

Julián Pérez-Villacastán

List of Publications by Year in descending order

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110
papers

3,184
citations

236925

25
h-index

168389

53
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133
all docs

133
docs citations

133
times ranked

3316
citing authors

#	ARTICLE	IF	CITATIONS
1	Ablation of electrograms with an isolated, delayed component as treatment of unmappable monomorphic ventricular tachycardias in patients with structural heart disease. <i>Journal of the American College of Cardiology</i> , 2003, 41, 81-92.	2.8	308
2	Catheter ablation vs. antiarrhythmic drug treatment of persistent atrial fibrillation: a multicentre, randomized, controlled trial (SARA study). <i>European Heart Journal</i> , 2014, 35, 501-507.	2.2	285
3	Activation of Inward Rectifier Potassium Channels Accelerates Atrial Fibrillation in Humans. <i>Circulation</i> , 2006, 114, 2434-2442.	1.6	249
4	The Atrial Fibrillation Ablation Pilot Study: an European Survey on Methodology and results of catheter ablation for atrial fibrillation conducted by the European Heart Rhythm Association. <i>European Heart Journal</i> , 2014, 35, 1466-1478.	2.2	180
5	Low efficacy of atrial fibrillation ablation in severe obstructive sleep apnoea patients. <i>Europace</i> , 2010, 12, 1084-1089.	1.7	138
6	Delayed rhythm control of atrial fibrillation may be a cause of failure to prevent recurrences: reasons for change to active antiarrhythmic treatment at the time of the first detected episode. <i>Europace</i> , 2007, 10, 21-27.	1.7	126
7	ESC-EURObservational Research Programme: the Atrial Fibrillation Ablation Pilot Study, conducted by the European Heart Rhythm Association. <i>Europace</i> , 2012, 14, 1094-1103.	1.7	123
8	Incidence and Clinical Significance of Multiple Consecutive, Appropriate, High-Energy Discharges in Patients With Implanted Cardioverter-Defibrillators. <i>Circulation</i> , 1996, 93, 753-762.	1.6	120
9	Rate-Dependent Conduction Block of the Crista Terminalis in Patients With Typical Atrial Flutter. <i>Circulation</i> , 1999, 99, 2771-2778.	1.6	118
10	The COR trial: A randomized study with continuous rhythm monitoring to compare the efficacy of cryoenergy and radiofrequency for pulmonary vein isolation. <i>Heart Rhythm</i> , 2014, 11, 8-14.	0.7	79
11	Left Atrial Flutter After Radiofrequency Catheter Ablation of Focal Atrial Fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2003, 14, 417-421.	1.7	73
12	Randomized, prospective comparison of four burst pacing algorithms for spontaneous ventricular tachycardia. <i>American Journal of Cardiology</i> , 1998, 82, 1422-1425.	1.6	72
13	Identification of concealed posteroseptal Kent pathways by comparison of ventriculoatrial intervals from apical and posterobasal right ventricular sites.. <i>Circulation</i> , 1994, 89, 1060-1067.	1.6	60
14	Ventricular fusion during resetting and entrainment of orthodromic supraventricular tachycardia involving septal accessory pathways. Implications for the differential diagnosis with atrioventricular nodal reentry.. <i>Circulation</i> , 1993, 88, 2623-2631.	1.6	56
15	Usefulness of Unipolar Electrograms to Detect Isthmus Block After Radiofrequency Ablation of Typical Atrial Flutter. <i>Circulation</i> , 2000, 102, 3080-3085.	1.6	47
16	Influence of Baseline Physical Activity as a Modifying Factor on COVID-19 Mortality: A Single-Center, Retrospective Study. <i>Infectious Diseases and Therapy</i> , 2021, 10, 801-814.	4.0	46
17	Left atrial geometry and outcome of atrial fibrillation ablation: results from the multicentre LAGO-AF study. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 1002-1009.	1.2	45
18	Epidemiología de la fibrilación auricular en España en los últimos 20 años. <i>Revista Española De Cardiología</i> , 2013, 66, 561-565.	1.2	41

