

# Ana GarcÃ-a Alvarez

## List of Publications by Year in descending order

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Version: 2024-02-01

85  
papers

2,728  
citations

201674

27  
h-index

189892

50  
g-index

92  
all docs

92  
docs citations

92  
times ranked

4222  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Early Metoprolol on Infarct Size in ST-Segment Elevation Myocardial Infarction Patients Undergoing Primary Percutaneous Coronary Intervention. <i>Circulation</i> , 2013, 128, 1495-1503.	1.6	321
2	Right ventriculo-arterial coupling in pulmonary hypertension: a magnetic resonance study. <i>Heart</i> , 2012, 98, 238-243.	2.9	247
3	Myocardial Edema After Ischemia/Reperfusion Is Not Stable and Follows a Bimodal Pattern. <i>Journal of the American College of Cardiology</i> , 2015, 65, 315-323.	2.8	185
4	Long-Term Benefit of Early Pre-Reperfusion Metoprolol Administration in Patients With Acute Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2014, 63, 2356-2362.	2.8	162
5	RV Dysfunction In Pulmonary Hypertension Is Independently Related To Pulmonary Artery Stiffness. <i>JACC: Cardiovascular Imaging</i> , 2012, 5, 378-387.	5.3	131
6	Impact of the Timing of Metoprolol Administration During STEMI on Infarct Size and Ventricular Function. <i>Journal of the American College of Cardiology</i> , 2016, 67, 2093-2104.	2.8	84
7	Characterization of right ventricular remodeling and failure in a chronic pulmonary hypertension model. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H1204-H1215.	3.2	82
8	Non-invasive estimation of pulmonary vascular resistance with cardiac magnetic resonance. <i>European Heart Journal</i> , 2011, 32, 2438-2445.	2.2	79
9	Myocardial involvement in Chagas disease: Insights from cardiac magnetic resonance. <i>International Journal of Cardiology</i> , 2013, 165, 107-112.	1.7	75
10	Association of Myocardial T1-Mapping CMR With Hemodynamics and RV Performance in Pulmonary Hypertension. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 76-82.	5.3	71
11	$\beta_2$ adrenergic receptor selective stimulation during ischemia/reperfusion improves cardiac function in translational models through inhibition of mPTP opening in cardiomyocytes. <i>Basic Research in Cardiology</i> , 2014, 109, 422.	5.9	63
12	Intratracheal Gene Delivery of SERCA2a Ameliorates Chronic Post-Capillary Pulmonary Hypertension. <i>Journal of the American College of Cardiology</i> , 2016, 67, 2032-2046.	2.8	62
13	Usefulness of Cardiac Computed Tomographic Delayed Contrast Enhancement of the Left Atrial Appendage Before Pulmonary Vein Ablation. <i>American Journal of Cardiology</i> , 2012, 109, 677-684.	1.6	56
14	Influence of Comorbid Conditions on One-Year Outcomes in Non-ST-Segment Elevation Acute Coronary Syndrome. <i>Mayo Clinic Proceedings</i> , 2011, 86, 291-296.	3.0	55
15	Association of Genetic Variants With Outcomes in Patients With Nonischemic Dilated Cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2021, 78, 1682-1699.	2.8	55
16	Long-Term Effect of Cardiac Resynchronization Therapy on Functional Mitral Valve Regurgitation. <i>American Journal of Cardiology</i> , 2009, 104, 383-388.	1.6	54
17	Chagas Cardiomyopathy: The Potential of Diastolic Dysfunction and Brain Natriuretic Peptide in the Early Identification of Cardiac Damage. <i>PLoS Neglected Tropical Diseases</i> , 2010, 4, e826.	3.0	52
18	Reanalysis and reclassification of rare genetic variants associated with inherited arrhythmogenic syndromes. <i>EBioMedicine</i> , 2020, 54, 102732.	6.1	46

