

Luis Jes s Jim nez Borreguero

List of Publications by Year in descending order

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96
papers

3,776
citations

147566

31
h-index

133063

59
g-index

105
all docs

105
docs citations

105
times ranked

6933
citing authors

#	ARTICLE	IF	CITATIONS
1	A Network of Macrophages Supports Mitochondrial Homeostasis in the Heart. <i>Cell</i> , 2020, 183, 94-109.e23.	13.5	360
2	Prevalence, Vascular Distribution, and Multiterritorial Extent of Subclinical Atherosclerosis in a Middle-Aged Cohort. <i>Circulation</i> , 2015, 131, 2104-2113.	1.6	352
3	Effect of Early Metoprolol on Infarct Size in ST-Segmentâ€Elevation Myocardial Infarction Patients Undergoing Primary Percutaneous Coronary Intervention. <i>Circulation</i> , 2013, 128, 1495-1503.	1.6	321
4	Mutations in the NOTCH pathway regulator MIB1 cause left ventricular noncompaction cardiomyopathy. <i>Nature Medicine</i> , 2013, 19, 193-201.	15.2	296
5	Femoral and Carotid Subclinical Atherosclerosis Association With Riskâ€Factors and Coronary Calcium. <i>Journal of the American College of Cardiology</i> , 2016, 67, 1263-1274.	1.2	172
6	Sequential Notch activation regulates ventricular chamber development. <i>Nature Cell Biology</i> , 2016, 18, 7-20.	4.6	156
7	Nitric oxide mediates aortic disease in mice deficient in the metalloprotease Adamts1 and in a mouse model of Marfan syndrome. <i>Nature Medicine</i> , 2017, 23, 200-212.	15.2	134
8	A Novel Circulating Noncoding Small RNA for the Detection of Acute Myocarditis. <i>New England Journal of Medicine</i> , 2021, 384, 2014-2027.	13.9	112
9	Myocardial VHL-HIF Signaling Controls an Embryonic Metabolic Switch Essential for Cardiac Maturation. <i>Developmental Cell</i> , 2016, 39, 724-739.	3.1	106
10	Exercise Triggers ARVC Phenotype in Mice Expressing a Disease-Causing Mutated Version of Human Plakophilin-2. <i>Journal of the American College of Cardiology</i> , 2015, 65, 1438-1450.	1.2	104
11	Sequential Ligand-Dependent Notch Signaling Activation Regulates Valve Primordium Formation and Morphogenesis. <i>Circulation Research</i> , 2016, 118, 1480-1497.	2.0	85
12	CD69 Limits the Severity of Cardiomyopathy After Autoimmune Myocarditis. <i>Circulation</i> , 2010, 122, 1396-1404.	1.6	84
13	The Progression and Early detection of Subclinical Atherosclerosis (PESA) study: Rationale and design. <i>American Heart Journal</i> , 2013, 166, 990-998.	1.2	82
14	Ageing-Associated miR-217 Aggravates Atherosclerosis and Promotes Cardiovascular Dysfunction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 2408-2424.	1.1	73
15	Blood flow patterns in the thoracic aorta studied with three-directional MR velocity mapping: The effects of age and coronary artery disease. <i>Journal of Magnetic Resonance Imaging</i> , 1997, 7, 784-793.	1.9	70
16	Aragon workersâ€™ health study â€ design and cohort description. <i>BMC Cardiovascular Disorders</i> , 2012, 12, 45.	0.7	70
17	The Chromatin Remodeling Complex Chd4/NuRD Controls Striated Muscle Identity and Metabolic Homeostasis. <i>Cell Metabolism</i> , 2016, 23, 881-892.	7.2	68
18	p38 β and γ promote heart hypertrophy by targeting the mTOR-inhibitory protein DEPTOR for degradation. <i>Nature Communications</i> , 2016, 7, 10477.	5.8	68