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19	Mechanistic Approaches to Detect, Target, and Ablate the Drivers of Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016, 9, e002481.	4.8	38
20	In vivo ratiometric optical mapping enables high-resolution cardiac electrophysiology in pig models. <i>Cardiovascular Research</i> , 2019, 115, 1659-1671.	3.8	38
21	Morphological and Thermodynamic Comparison of the Lesions Created by 4 Open-Irrigated Catheters in 2 Experimental Models. <i>Journal of Cardiovascular Electrophysiology</i> , 2014, 25, 1391-1399.	1.7	29
22	Comparative Expression of Proteins in Left and Right Atrial Appendages From Patients With Mitral Valve Disease at Sinus Rhythm and Atrial Fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2010, 21, 859-868.	1.7	28
23	Differential clinical characteristics and prognosis of intraventricular conduction defects in patients with chronic heart failure. <i>European Journal of Heart Failure</i> , 2013, 15, 877-884.	7.1	27
24	Implantable Loop Recorder Allows an Etiologic Diagnosis in One-Third of Patients. <i>Circulation Journal</i> , 2013, 77, 2535-2541.	1.6	27
25	Evidence favoring the hypothesis that ventricular arrhythmias have prognostic significance in left ventricular hypertrophy secondary to systemic hypertension. <i>American Journal of Cardiology</i> , 1995, 76, 60D-63D.	1.6	25
26	Early recurrence is a predictor of late failure in surgical ablation of atrial fibrillation. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2011, 12, 681-686.	1.1	25
27	“Pseudodisappearance” of atrial electrogram during orthodromic tachycardia: New criteria for successful ablation of concealed left-sided accessory pathways. <i>Journal of the American College of Cardiology</i> , 1996, 27, 853-859.	2.8	24
28	Diagnosis-to-ablation time in atrial fibrillation: A modifiable factor relevant to clinical outcome. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 1483-1490.	1.7	24
29	La producción científica cardiovascular en España y en el contexto europeo y mundial (2003-2007). <i>Revista Espanola De Cardiologia</i> , 2009, 62, 1404-1417.	1.2	23
30	Incidence of Atrial Fibrillation in Elite Athletes. <i>JAMA Cardiology</i> , 2018, 3, 1200.	6.1	22
31	Radiofrequency catheter ablation of ventricular tachycardia from the right ventricle late after myocardial infarction. <i>American Journal of Cardiology</i> , 1996, 77, 1261-1263.	1.6	21
32	Epicardial Connections Between the Pulmonary Veins and Left Atrium: Relevance for Atrial Fibrillation Ablation. <i>Journal of Cardiovascular Electrophysiology</i> , 2011, 22, no-no.	1.7	21
33	Mechanism and Location of Atrial Flutter in Transplanted Hearts: Observations During Transient Entrainment From Distant Sites. <i>Journal of the American College of Cardiology</i> , 1997, 30, 539-546.	2.8	20
34	Epidemiology of Atrial Fibrillation in Spain in the Past 20 Years. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2013, 66, 561-565.	0.6	20
35	Shock Reduction With Multiple Bursts of Antitachycardia Pacing Therapies to Treat Fast Ventricular Tachyarrhythmias in Patients With Implantable Cardioverter Defibrillators: A Multicenter Study. <i>Journal of Cardiovascular Electrophysiology</i> , 2015, 26, 774-782.	1.7	20
36	Instantaneous Amplitude and Frequency Modulations Detect the Footprint of Rotational Activity and Reveal Stable Driver Regions as Targets for Persistent Atrial Fibrillation Ablation. <i>Circulation Research</i> , 2019, 125, 609-627.	4.5	20

