	Citations
113	Thirty years of the heart as an endocrine organ: physiological role and clinical utility of cardiac natriuretic hormones. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 301, H12-20	5.2	135
112	Combined increased chemosensitivity to hypoxia and hypercapnia as a prognosticator in heart failure. <i>Journal of the American College of Cardiology</i> , 2009 , 53, 1975-80	15.1	98
111	The paradox of low BNP levels in obesity. <i>Heart Failure Reviews</i> , 2012 , 17, 81-96	5	93
110	Clinical significance of chemosensitivity in chronic heart failure: influence on neurohormonal derangement, Cheyne-Stokes respiration and arrhythmias. <i>Clinical Science</i> , 2008 , 114, 489-97	6.5	81
109	Treatment of cardiac transthyretin amyloidosis: an update. <i>European Heart Journal</i> , 2019 , 40, 3699-3706	9.5	75
108	Measurement of circulating concentrations of cardiac troponin I and T in healthy subjects: a tool for monitoring myocardial tissue renewal?. <i>Clinical Chemistry and Laboratory Medicine</i> , 2009 , 47, 1167-77	5.9	67
107	Comparison of brain natriuretic peptide (BNP) and amino-terminal ProBNP for early diagnosis of heart failure. <i>Clinical Chemistry</i> , 2007 , 53, 1289-97	5.5	64
106	Permanent atrial fibrillation affects exercise capacity in chronic heart failure patients. <i>European Heart Journal</i> , 2008 , 29, 2367-72	9.5	59
105	Oxidative stress and inflammation in the evolution of heart failure: From pathophysiology to therapeutic strategies. <i>European Journal of Preventive Cardiology</i> , 2020 , 27, 494-510	3.9	56
104	Risk factors and prognostic value of daytime Cheyne-Stokes respiration in chronic heart failure patients. <i>International Journal of Cardiology</i> , 2009 , 137, 47-53	3.2	53
103	Prognostic value of plasma renin activity in heart failure. <i>American Journal of Cardiology</i> , 2011 , 108, 246-51	5.1	47
102	Multiparametric Echocardiography Scores for the Diagnosis of Cardiac Amyloidosis. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 909-920	8.4	47
101	Galectin-3 and myocardial fibrosis in nonischemic dilated cardiomyopathy. <i>International Journal of Cardiology</i> , 2015 , 184, 96-100	3.2	44
100	Effect of acetazolamide on chemosensitivity, Cheyne-Stokes respiration, and response to effort in patients with heart failure. <i>American Journal of Cardiology</i> , 2011 , 107, 1675-80	3	42
99	COVID-19 and risk of pulmonary fibrosis: the importance of planning ahead. <i>European Journal of Preventive Cardiology</i> , 2020 , 27, 1442-1446	3.9	41
98	Real-time dynamic carbon dioxide administration: a novel treatment strategy for stabilization of periodic breathing with potential application to central sleep apnea. <i>Journal of the American College of Cardiology</i> , 2010 , 56, 1832-7	15.1	35
97	Chapter 1 High-Sensitivity Troponin. <i>Advances in Clinical Chemistry</i> , 2009 , 1-30	5.8	33

96	Prognostic Significance of Central Apneas Throughout a 24-Hour Period in Patients With Heart Failure. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 1351-1364	15.1	31
95	Sympathetic and renin-angiotensin-aldosterone system activation in heart failure with preserved, mid-range and reduced ejection fraction. <i>International Journal of Cardiology</i> , 2019 , 296, 91-97	3.2	30
94	Cardioprotection by remote ischemic conditioning: Mechanisms and clinical evidences. <i>World Journal of Cardiology</i> , 2015 , 7, 621-32	2.1	27
93	Energy metabolism in the normal and in the diabetic heart. <i>Current Pharmaceutical Design</i> , 2009 , 15, 836-40	3.3	26
92	Cheyne-Stokes Respiration, Chemoreflex, and Ticagrelor-Related Dyspnea. <i>New England Journal of Medicine</i> , 2016 , 375, 1004-6	59.2	24
91	Noncardiac Versus Cardiac Mortality in Heart Failure With Preserved, Midrange, and Reduced Ejection Fraction. <i>Journal of the American Heart Association</i> , 2019 , 8, e013441	6	23