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19	Telomerase Is Essential for Zebrafish Heart Regeneration. <i>Cell Reports</i> , 2015, 12, 1691-1703.	2.9	67
20	Ablation of the stress protease OMA1 protects against heart failure in mice. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	66
21	β3 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.	2.5	63
22	Regulator of calcineurin 1 mediates pathological vascular wall remodeling. <i>Journal of Experimental Medicine</i> , 2011, 208, 2125-2139.	4.2	59
23	Use of Echocardiography Reveals Reestablishment of Ventricular Pumping Efficiency and Partial Ventricular Wall Motion Recovery upon Ventricular Cryoinjury in the Zebrafish. <i>PLoS ONE</i> , 2014, 9, e115604.	1.1	52
24	Plk1 regulates contraction of postmitotic smooth muscle cells and is required for vascular homeostasis. <i>Nature Medicine</i> , 2017, 23, 964-974.	15.2	44
25	Detection of subclinical atherosclerosis in familial hypercholesterolemia using non-invasive imaging modalities. <i>Atherosclerosis</i> , 2012, 222, 468-472.	0.4	43
26	CXCL6 is an important paracrine factor in the pro-angiogenic human cardiac progenitor-like cell secretome. <i>Scientific Reports</i> , 2017, 7, 12490.	1.6	39
27	Study design for the "effect of METOProlol in CARDioproteCtioN during an acute myocardial InfarCtion" (METOCARD-CNIC): A randomized, controlled parallel-group, observer-blinded clinical trial of early pre-reperfusion metoprolol administration in ST-segment elevation myocardial infarction. <i>American Heart Journal</i> , 2012, 164, 473-480.e5.	1.2	38
28	Downregulation of G protein-coupled receptor kinase 2 levels enhances cardiac insulin sensitivity and switches on cardioprotective gene expression patterns. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 2448-2456.	1.8	38
29	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.	1.2	37
30	Could NLRP3 "Inflammasome Be a Cardiovascular Risk Biomarker in Acute Myocardial Infarction Patients?. <i>Antioxidants and Redox Signaling</i> , 2017, 27, 269-275.	2.5	36
31	COVID-19 "Fulminant Myocarditis" Successfully Treated With Temporary Mechanical Circulatory Support. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 2457-2459.	2.3	34
32	Lethal myocardial reperfusion injury: A necessary evil?. <i>International Journal of Cardiology</i> , 2011, 151, 3-11.	0.8	30
33	Induction of the calcineurin variant CnA121 after myocardial infarction reduces post-infarction ventricular remodelling by promoting infarct vascularization. <i>Cardiovascular Research</i> , 2014, 102, 396-406.	1.8	24
34	Association Between a Social-Business Eating Pattern and Early Asymptomatic Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2016, 68, 805-814.	1.2	24
35	Characteristic findings of acute spontaneous coronary artery dissection by cardiac computed tomography. <i>Coronary Artery Disease</i> , 2020, 31, 293-299.	0.3	22
36	Valoración de la viabilidad miocárdica en pacientes prerrevascularización. <i>Revista Espanola De Cardiologia</i> , 2003, 56, 721-733.	0.6	20

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37	Lung ultrasound as a translational approach for non-invasive assessment of heart failure with reduced or preserved ejection fraction in mice. <i>Cardiovascular Research</i> , 2017, 113, 1113-1123.	1.8	19
38	Lanthanide complexes as imaging agents anchored on nano-sized particles of boehmite. <i>Dalton Transactions</i> , 2011, 40, 6451.	1.6	18
39	One-pot preparation of surface modified boehmite nanoparticles with rare-earth cyclen complexes. <i>Chemical Communications</i> , 2007, , 3392.	2.2	17
40	Unipolar Mapping and Magnetic Resonance Imaging of "Idiopathic" Right Ventricular Outflow Tract Ectopy. <i>Journal of Cardiovascular Electrophysiology</i> , 1998, 9, 84-87.	0.8	16
41	Isolated Cardiac Involvement of Rosai-Dorfman Disease. <i>Annals of Thoracic Surgery</i> , 2012, 94, 2118-2120.	0.7	16
42	Accurate quantification of atherosclerotic plaque volume by 3D vascular ultrasound using the volumetric linear array method. <i>Atherosclerosis</i> , 2016, 248, 230-237.	0.4	16
43	Cardiomyocyte calcineurin is required for the onset and progression of cardiac hypertrophy and fibrosis in adult mice. <i>FEBS Journal</i> , 2019, 286, 46-65.	2.2	14
44	A Comprehensive Model to Predict Atrial Fibrillation in Cryptogenic Stroke: The Decrypting Score. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2022, 31, 106161.	0.7	14
45	Endothelial follistatin-like-1 regulates the postnatal development of the pulmonary vasculature by modulating BMP/Smad signaling. <i>Pulmonary Circulation</i> , 2017, 7, 219-231.	0.8	13
46	Spontaneous Pulmonary Hypertension Associated With Systemic Sclerosis in P-selectin Glycoprotein Ligand 1-deficient Mice. <i>Arthritis and Rheumatology</i> , 2020, 72, 477-487.	2.9	13
47	Myocardial Notch1-Rbpj deletion does not affect NOTCH signaling, heart development or function. <i>PLoS ONE</i> , 2018, 13, e0203100.	1.1	11
48	Bmi1-Progenitor Cell Ablation Impairs the Angiogenic Response to Myocardial Infarction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 2160-2173.	1.1	11
49	Electrocardiogram and CMR to differentiate tachycardia-induced cardiomyopathy from dilated cardiomyopathy in patients admitted for heart failure. <i>Heart and Vessels</i> , 2022, 37, 1850-1858.	0.5	11
50	Activation of amino acid metabolic program in cardiac HIF1-alpha-deficient mice. <i>IScience</i> , 2021, 24, 102124.	1.9	10
51	Noninvasive diagnosis of vulnerable coronary plaque. <i>World Journal of Cardiology</i> , 2016, 8, 520.	0.5	9
52	Influence of air pollutants on circulating inflammatory cells and microRNA expression in acute myocardial infarction. <i>Scientific Reports</i> , 2022, 12, 5350.	1.6	8
53	Helical distribution of hypertrophy in patients with hypertrophic cardiomyopathy: prevalence and clinical implications. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 1771-1780.	0.7	7
54	Searching for the Culprit Vessel in Acute Myocardial Infarction Beyond Angiography. <i>Circulation</i> , 2014, 130, e32-4.	1.6	6

