

# Leticia Fernández-Friera

## List of Publications by Year in descending order

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93  
papers

4,664  
citations

109264

35  
h-index

102432

66  
g-index

95  
all docs

95  
docs citations

95  
times ranked

7351  
citing authors

#	ARTICLE	IF	CITATIONS
1	Subclinical Liver Disease Is Associated with Subclinical Atherosclerosis in Psoriasis: Results from Two Observational Studies. <i>Journal of Investigative Dermatology</i> , 2022, 142, 88-96.	0.3	5
2	Unbiased plasma proteomics discovery of biomarkers for improved detection of subclinical atherosclerosis. <i>EBioMedicine</i> , 2022, 76, 103874.	2.7	23
3	Bone marrow activation in response to metabolic syndrome and early atherosclerosis. <i>European Heart Journal</i> , 2022, 43, 1809-1828.	1.0	34
4	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.	0.4	3
5	Diagnostic and Prognostic Value of Coronary Computed Tomography Angiography in Patients with Severe Calcification. <i>Journal of Cardiovascular Translational Research</i> , 2021, 14, 131-139.	1.1	5
6	Effects of Colchicine on Atherosclerotic Plaque Stabilization: a Multimodality Imaging Study in an Animal Model. <i>Journal of Cardiovascular Translational Research</i> , 2021, 14, 150-160.	1.1	19
7	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.	2.2	2
8	Subclinical Atherosclerosis and Brain Metabolism in Middle-Aged Individuals. <i>Journal of the American College of Cardiology</i> , 2021, 77, 888-898.	1.2	24
9	Carotid Plaque Burden by 3-Dimensional Vascular Ultrasound as a Risk Marker for Patients with Metabolic Syndrome. <i>Journal of Cardiovascular Translational Research</i> , 2021, 14, 1030-1039.	1.1	2
10	Triglycerides and Residual Atherosclerotic Risk. <i>Journal of the American College of Cardiology</i> , 2021, 77, 3031-3041.	1.2	82
11	Glycated Hemoglobin and Subclinical Atherosclerosis in People Without Diabetes. <i>Journal of the American College of Cardiology</i> , 2021, 77, 2777-2791.	1.2	49
12	Progression of Early Subclinical Atherosclerosis (PESA) Study. <i>Journal of the American College of Cardiology</i> , 2021, 78, 156-179.	1.2	56
13	Clinical Validation of a 3-Dimensional Ultrafast Cardiac Magnetic Resonance Protocol Including Single Breath-Hold 3-Dimensional Sequences. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1742-1754.	2.3	12
14	Coexistencia de progresión transmural y lateral del frente de onda en el infarto de miocardio humano. <i>Revista Espanola De Cardiologia</i> , 2021, 74, 870-877.	0.6	7
15	Machine Learning Improves Cardiovascular Risk Definition for Young, Asymptomatic Individuals. <i>Journal of the American College of Cardiology</i> , 2020, 76, 1674-1685.	1.2	44
16	Association Between Left Ventricular Noncompaction and Vigorous Physical Activity. <i>Journal of the American College of Cardiology</i> , 2020, 76, 1723-1733.	1.2	34
17	Heart murmur with unusual diagnosis. <i>Heart</i> , 2020, 106, 1301-1367.	1.2	0
18	Identification of a peripheral blood gene signature predicting aortic valve calcification. <i>Physiological Genomics</i> , 2020, 52, 563-574.	1.0	11