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37	Clinical and Echocardiographic Findings in HIV Patients with Pericardial Effusion. <i>Cardiology</i> , 1997, 88, 397-400.	1.4	18
38	Entropy measurements in paroxysmal and persistent atrial fibrillation. <i>Physiological Measurement</i> , 2010, 31, 1011-1020.	2.1	18
39	Increased intraventricular pressures are as harmful as the electrophysiological substrate of heart failure in favoring sustained reentry in the swine heart. <i>Heart Rhythm</i> , 2015, 12, 2172-2183.	0.7	17
40	The Importance of Antitachycardia Pacing for Patients Presenting with Ventricular Tachycardia. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1993, 16, 535-539.	1.2	16
41	Errors in pulmonary vein identification and ostia location in the absence of pulmonary vein imaging. <i>Heart Rhythm</i> , 2005, 2, 1082-1089.	0.7	16
42	Personalized monitoring of electrical remodelling during atrial fibrillation progression via remote transmissions from implantable devices. <i>Europace</i> , 2020, 22, 704-715.	1.7	16
43	Safety threshold of R-wave amplitudes in patients with implantable cardioverter defibrillator. <i>Heart</i> , 2016, 102, 1662-1670.	2.9	15
44	Anesthesia with propofol slows atrial fibrillation dominant frequencies. <i>Computers in Biology and Medicine</i> , 2008, 38, 792-798.	7.0	14
45	High resistance of atrioventricular node to cryoablation: A great safety margin targeting perinodal arrhythmic substrates. <i>Heart Rhythm</i> , 2006, 3, 1189-1195.	0.7	13
46	Pathological Effects of Pulmonary Vein beta-Radiation in a Swine Model. <i>Journal of Cardiovascular Electrophysiology</i> , 2006, 17, 662-669.	1.7	13
47	Atrial fibrillation organization: quantification of propofol effects. <i>Medical and Biological Engineering and Computing</i> , 2009, 47, 333-341.	2.8	13
48	KATP channel opening accelerates and stabilizes rotors in a swine heart model of ventricular fibrillation. <i>Cardiovascular Research</i> , 2013, 99, 576-585.	3.8	13
49	Irrigated Tip Catheter Ablation in Right Posteroseptal Accessory Pathways Resistant to Conventional Ablation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2002, 25, 799-803.	1.2	12
50	Three-dimensional cardiac fibre disorganization as a novel parameter for ventricular arrhythmia stratification after myocardial infarction. <i>Europace</i> , 2019, 21, 822-832.	1.7	12
51	Diaphragm paralysis due to pseudoaneurysm of internal mammary artery after pacemaker implantation. <i>Europace</i> , 2011, 13, 592-593.	1.7	10
52	Profound Sedation with Propofol Modifies Atrial Fibrillation Dynamics. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2013, 36, 1176-1188.	1.2	10
53	Spectral analysis-based risk score enables early prediction of mortality and cerebral performance in patients undergoing therapeutic hypothermia for ventricular fibrillation and comatose status. <i>International Journal of Cardiology</i> , 2015, 186, 250-258.	1.7	9
54	Atrial Rate-Responsive Pacing and Incidence of Sustained Atrial Arrhythmias in Patients with Implantable Cardioverter Defibrillators. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2016, 39, 548-556.	1.2	9

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55	Entropy at the right atrium as a predictor of atrial fibrillation recurrence outcome after pulmonary vein ablation. <i>Biomedizinische Technik</i> , 2016, 61, 29-36.	0.8	9
56	QRS duration reflects underlying changes in conduction velocity during increased intraventricular pressure and heart failure. <i>Progress in Biophysics and Molecular Biology</i> , 2017, 130, 394-403.	2.9	9
57	Mapping Technologies for Catheter Ablation of Atrial Fibrillation Beyond Pulmonary Vein Isolation. <i>European Cardiology Review</i> , 2021, 16, e21.	2.2	9
58	First Postpacing Interval Variability During Right Ventricular Stimulation. <i>Circulation</i> , 1998, 98, 671-677.	1.6	8
59	Case report of a Spanish patient with arrhythmogenic right ventricular cardiomyopathy and palmoplantar keratoderma without plakoglobin and desmoplakin gene modifications. <i>International Journal of Cardiology</i> , 2007, 118, 275-277.	1.7	8
60	Cooled ablation reduces pulmonary vein isolation time: results of a prospective randomised trial. <i>Heart</i> , 2008, 95, 203-209.	2.9	8
61	Granger Causality and Jensen-Shannon Divergence to Determine Dominant Atrial Area in Atrial Fibrillation. <i>Entropy</i> , 2018, 20, 57.	2.2	8
62	Implications of bipolar voltage mapping and magnetic resonance imaging resolution in biventricular scar characterization after myocardial infarction. <i>Europace</i> , 2019, 21, 163-174.	1.7	8
63	Determinants of inducibility of ventricular tachycardia. <i>American Journal of Cardiology</i> , 2001, 87, 1255-1259.	1.6	7
64	The p.P888L SAP97 polymorphism increases the transient outward current (I _{to,f}) and abbreviates the action potential duration and the QT interval. <i>Scientific Reports</i> , 2020, 10, 10707.	3.3	7
65	Resultados de la curva de aprendizaje de la punción transeptal guiada mediante ecografía intracardíaca. <i>Revista Española De Cardiología</i> , 2004, 57, 359-362.	1.2	6
66	Propofol Effects on Atrial Fibrillation Wavefront Delays. <i>IEEE Transactions on Biomedical Engineering</i> , 2010, 57, 1877-1885.	4.2	6
67	Sudden Cardiac Death in Professional Soccer Players. <i>Journal of the American College of Cardiology</i> , 2017, 70, 1420-1421.	2.8	6
68	Lesion Index Titration Using Contact-Force Technology Enables Safe and Effective Radiofrequency Lesion Creation at the Root of the Aorta and Pulmonary Artery. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e007080.	4.8	6
69	Physical activity, sports and risk of atrial fibrillation: umbrella review of meta-analyses. <i>European Journal of Preventive Cardiology</i> , 2021, 28, e11-e16.	1.8	6
70	Muerte súbita cardíaca extrahospitalaria y desfibrilación precoz. <i>Revista Española De Cardiología</i> , 2000, 53, 851-865.	1.2	5
71	Pivotal role of integrated electroanatomic mapping with three-dimensional multislice computed tomography scan in the ablation of a left atrial ectopic focus. <i>Europace</i> , 2007, 9, 119-120.	1.7	5
72	Comments on the 2013 ESC Guidelines on Cardiac Pacing and Cardiac Resynchronization Therapy. <i>Revista Española De Cardiología (English Ed)</i> , 2014, 67, 6-14.	0.6	5

