

Juan Fernandez-Armenta

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Combined endocardial and epicardial catheter ablation in arrhythmogenic right ventricular dysplasia incorporating scar dechanneling technique. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012 , 5, 111-21	6.4	153
74	Three-dimensional architecture of scar and conducting channels based on high resolution ce-CMR: insights for ventricular tachycardia ablation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013 , 6, 528-37	6.4	133
73	Scar dechanneling: new method for scar-related left ventricular tachycardia substrate ablation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015 , 8, 326-36	6.4	130
72	Integration of 3D electroanatomic maps and magnetic resonance scar characterization into the navigation system to guide ventricular tachycardia ablation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2011 , 4, 674-83	6.4	121
71	CMR-guided approach to localize and ablate gaps in repeat AF ablation procedure. <i>JACC: Cardiovascular Imaging</i> , 2014 , 7, 653-63	8.4	95
70	Usefulness of contrast-enhanced cardiac magnetic resonance in identifying the ventricular arrhythmia substrate and the approach needed for ablation. <i>European Heart Journal</i> , 2014 , 35, 1316-26	9.5	91
69	Cardiac magnetic resonance-aided scar dechanneling: Influence on acute and long-term outcomes. <i>Heart Rhythm</i> , 2017 , 14, 1121-1128	6.7	85
68	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. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 1195-202	15.1	75
67	3D delayed-enhanced magnetic resonance sequences improve conducting channel delineation prior to ventricular tachycardia ablation. <i>Europace</i> , 2015 , 17, 938-45	3.9	62
66	Scar Characterization to Predict Life-Threatening Arrhythmic Events and Sudden Cardiac Death in Patients With Cardiac Resynchronization Therapy: The GAUDI-CRT Study. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 561-572	8.4	59
65	Use of myocardial scar characterization to predict ventricular arrhythmia in cardiac resynchronization therapy. <i>Europace</i> , 2012 , 14, 1578-86	3.9	55
64	Infarct transmuralty as a criterion for first-line endo-epicardial substrate-guided ventricular tachycardia ablation in ischemic cardiomyopathy. <i>Heart Rhythm</i> , 2016 , 13, 85-95	6.7	48
63	Sinus rhythm detection of conducting channels and ventricular tachycardia isthmus in arrhythmogenic right ventricular cardiomyopathy. <i>Heart Rhythm</i> , 2014 , 11, 747-54	6.7	40
62	Substrate modification or ventricular tachycardia induction, mapping, and ablation as the first step? A randomized study. <i>Heart Rhythm</i> , 2016 , 13, 1589-95	6.7	40
61	Multielectrode vs. point-by-point mapping for ventricular tachycardia substrate ablation: a randomized study. <i>Europace</i> , 2018 , 20, 512-519	3.9	31
60	Biventricular pacing in hypertrophic obstructive cardiomyopathy: a pilot study. <i>Heart Rhythm</i> , 2011 , 8, 221-7	6.7	30
59	Ablation of frequent PVC in patients meeting criteria for primary prevention ICD implant: Safety of withholding the implant. <i>Heart Rhythm</i> , 2015 , 12, 2434-42	6.7	28