90	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. <i>PLoS ONE</i> , 2014 , 9, e81699	3.7	19
89	Effect of Sex on Reverse Remodeling in Chronic Systolic Heart Failure. <i>JACC: Heart Failure</i> , 2017 , 5, 735-743	7.4	17
88	Influence of central apneas and chemoreflex activation on pulmonary artery pressure in chronic heart failure. <i>International Journal of Cardiology</i> , 2016 , 202, 200-6	3.2	17
87	The analysis of left atrial function predicts the severity of functional impairment in chronic heart failure: The FLASH multicenter study. <i>International Journal of Cardiology</i> , 2019 , 286, 87-91	3.2	16
86	Upright Cheyne-Stokes Respiration in Patients With Heart Failure. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 2934-2946	15.1	16
85	Clinical relevance of non-cardiac determinants of natriuretic peptide levels. <i>Clinical Chemistry and Laboratory Medicine</i> , 2008 , 46, 1515-23	5.9	16
84	Contribution of the Lung to the Genesis of Cheyne-Stokes Respiration in Heart Failure: Plant Gain Beyond Chemoreflex Gain and Circulation Time. <i>Journal of the American Heart Association</i> , 2019 , 8, e012419	6.1	14
83	Benefit of buspirone on chemoreflex and central apnoeas in heart failure: a randomized controlled crossover trial. <i>European Journal of Heart Failure</i> , 2021 , 23, 312-320	12.3	14
82	Autonomic, functional, skeletal muscle, and cardiac abnormalities are associated with increased ergoreflex sensitivity in mitochondrial disease. <i>European Journal of Heart Failure</i> , 2017 , 19, 1701-1709	12.3	13
81	When the heart is burning: amino-terminal pro-brain natriuretic peptide as an early marker of cardiac involvement in active autoimmune rheumatic disease. <i>International Journal of Cardiology</i> , 2011 , 148, 161-7	3.2	13
80	NT-proBNP prognostic value is maintained in elderly and very elderly patients with chronic systolic heart failure. <i>International Journal of Cardiology</i> , 2018 , 271, 324-330	3.2	13
79	Central and Obstructive Apneas in Heart Failure With Reduced, Mid-Range and Preserved Ejection Fraction. <i>Frontiers in Cardiovascular Medicine</i> , 2019 , 6, 125	5.4	12

78	Cheyne-Stokes respiration related oscillations in cardiopulmonary hemodynamics in patients with heart failure. <i>International Journal of Cardiology</i> , 2019 , 289, 76-82	3.2	12
77	A simple method for measuring baroreflex sensitivity holds prognostic value in heart failure. <i>International Journal of Cardiology</i> , 2013 , 169, e9-11	3.2	11
76	Targeting Mitochondrial Dysfunction in Chronic Heart Failure: Current Evidence and Potential Approaches. <i>Current Pharmaceutical Design</i> , 2016 , 22, 4807-4822	3.3	11
75	Body mass index and outcomes in ischaemic versus non-ischaemic heart failure across the spectrum of ejection fraction. <i>European Journal of Preventive Cardiology</i> , 2020 , 2047487320927610	3.9	9
74	Analysis of generic coupling between EEG activity and PCO in free breathing and breath-hold tasks using Maximal Information Coefficient (MIC). <i>Scientific Reports</i> , 2018 , 8, 4492	4.9	9
73	Adaptive servo-ventilation therapy does not favourably alter sympatho-vagal balance in sleeping patients with systolic heart failure and central apnoeas: Preliminary data. <i>International Journal of Cardiology</i> , 2020 , 315, 59-66	3.2	8
72	A novel echocardiographic method for estimation of pulmonary artery wedge pressure and pulmonary vascular resistance. <i>ESC Heart Failure</i> , 2021 , 8, 1216-1229	3.7	8
71	Healthy hearts at hectic pace: From daily life stress to abnormal cardiomyocyte function and arrhythmias. <i>European Journal of Preventive Cardiology</i> , 2018 , 25, 1419-1430	3.9	7
70	Abnormal hyperventilation in patients with hepatic cirrhosis: role of enhanced chemosensitivity to carbon dioxide. <i>International Journal of Cardiology</i> , 2012 , 154, 22-6	3.2	7