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19	Metabolomics Reveals Metabolite Changes in Acute Pulmonary Embolism. <i>Journal of Proteome Research</i> , 2014, 13, 805-816.	3.7	45
20	Diagnostic Value of Coronary Artery Calcium Scoring in Low-Intermediate Risk Patients Evaluated in the Emergency Department for Acute Coronary Syndrome. <i>American Journal of Cardiology</i> , 2011, 107, 17-23.	1.6	44
21	Intracoronary Administration of Allogeneic Adipose Tissue-Derived Mesenchymal Stem Cells Improves Myocardial Perfusion But Not Left Ventricle Function, in a Translational Model of Acute Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	43
22	Myocardial Deformation Analysis in Chagas Heart Disease With the Use of Speckle Tracking Echocardiography. <i>Journal of Cardiac Failure</i> , 2011, 17, 1028-1034.	1.7	42
23	Noninvasive Monitoring of Serial Changes in Pulmonary Vascular Resistance and Acute Vasodilator Testing Using Cardiac Magnetic Resonance. <i>Journal of the American College of Cardiology</i> , 2013, 62, 1621-1631.	2.8	37
24	Beta-3 adrenergic agonists reduce pulmonary vascular resistance and improve right ventricular performance in a porcine model of chronic pulmonary hypertension. <i>Basic Research in Cardiology</i> , 2016, 111, 49.	5.9	36
25	Swine Model of Chronic Postcapillary Pulmonary Hypertension with Right Ventricular Remodeling: Long-Term Characterization by Cardiac Catheterization, Magnetic Resonance, and Pathology. <i>Journal of Cardiovascular Translational Research</i> , 2014, 7, 494-506.	2.4	34
26	Bloodless reperfusion with the oxygen carrier HBOC-201 in acute myocardial infarction: a novel platform for cardioprotective probes delivery. <i>Basic Research in Cardiology</i> , 2017, 112, 17.	5.9	30
27	Relation of Plasma Brain Natriuretic Peptide Levels on Admission for ST-Elevation Myocardial Infarction to Left Ventricular End-Diastolic Volume Six Months Later Measured by Both Echocardiography and Cardiac Magnetic Resonance. <i>American Journal of Cardiology</i> , 2009, 104, 878-882.	1.6	29
28	Apical right ventricular dysfunction in patients with pulmonary hypertension demonstrated with magnetic resonance. <i>Heart</i> , 2011, 97, 1250-1256.	2.9	26
29	Early Risk Stratification of Patients With Cardiogenic Shock Complicating Acute Myocardial Infarction Who Undergo Percutaneous Coronary Intervention. <i>American Journal of Cardiology</i> , 2009, 103, 1073-1077.	1.6	25
30	New index alpha improves detection of pulmonary hypertension in comparison with other cardiac magnetic resonance indices. <i>International Journal of Cardiology</i> , 2012, 161, 25-30.	1.7	25
31	Evaluation of right ventricular function and post-operative findings using cardiac computed tomography in patients with left ventricular assist devices. <i>Journal of Heart and Lung Transplantation</i> , 2011, 30, 896-903.	0.6	24
32	Transition from post-capillary pulmonary hypertension to combined pre- and post-capillary pulmonary hypertension in swine: a key role for endothelin. <i>Journal of Physiology</i> , 2019, 597, 1157-1173.	2.9	23
33	Sudden Cardiac Death and Copy Number Variants: What Do We Know after 10 Years of Genetic Analysis?. <i>Forensic Science International: Genetics</i> , 2020, 47, 102281.	3.1	20
34	Coronary CT and the Coronary Calcium Score, the Future of ED Risk Stratification?. <i>Current Cardiology Reviews</i> , 2012, 8, 86-97.	1.5	16
35	Additional value of B-type natriuretic peptide on discrimination of patients at risk for mortality after a non-ST-segment elevation acute coronary syndrome. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2014, 3, 132-140.	1.0	16
36	Efficacy and Safety of Out-of-Hospital Intravenous Metoprolol Administration in Anterior ST-Segment Elevation Acute Myocardial Infarction: Insights From the METOCARD-CNIC Trial. <i>Annals of Emergency Medicine</i> , 2015, 65, 318-324.	0.6	16

