Juan Fernndez-Armenta

List of Publications by Year in Descending Order

75 papers	1,781 citations	21 h-index	40 g-index
77 ext. papers	2,270 ext. citations	4.8 avg, IF	4.13 L-index

#	Paper	IF	Citations
75	Premature ventricular complex site of origin and ablation outcomes in patients with diabetes mellitus.. *Minerva Cardiology and Angiology*, **2022**,	2.4	1
74	Cardiovascular magnetic resonance determinants of ventricular arrhythmic events after myocardial infarction. *Europace*, **2021**,	3.9	3
73	MANual vs. automatIC local activation time annotation for guiding Premature Ventricular Complex ablation procedures (MANIaC-PVC study). *Europace*, **2021**, 23, 1285-1294	3.9	0
72	Long-term prognosis of women with Brugada syndrome and electrophysiological study. *Heart Rhythm*, **2021**, 18, 664-671	6.7	4
71	Premature ventricular complex site of origin and ablation outcomes in patients with prior myocardial infarction. *Heart Rhythm*, **2021**, 18, 27-33	6.7	5
70	Arrhythmogenic substrate detection in chronic ischaemic patients undergoing ventricular tachycardia ablation using multidetector cardiac computed tomography: compared evaluation with cardiac magnetic resonance. *Europace*, **2021**, 23, 82-90	3.9	5
69	Impact of a predefined pacemapping protocol use for ablation of infrequent premature ventricular complexes: A prospective, multicenter study. *Heart Rhythm*, **2021**, 18, 1709-1716	6.7	0
68	Automatic Detection of Slow Conducting Channels during Substrate Ablation of Scar-Related Ventricular Arrhythmias. *Journal of Interventional Cardiology*, **2020**, 2020, 4386841	1.8	
67	Cardiac Magnetic Resonance-Guided Ventricular Tachycardia Substrate Ablation. *JACC: Clinical Electrophysiology*, **2020**, 6, 436-447	4.6	22
66	Influence of baseline QRS on the left ventricular ejection fraction recovery after frequent premature ventricular complex ablation. *Europace*, **2020**, 22, 274-280	3.9	2
65	Follow-Up After Myocardial Infarction to Explore the Stability of Arrhythmogenic Substrate: The Footprint Study. *JACC: Clinical Electrophysiology*, **2020**, 6, 207-218	4.6	12
64	Safety and Outcomes of Ventricular Tachycardia Substrate Ablation During Sinus Rhythm: A Prospective Multicenter Registry. *JACC: Clinical Electrophysiology*, **2020**, 6, 1435-1448	4.6	5
63	Ventricular arrhythmia risk is associated with myocardial scar but not with response to cardiac resynchronization therapy. *Europace*, **2020**, 22, 1391-1400	3.9	8
62	Emerging role of microRNAs in dilated cardiomyopathy: evidence regarding etiology. *Translational Research*, **2020**, 215, 86-101	11	20
61	Mortality and morbidity reduction after frequent premature ventricular complexes ablation in patients with left ventricular systolic dysfunction. *Europace*, **2019**, 21, 1079-1087	3.9	20
60	Scar-Related Ventricular Tachycardia Mapping and Ablation Using Contrast-Enhanced Magnetic Resonance Imaging **2019**, 1062-1072		
59	Prediction of premature ventricular complex origin in left vs. right ventricular outflow tract: a novel anatomical imaging approach. *Europace*, **2019**, 21, 147-153	3.9	3