69	Automatic analysis of EEG pattern during sleep in Cheyne-Stokes respiration in heart failure. <i>Sleep Medicine</i> , 2011 , 12, 529-30	4.6	7
68	Novel use of cardiac pacemakers in heart failure to dynamically manipulate the respiratory system through algorithmic changes in cardiac output. <i>Circulation: Heart Failure</i> , 2009 , 2, 166-74	7.6	7
67	B-type natriuretic peptide secretion following scuba diving. <i>Biomarkers in Medicine</i> , 2011 , 5, 205-9	2.3	7
66	A Cross-Correlational Analysis between Electroencephalographic and End-Tidal Carbon Dioxide Signals: Methodological Issues in the Presence of Missing Data and Real Data Results. <i>Sensors</i> , 2016 , 16,	3.8	7
65	Inspiratory muscle dysfunction and restrictive lung function impairment in congenital heart disease: Association with immune inflammatory response and exercise intolerance. <i>International Journal of Cardiology</i> , 2020 , 318, 45-51	3.2	6
64	Reversal of Ticagrelor-Induced Arrhythmias and Cheyne-Stokes Respiration With Aminophylline Infusion. <i>Journal of Cardiovascular Pharmacology</i> , 2017 , 70, 290-292	3.1	6
63	Will high-sensitive troponin immunoassays lead to more clarity or confusion in clinical practice?. <i>Clinical Science</i> , 2010 , 119, 203-5	6.5	6
62	A simple echocardiographic score to rule out cardiac amyloidosis. <i>European Journal of Clinical Investigation</i> , 2021 , 51, e13449	4.6	6
61	The ergoreflex: how the skeletal muscle modulates ventilation and cardiovascular function in health and disease. <i>European Journal of Heart Failure</i> , 2021 , 23, 1458-1467	12.3	6

60	Statin intolerance in heterozygous familial hypercholesterolemia with cardiovascular disease: After PCSK-9 antibodies what else?. <i>European Journal of Preventive Cardiology</i> , 2017 , 24, 1528-1531	3.9	5
59	Impact of Simulated Hyperventilation and Periodic Breathing on Sympatho-Vagal Balance and Hemodynamics in Patients with and without Heart Failure. <i>Respiration</i> , 2019 , 98, 482-494	3.7	5
58	Diaphragm function does not independently predict exercise intolerance in patients with precapillary pulmonary hypertension after adjustment for right ventricular function. <i>Bioscience Reports</i> , 2019 , 39,	4.1	5
57	Prediction of the Chemoreflex Gain by Common Clinical Variables in Heart Failure. <i>PLoS ONE</i> , 2016 , 11, e0153510	3.7	5
56	Sacubitril-valsartan treatment is associated with decrease in central apneas in patients with heart failure with reduced ejection fraction. <i>International Journal of Cardiology</i> , 2021 , 330, 112-119	3.2	5
55	Diaphragm Involvement in Heart Failure: Mere Consequence of Hypoperfusion or Mediated by HF-Related Pro-inflammatory Cytokine Storms?. <i>Frontiers in Physiology</i> , 2019 , 10, 1335	4.6	5
54	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. <i>Sleep and Breathing</i> , 2020 , 24, 211-219	3.1	5
53	Management of complications of cardiac amyloidosis: 10 questions and answers. <i>European Journal of Preventive Cardiology</i> , 2020 , 2047487320920756	3.9	5
52	The extent and location of late gadolinium enhancement predict defibrillator shock and cardiac mortality in patients with non-ischaemic dilated cardiomyopathy. <i>International Journal of Cardiology</i> , 2020 , 307, 180-186	3.2	4
51	Correlational analysis of electroencephalographic and end-tidal carbon dioxide signals during breath-hold exercise. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 6102-5	0.9	4
50	Treating chemoreflex in heart failure: modulation or demolition?. <i>Journal of Physiology</i> , 2014 , 592, 1903-49	4.9	4
49	Troponin in Non-ischaemic Dilated Cardiomyopathy. <i>European Cardiology Review</i> , 2011 , 7, 220	3.9	4
