Leticia FernÃ¡ndez-Friera

List of Publications by Year
in descending order

93	4,664	109264 35	102432 66
papers	citations	h-index	g-index

95	95	95	7351
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Prevalence, Vascular Distribution, and Multiterritorial Extent of Subclinical Atherosclerosis in a Middle-Aged Cohort. Circulation, 2015, 131, 2104-2113.	1.6	352
2	Effect of Early Metoprolol on Infarct Size in ST-Segmentâ€“Elevation Myocardial Infarction Patients Undergoing Primary Percutaneous Coronary Intervention. Circulation, 2013, 128, 1495-1503.	1.6	321
3	Mutations in the NOTCH pathway regulator MIB1 cause left ventricular noncompaction cardiomyopathy. Nature Medicine, 2013, 19, 193-201.	15.2	296
4	Mitral valve diseaseâ€”morphology and mechanisms. Nature Reviews Cardiology, 2015, 12, 689-710.	6.1	281
5	Right ventriculo-arterial coupling in pulmonary hypertension: a magnetic resonance study. Heart, 2012, 98, 238-243.	1.2	247
6	Normal LDL-Cholesterol Levels Are Associated With Subclinical Atherosclerosis in the Absence of RiskÂFactors. Journal of the American College of Cardiology, 2017, 70, 2979-2991.	1.2	240
7	Myocardial Edema After Ischemia/Reperfusion Is Not Stable andÂFollowsÂaÂBimodal Pattern. Journal of the American College of Cardiology, 2015, 65, 315-323.	1.2	185
8	Long-Term Benefit of Early Pre-Reperfusion Metoprolol Administration in Patients With Acute Myocardial Infarction. Journal of the American College of Cardiology, 2014, 63, 2356-2362.	1.2	162
9	Mutations in DCHS1 cause mitral valve prolapse. Nature, 2015, 525, 109-113.	13.7	150
10	Association of Sleep Duration and Quality With Subclinical Atherosclerosis. Journal of the American College of Cardiology, 2019, 73, 134-144.	1.2	145
11	Vascular Inflammation in Subclinical Atherosclerosis Detected by Hybrid PET/MRI. Journal of the American College of Cardiology, 2019, 73, 1371-1382.	1.2	111
12	Genetic association analyses highlight biological pathways underlying mitral valve prolapse. Nature Genetics, 2015, 47, 1206-1211.	9.4	103
13	Subclinical Atherosclerosis Burden by 3DÂUltrasound in Mid-Life. Journal of the American College of Cardiology, 2017, 70, 301-313.	1.2	94
14	The Importance of Breakfast in Atherosclerosis Disease. Journal of the American College of Cardiology, 2017, 70, 1833-1842.	1.2	90
15	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
16	The Progression and Early detection of Subclinical Atherosclerosis (PESA) study: Rationale and design. American Heart Journal, 2013, 166, 990-998.	1.2	82
17	Triglycerides and Residual Atherosclerotic Risk. Journal of the American College of Cardiology, 2021, 77, 3031-3041.	1.2	82
18	Non-invasive estimation of pulmonary vascular resistance with cardiac magnetic resonance. European Heart Journal, 2011, 32, 2438-2445.	1.0	79

