

Felipe Atienza Fernández

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

4,353
citations

159525

30
h-index

114418

63
g-index

128
all docs

128
docs citations

128
times ranked

4051
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of age with clinical features and ablation outcomes of paroxysmal supraventricular tachycardias. <i>Heart</i> , 2022, 108, 1107-1113.	1.2	1
2	Structural Remodeling and Rotational Activity in Persistent/Long-Lasting Atrial Fibrillation: Gender-Effect Differences and Impact on Post-ablation Outcome. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 819429.	1.1	3
3	Cardiovascular Diseases in the Digital Health Era: A Translational Approach from the Lab to the Clinic. <i>BioTech</i> , 2022, 11, 23.	1.3	0
4	Arrhythmic burden in patients with new-onset persistent left bundle branch block after transcatheter aortic valve replacement: 2-year results of the MARE study. <i>Europace</i> , 2021, 23, 254-263.	0.7	10
5	Electrocardiographic imaging including intracardiac information to achieve accurate global mapping during atrial fibrillation. <i>Biomedical Signal Processing and Control</i> , 2021, 64, 102354.	3.5	3
6	Optimized single-point left ventricular pacing leads to improved resynchronization compared with multipoint pacing. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2021, 44, 519-527.	0.5	2
7	Radiofrequency treatment for electrical storm: Evolution and monitoring. <i>Archivos De Cardiología y De México (English Ed Internet)</i> , 2021, 90, .	0.1	0
8	Worldwide Survey of COVID-19-Associated Arrhythmias. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021, 14, e009458.	2.1	127
9	Electrocardiographic Imaging for Atrial Fibrillation: A Perspective From Computer Models and Animal Experiments to Clinical Value. <i>Frontiers in Physiology</i> , 2021, 12, 653013.	1.3	20
10	Alteraciones graves del potasio plasmático: prevalencia, caracterización clínica-electrocardiográfica y su pronóstico. <i>REC: CardioClinics</i> , 2021, 56, 98-107.	0.1	2
11	Artificial intelligence for a personalized diagnosis and treatment of atrial fibrillation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1337-H1347.	1.5	15
12	Personalized Evaluation of Atrial Complexity of Patients Undergoing Atrial Fibrillation Ablation: A Clinical Computational Study. <i>Biology</i> , 2021, 10, 838.	1.3	3
13	Artificial Intelligence-Driven Algorithm for Drug Effect Prediction on Atrial Fibrillation: An in silico Population of Models Approach. <i>Frontiers in Physiology</i> , 2021, 12, 768468.	1.3	6
14	Automatic quality electrogram assessment improves phase-based reentrant activity identification in atrial fibrillation. <i>Computers in Biology and Medicine</i> , 2020, 117, 103593.	3.9	1
15	Late Electrocardiographic Changes in Patients With New-Onset Left Bundle Branch Block Following Transcatheter Aortic Valve Implantation. <i>American Journal of Cardiology</i> , 2020, 125, 795-802.	0.7	13
16	Predictors of pacemaker dependency in patients implanted with a pacemaker after Transaortic valve replacement. <i>IJC Heart and Vasculature</i> , 2020, 31, 100654.	0.6	1
17	Electrophysiological Effects of Extracellular Vesicles Secreted by Cardiosphere-Derived Cells: Unraveling the Antiarrhythmic Properties of Cell Therapies. <i>Processes</i> , 2020, 8, 924.	1.3	6
18	Ranolazine-Mediated Attenuation of Mechanoelectric Feedback in Atrial Myocyte Monolayers. <i>Frontiers in Physiology</i> , 2020, 11, 922.	1.3	4