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19	Coronary arterial segmental stenosis quantified by MDCT: correlation with quantitative coronary analyses by invasive angiography. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2020, 73, 1068-1070.	0.4	0
20	Design of the $\beta$ <sup>23</sup> -Adrenergic Agonist Treatment in Chronic Pulmonary Hypertension Secondary to Heart Failure Trial. <i>JACC Basic To Translational Science</i> , 2020, 5, 317-327.	1.9	12
21	Short-Term Progression of Multiterritorial Subclinical Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2020, 75, 1617-1627.	1.2	55
22	Estudio de lesiones coronarias por segmentos mediante TCMD coronaria: correlación con el análisis cuantitativo por coronariografía invasiva. <i>Revista Espanola De Cardiologia</i> , 2020, 73, 1068-1070.	0.6	0
23	Does Socioeconomic Status Influence the Risk of Subclinical Atherosclerosis?. <i>Journal of the American College of Cardiology</i> , 2019, 74, 526-535.	1.2	16
24	Soluble ICAM 1 and VCAM 1 Blood Levels Alert on Subclinical Atherosclerosis in Non Smokers with Asymptomatic Metabolic Syndrome. <i>Archives of Medical Research</i> , 2019, 50, 20-28.	1.5	31
25	Genome-Wide Association Study-Driven Gene-Set Analyses, Genetic, and Functional Follow-Up Suggest <i>GLIS1</i> as a Susceptibility Gene for Mitral Valve Prolapse. <i>Circulation Genomic and Precision Medicine</i> , 2019, 12, e002497.	1.6	31
26	Vascular Inflammation in Subclinical Atherosclerosis Detected by Hybrid PET/MRI. <i>Journal of the American College of Cardiology</i> , 2019, 73, 1371-1382.	1.2	111
27	Association of Sleep Duration and Quality With Subclinical Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2019, 73, 134-144.	1.2	145
28	Intra-atrial Right Coronary Artery: An Unknown Disorder. <i>Revista Espanola De Cardiologia (English Ed)</i> 74(10):1070-1074	0.4	0
29	A 52-year-old woman with ventricular tachycardia. <i>Heart</i> , 2018, 104, 2025-2043.	1.2	1
30	Mechanistic insights of the left ventricle structure and fibrosis in the arrhythmogenic mitral valve prolapse. <i>Global Cardiology Science &amp; Practice</i> , 2018, 2018, 4.	0.3	5
31	Impacto del territorio miocárdico infartado en la cuantificación del área en riesgo mediante cardi resonancia magnética. <i>Revista Espanola De Cardiologia</i> , 2017, 70, 323-330.	0.6	8
32	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
33	Nutritional preconditioning by marine omega-3 fatty acids in patients with ST-segment elevation myocardial infarction: A METOCARD-CNIC trial substudy. <i>International Journal of Cardiology</i> , 2017, 228, 828-833.	0.8	4
34	The Importance of Breakfast in Atherosclerosis Disease. <i>Journal of the American College of Cardiology</i> , 2017, 70, 1833-1842.	1.2	90
35	Normal LDL-Cholesterol Levels Are Associated With Subclinical Atherosclerosis in the Absence of Risk Factors. <i>Journal of the American College of Cardiology</i> , 2017, 70, 2979-2991.	1.2	240
36	Predicting Subclinical Atherosclerosis in Low-Risk Individuals. <i>Journal of the American College of Cardiology</i> , 2017, 70, 2463-2473.	1.2	55

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37	Subclinical Atherosclerosis Burden by 3D Ultrasound in Mid-Life. <i>Journal of the American College of Cardiology</i> , 2017, 70, 301-313.	1.2	94
38	Hybrid 18 F-FDG PET/MRI in Ischemic Cardiomyopathy. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2017, 70, 393.	0.4	1
39	Tecnología hÍbrida de PET/RM en la cardiopatía isquémica. <i>Revista Espanola De Cardiologia</i> , 2017, 70, 393.	0.6	4
40	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.	0.4	9
41	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.	1.2	84
42	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
43	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
44	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
45	A clinical method for mapping and quantifying blood stasis in the left ventricle. <i>Journal of Biomechanics</i> , 2016, 49, 2152-2161.	0.9	54
46	Cardiovascular imaging: what have we learned from animal models?. <i>Frontiers in Pharmacology</i> , 2015, 6, 227.	1.6	20
47	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.	0.3	16
48	Association of Myocardial T1-Mapping CMR With Hemodynamics and RV Performance in Pulmonary Hypertension. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 76-82.	2.3	71
49	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.	1.6	16
50	Prevalence, Vascular Distribution, and Multiterritorial Extent of Subclinical Atherosclerosis in a Middle-Aged Cohort. <i>Circulation</i> , 2015, 131, 2104-2113.	1.6	352
51	Mitral valve disease—morphology and mechanisms. <i>Nature Reviews Cardiology</i> , 2015, 12, 689-710.	6.1	281
52	Mutations in DCHS1 cause mitral valve prolapse. <i>Nature</i> , 2015, 525, 109-113.	13.7	150
53	Genetic association analyses highlight biological pathways underlying mitral valve prolapse. <i>Nature Genetics</i> , 2015, 47, 1206-1211.	9.4	103
54	Myocardial Edema After Ischemia/Reperfusion Is Not Stable and Follows Bimodal Pattern. <i>Journal of the American College of Cardiology</i> , 2015, 65, 315-323.	1.2	185