58	Influence of myocardial scar on the response to frequent premature ventricular complex ablation. *Heart*, **2019**, 105, 378-383	5.1	12
57	Clinical validation of automatic local activation time annotation during focal premature ventricular complex ablation procedures. *Europace*, **2018**, 20, f171-f178	3.9	4
56	Image-based criteria to identify the presence of epicardial arrhythmogenic substrate in patients with transmural myocardial infarction. *Heart Rhythm*, **2018**, 15, 814-821	6.7	20
55	Multielectrode vs. point-by-point mapping for ventricular tachycardia substrate ablation: a randomized study. *Europace*, **2018**, 20, 512-519	3.9	31
54	Elucidation of hidden slow conduction by double ventricular extrastimuli: a method for further arrhythmic substrate identification in ventricular tachycardia ablation procedures. *Europace*, **2018**, 20, 337-346	3.9	18
53	Long-term prognosis of patients with life-threatening ventricular arrhythmias induced by coronary artery spasm. *Europace*, **2018**, 20, 851-858	3.9	16
52	Response to flecainide test in Andersen-Tawil syndrome with incessant ventricular tachycardia. *PACE - Pacing and Clinical Electrophysiology*, **2018**, 41, 429-432	1.6	2
51	Automatic activation mapping and origin identification of idiopathic outflow tract ventricular arrhythmias. *Journal of Electrocardiology*, **2018**, 51, 239-246	1.4	1
50	A QRS axis-based algorithm to identify the origin of scar-related ventricular tachycardia in the 17-segment American Heart Association model. *Heart Rhythm*, **2018**, 15, 1491-1497	6.7	19
49	Scar Characterization to Predict Life-Threatening Arrhythmic Events and Sudden Cardiac Death in Patients With Cardiac Resynchronization Therapy: The GAUDI-CRT Study. *JACC: Cardiovascular Imaging*, **2018**, 11, 561-572	8.4	59
48	Identification of the potentially arrhythmogenic substrate in the acute phase of ST-segment elevation myocardial infarction. *Heart Rhythm*, **2017**, 14, 592-598	6.7	5
47	Quantitative Analysis of Electro-Anatomical Maps: Application to an Experimental Model of Left Bundle Branch Block/Cardiac Resynchronization Therapy. *IEEE Journal of Translational Engineering in Health and Medicine*, **2017**, 5, 1900215	3	9
46	Epicardial ablation may not be necessary in all patients with arrhythmogenic right ventricular dysplasia/cardiomyopathy and frequent ventricular tachycardia: authors reply. *Europace*, **2017**, 19, 2047-2048	3.9	14
45	Safety, long-term outcomes and predictors of recurrence after first-line combined endoepicardial ventricular tachycardia substrate ablation in arrhythmogenic cardiomyopathy. Impact of arrhythmic substrate distribution pattern. A prospective multicentre study. *Europace*, **2017**, 19, 607-616	3.9	25
44	Cardiac magnetic resonance-aided scar dechanneling: Influence on acute and long-term outcomes. *Heart Rhythm*, **2017**, 14, 1121-1128	6.7	85
43	Clinical recognition of pure premature ventricular complex-induced cardiomyopathy at presentation. *Heart Rhythm*, **2017**, 14, 1864-1870	6.7	28
42	Long-term benefit of first-line peri-implantable cardioverter-defibrillator implant ventricular tachycardia-substrate ablation in secondary prevention patients. *Europace*, **2017**, 19, 976-982	3.9	6
41	Infarct transmurality as a criterion for first-line endo-epicardial substrate-guided ventricular tachycardia ablation in ischemic cardiomyopathy. *Heart Rhythm*, **2016**, 13, 85-95	6.7	48

40	Integration of electro-anatomical and imaging data of the left ventricle: An evaluation framework. *Medical Image Analysis*, **2016**, 32, 131-44	15.4	16
39	Prevención primaria de muerte súbita en pacientes con miocardiopatía valvular. *Revista Espanola De Cardiologia*, **2016**, 69, 272-278	1.5	2
38	Substrate modification or ventricular tachycardia induction, mapping, and ablation as the first step? A randomized study. *Heart Rhythm*, **2016**, 13, 1589-95	6.7	40
37	Ablación de taquicardia ventricular. Indicaciones y resultados. *Cardiocore*, **2016**, 51, 99-103		0
36	Evaluación comparativa de cuatro puntuaciones de´riesgo para´predecir la´mortalidad de´pacientes con´desfibrilador automático implantable en´prevención primaria. *Revista Espanola De Cardiologia*, **2016**, 69, 1033-1041	1.5	0
35	An easy-to-use, operator-independent, clinical model to predict the left vs. right ventricular outflow tract origin of ventricular arrhythmias. *Europace*, **2015**, 17, 1122-8	3.9	12
34	Scar dechanneling: new method for scar-related left ventricular tachycardia substrate ablation. *Circulation: Arrhythmia and Electrophysiology*, **2015**, 8, 326-36	6.4	130
33	Optimized pacing mode for hypertrophic cardiomyopathy: Impact of ECG fusion during pacing. *Heart Rhythm*, **2015**, 12, 909-16	6.7	8
32	Impact of earliest activation site location in the septal right ventricular outflow tract for identification of left vs right outflow tract origin of idiopathic ventricular arrhythmias. *Heart Rhythm*, **2015**, 12, 726-34	6.7	21
31	Ablation of frequent PVC in patients meeting criteria for primary prevention ICD implant: Safety of withholding the implant. *Heart Rhythm*, **2015**, 12, 2434-42	6.7	28
30	Approach to ablation of unmappable ventricular arrhythmias. *Cardiac Electrophysiology Clinics*, **2015** , 7, 527-37	1.4	5
29	Quantification of local changes in myocardial motion by diffeomorphic registration via currents: application to paced hypertrophic obstructive cardiomyopathy in 2D echocardiographic sequences. *Medical Image Analysis*, **2015**, 19, 203-19	15.4	4
28	Ablación de taquicardia ventricular en displasia arritmogénica del ventrículo derecho. *Revista Colombiana De Cardiologia*, **2015**, 22, 88-96	0.1	
27	3D delayed-enhanced magnetic resonance sequences improve conducting channel delineation prior to ventricular tachycardia ablation. *Europace*, **2015**, 17, 938-45	3.9	62
26	Quantitative Analysis of Lead Position vs. Correction of Electrical Dyssynchrony in an Experimental Model of LBBB/CRT. *Lecture Notes in Computer Science*, **2015**, 74-82	0.9	
25	Transthoracic epicardial ablation of mitral isthmus for treatment of recurrent perimitral flutter. *Heart Rhythm*, **2014**, 11, 26-33	6.7	11
24	Use of MRI to guide electrophysiology procedures. *Heart*, **2014**, 100, 1975-84	5.1	11
23	A wavelet-based electrogram onset delineator for automatic ventricular activation mapping. *IEEE Transactions on Biomedical Engineering*, **2014**, 61, 2830-9	5	12