58	Clinical recognition of pure premature ventricular complex-induced cardiomyopathy at presentation. <i>Heart Rhythm</i> , 2017 , 14, 1864-1870	6.7	28
57	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. <i>Europace</i> , 2017 , 19, 607-616	3.9	25
56	Mapping data predictors of a left ventricular outflow tract origin of idiopathic ventricular tachycardia with V3 transition and septal earliest activation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012 , 5, 484-91	6.4	24
55	Cardiac Magnetic Resonance-Guided Ventricular Tachycardia Substrate Ablation. <i>JACC: Clinical Electrophysiology</i> , 2020 , 6, 436-447	4.6	22
54	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. <i>Heart Rhythm</i> , 2015 , 12, 726-34	6.7	21
53	Mortality and morbidity reduction after frequent premature ventricular complexes ablation in patients with left ventricular systolic dysfunction. <i>Europace</i> , 2019 , 21, 1079-1087	3.9	20
52	Image-based criteria to identify the presence of epicardial arrhythmogenic substrate in patients with transmural myocardial infarction. <i>Heart Rhythm</i> , 2018 , 15, 814-821	6.7	20
51	Emerging role of microRNAs in dilated cardiomyopathy: evidence regarding etiology. <i>Translational Research</i> , 2020 , 215, 86-101	11	20
50	A QRS axis-based algorithm to identify the origin of scar-related ventricular tachycardia in the 17-segment American Heart Association model. <i>Heart Rhythm</i> , 2018 , 15, 1491-1497	6.7	19
49	Elucidation of hidden slow conduction by double ventricular extrastimuli: a method for further arrhythmic substrate identification in ventricular tachycardia ablation procedures. <i>Europace</i> , 2018 , 20, 337-346	3.9	18
48	Long-term prognosis of patients with life-threatening ventricular arrhythmias induced by coronary artery spasm. <i>Europace</i> , 2018 , 20, 851-858	3.9	16
47	Integration of electro-anatomical and imaging data of the left ventricle: An evaluation framework. <i>Medical Image Analysis</i> , 2016 , 32, 131-44	15.4	16
46	How to recognize epicardial origin of ventricular tachycardias?. <i>Current Cardiology Reviews</i> , 2014 , 10, 246-56	2.4	15
45	Epicardial ablation may not be necessary in all patients with arrhythmogenic right ventricular dysplasia/cardiomyopathy and frequent ventricular tachycardia: authors reply. <i>Europace</i> , 2017 , 19, 2047-2048	3.9	14
44	Development of a swine model of left bundle branch block for experimental studies of cardiac resynchronization therapy. <i>Journal of Cardiovascular Translational Research</i> , 2013 , 6, 616-22	3.3	14
43	Displacement of the target ablation site and ventricles during premature ventricular contractions: relevance for radiofrequency catheter ablation. <i>Heart Rhythm</i> , 2012 , 9, 1050-7	6.7	13
42	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. <i>Circulation</i> , 2012 , 125, e466-8	16.7	13
41	An easy-to-use, operator-independent, clinical model to predict the left vs. right ventricular outflow tract origin of ventricular arrhythmias. <i>Europace</i> , 2015 , 17, 1122-8	3.9	12

40	A wavelet-based electrogram onset delineator for automatic ventricular activation mapping. <i>IEEE Transactions on Biomedical Engineering</i> , 2014 , 61, 2830-9	5	12
39	Myocardial motion and deformation patterns in an experimental swine model of acute LBBB/CRT and chronic infarct. <i>International Journal of Cardiovascular Imaging</i> , 2014 , 30, 875-87	2.5	12
38	Follow-Up After Myocardial Infarction to Explore the Stability of Arrhythmogenic Substrate: The Footprint Study. <i>JACC: Clinical Electrophysiology</i> , 2020 , 6, 207-218	4.6	12
37	Influence of myocardial scar on the response to frequent premature ventricular complex ablation. <i>Heart</i> , 2019 , 105, 378-383	5.1	12
36	Transthoracic epicardial ablation of mitral isthmus for treatment of recurrent perimitral flutter. <i>Heart Rhythm</i> , 2014 , 11, 26-33	6.7	11
35	Use of MRI to guide electrophysiology procedures. <i>Heart</i> , 2014 , 100, 1975-84	5.1	11
34	Quantitative Analysis of Electro-Anatomical Maps: Application to an Experimental Model of Left Bundle Branch Block/Cardiac Resynchronization Therapy. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2017 , 5, 1900215	3	9
33	Optimized pacing mode for hypertrophic cardiomyopathy: Impact of ECG fusion during pacing. <i>Heart Rhythm</i> , 2015 , 12, 909-16	6.7	8
32	Ventricular arrhythmia risk is associated with myocardial scar but not with response to cardiac resynchronization therapy. <i>Europace</i> , 2020 , 22, 1391-1400	3.9	8
31	Interventional endocardial motion estimation from electroanatomical mapping data: application to scar characterization. <i>IEEE Transactions on Biomedical Engineering</i> , 2013 , 60, 1217-24	5	7
30	Long-term benefit of first-line peri-implantable cardioverter-defibrillator implant ventricular tachycardia-substrate ablation in secondary prevention patients. <i>Europace</i> , 2017 , 19, 976-982	3.9	6
29	Identification of the potentially arrhythmogenic substrate in the acute phase of ST-segment elevation myocardial infarction. <i>Heart Rhythm</i> , 2017 , 14, 592-598	6.7	5
28	Approach to ablation of unmappable ventricular arrhythmias. <i>Cardiac Electrophysiology Clinics</i> , 2015 , 7, 527-37	1.4	5
27	Quadricuspid pulmonary valve identified by transthoracic echocardiography. <i>Echocardiography</i> , 2009 , 26, 288-90	1.5	5
26	Safety and Outcomes of Ventricular Tachycardia Substrate Ablation During Sinus Rhythm: A Prospective Multicenter Registry. <i>JACC: Clinical Electrophysiology</i> , 2020 , 6, 1435-1448	4.6	5
25	Premature ventricular complex site of origin and ablation outcomes in patients with prior myocardial infarction. <i>Heart Rhythm</i> , 2021 , 18, 27-33	6.7	5
24	Arrhythmogenic substrate detection in chronic ischaemic patients undergoing ventricular tachycardia ablation using multidetector cardiac computed tomography: compared evaluation with cardiac magnetic resonance. <i>Europace</i> , 2021 , 23, 82-90	3.9	5
23	Quantification of local changes in myocardial motion by diffeomorphic registration via currents: application to paced hypertrophic obstructive cardiomyopathy in 2D echocardiographic sequences. <i>Medical Image Analysis</i> , 2015 , 19, 203-19	15.4	4