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55	Imaging Subclinical Atherosclerosis: Is It Ready for Prime Time? A Review. <i>Journal of Cardiovascular Translational Research</i> , 2014, 7, 623-634.	1.1	23
56	Response to Letter Regarding Article, "Effect 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€". <i>Circulation</i> , 2014, 130, e19-20.	1.6	2
57	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.	1.2	162
58	Animal Models of Tissue Characterization of Area at Risk, Edema and Fibrosis. <i>Current Cardiovascular Imaging Reports</i> , 2014, 7, 1.	0.4	7
59	Intra-scar perfusion heterogeneity by cardiac magnetic resonance in a porcine model of non-reperfused myocardial infarction. <i>International Journal of Cardiology</i> , 2014, 176, 1288-1289.	0.8	1
60	Î²3 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
61	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
62	Imagining the Future of Diagnostic Imaging. <i>Revista Espanola De Cardiologia (English Ed )</i> , 2013, 66, 134-143.	0.4	2
63	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
64	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
65	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
66	Implantaci3n transfemoral directa de v3lvula a3rtica en paciente con pr3tesis mitral previa. <i>Revista Espanola De Cardiologia</i> , 2013, 66, 666-668.	0.6	7
67	Direct Transfemoral Aortic Valve Implantation in a Patient With a Mechanical Mitral Prosthesis. <i>Revista Espanola De Cardiologia (English Ed )</i> , 2013, 66, 666-668.	0.4	1
68	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.	0.8	8
69	Mutations in the NOTCH pathway regulator MIB1 cause left ventricular noncompaction cardiomyopathy. <i>Nature Medicine</i> , 2013, 19, 193-201.	15.2	296
70	Coronary CT and the Coronary Calcium Score, the Future of ED Risk Stratification?. <i>Current Cardiology Reviews</i> , 2012, 8, 86-97.	0.6	16
71	Detection of subclinical atherosclerosis in familial hypercholesterolemia using non-invasive imaging modalities. <i>Atherosclerosis</i> , 2012, 222, 468-472.	0.4	43
72	Characterization of a Mediastinal Thymic Seminoma Using Cardiac Magnetic Resonance. <i>Revista Espanola De Cardiologia (English Ed )</i> , 2012, 65, 97.	0.4	0

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73	Right ventriculo-arterial coupling in pulmonary hypertension: a magnetic resonance study. <i>Heart</i> , 2012, 98, 238-243.	1.2	247
74	Seminoma tmico mediastnico caracterizado mediante resonancia magntica cardiaca. <i>Revista Espanola De Cardiologia</i> , 2012, 65, 97.	0.6	0
75	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.	0.8	25
76	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
77	Impact of Aortic Regurgitation After Transcatheter Aortic Valve Implantation. <i>JACC: Cardiovascular Imaging</i> , 2012, 5, 469-477.	2.3	45
78	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.	0.7	56
79	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.	0.3	24
80	Aurcula izquierda gigante evaluada mediante resonancia magntica. <i>Revista Espanola De Cardiologia</i> , 2011, 64, 232.	0.6	4
81	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.	0.7	44
82	Apical right ventricular dysfunction in patients with pulmonary hypertension demonstrated with magnetic resonance. <i>Heart</i> , 2011, 97, 1250-1256.	1.2	26
83	Non-invasive estimation of pulmonary vascular resistance with cardiac magnetic resonance. <i>European Heart Journal</i> , 2011, 32, 2438-2445.	1.0	79
84	Multimodality Imaging of Chronic Ischemia. <i>Cardiology Research and Practice</i> , 2011, 2011, 1-4.	0.5	1
85	Lipid-Rich Obstructive Coronary Lesions. <i>JACC: Cardiovascular Imaging</i> , 2010, 3, 893-895.	2.3	11
86	Imaging Techniques and the Evaluation of the Right Heart and the Pulmonary Circulation. <i>Revista Espanola De Cardiologia (English Ed )</i> , 2010, 63, 209-223.	0.4	1
87	Tcnicas de imagen en la evaluacin del corazn derecho y la circulacin pulmonar. <i>Revista Espanola De Cardiologia</i> , 2010, 63, 209-223.	0.6	17
88	Microvascular dysfunction in hypertrophic cardiomyopathy evaluated by cardiac magnetic resonance and computed tomography. <i>Acta Cardiologica</i> , 2010, 65, 367-369.	0.3	1
89	Computed Tomography Evaluation in Valvular Heart Disease. , 2010, , 159-167.		0
90	Mechanism of Decrease in Mitral Regurgitation After Cardiac Resynchronization Therapy. <i>Circulation: Cardiovascular Imaging</i> , 2009, 2, 444-450.	1.3	68

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91	Avoidance of Calcineurin Inhibitors With Use of Proliferation Signal Inhibitors in De Novo Heart Transplantation With Renal Failure. <i>Journal of Heart and Lung Transplantation</i> , 2008, 27, 1135-1141.	0.3	42
92	A Novel Approach for Reducing Ischemic Mitral Regurgitation by Injection of a Polymer to Reverse Remodel and Reposition Displaced Papillary Muscles. <i>Circulation</i> , 2008, 118, S263-9.	1.6	31
93	Prospective Use of an Intravascular Ultrasound-Derived Minimum Lumen Area Cut-Off Value in the Assessment of Intermediate Left Main Coronary Artery Lesions. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2007, 60, 811-816.	0.4	2