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19	Atrial fibrillation drivers mapping: should I burn or should I go?. <i>Europace</i> , 2020, 22, 843-844.	0.7	0
20	Noninvasive Assessment of Complexity of Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e007700.	2.1	23
21	Extracorporeal Membrane Oxygenation in Patients With Electrical Storm: A Single-center Experience. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2019, 72, 182-183.	0.4	0
22	Wavefront Field Mapping Reveals a Physiologic Network Between Drivers Where Ablation Terminates Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e006835.	2.1	8
23	Letter by Atienza et al Regarding Article, "Autopsy as a Source of Discovery in Cardiovascular Medicine: Then and Now". <i>Circulation</i> , 2019, 139, 566-567.	1.6	0
24	Clinical Characteristics and Electrophysiological Mechanisms Underlying Brugada ECG in Patients With Severe Hyperkalemia. <i>Journal of the American Heart Association</i> , 2019, 8, e010115.	1.6	20
25	Optical imaging of voltage and calcium in isolated hearts: Linking spatiotemporal heterogeneities and ventricular fibrillation initiation. <i>PLoS ONE</i> , 2019, 14, e0215951.	1.1	5
26	Tako-tsubo cardiomyopathy triggered by multiple shocks in electrical storm. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2019, 8, 771-774.	0.4	5
27	Pediatric Catheter Ablation: Characteristics and Results of a Series in a Tertiary Referral Hospital. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2018, 71, 794-800.	0.4	4
28	Solving Inaccuracies in Anatomical Models for Electrocardiographic Inverse Problem Resolution by Maximizing Reconstruction Quality. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 733-740.	5.4	22
29	Safety and efficacy of cryoablation vs. radiofrequency ablation of septal accessory pathways: systematic review of the literature and meta-analyses. <i>Europace</i> , 2018, 20, 1334-1342.	0.7	32
30	Body Surface Frequency-Phase Mapping of Atrial Fibrillation. , 2018, , 437-446.		1
31	Comments on the 2018 ESC Guidelines for the Diagnosis and Management of Syncope. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2018, 71, 787-793.	0.4	0
32	Arrhythmic Burden as Determined by Ambulatory Continuous Cardiac Monitoring in Patients With New-Onset Persistent Left Bundle Branch Block Following Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 1495-1505.	1.1	112
33	Crioablaci3n en lactante en soporte con oxigenador extracorp3reo de membrana. <i>Revista Espanola De Cardiologia</i> , 2017, 70, 779-781.	0.6	4
34	Highest dominant frequency and rotor positions are robust markers of driver location during noninvasive mapping of atrial fibrillation: A computational study. <i>Heart Rhythm</i> , 2017, 14, 1224-1233.	0.3	30
35	Cryoablation in an Infant Receiving Extracorporeal Membrane Oxygenation Support. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2017, 70, 779-781.	0.4	2
36	Technical Considerations on Phase Mapping for Identification of Atrial Reentrant Activity in Direct- and Inverse-Computed Electrograms. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2017, 10, .	2.1	57

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37	Non-invasive localization of atrial ectopic beats by using simulated body surface P-wave integral maps. PLoS ONE, 2017, 12, e0181263.	1.1	30
38	Regularization Techniques for ECG Imaging during Atrial Fibrillation: A Computational Study. Frontiers in Physiology, 2016, 7, 466.	1.3	44
39	Identification of Dominant Excitation Patterns and Sources of Atrial Fibrillation by Causality Analysis. Annals of Biomedical Engineering, 2016, 44, 2364-2376.	1.3	23
40	Immediate post-procedure bridging with unfractionated heparin versus low molecular weight heparin in patients undergoing radiofrequency ablation for atrial fibrillation with an interrupted oral anticoagulation strategy. Journal of Interventional Cardiac Electrophysiology, 2016, 45, 149-158.	0.6	1
41	miR-208b upregulation interferes with calcium handling in HL-1 atrial myocytes: Implications in human chronic atrial fibrillation. Journal of Molecular and Cellular Cardiology, 2016, 99, 162-173.	0.9	64
42	Noninvasive Estimation of Epicardial Dominant High-Frequency Regions During Atrial Fibrillation. Journal of Cardiovascular Electrophysiology, 2016, 27, 435-442.	0.8	40
43	Presence and stability of rotors in atrial fibrillation: evidence and therapeutic implications. Cardiovascular Research, 2016, 109, 480-492.	1.8	78
44	Do Self-Management Interventions Work in Patients With Heart Failure?. Circulation, 2016, 133, 1189-1198.	1.6	212
45	Atrial sources identification by causality analysis during atrial fibrillation. , 2015, 2015, 3783-6.		3
46	Role of atrial tissue remodeling on rotor dynamics: an in vitro study. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H1964-H1973.	1.5	27
47	Scar Extension Measured by Magnetic Resonance-Based Signal Intensity Mapping Predicts Ventricular Tachycardia Recurrence After Substrate Ablation in Patients With Previous Myocardial Infarction. JACC: Clinical Electrophysiology, 2015, 1, 353-365.	1.3	14
48	Frontiers in Noninvasive Cardiac Mapping. Cardiac Electrophysiology Clinics, 2015, 7, 59-69.	0.7	6
49	Efficacy and safety of rivaroxaban in real-life patients with atrial fibrillation. Expert Review of Cardiovascular Therapy, 2015, 13, 341-353.	0.6	8
50	Electrophysiological characteristics of permanent atrial fibrillation: insights from research models of cardiac remodeling. Expert Review of Cardiovascular Therapy, 2015, 13, 1-3.	0.6	8
51	Ventricular Tachycardia and Early Fibrillation in Patients With Brugada Syndrome and Ischemic Cardiomyopathy Show Predictable Frequency-Phase Properties on the Precordial ECG Consistent With the Respective Arrhythmogenic Substrate. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 1133-1143.	2.1	10
52	Differential Responses of the Septal Ventricle and the Atrial Signals During Ongoing Entrainment. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 1201-1209.	2.1	7
53	Safety of Outpatient Implantation of the Implantable Cardioverter-defibrillator. Revista Espanola De Cardiologia (English Ed), 2015, 68, 579-584.	0.4	6
54	Current Indications for Implantable Cardioverter Defibrillators in Non-Ischemic Cardiomyopathies and Channelopathies. Reviews on Recent Clinical Trials, 2015, 10, 111-127.	0.4	2