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73	Anatomical targets and expected outcomes of catheter-based ablation of atrial fibrillation in 2020. PACE - Pacing and Clinical Electrophysiology, 2021, 44, 341-359.	1.2	5
74	Time-efficient three-dimensional transmural scar assessment provides relevant substrate characterization for ventricular tachycardia features and long-term recurrences in ischemic cardiomyopathy. Scientific Reports, 2021, 11, 18722.	3.3	5
75	Basic Assessment of Paced Activation Sequence Mapping: Implications for Practical Use. PACE - Pacing and Clinical Electrophysiology, 2004, 27, 651-656.	1.2	4
76	Proyecto de estudio sobre la situación de la enfermedad cardiovascular de la mujer en España: conclusiones y recomendaciones finales. Revista Espanola De Cardiologia Suplementos, 2008, 8, 55D-58D.	0.2	4
77	Ablation of Atrioventricular Nodal Reentrant Tachycardia Using Remote Magnetic Guidance (Stereotaxis®) Requires Lower Temperature and Power Settings Because of Improved Local Contact. Revista Espanola De Cardiologia (English Ed), 2009, 62, 1001-1011.	0.6	4
78	Evolution and Scientific Impact of Research Grants From the Spanish Society of Cardiology and Spanish Heart Foundation (2000-2006). Revista Espanola De Cardiologia (English Ed), 2011, 64, 904-915.	0.6	4
79	Quantification of anaesthetic effects on atrial fibrillation rate by partial least-squares. Physiological Measurement, 2012, 33, 1757-1768.	2.1	4
80	Emergent mitral percutaneous valvuloplasty before emergent liver transplantation. , 1997, 41, 229-230.		3
81	Novel mutation (H402R) in the S1 domain of KCNH2-encoded gene associated with long QT syndrome in a Spanish family. International Journal of Cardiology, 2010, 142, 206-208.	1.7	3
82	Poor Knowledge of Potentially Lethal Electrocardiographic Patterns in Asymptomatic Patients Among Noncardiologist Physicians, and Underestimation of Their Seriousness. Revista Espanola De Cardiologia (English Ed), 2017, 70, 507-508.	0.6	3
83	Ablación percutánea de fibrilación auricular: buenas perspectivas. Revista Espanola De Cardiologia, 2003, 56, 331-332.	1.2	3
84	Early prognostic value of an Algorithm based on spectral Variables of Ventricular fibrillation from the EKG of patients with sudden cardiac death: A multicentre observational study (AWAKE). Archivos De Cardiologia De Mexico, 2018, 88, 460-467.	0.2	3
85	Usefulness of Paced Activation Sequence Mapping in Catheter Ablation of Accessory Pathways. Journal of Cardiovascular Electrophysiology, 2002, 13, 750-756.	1.7	2
86	Cardioinhibition Secondary to Ventricular Pacing. Journal of Cardiovascular Electrophysiology, 2006, 17, 325-327.	1.7	2
87	Ventricular rhythm in atrial fibrillation under anaesthetic infusion with propofol. Physiological Measurement, 2009, 30, 833-845.	2.1	2
88	Skeletal myoblast implants induce minor propagation delays, but do not promote arrhythmias in the normal swine heart. Europace, 2010, 12, 1637-1644.	1.7	2
89	Echocardiographically revealed collapse of the right ventricle and prolonged inversion of both atria without clinical cardiac tamponade. European Heart Journal, 1987, 8, 1141-1145.	2.2	1
90	Decision support system for the practical implementation of the Chronic Heart Failure guidelines: The MyHeart approach. , 2007, , .		1