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55	Analyzing artificial intelligence systems for the prediction of atrial fibrillation from sinus-rhythm ECGs including demographics and feature visualization. <i>Scientific Reports</i> , 2021, 11, 22786.	1.6	6
56	Efficacy of short-course colchicine treatment in hospitalized patients with moderate to severe COVID-19 pneumonia and hyperinflammation: a randomized clinical trial. <i>Scientific Reports</i> , 2022, 12, .	1.6	6
57	Nonlinear Optical 3-Dimensional Method for Quantifying Atherosclerosis Burden. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 566-569.	1.3	5
58	Early gadolinium enhancement in hypertrophic cardiomyopathy: a potential premature marker of myocardial damage. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1635-1643.	0.7	4
59	Atrioventricular Septum Pseudoaneurysm As Late Complication After Repeated Mitral Valve Replacement. <i>Annals of Thoracic Surgery</i> , 2017, 103, e55-e56.	0.7	4
60	Optimizing dual antiplatelet therapy duration after myocardial infarction: evidence-based, precision, or personalized medicine?. <i>European Heart Journal</i> , 2017, 38, 1056-1059.	1.0	4
61	Sex differences in cardiac magnetic resonance features in patients with hypertrophic cardiomyopathy. <i>International Journal of Cardiovascular Imaging</i> , 2020, 36, 1751-1759.	0.7	4
62	Semi automatic estimation and visualization of left ventricle volumes in cardiac MRI. , 2005, , .		3
63	Nanoparticles as Contrast Agents for MRI of Atherosclerotic Lesions. <i>Clinical Medicine Cardiology</i> , 2008, 2, CMC.S642.	0.1	3
64	Spongious Ischemic Myocardium. <i>Circulation: Heart Failure</i> , 2017, 10, .	1.6	3
65	Temporal Resolution Pattern of Myocardial Edema in Patients With Takotsubo Syndrome. <i>Journal of Cardiac Failure</i> , 2018, 24, 345-346.	0.7	3
66	Echocardiographic Findings in an Elderly Population. Influence of Arterial Hypertension. The Epicardian Study. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2008, 61, 881-883.	0.4	2
67	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
68	Wide QRS Complex Tachycardia. <i>Circulation</i> , 2018, 137, 1407-1409.	1.6	2
69	Percutaneous Closure of a Large Iatrogenic Atrial Septal Laceration. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e008409.	1.3	2
70	Anterior ST-segment elevation secondary to right coronary occlusion: The sheep in wolf's clothing. <i>Journal of Electrocardiology</i> , 2018, 51, 935-937.	0.4	2
71	T1 mapping in the assessment of endomyocardial fibrosis. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 267-268.	0.7	2
72	Myocardial septic seeding secondary to infective endocarditis: diagnosis by cardiac magnetic resonance imaging. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 2545-2547.	0.7	2

