

# Jaume Agüero

## List of Publications by Year in descending order

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103  
papers

3,663  
citations

172386  
29  
h-index

138417  
58  
g-index

111  
all docs

111  
docs citations

111  
times ranked

5621  
citing authors

#	ARTICLE	IF	CITATIONS
1	EUR<i>Observational</i> Research Programme: regional differences and 1â€year followâ€up results of the Heart Failure Pilot Survey (ESCâ€HF Pilot). European Journal of Heart Failure, 2013, 15, 808-817.	2.9	645
2	EUR<i>Observational</i> Research Programme: The Heart Failure Pilot Survey (ESCâ€HF Pilot). European Journal of Heart Failure, 2010, 12, 1076-1084.	2.9	340
3	Myocardial Edema After Ischemia/Reperfusion Is Not Stable andÂFollowsÂÂBimodal Pattern. Journal of the American College of Cardiology, 2015, 65, 315-323.	1.2	185
4	Serial Magnetic Resonance Imaging toÂIdentify Early Stages of Anthracycline-Induced Cardiotoxicity. Journal of the American College of Cardiology, 2019, 73, 779-791.	1.2	174
5	Pathophysiology Underlying the BimodalÂEdema Phenomenon After Myocardial Ischemia/Reperfusion. Journal of the American College of Cardiology, 2015, 66, 816-828.	1.2	123
6	Dynamic Edematous Response of the Human Heart to Myocardial Infarction. Circulation, 2017, 136, 1288-1300.	1.6	107
7	Therapeutic Efficacy of AAV1.SERCA2a in Monocrotaline-Induced Pulmonary Arterial Hypertension. Circulation, 2013, 128, 512-523.	1.6	97
8	<i>SUMO-1</i> Gene Transfer Improves Cardiac Function in a Large-Animal Model of Heart Failure. Science Translational Medicine, 2013, 5, 211ra159.	5.8	96
9	Impact of the Timing of Metoprolol Administration During STEMI on InfarctÂSize and Ventricular Function. Journal of the American College of Cardiology, 2016, 67, 2093-2104.	1.2	84
10	Characterization of right ventricular remodeling and failure in a chronic pulmonary hypertension model. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H1204-H1215.	1.5	82
11	Association of Myocardial T1-Mapping CMR With Hemodynamics and RV Performance in Pulmonary Hypertension. JACC: Cardiovascular Imaging, 2015, 8, 76-82.	2.3	71
12	Cardiac I-1c Overexpression With Reengineered AAV Improves Cardiac Function in Swine Ischemic Heart Failure. Molecular Therapy, 2014, 22, 2038-2045.	3.7	70
13	Fast T2 gradient-spin-echo (T2-GraSE) mapping for myocardial edema quantification: first in vivo validation in a porcine model of ischemia/reperfusion. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 92.	1.6	68
14	Left Ventricular Unloading Using an Impella CP Improves Coronary Flow and Infarct Zone Perfusion in Ischemic Heart Failure. Journal of the American Heart Association, 2018, 7, .	1.6	65
15	Intratracheal Gene Delivery of SERCA2a Ameliorates Chronic Post-Capillary Pulmonary Hypertension. Journal of the American College of Cardiology, 2016, 67, 2032-2046.	1.2	62
16	Effect of Ischemia Duration and Protective Interventions on the Temporal Dynamics of Tissue Composition After Myocardial Infarction. Circulation Research, 2017, 121, 439-450.	2.0	62
17	Assessing left ventricular systolic dysfunction after myocardial infarction: are ejection fraction and $dP/dt_{max}$ complementary or redundant?. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H1423-H1428.	1.5	49
18	Increased Stiffness Is the Major Early Abnormality in a Pig Model of Severe Aortic Stenosis and Predisposes to Congestive Heart Failure in the Absence of Systolic Dysfunction. Journal of the American Heart Association, 2015, 4, .	1.6	49