48	Current and emerging drug targets in heart failure treatment. <i>Heart Failure Reviews</i> , 2021 , 1	5	4
47	Myocardial damage in a mitochondrial myopathy patient with increased ergoreceptor sensitivity and sympatho-vagal imbalance. <i>International Journal of Cardiology</i> , 2014 , 176, 1396-8	3.2	3
46	Glycosylated haemoglobin is associated with neurohormonal activation and poor outcome in chronic heart failure patients with mild left ventricular systolic dysfunction. <i>Journal of Cardiovascular Medicine</i> , 2015 , 16, 423-30	1.9	3
45	Novel cardiac pacemaker-based human model of periodic breathing to develop real-time, pre-emptive technology for carbon dioxide stabilisation. <i>Open Heart</i> , 2014 , 1, e000055	3	3
44	Reduced confounding by impaired ventilatory function with oxygen uptake efficiency slope and VE/VCO2 slope rather than peak oxygen consumption to assess exercise physiology in suspected heart failure. <i>Congestive Heart Failure</i> , 2010 , 16, 259-64		3
43	Assessment of Phasic Changes of Vascular Size by Automated Edge Tracking-State of the Art and Clinical Perspectives.. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 775635	5.4	3

42	Validity of transit time-based blood pressure measurements in patients with and without heart failure or pulmonary arterial hypertension across different breathing maneuvers. <i>Sleep and Breathing</i> , 2020 , 24, 221-230	3.1	3
41	Central apnoeas and ticagrelor-related dyspnoea in patients with acute coronary syndrome. <i>European Heart Journal - Cardiovascular Pharmacotherapy</i> , 2021 , 7, 180-188	6.4	3
40	Sleep-Disordered Breathing and Nocturnal Hypoxemia in Precapillary Pulmonary Hypertension: Prevalence, Pathophysiological Determinants, and Clinical Consequences. <i>Respiration</i> , 2021 , 100, 865-878	3.7	3
39	High-sensitivity troponin: a new tool for pathophysiological investigation and clinical practice. <i>Advances in Clinical Chemistry</i> , 2009 , 49, 1-30	5.8	3
38	Pathophysiology of Central Apneas in Heart Failure 2017 , 91-123		2
37	How to take arms against central apneas in heart failure. <i>Expert Review of Cardiovascular Therapy</i> , 2017 , 15, 743-755	2.5	2
36	Improved survival in limited scleroderma-related pulmonary artery hypertension. <i>Internal and Emergency Medicine</i> , 2014 , 9, 385-96	3.7	2
35	Peripheral reflex feedbacks in chronic heart failure: Is it time for a direct treatment?. <i>World Journal of Cardiology</i> , 2015 , 7, 824-8	2.1	2
34	Prognostic value of reverse remodelling criteria in heart failure with reduced or mid-range ejection fraction. <i>ESC Heart Failure</i> , 2021 , 8, 3014-3025	3.7	2
33	Effects of central apneas on sympathovagal balance and hemodynamics at night: impact of underlying systolic heart failure. <i>Sleep and Breathing</i> , 2021 , 25, 965-977	3.1	2
32	Longer sleep duration and poor sleep quality as risk factors for hyperlipidaemia. <i>European Journal of Preventive Cardiology</i> , 2019 , 26, 1285-1287	3.9	1
31	Unveiling a sudden unexplained death case by whole exome sequencing and bioinformatic analysis. <i>Molecular Genetics & Genomic Medicine</i> , 2020 , 8, e1182	2.3	1
30	Exploratory analysis of nonlinear coupling between EEG global field power and end-tidal carbon dioxide in free breathing and breath-hold tasks. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 728-731	0.9	1
29	Neurohormonal modulation for treatment of cardiac involvement in dystrophinopathies and mitochondrial disease. <i>European Journal of Preventive Cardiology</i> , 2017 , 24, 1718-1724	3.9	1
28	Heart Failure Results in Inspiratory Muscle Dysfunction Irrespective of Left Ventricular Ejection Fraction. <i>Respiration</i> , 2021 , 100, 96-108	3.7	1
27	Central apneas, chemoreflex sensitivity, and buspirone in spinal cord injury: a word of caution. <i>Journal of Applied Physiology</i> , 2021 , 130, 756-757	3.7	1