22	Clinical validation of automatic local activation time annotation during focal premature ventricular complex ablation procedures. <i>Europace</i> , 2018 , 20, f171-f178	3.9	4
21	Epicardial ablation: prevention of phrenic nerve damage by pericardial injection of saline and the use of a steerable sheath. <i>Indian Pacing and Electrophysiology Journal</i> , 2014 , 14, 87-93	1.5	4
20	Long-term prognosis of women with Brugada syndrome and electrophysiological study. <i>Heart Rhythm</i> , 2021 , 18, 664-671	6.7	4
19	Prediction of premature ventricular complex origin in left vs. right ventricular outflow tract: a novel anatomical imaging approach. <i>Europace</i> , 2019 , 21, 147-153	3.9	3
18	Cardiovascular magnetic resonance determinants of ventricular arrhythmic events after myocardial infarction. <i>Europace</i> , 2021 ,	3.9	3
17	Influence of baseline QRS on the left ventricular ejection fraction recovery after frequent premature ventricular complex ablation. <i>Europace</i> , 2020 , 22, 274-280	3.9	2
16	Response to flecainide test in Andersen-Tawil syndrome with incessant ventricular tachycardia. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2018 , 41, 429-432	1.6	2
15	Prevençã primaria de muerte sbita en pacientes con miocardiopatã valvular. <i>Revista Espanola De Cardiologia</i> , 2016 , 69, 272-278	1.5	2
14	Pre to Intraoperative Data Fusion Framework for Multimodal Characterization of Myocardial Scar Tissue. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2014 , 2, 1900211	3	2
13	Evaluation of Different Mapping Techniques for the Integration of Electro-Anatomical Voltage and Imaging Data of the Left Ventricle. <i>Lecture Notes in Computer Science</i> , 2013 , 391-399	0.9	2
12	Automatic activation mapping and origin identification of idiopathic outflow tract ventricular arrhythmias. <i>Journal of Electrocardiology</i> , 2018 , 51, 239-246	1.4	1
11	Premature ventricular complex site of origin and ablation outcomes in patients with diabetes mellitus.. <i>Minerva Cardiology and Angiology</i> , 2022 ,	2.4	1
10	MANual vs. automatIc local activation time annotation for guiding Premature Ventricular Complex ablation procedures (MANIaC-PVC study). <i>Europace</i> , 2021 , 23, 1285-1294	3.9	0
9	Ablaciã de taquicardia ventricular. Indicaciones y resultados. <i>Cardiocre</i> , 2016 , 51, 99-103		0
8	Evaluaciã comparativa de cuatro puntuaciones de riesgo para predecir la mortalidad de pacientes con desfibrilador automãtico implantable en prevençã primaria. <i>Revista Espanola De Cardiologia</i> , 2016 , 69, 1033-1041	1.5	0
7	Impact of a predefined pacemapping protocol use for ablation of infrequent premature ventricular complexes: A prospective, multicenter study. <i>Heart Rhythm</i> , 2021 , 18, 1709-1716	6.7	0
6	Scar-Related Ventricular Tachycardia Mapping and Ablation Using Contrast-Enhanced Magnetic Resonance Imaging 2019 , 1062-1072		
5	Automatic Detection of Slow Conducting Channels during Substrate Ablation of Scar-Related Ventricular Arrhythmias. <i>Journal of Interventional Cardiology</i> , 2020 , 2020, 4386841	1.8	

- 4 Ablación de taquicardia ventricular en displasia arritmogénica del ventrículo derecho. *Revista Colombiana De Cardiología*, **2015**, 22, 88-96 0.1
- 3 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
- 2 Farmacología de dabigatrán y su manejo clínico. *Revista Espanola De Cardiología Suplementos*, **2012**, 12, 18-24 0.2
- 1 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