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19	Association of Myocardial T1-Mapping CMR With Hemodynamics and RV Performance in Pulmonary Hypertension. JACC: Cardiovascular Imaging, 2015, 8, 76-82.	2.3	71
20	Mechanism of Decrease in Mitral Regurgitation After Cardiac Resynchronization Therapy. Circulation: Cardiovascular Imaging, 2009, 2, 444-450.	1.3	68
21	Î²3 adrenergic receptor selective stimulation during ischemia/reperfusion improves cardiac function in translational models through inhibition of mPTP opening in cardiomyocytes. Basic Research in Cardiology, 2014, 109, 422.	2.5	63
22	Usefulness of Cardiac Computed Tomographic Delayed Contrast Enhancement of the Left Atrial Appendage Before Pulmonary Vein Ablation. American Journal of Cardiology, 2012, 109, 677-684.	0.7	56
23	Progression of Early Subclinical Atherosclerosis (PESA) Study. Journal of the American College of Cardiology, 2021, 78, 156-179.	1.2	56
24	Predicting Subclinical Atherosclerosis in Low-RiskÂIndividuals. Journal of the American College of Cardiology, 2017, 70, 2463-2473.	1.2	55
25	Short-Term Progression of Multiterritorial Subclinical Atherosclerosis. Journal of the American College of Cardiology, 2020, 75, 1617-1627.	1.2	55
26	A clinical method for mapping and quantifying blood stasis in the left ventricle. Journal of Biomechanics, 2016, 49, 2152-2161.	0.9	54
27	Glycated Hemoglobin and SubclinicalÂAtherosclerosis in People Without Diabetes. Journal of the American College of Cardiology, 2021, 77, 2777-2791.	1.2	49
28	Impact of Aortic Regurgitation After Transcatheter Aortic Valve Implantation. JACC: Cardiovascular Imaging, 2012, 5, 469-477.	2.3	45
29	Diagnostic Value of Coronary Artery Calcium Scoring in Low-Intermediate Risk Patients Evaluated in the Emergency Department for Acute Coronary Syndrome. American Journal of Cardiology, 2011, 107, 17-23.	0.7	44
30	Machine Learning Improves Cardiovascular Risk Definition for Young,ÂAsymptomatic Individuals. Journal of the American College of Cardiology, 2020, 76, 1674-1685.	1.2	44
31	Detection of subclinical atherosclerosis in familial hypercholesterolemia using non-invasive imaging modalities. Atherosclerosis, 2012, 222, 468-472.	0.4	43
32	Intracoronary Administration of Allogeneic Adipose Tissueâ€“Derived Mesenchymal Stem Cells Improves Myocardial Perfusion But Not Left Ventricle Function, in a Translational Model of Acute Myocardial Infarction. Journal of the American Heart Association, 2017, 6, .	1.6	43
33	Avoidance of Calcineurin Inhibitors With Use of Proliferation Signal Inhibitors in De Novo Heart Transplantation With Renal Failure. Journal of Heart and Lung Transplantation, 2008, 27, 1135-1141.	0.3	42
34	Study design for the â€œeffect of METOprolol in CARDioproteCtioN during an acute myocardial InfarCtionâ€•(METOCARD-CNIC): A randomized, controlled parallel-group, observer-blinded clinical trial of early pre-reperfusion metoprolol administration in ST-segment elevation myocardial infarction. American Heart Journal, 2012, 164, 473-480.e5.	1.2	38
35	Noninvasive Monitoring of Serial Changes in Pulmonary Vascular Resistance and Acute Vasodilator Testing Using Cardiac Magnetic Resonance. Journal of the American College of Cardiology, 2013, 62, 1621-1631.	1.2	37
36	Beta-3 adrenergic agonists reduce pulmonary vascular resistance and improve right ventricular performance in a porcine model of chronic pulmonary hypertension. Basic Research in Cardiology, 2016, 111, 49.	2.5	36

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37	Swine Model of Chronic Postcapillary Pulmonary Hypertension with Right Ventricular Remodeling: Long-Term Characterization by Cardiac Catheterization, Magnetic Resonance, and Pathology. Journal of Cardiovascular Translational Research, 2014, 7, 494-506.	1.1	34
38	Association Between Left Ventricular Noncompaction and Vigorous Physical Activity. Journal of the American College of Cardiology, 2020, 76, 1723-1733.	1.2	34
39	Bone marrow activation in response to metabolic syndrome and early atherosclerosis. European Heart Journal, 2022, 43, 1809-1828.	1.0	34
40	A Novel Approach for Reducing Ischemic Mitral Regurgitation by Injection of a Polymer to Reverse Remodel and Reposition Displaced Papillary Muscles. Circulation, 2008, 118, S263-9.	1.6	31
41	Soluble ICAM 1 and VCAM 1 Blood Levels Alert on Subclinical Atherosclerosis in Non Smokers with Asymptomatic Metabolic Syndrome. Archives of Medical Research, 2019, 50, 20-28.	1.5	31
42	Genome-Wide Association Studyâ€“Driven Gene-Set Analyses, Genetic, and Functional Follow-Up Suggest GLIS1 as a Susceptibility Gene for Mitral Valve Prolapse. Circulation Genomic and Precision Medicine, 2019, 12, e002497.	1.6	31
43	Apical right ventricular dysfunction in patients with pulmonary hypertension demonstrated with magnetic resonance. Heart, 2011, 97, 1250-1256.	1.2	26
44	New index alpha improves detection of pulmonary hypertension in comparison with other cardiac magnetic resonance indices. International Journal of Cardiology, 2012, 161, 25-30.	0.8	25
45	Evaluation of right ventricular function and post-operative findings using cardiac computed tomography in patients with left ventricular assist devices. Journal of Heart and Lung Transplantation, 2011, 30, 896-903.	0.3	24
46	Association Between a Social-BusinessÂEating Pattern and EarlyÂAsymptomatic Atherosclerosis. Journal of the American College of Cardiology, 2016, 68, 805-814.	1.2	24
47	Subclinical Atherosclerosis and Brain Metabolism in Middle-Aged Individuals. Journal of the American College of Cardiology, 2021, 77, 888-898.	1.2	24
48	Imaging Subclinical Atherosclerosis: Is It Ready for Prime Time? A Review. Journal of Cardiovascular Translational Research, 2014, 7, 623-634.	1.1	23
49	Unbiased plasma proteomics discovery of biomarkers for improved detection of subclinical atherosclerosis. EBioMedicine, 2022, 76, 103874.	2.7	23
50	Cardiovascular imaging: what have we learned from animal models?. Frontiers in Pharmacology, 2015, 6, 227.	1.6	20
51	Effects of Colchicine on Atherosclerotic Plaque Stabilization: a Multimodality Imaging Study in an Animal Model. Journal of Cardiovascular Translational Research, 2021, 14, 150-160.	1.1	19
52	TÃ©cnicas de imagen en la evaluaciÃ³n del corazÃ³n derecho y la circulaciÃ³n pulmonar. Revista Espanola De Cardiologia, 2010, 63, 209-223.	0.6	17
53	Coronary CT and the Coronary Calcium Score, the Future of ED Risk Stratification?. Current Cardiology Reviews, 2012, 8, 86-97.	0.6	16
54	Efficacy and Safety of Out-of-Hospital Intravenous Metoprolol Administration in Anterior ST-Segment Elevation Acute Myocardial Infarction: Insights From the METOCARD-CNIC Trial. Annals of Emergency Medicine, 2015, 65, 318-324.	0.3	16