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19	Different expression of adrenoceptors and GRKs in the human myocardium depends on heart failure etiology and correlates to clinical variables. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 303, H368-H376.	1.5	46
20	Left ventricular ejection fraction recovery in patients with heart failure treated with intravenous iron: a pilot study. <i>ESC Heart Failure</i> , 2016, 3, 293-298.	1.4	45
21	Characterizing preclinical models of ischemic heart failure: differences between LAD and LCx infarctions. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H1478-H1486.	1.5	43
22	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, .	1.6	43
23	Myocardial G Protein Receptor-Coupled Kinase Expression Correlates With Functional Parameters and Clinical Severity in Advanced Heart Failure. <i>Journal of Cardiac Failure</i> , 2012, 18, 53-61.	0.7	40
24	Proteomic footprint of myocardial ischemia/reperfusion injury: Longitudinal study of the at-risk and remote regions in the pig model. <i>Scientific Reports</i> , 2017, 7, 12343.	1.6	37
25	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.	2.5	36
26	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.	1.1	34
27	Stem Cell Factor Gene Transfer Improves Cardiac Function After Myocardial Infarction in Swine. <i>Circulation: Heart Failure</i> , 2015, 8, 167-174.	1.6	33
28	Inflammatory markers in stable heart failure and their relationship with functional class. <i>International Journal of Cardiology</i> , 2008, 129, 388-393.	0.8	30
29	Tolerance Profile of the Proliferation Signal Inhibitors Everolimus and Sirolimus in Heart Transplantation. <i>Transplantation Proceedings</i> , 2008, 40, 3034-3036.	0.3	30
30	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.	2.5	30
31	Atrial Infarction and Ischemic Mitral Regurgitation Contribute to Post-MI Remodeling of the Left Atrium. <i>Journal of the American College of Cardiology</i> , 2017, 70, 2878-2889.	1.2	30
32	Cardiac gene therapy in large animals: bridge from bench to bedside. <i>Gene Therapy</i> , 2012, 19, 670-677.	2.3	29
33	What is the best biomarker for diagnosis of rejection in heart transplantation?. <i>Clinical Transplantation</i> , 2009, 23, 672-680.	0.8	28
34	Percutaneous Approaches for Efficient Cardiac Gene Delivery. <i>Journal of Cardiovascular Translational Research</i> , 2013, 6, 649-659.	1.1	28
35	mTOR Inhibitors: Do They Help Preserve Renal Function?. <i>Transplantation Proceedings</i> , 2007, 39, 2135-2137.	0.3	27
36	Differential clinical characteristics and prognosis of intraventricular conduction defects in patients with chronic heart failure. <i>European Journal of Heart Failure</i> , 2013, 15, 877-884.	2.9	27