22	Myocardial motion and deformation patterns in an experimental swine model of acute LBBB/CRT and chronic infarct. *International Journal of Cardiovascular Imaging*, **2014**, 30, 875-87	2.5	12
21	Sinus rhythm detection of conducting channels and ventricular tachycardia isthmus in arrhythmogenic right ventricular cardiomyopathy. *Heart Rhythm*, **2014**, 11, 747-54	6.7	40
20	Epicardial ablation: prevention of phrenic nerve damage by pericardial injection of saline and the use of a steerable sheath. *Indian Pacing and Electrophysiology Journal*, **2014**, 14, 87-93	1.5	4
19	Pre to Intraoperative Data Fusion Framework for Multimodal Characterization of Myocardial Scar Tissue. *IEEE Journal of Translational Engineering in Health and Medicine*, **2014**, 2, 1900211	3	2
18	Usefulness of contrast-enhanced cardiac magnetic resonance in identifying the ventricular arrhythmia substrate and the approach needed for ablation. *European Heart Journal*, **2014**, 35, 1316-26	9.5	91
17	Letter by Berruezo et al regarding article, "Impact of local ablation on interconnected channels within ventricular scar: mechanistic implications for substrate modification". *Circulation: Arrhythmia and Electrophysiology*, **2014**, 7, 362	6.4	
16	CMR-guided approach to localize and ablate gaps in repeat AF ablation procedure. *JACC: Cardiovascular Imaging*, **2014**, 7, 653-63	8.4	95
15	How to recognize epicardial origin of ventricular tachycardias?. *Current Cardiology Reviews*, **2014**, 10, 246-56	2.4	15
14	Development of a swine model of left bundle branch block for experimental studies of cardiac resynchronization therapy. *Journal of Cardiovascular Translational Research*, **2013**, 6, 616-22	3.3	14
13	Neurohormonal, structural, and functional recovery pattern after premature ventricular complex ablation is independent of structural heart disease status in patients with depressed left ventricular ejection fraction: a prospective multicenter study. *Journal of the American College of Cardiology*, **2013**, 62, 1195-202	15.1	75
12	Interventional endocardial motion estimation from electroanatomical mapping data: application to scar characterization. *IEEE Transactions on Biomedical Engineering*, **2013**, 60, 1217-24	5	7
11	Three-dimensional architecture of scar and conducting channels based on high resolution ce-CMR: insights for ventricular tachycardia ablation. *Circulation: Arrhythmia and Electrophysiology*, **2013**, 6, 528-37	6.4	133
10	Evaluation of Different Mapping Techniques for the Integration of Electro-Anatomical Voltage and Imaging Data of the Left Ventricle. *Lecture Notes in Computer Science*, **2013**, 391-399	0.9	2
9	Displacement of the target ablation site and ventricles during premature ventricular contractions: relevance for radiofrequency catheter ablation. *Heart Rhythm*, **2012**, 9, 1050-7	6.7	13
8	Farmacologí de dabigatrí y su manejo clínico. *Revista Espanola De Cardiologia Suplementos*, **2012**, 12, 18-24	0.2	
7	Improving safety of epicardial ventricular tachycardia ablation using the scar dechanneling technique and the integration of anatomy, scar components, and coronary arteries into the navigation system. *Circulation*, **2012**, 125, e466-8	16.7	13
6	Combined endocardial and epicardial catheter ablation in arrhythmogenic right ventricular dysplasia incorporating scar dechanneling technique. *Circulation: Arrhythmia and Electrophysiology*, **2012**, 5, 111-21	6.4	153
5	Mapping data predictors of a left ventricular outflow tract origin of idiopathic ventricular tachycardia with V3 transition and septal earliest activation. *Circulation: Arrhythmia and Electrophysiology*, **2012**, 5, 484-91	6.4	24

4	Use of myocardial scar characterization to predict ventricular arrhythmia in cardiac resynchronization therapy. *Europace*, **2012**, 14, 1578-86	3.9	55
3	Biventricular pacing in hypertrophic obstructive cardiomyopathy: a pilot study. *Heart Rhythm*, **2011**, 8, 221-7	6.7	30
2	Integration of 3D electroanatomic maps and magnetic resonance scar characterization into the navigation system to guide ventricular tachycardia ablation. *Circulation: Arrhythmia and Electrophysiology*, **2011**, 4, 674-83	6.4	121
1	Quadricuspid pulmonary valve identified by transthoracic echocardiography. *Echocardiography*, **2009**, 26, 288-90	1.5	5