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55	Impact of Left Ventricular Hypertrophy on Troponin Release During Acute Myocardial Infarction: New Insights From a Comprehensive Translational Study. Journal of the American Heart Association, 2015, 4, e001218.	1.6	16
56	Accurate quantification of atherosclerotic plaque volume by 3D vascular ultrasound using the volumetric linear array method. Atherosclerosis, 2016, 248, 230-237.	0.4	16
57	Does Socioeconomic Status Influence the Risk of Subclinical Atherosclerosis?. Journal of the American College of Cardiology, 2019, 74, 526-535.	1.2	16
58	Design of the Î²3-Adrenergic Agonist Treatment in Chronic Pulmonary Hypertension Secondary to HeartÂFailureÂTrial. JACC Basic To Translational Science, 2020, 5, 317-327.	1.9	12
59	Clinical Validation of a 3-Dimensional Ultrafast Cardiac Magnetic Resonance Protocol Including Single Breath-Hold 3-Dimensional Sequences. JACC: Cardiovascular Imaging, 2021, 14, 1742-1754.	2.3	12
60	Lipid-Rich Obstructive Coronary Lesions. JACC: Cardiovascular Imaging, 2010, 3, 893-895.	2.3	11
61	Identification of a peripheral blood gene signature predicting aortic valve calcification. Physiological Genomics, 2020, 52, 563-574.	1.0	11
62	Accuracy of Area at Risk Quantification by Cardiac Magnetic Resonance According to the Myocardial Infarction Territory. Revista Espanola De Cardiologia (English Ed), 2017, 70, 323-330.	0.4	9
63	Respiratory ventricular area changes measured with real-time cardiac magnetic resonance: A new, accurate, and reproducible approach for the diagnosis of pericardial constriction. International Journal of Cardiology, 2013, 166, 267-271.	0.8	8
64	Impacto del territorio miocÃ¡rdico infartado enÂlaÂcuantificaciÃ³n delÂÃ¡rea enÂriesgo mediante cardiorresonancia magnÃ©tica. Revista Espanola De Cardiologia, 2017, 70, 323-330.	0.6	8
65	ImplantaciÃ³n transfemoral directa de vÃ¡lvula aÃ³rtica en paciente con prÃ³tesis mitral previa. Revista Espanola De Cardiologia, 2013, 66, 666-668.	0.6	7
66	Animal Models of Tissue Characterization of Area at Risk, Edema and Fibrosis. Current Cardiovascular Imaging Reports, 2014, 7, 1.	0.4	7
67	Coexistencia de progresiÃ³n transmural y lateral del frente de onda en el infarto de miocardio humano. Revista Espanola De Cardiologia, 2021, 74, 870-877.	0.6	7
68	Diagnostic and Prognostic Value of Coronary Computed Tomography Angiography in Patients with Severe Calcification. Journal of Cardiovascular Translational Research, 2021, 14, 131-139.	1.1	5
69	Subclinical Liver Disease Is Associated with Subclinical Atherosclerosis in Psoriasis: Results from Two Observational Studies. Journal of Investigative Dermatology, 2022, 142, 88-96.	0.3	5
70	Mechanistic insights of the left ventricle structure and fibrosis in the arrhythmogenic mitral valve prolapse. Global Cardiology Science & Practice, 2018, 2018, 4.	0.3	5
71	AurÃ¢cula izquierda gigante evaluada mediante resonancia magnÃ©tica. Revista Espanola De Cardiologia, 2011, 64, 232.	0.6	4
72	Nutritional preconditioning by marine omega-3 fatty acids in patients with ST-segment elevation myocardial infarction: A METOCARD-CNIC trial substudy. International Journal of Cardiology, 2017, 228, 828-833.	0.8	4