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37	Prognostic Value of Brain Natriuretic Peptide in Heart Transplant Patients. <i>Journal of Heart and Lung Transplantation</i> , 2007, 26, 986-991.	0.3	24
38	Mortality After Heart Transplantation in Adults With Congenital Heart Disease: A Single-Center Experience. <i>Transplantation Proceedings</i> , 2007, 39, 2357-2359.	0.3	23
39	Impact of Smoking on Survival After Heart Transplantation. <i>Transplantation Proceedings</i> , 2007, 39, 2377-2378.	0.3	23
40	Analysis of the Impact of Donor Gender on Early Mortality. <i>Transplantation Proceedings</i> , 2007, 39, 2375-2376.	0.3	23
41	Follow-up Study on the Utility of von Willebrand Factor Levels in the Diagnosis of Cardiac Allograft Vasculopathy. <i>Journal of Heart and Lung Transplantation</i> , 2008, 27, 760-766.	0.3	23
42	Progression of Renal Dysfunction in Cardiac Transplantation After the Introduction of Everolimus in the Immunosuppressive Regime. <i>Transplantation</i> , 2009, 87, 538-541.	0.5	22
43	Influence of Metabolic Syndrome on Development of Cardiac Allograft Vasculopathy in the Transplanted Heart. <i>Transplantation</i> , 2012, 93, 106-111.	0.5	20
44	Safety and long-term efficacy of AAV1.SERCA2a using nebulizer delivery in a pig model of pulmonary hypertension. <i>Pulmonary Circulation</i> , 2018, 8, 1-4.	0.8	18
45	Course of Patients With Chronic Hepatitis C Virus Infection Undergoing Heart Transplantation. <i>Transplantation Proceedings</i> , 2007, 39, 2353-2354.	0.3	16
46	Relationship Between Functional Capacity and Quality of Life in Heart Transplant Patients. <i>Transplantation Proceedings</i> , 2011, 43, 2251-2252.	0.3	16
47	Primary Effect of SERCA2a Gene Transfer on Conduction Reserve in Chronic Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2018, 7, e009598.	1.6	16
48	Does Amiodarone Influence Early Mortality in Heart Transplantation?. <i>Transplantation Proceedings</i> , 2006, 38, 2537-2538.	0.3	15
49	mTOR Inhibitors and Their Secondary Effects in Cardiac Transplant Recipients: A Descriptive Study. <i>Transplantation Proceedings</i> , 2007, 39, 2365-2367.	0.3	15
50	A prospective randomized study comparing cyclosporine versus tacrolimus combined with daclizumab, mycophenolate mofetil, and steroids in heart transplantation. <i>Clinical Transplantation</i> , 2011, 25, 606-613.	0.8	15
51	Increased Afterload Following Myocardial Infarction Promotes Conduction-Dependent Arrhythmias That Are Unmasked by Hypokalemia. <i>JACC Basic To Translational Science</i> , 2017, 2, 258-269.	1.9	15
52	Deciphering microvascular changes after myocardial infarction through 3D fully automated image analysis. <i>Scientific Reports</i> , 2018, 8, 1854.	1.6	15
53	Combination Proximal Pulmonary Artery Coiling and Distal Embolization Induces Chronic Elevations in Pulmonary Artery Pressure in Swine. <i>PLoS ONE</i> , 2015, 10, e0124526.	1.1	15
54	Induction Therapy With Daclizumab in Heart Transplantation—How Many Doses?. <i>Transplantation Proceedings</i> , 2006, 38, 2541-2543.	0.3	14