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91	New Evidence, New Controversies: a Critical Review of the European Society of Cardiology 2010 Clinical Practice Guidelines on Atrial Fibrillation. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2012, 65, 7-13.	0.6	1
92	Smart Clothes to Take Care of People or Smart People Who Use Clothes to Take Care of Themselves?. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2015, 68, 559-561.	0.6	1
93	Pulmonary Vein Activity Organization to Determine Atrial Fibrillation Recurrence: Preliminary Data from a Pilot Study. <i>Mathematics</i> , 2020, 8, 1813.	2.2	1
94	Permanent Form of Junctional Reciprocating Tachycardias: Where Is the Ventricular Insertion?. <i>Journal of the American College of Cardiology</i> , 1998, 31, 291A.	2.8	1
95	TBC: A simple algorithm to rule out abnormalities in electrocardiograms of patients with pacemakers. <i>Cardiology Journal</i> , 2020, 27, 136-141.	1.2	1
96	Correlation of Intraprocedural and Follow Up Parameters for Mitral Regurgitation Grading after Percutaneous Edge-to-Edge Repair. <i>Journal of Clinical Medicine</i> , 2022, 11, 2276.	2.4	1
97	Fibrilaci3n auricular en la mujer: an3lisis de la situaci3n en Espa3a. <i>Revista Espanola De Cardiologia Suplementos</i> , 2008, 8, 38D-41D.	0.2	0
98	Can Information Technology Improve the Performance of Remote Monitoring Systems?. <i>Telemedicine Journal and E-Health</i> , 2010, 16, 977-979.	2.8	0
99	First, Let's See Where We Stand. Then, Let's See How Far We Can or Want to Go. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2014, 67, 249-250.	0.6	0
100	Primero conocer la realidad. A partir de ah3; hasta donde queramos o podamos. <i>Revista Espanola De Cardiologia</i> , 2014, 67, 249-250.	1.2	0
101	Towards the Dynamic Assessment of the Lesion Generation Process in an Experimental Model of Cardiac Ablation. <i>Journal of Cardiovascular Electrophysiology</i> , 2015, 26, E7-8.	1.7	0
102	Predictors of Luminal Loss in Pulmonary Veins After Radiofrequency Ablation. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2015, 68, 1085-1091.	0.6	0
103	Selection of the Best of 2016 in Catheter Ablation. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2017, 70, 302-303.	0.6	0
104	Sudden cardiac death during sports practice. Is one man's meat another man's poison?. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2021, 74, 210-212.	0.6	0
105	Integrating innovative sensors. <i>International Journal of Integrated Care</i> , 2012, 12, .	0.2	0
106	Ventricular Fusion During Auricular Entrainment of Idiopathic Fascicular Tachycardias. Implications on Ventricular Tachycardia Circuit. <i>Journal of the American College of Cardiology</i> , 1998, 31, 119A.	2.8	0
107	Discrimination Between Ventricular and Supraventricular Tachycardia Based on Implantable Defibrillator Stored Electrogram Analysis. <i>Journal of the American College of Cardiology</i> , 1998, 31, 294A.	2.8	0
108	Rate Dependent Conduction Block of the Crista Terminalis in Patients With Typical Atrial Flutter. <i>Journal of the American College of Cardiology</i> , 1998, 31, 432A.	2.8	0

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109	Lack of Electrophysiological Reproducibility in the Mode of Termination of Induced Episodes of Atrial Fibrillation. Journal of the American College of Cardiology, 1998, 31, 332A.	2.8	0
110	El enalapril intravenoso no evita el desarrollo de remodelado eléctrico auricular agudo secundario a estimulación rápida. Revista Espanola De Cardiología, 2004, 57, 320-326.	1.2	0