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73	TecnologÃa hÃbrida de PET/RM en la cardiopatÃa isquÃ©mica. Revista Espanola De Cardiologia, 2017, 70, 393.	0.6	4
74	Coexistence of transmural and lateral wavefront progression of myocardial infarction in the human heart. Revista Espanola De Cardiologia (English Ed), 2021, 74, 870-877.	0.4	3
75	Prospective Use of an Intravascular Ultrasound-Derived Minimum Lumen Area Cut-Off Value in the Assessment of Intermediate Left Main Coronary Artery Lesions. Revista Espanola De Cardiologia (English Ed), 2007, 60, 811-816.	0.4	2
76	Imagining the Future of Diagnostic Imaging. Revista Espanola De Cardiologia (English Ed), 2013, 66, 134-143.	0.4	2
77	Response to Letter Regarding Article, â€œEffect of Early Metoprolol on Infarct Size in ST-Segmentâ€“Elevation Myocardial Infarction Patients Undergoing Primary Percutaneous Coronary Intervention: The Effect of Metoprolol in Cardioprotection During an Acute Myocardial Infarction (METOCARD-CNIC) Trialâ€•. Circulation, 2014, 130, e19-20.	1.6	2
78	Effect of sildenafil on right ventricular performance in an experimental large-animal model of postcapillary pulmonary hypertension. Translational Research, 2021, 228, 64-75.	2.2	2
79	Carotid Plaque Burden by 3-Dimensional Vascular Ultrasound as a Risk Marker for Patients with Metabolic Syndrome. Journal of Cardiovascular Translational Research, 2021, 14, 1030-1039.	1.1	2
80	Imaging Techniques and the Evaluation of the Right Heart and the Pulmonary Circulation. Revista Espanola De Cardiologia (English Ed), 2010, 63, 209-223.	0.4	1
81	Multimodality Imaging of Chronic Ischemia. Cardiology Research and Practice, 2011, 2011, 1-4.	0.5	1
82	Direct Transfemoral Aortic Valve Implantation in a Patient With a Mechanical Mitral Prosthesis. Revista Espanola De Cardiologia (English Ed), 2013, 66, 666-668.	0.4	1
83	Intra-scar perfusion heterogeneity by cardiac magnetic resonance in a porcine model of non-reperfused myocardial infarction. International Journal of Cardiology, 2014, 176, 1288-1289.	0.8	1
84	Hybrid 18 F-FDG PET/MRI in Ischemic Cardiomyopathy. Revista Espanola De Cardiologia (English Ed), 2017, 70, 393.	0.4	1
85	A 52-year-old woman with ventricular tachycardia. Heart, 2018, 104, 2025-2043.	1.2	1
86	Microvascular dysfunction in hypertrophic cardiomyopathy evaluated by cardiac magnetic resonance and computed tomography. Acta Cardiologica, 2010, 65, 367-369.	0.3	1
87	Characterization of a Mediastinal Thymic Seminoma Using Cardiac Magnetic Resonance. Revista Espanola De Cardiologia (English Ed), 2012, 65, 97.	0.4	0
88	Seminoma tÃmico mediastÃnico caracterizado mediante resonancia magnÃ©tica cardiaca. Revista Espanola De Cardiologia, 2012, 65, 97.	0.6	0
89	Intra-atrial Right Coronary Artery: An Unknown Disorder. Revista Espanola De Cardiologia (English Ed) Tj ETQq1 1 0.784314 rgBT /Ove	0.4	0
90	Heart murmur with unusual diagnosis. Heart, 2020, 106, 1301-1367.	1.2	0

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91	Coronary arterial segmental stenosis quantified by MDCT: correlation with quantitative coronary analyses by invasive angiography. Revista Espanola De Cardiologia (English Ed), 2020, 73, 1068-1070.	0.4	0
92	Computed Tomography Evaluation in Valvular Heart Disease. , 2010, , 159-167.		0
93	Estudio de lesiones coronarias por segmentos mediante TCMD coronaria: correlaciÃ³n con el anÃ¡lisis cuantitativo por coronariografÂa invasiva. Revista Espanola De Cardiologia, 2020, 73, 1068-1070.	0.6	0