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55	Ezetimibe in Heart Transplantation: Initial Experience. <i>Transplantation Proceedings</i> , 2007, 39, 2389-2392.	0.3	12
56	$\beta$ <sup>2</sup> - and $\beta$ <sup>1</sup> -Adrenoceptor Expression Exhibits a Common Regulatory Pattern With GRK2 and GRK5 in Human and Animal Models of Cardiovascular Diseases. <i>Journal of Cardiovascular Pharmacology</i> , 2015, 66, 478-486.	0.8	12
57	Activation of $\beta$ <sup>1A</sup> -adrenoceptors desensitizes the rat aorta response to phenylephrine through a neuronal NOS pathway, a mechanism lost with ageing. <i>British Journal of Pharmacology</i> , 2017, 174, 2015-2030.	2.7	12
58	Influence of Immunosuppression Regimen on Heart Transplantation Survival. <i>Transplantation Proceedings</i> , 2006, 38, 2550-2552.	0.3	11
59	Differences in Clinical Profile and Survival After Heart Transplantation According to Prior Heart Disease. <i>Transplantation Proceedings</i> , 2007, 39, 2350-2352.	0.3	11
60	Predictor factors for the development of arterial hypertension following heart transplantation. <i>Clinical Transplantation</i> , 2008, 22, 760-764.	0.8	11
61	Prognostic Relationship Between Two Serial Determinations of B-type Natriuretic Peptide and Medium-term Events in Heart Transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2008, 27, 735-740.	0.3	11
62	Correlation Between Beta-Adrenoceptors and G-Protein-Coupled Receptor Kinases in Pretransplantation Heart Failure. <i>Transplantation Proceedings</i> , 2008, 40, 3014-3016.	0.3	11
63	Differences in Early Postoperative Complications in Elective and Emergency Heart Transplantation. <i>Transplantation Proceedings</i> , 2008, 40, 3041-3043.	0.3	11
64	Can We Accept Donors Who Have Suffered a Resuscitated Cardiac Arrest?. <i>Transplantation Proceedings</i> , 2010, 42, 3091-3092.	0.3	11
65	Do Cardiovascular Risk Factors Influence Cardiac Allograft Vasculopathy?. <i>Transplantation Proceedings</i> , 2006, 38, 2572-2574.	0.3	10
66	Myocardial and Peripheral Lymphocytic Transcriptomic Dissociation of $\beta$ <sup>2</sup> -adrenoceptors and G Protein-coupled Receptor Kinases in Heart Transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2009, 28, 1166-1171.	0.3	10
67	Noninvasive Liver Assessment in Adult Patients With Fontan Circulation Using Acoustic Radiation Force Impulse Elastography and Hepatic Magnetic Resonance Imaging. <i>World Journal for Pediatric &amp; Congenital Heart Surgery</i> , 2018, 9, 22-30.	0.3	10
68	Clinical Variables Associated With the Presence of Inflammatory Infiltrates in Patients With Dilated Cardiomyopathy Undergoing Heart Transplantation. <i>Transplantation Proceedings</i> , 2008, 40, 3017-3019.	0.3	9
69	Clinical and Hemodynamic Profile of Patients With Advanced Heart Failure Considered for Heart Transplantation. <i>Transplantation Proceedings</i> , 2007, 39, 2341-2343.	0.3	8
70	Influence of immunosuppressive regimens on short-term morbidity and mortality in heart transplantation. <i>Clinical Transplantation</i> , 2007, 22, 070806210014002-???	0.8	8
71	Preliminary Results of a Prospective Randomized Study of Cyclosporine Versus Tacrolimus in the Development of Cardiac Allograft Vasculopathy at 1 Year After Heart Transplantation. <i>Transplantation Proceedings</i> , 2010, 42, 3199-3200.	0.3	8
72	Sequential Bone-Marrow Cell Delivery of VEGFA/S1P Improves Vascularization and Limits Adverse Cardiac Remodeling After Myocardial Infarction in Mice. <i>Human Gene Therapy</i> , 2019, 30, 893-905.	1.4	8

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73	Postâ€Heart Transplant Tumors: Chronology and Impact on Survival. Transplantation Proceedings, 2010, 42, 3201-3203.	0.3	7
74	Valor pronÃstico de la tasa de filtraciÃn glomerular al aÃ±o del trasplante cardiaco. Revista Espanola De Cardiologia, 2010, 63, 564-570.	0.6	7
75	Inhaled Gene Transfer for Pulmonary Circulation. Methods in Molecular Biology, 2017, 1521, 339-349.	0.4	7
76	Quantitative Transthoracic Echocardiography of the Response to Dobutamine in Cardiac Surgery Patients With Low Cardiac Output Syndrome. Journal of Cardiothoracic and Vascular Anesthesia, 2020, 34, 87-96.	0.6	7
77	Variations in the Frequency and Type of Infections in Heart Transplantation According to the Immunosuppression Regimen. Transplantation Proceedings, 2006, 38, 2558-2559.	0.3	6
78	Systolic flow displacement using 3D magnetic resonance imaging in an experimental model of ascending aorta aneurysm: impact of rheological factors. European Journal of Cardio-thoracic Surgery, 2016, 50, 685-692.	0.6	6
79	Reduced longitudinal contraction is associated with ischemic mitral regurgitation after posterior MI. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H322-H329.	1.5	6
80	Modeling Pulmonary Hypertension: A Pig Model of Postcapillary Pulmonary Hypertension. Methods in Molecular Biology, 2018, 1816, 367-383.	0.4	6
81	Myocardial and lymphocytic expression of eNOS and nNOS before and after heart transplantation: Relationship to clinical status. Life Sciences, 2013, 93, 108-115.	2.0	5
82	Evolutional Changes in Maintenance Immunosuppression Following Heart Transplantation. Transplantation Proceedings, 2006, 38, 2553-2554.	0.3	4
83	Mortality After Heart-Lung Transplantation Experience in a Reference Center. Transplantation Proceedings, 2007, 39, 2360-2361.	0.3	4
84	Support Program for Heart Transplant Patients: Initial Experience. Transplantation Proceedings, 2008, 40, 3039-3040.	0.3	4
85	Utility of Oral Valganciclovir for Cytomegalovirus Prophylaxis: Does It Improve Treatment Compliance?. Transplantation Proceedings, 2008, 40, 3063-3064.	0.3	4
86	R2 prime (R2â€²) magnetic resonance imaging for post-myocardial infarction intramyocardial haemorrhage quantification. European Heart Journal Cardiovascular Imaging, 2020, 21, 1031-1038.	0.5	4
87	Echocardiographic Left Ventricular Mass Estimation: Two-Dimensional Area-Length Method is Superior to M-Mode Linear Method in Swine Models of Cardiac Diseases. Journal of Cardiovascular Translational Research, 2020, 13, 648-658.	1.1	4
88	Endobronchial Aerosolized AAV1.SERCA2a Gene Therapy in a Pulmonary Hypertension Pig Model: Addressing the Lung Delivery Bottleneck. Human Gene Therapy, 2022, 33, 550-559.	1.4	4
89	Proceduralâ€related coronary atrial branch occlusion during primary percutaneous coronary intervention for STâ€segment elevation myocardial infarction and atrial arrhythmias at followâ€up. Catheterization and Cardiovascular Interventions, 2020, 95, 686-693.	0.7	3
90	Long-Term Immunosuppressive Therapy in Recurrent Giant Cell Myocarditis in the Transplanted Heart: A Case Report. Transplantation Proceedings, 2007, 39, 1718-1719.	0.3	2