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37	Impact of Left Ventricular Hypertrophy on Troponin Release During Acute Myocardial Infarction: New Insights From a Comprehensive Translational Study. <i>Journal of the American Heart Association</i> , 2015, 4, e001218.	3.7	16
38	Effect of pulmonary artery denervation in postcapillary pulmonary hypertension: results of a randomized controlled translational study. <i>Basic Research in Cardiology</i> , 2019, 114, 5.	5.9	16
39	Atypical cardiac manifestation of hypereosinophilic syndrome and reversible cardiotoxicity to imatinib. <i>International Journal of Cardiology</i> , 2010, 139, e29-e31.	1.7	15
40	Combination Proximal Pulmonary Artery Coiling and Distal Embolization Induces Chronic Elevations in Pulmonary Artery Pressure in Swine. <i>PLoS ONE</i> , 2015, 10, e0124526.	2.5	15
41	Rare Variants Associated with Arrhythmogenic Cardiomyopathy: Reclassification Five Years Later. <i>Journal of Personalized Medicine</i> , 2021, 11, 162.	2.5	13
42	Prevalence of Pathogenic Variants in Cardiomyopathy-Associated Genes in Myocarditis. <i>Circulation Genomic and Precision Medicine</i> , 2022, 15, 101161CIRCGEN121003408.	3.6	13
43	Exercise-induced cardio-pulmonary remodelling in endurance athletes: Not only the heart adapts. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 651-659.	1.8	12
44	Design of the $\beta$ <sup>2</sup> -Adrenergic Agonist Treatment in Chronic Pulmonary Hypertension Secondary to Heart Failure Trial. <i>JACC Basic To Translational Science</i> , 2020, 5, 317-327.	4.1	12
45	Lipid-Rich Obstructive Coronary Lesions. <i>JACC: Cardiovascular Imaging</i> , 2010, 3, 893-895.	5.3	11
46	Serial phase-contrast MRI for prediction of pulmonary hemodynamic changes in patients with pulmonary arterial hypertension. <i>International Journal of Cardiology</i> , 2012, 157, 140-142.	1.7	11
47	Hypertrophic cardiomyopathy: Sudden cardiac death risk stratification in adults. <i>Global Cardiology Science &amp; Practice</i> , 2018, 2018, 25.	0.4	11
48	Plasma-Derived Extracellular Vesicles as Potential Biomarkers in Heart Transplant Patient with Chronic Chagas Disease. <i>Emerging Infectious Diseases</i> , 2020, 26, 1846-1851.	4.3	11
49	Magnetic Resonance Characterization of Cardiac Adaptation and Myocardial Fibrosis in Pulmonary Hypertension Secondary to Systemic-To-Pulmonary Shunt. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, .	2.6	9
50	Accuracy of Area at Risk Quantification by Cardiac Magnetic Resonance According to the Myocardial Infarction Territory. <i>Revista Espanola De Cardiologia (English Ed )</i> , 2017, 70, 323-330.	0.6	9
51	Mirabegron, a Clinically Approved $\beta$ <sup>2</sup> Adrenergic Receptor Agonist, Does Not Reduce Infarct Size in a Swine Model of Reperfused Myocardial Infarction. <i>Journal of Cardiovascular Translational Research</i> , 2018, 11, 310-318.	2.4	9
52	Clinical Findings and Prognosis of Danon Disease. An Analysis of the Spanish Multicenter Danon Registry. <i>Revista Espanola De Cardiologia (English Ed )</i> , 2019, 72, 479-486.	0.6	9
53	Severe aortic regurgitation and reduced left ventricular ejection fraction: Outcomes after isolated aortic valve replacement and combined surgery. <i>Journal of Heart and Lung Transplantation</i> , 2010, 29, 445-448.	0.6	8
54	Respiratory ventricular area changes measured with real-time cardiac magnetic resonance: A new, accurate, and reproducible approach for the diagnosis of pericardial constriction. <i>International Journal of Cardiology</i> , 2013, 166, 267-271.	1.7	8