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73	Usefulness of Tissue Tracking by Cardiac Magnetic Resonance to Predict Events in Patients With Hypertrophic Cardiomyopathy. American Journal of Cardiology, 2022, 174, 126-135.	0.7	2
74	Quantification of blood flow in great vessels from cardiac magnetic resonance imaging. Proc Int Symp Image Signal Process Anal, 2005, , .	0.0	1
75	Impact of comorbidity and basal health status on coronary care unit admission and clinical profile in nonagenarians with acute myocardial infarction. International Journal of Cardiology, 2016, 221, 463-465.	0.8	1
76	Spike or not a spike? That is the question in a patient with single lead pacemaker. Journal of Electrocardiology, 2017, 50, 937-938.	0.4	1
77	Registro Español de Imagen Cardíaca. II Informe Oficial de la Asociación de Imagen Cardíaca de la Sociedad Española de Cardiología (2019). Revista Española De Cardiología, 2020, 73, 1070-1073.	0.6	1
78	Usefulness of computer-assisted ECG analysis in the pre-operative evaluation of noncardiac surgery. European Journal of Anaesthesiology, 2020, 37, 1075-1077.	0.7	1
79	Pulmonary valve in carcinoid disease: be suspicious of functional assessment. International Journal of Cardiovascular Imaging, 2021, 37, 707-709.	0.7	1
80	Concomitant acute myocardial infarction and stress cardiomyopathy. Coronary Artery Disease, 2021, 32, 261-262.	0.3	1
81	Response to Letter Regarding Article, "Searching for the Culprit Vessel in Acute Myocardial Infarction Beyond Angiography: Role of Cardiac Magnetic Resonance". Circulation, 2015, 131, e383.	1.6	0
82	Coronary fistula as an arteriovenous malformation behind the left atrium. Untightening the tangle with cardiac CT. International Journal of Cardiology, 2016, 207, 177-179.	0.8	0
83	Response by Cecconi et al to Letter Regarding Article, "Wide QRS Complex Tachycardia: What the Algorithms Fear". Circulation, 2018, 138, 1174-1175.	1.6	0
84	Predictors of oedema in Tako-Tsubo cardiomyopathy. Journal of Cardiovascular Medicine, 2019, 20, 406-408.	0.6	0
85	Epicardial lipomatous hypertrophy with ventricular septum separation and myocardial non-compaction: a new cardiomyopathy?. European Heart Journal Cardiovascular Imaging, 2019, 20, 600-600.	0.5	0
86	Letter by Alfonso et al Regarding Article, "Low-Attenuation Noncalcified Plaque on Coronary Computed Tomography Angiography Predicts Myocardial Infarction: Results From the Multicenter SCOT-HEART Trial (Scottish Computed Tomography of the Heart)". Circulation, 2020, 142, e242-e243.	1.6	0
87	Spanish Cardiovascular Imaging Registry. Second Official Report of the Cardiovascular Imaging Association of the Spanish Society of Cardiology (2019). Revista Española De Cardiología (English Ed), 2020, 73, 1070-1073.	0.4	0
88	Pericardial late gadolinium enhancement secondary to metastatic recurrence in long-term survivor of breast cancer. European Heart Journal Cardiovascular Imaging, 2021, 22, e141-e141.	0.5	0
89	Association of CHA2DS2-VASc Score With Remodeling of Left Atrial Appendage Assessed by Cardiac Computed Tomography. Cardiology Research, 2021, 12, 126-128.	0.5	0
90	Regulator of calcineurin 1 mediates pathological vascular wall remodeling. Journal of Cell Biology, 2011, 195, i1-i1.	2.3	0

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91	Vasospasm during Exertion: New Pathophysiological Insights. Arquivos Brasileiros De Cardiologia, 2019, 113, 106-108.	0.3	0
92	ECG February 2020. Revista Espanola De Cardiologia (English Ed), 2020, 73, 171.	0.4	0
93	ECG de febrero de 2020. Revista Espanola De Cardiologia, 2020, 73, 171.	0.6	0
94	Respuesta al ECG de febrero de 2020. Revista Espanola De Cardiologia, 2020, 73, 259.	0.6	0
95	Selección de lo mejor del año 2019 en imagen cardiovascular. REC: CardioClinics, 2020, 55, 10-17.	0.1	0
96	Spanish Cardiovascular Imaging Registry. Third Official Report from the Cardiovascular Imaging Association of the Spanish Society of Cardiology (2020). Revista Espanola De Cardiologia (English Ed), 2022, 75, 351-353.	0.4	0