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91	Miocarditis de culas gigantes y displasia arritmognica ventricular derecha. Revista Espanola De Cardiologia, 2007, 60, 782-784.	0.6	2
92	2-Adrenoceptors and GRK2 as Potential Biomarkers in Patients With Chronic Pulmonary Regurgitation. Frontiers in Pharmacology, 2019, 10, 93.	1.6	2
93	Variations in T2-Mapping-Assessed Area at Risk After Experimental Ischemia/Reperfusion. Journal of Cardiovascular Translational Research, 2021, 14, 1040-1042.	1.1	2
94	Route TESI. Circulation Research, 2017, 120, 1055-1056.	2.0	2
95	Randomized Prospective Study of the Evolution of Renal Function Depending on the Anticalcineurin Used. Transplantation Proceedings, 2008, 40, 2906-2908.	0.3	1
96	Lymphomas in Heart Transplant Recipients: Do Antivirals Protect Against the Neoplastic Effect of Anti-CD3 Monoclonal Antibody?. Transplantation Proceedings, 2010, 42, 3206-3207.	0.3	1
97	Reply to "Letter to the editor: Characterizing preclinical model of ischemic heart failure: difference between LAD and LCx infarctions". American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H365-H366.	1.5	1
98	Chronic Pulmonary Artery Embolization Models in Large Animals. Methods in Molecular Biology, 2018, 1816, 353-366.	0.4	1
99	Changes in Adrenoceptor and GRK Expression in Patients With Chronic Pulmonary Regurgitation. Revista Espanola De Cardiologia (English Ed ), 2019, 72, 569-576.	0.4	1
100	A Critical Appraisal of Absolute Left Ventricular Dimension Thresholds for Intervention in Primary Mitral Regurgitation from a Worldwide Population Perspective. Journal of the American Society of Echocardiography, 2021, 34, 205-206.	1.2	1
101	Infiltracin miocrdica tras exresis de schwannoma melantico pulmonar. Revista Espanola De Cardiologia, 2008, 61, 194-195.	0.6	0
102	Clinical Predictors of Immunotolerance in Heart Transplantation. Transplantation Proceedings, 2010, 42, 3183-3185.	0.3	0
103	Corrigendum to "Inflammatory markers in stable heart failure and their relationship with functional class". Int J Cardiol 129 (2008) 388-393. International Journal of Cardiology, 2011, 146, 484.	0.8	0