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55	New Insights in the Management of Cardiogenic Shock Complicating Myocardial Infarction: Role of Urgent Heart Transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2008, 27, 984-989.	0.6	7
56	Prevalence and severity of ventricular dysfunction in patients with HIV-related pulmonary arterial hypertension. <i>Heart and Lung: Journal of Acute and Critical Care</i> , 2014, 43, 256-261.	1.6	7
57	Coexistencia de progresi3n transmural y lateral del frente de onda en el infarto de miocardio humano. <i>Revista Espanola De Cardiologia</i> , 2021, 74, 870-877.	1.2	7
58	Randomized comparison between clinical evaluation plus N-terminal pro-B-type natriuretic peptide versus exercise testing for decision making in acute chest pain of uncertain origin. <i>American Heart Journal</i> , 2010, 159, 176-182.	2.7	6
59	Personalized Interpretation and Clinical Translation of Genetic Variants Associated With Cardiomyopathies. <i>Frontiers in Genetics</i> , 2019, 10, 450.	2.3	6
60	Safety and the identification of modifiable factors in older patients discharged from the emergency department with acute heart failure. <i>Emergencias</i> , 2021, 33, 161-162.	0.6	6
61	Impact of SARS-Cov-2 infection in patients with hypertrophic cardiomyopathy: results of an international multicentre registry. <i>ESC Heart Failure</i> , 2022, 9, 2189-2198.	3.1	6
62	Outcomes of Septal Myectomy beyond 65 Years, with and without Concomitant Procedures. <i>Journal of Clinical Medicine</i> , 2021, 10, 3499.	2.4	5
63	Cardiac Transplantation in Danon Disease. <i>Journal of Cardiac Failure</i> , 2022, 28, 664-669.	1.7	5
64	Neurohormonal Modulation as a Therapeutic Target in Pulmonary Hypertension. <i>Cells</i> , 2020, 9, 2521.	4.1	4
65	A combined approach to treat heparin-induced thrombocytopenia before heart transplant. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2020, 31, 881-883.	1.1	4
66	Malignant Arrhythmogenic Role Associated with RBM20: A Comprehensive Interpretation Focused on a Personalized Approach. <i>Journal of Personalized Medicine</i> , 2021, 11, 130.	2.5	4
67	The Quest for Metabolic Biomarkers of Pulmonary Hypertension —. <i>Journal of the American College of Cardiology</i> , 2016, 67, 190-192.	2.8	3
68	Coexistence of transmural and lateral wavefront progression of myocardial infarction in the human heart. <i>Revista Espanola De Cardiologia (English Ed )</i> , 2021, 74, 870-877.	0.6	3
69	Pediatric Malignant Arrhythmias Caused by Rare Homozygous Genetic Variants in TRDN: A Comprehensive Interpretation. <i>Frontiers in Pediatrics</i> , 2020, 8, 601708.	1.9	3
70	Cardiac and Pulmonary Vascular Remodeling in Endurance Open Water Swimmers Assessed by Cardiac Magnetic Resonance: Impact of Sex and Sport Discipline. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 719113.	2.4	3
71	Imagining the Future of Diagnostic Imaging. <i>Revista Espanola De Cardiologia (English Ed )</i> , 2013, 66, 134-143.	0.6	2
72	Response to Letter Regarding Article, "Effect of Early Metoprolol on Infarct Size in ST-Segment Elevation Myocardial Infarction Patients Undergoing Primary Percutaneous Coronary Intervention: The Effect of Metoprolol in Cardioprotection During an Acute Myocardial Infarction (METOCARD-CNIC) Trial". <i>Circulation</i> , 2014, 130, e19-20.	1.6	2

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73	Prognostic Value of Cardiac Magnetic Resonance Estimates of Ventriculoarterial Coupling in Pulmonary Hypertension. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 2268-2270.	5.3	2
74	Effect of sildenafil on right ventricular performance in an experimental large-animal model of postcapillary pulmonary hypertension. <i>Translational Research</i> , 2021, 228, 64-75.	5.0	2
75	Unfavorable bioresorbable vascular scaffold resorption, a cause of restenosis?. <i>Cardiovascular Revascularization Medicine</i> , 2016, 17, 571-573.	0.8	1
76	Myocardial Delayed Enhancement in Chagas Heart Disease. <i>Journal of the American College of Cardiology</i> , 2018, 72, 2588-2590.	2.8	1
77	Spanish Heart Transplant Registry. 29th Official Report of the Spanish Society of Cardiology Working Group on Heart Failure. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2018, 71, 952-960.	0.6	1
78	MitraClip Implantation for Hemolytic Anemia Treatment After Surgical Mitral Valve Repair. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, e85-e86.	2.9	1
79	Impact of hospital and emergency department structural and organizational characteristics on outcomes of acute heart failure. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2022, 75, 39-49.	0.6	1
80	Characterization of hereditary transthyretin cardiac amyloidosis in Spain. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2021, , .	0.6	1
81	<i>BAG3</i> Genetic Cardiomyopathy May Overlap Fulminant Myocarditis Clinical Findings. <i>Circulation: Heart Failure</i> , 2022, 15, e008443.	3.9	1
82	Initial experience with bosentan for the management of pulmonary hypertension after heart transplantation. <i>Clinical Transplantation</i> , 2018, 32, e13364.	1.6	0
83	Reply from the authors: Moving forward to identify those highly-trained athletes with potentially worse adaptation to intense exercise. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 2071-2072.	1.8	0
84	Combined Heart and Liver Transplantation for Uhl's Anomaly: A Case Report. <i>Transplantation Proceedings</i> , 2021, 53, 2751-2753.	0.6	0
85	Study on microparticles in a postthrombotic hypertension animal model. , 2017, , .		0