26	Epidemiological and clinical boundaries of heart failure with preserved ejection fraction. <i>European Journal of Preventive Cardiology</i> , 2021 ,	3.9	1
25	Exploring the supra linear relationship between PetCO ₂ and fMRI signal change with ICA. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 4795-4798	0.9	1

24	Ld-EEG Effective Brain Connectivity in Patients With Cheyne-Stokes Respiration. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020 , 28, 1216-1225	4.8	1
23	Renin profiling predicts neurohormonal response to sacubitril/valsartan. <i>ESC Heart Failure</i> , 2021 , 8, 719-724	3.7	1
22	Arterial hypertension and the turbulent ageing of the aortic valve. <i>European Heart Journal</i> , 2018 , 39, 3604-3607	9.5	1
21	NT-proBNP for Risk Prediction in Heart Failure: Identification of Optimal Cutoffs Across Body Mass Index Categories. <i>JACC: Heart Failure</i> , 2021 , 9, 653-663	7.9	1
20	Multi-chamber speckle tracking imaging and diagnostic value of left atrial strain in cardiac amyloidosis.. <i>European Heart Journal Cardiovascular Imaging</i> , 2022 ,	4.1	1
19	In Vivo Murine Models of Cardiotoxicity Due to Anticancer Drugs: Challenges and Opportunities for Clinical Translation.. <i>Journal of Cardiovascular Translational Research</i> , 2022 , 1	3.3	1
18	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.. <i>Respiration</i> , 2021 , 1-3	3.7	1
17	Subclinical cardiac damage in cancer patients before chemotherapy. <i>Heart Failure Reviews</i> , 2021 , 1	5	0
16	On the Use of Linear-Modelling-based Algorithms for Physiological Noise Correction in fMRI Studies of the Central Breathing Control. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 808-811	0.9	0
15	Effects of nasal high flow on sympathovagal balance, sleep, and sleep-related breathing in patients with precapillary pulmonary hypertension. <i>Sleep and Breathing</i> , 2021 , 25, 705-717	3.1	0
14	Mapping dependencies of BOLD signal change to end-tidal CO: Linear and nonlinear modeling, and effect of physiological noise correction. <i>Journal of Neuroscience Methods</i> , 2021 , 362, 109317	3	0
13	Central Apneas Are More Detrimental in Female Than in Male Patients With Heart Failure.. <i>Journal of the American Heart Association</i> , 2022 , e024103	6	0
12	Speckle tracking echocardiography in heart failure development and progression in patients with apneas. <i>Heart Failure Reviews</i> , 2021 , 1	5	0
11	Hypopneas and Apneas as Physiological and Pathological Phenomena Throughout the Life Span 2017 , 35-90		
10	The Importance of Visceral Feedbacks: Focus on Chemoreceptors 2017 , 125-145		
9	To Breathe, or Not to Breathe: That Is the Question 2017 , 203-217		
8	High-risk NSTEMI due to Subclavian Artery Atherothrombosis in a Prior Coronary Artery Bypass Graft Patient. <i>Journal of Cardiovascular Echography</i> , 2019 , 29, 86-87	0.6	
7	Breathless Heart: Final Remarks 2017 , 285-287		

6 Targeting and Treating Apneas **2017**, 247-270

- 5 Reply: Upright Cheyne-Stokes Respiration in Heart Failure: An Ominous Sign of Cardiovascular Dysregulation. *Journal of the American College of Cardiology*, **2020**, 76, 2040-2041 15.1
- 4 Use of hypocapnia for improved risk stratification in pulmonary arterial hypertension: should we return to respiratory pathophysiology?. *International Journal of Cardiology*, **2021**, 329, 208 3.2
- 3 Breath-hold task induces temporal heterogeneity in electroencephalographic regional field power in healthy subjects. *Journal of Applied Physiology*, **2021**, 130, 298-307 3.7
- 2 Novel Drug Targets for Central Apneas in Heart Failure: On the Road. *American Journal of Respiratory and Critical Care Medicine*, **2021**, 204, 490-491 10.2
- 1 Hide and seek. Ticagrelor and central apneas after acute coronary syndrome. *Sleep Medicine*, **2021**, 86, 125 4.6