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55	Clinical impact of defibrillation testing at the time of implantable cardioverter-defibrillator insertion. <i>Cardiology Journal</i> , 2015, 22, 253-259.	0.5	1
56	Frontiers in noninvasive cardiac mapping rotors in atrial fibrillation-body surface frequency-phase mapping. <i>Cardiac Electrophysiology Clinics</i> , 2015, 7, 59-69.	0.7	1
57	Dominant Frequency and the Mechanisms of Initiation and Maintenance of Atrial Fibrillation. , 2014, , 419-432.		3
58	Comparison of Radiofrequency Catheter Ablation of Drivers and Circumferential Pulmonary Vein Isolation in Atrial Fibrillation. <i>Journal of the American College of Cardiology</i> , 2014, 64, 2455-2467.	1.2	197
59	Comparison of the Safety and Feasibility of Arrhythmia Ablation Using the Amigo Robotic Remote Catheter System Versus Manual Ablation. <i>American Journal of Cardiology</i> , 2014, 113, 827-831.	0.7	25
60	Infranodal Atrioventricular Block as a Possible Cause of Exercise-induced Cardiac Arrest. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2014, 67, 675-678.	0.4	1
61	Paroxysmal Supraventricular Tachycardia Immediately Following Heart Transplantation. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2014, 67, 668.	0.4	0
62	Body surface localization of left and right atrial high-frequency rotors in atrial fibrillation patients: A clinical-computational study. <i>Heart Rhythm</i> , 2014, 11, 1584-1591.	0.3	120
63	Specificity of electrocardiographic criteria for the differential diagnosis of wide QRS complex tachycardia in patients with intraventricular conduction defect. <i>Heart Rhythm</i> , 2013, 10, 1393-1401.	0.3	19
64	Safety, Long-Term Results, and Predictors of Recurrence After Complete Endocardial Ventricular Tachycardia Substrate Ablation in Patients With Previous Myocardial Infarction. <i>American Journal of Cardiology</i> , 2013, 111, 499-505.	0.7	47
65	Chronic atrial fibrillation up-regulates β_1 -Adrenoceptors affecting repolarizing currents and action potential duration. <i>Cardiovascular Research</i> , 2013, 97, 379-388.	1.8	57
66	Noninvasive Localization of Maximal Frequency Sites of Atrial Fibrillation by Body Surface Potential Mapping. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 294-301.	2.1	120
67	New Diagnostic and Therapeutic Approaches to Treat Ventricular Tachycardias Originating at the Summit of the Left Ventricle. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, e80-4.	2.1	12
68	Nerves projecting from the intrinsic cardiac ganglia of the pulmonary veins modulate sinoatrial node pacemaker function. <i>Cardiovascular Research</i> , 2013, 99, 566-575.	1.8	50
69	Translational Research in Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012, 5, 1207-1215.	2.1	23
70	High-rate pacing-induced atrial fibrillation effectively reveals properties of spontaneously occurring paroxysmal atrial fibrillation in humans. <i>Europace</i> , 2012, 14, 1560-1566.	0.7	20
71	Refining the Indications of Implantable Cardioverter Defibrillator in Patients with Left Ventricular Dysfunction. <i>Reviews on Recent Clinical Trials</i> , 2012, 7, 197-203.	0.4	2
72	Implantable Defibrillator Electrograms and Origin of Left Ventricular Impulses: An Analysis of Regionalization Ability and Visual Spatial Resolution. <i>Journal of Cardiovascular Electrophysiology</i> , 2012, 23, 506-514.	0.8	11

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73	Noninvasive Identification of Ventricular Tachycardia-Related Conducting Channels Using Contrast-Enhanced Magnetic Resonance Imaging in Patients With Chronic Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2011, 57, 184-194.	1.2	173
74	Mechanisms of Fractionated Electrograms Formation in the Posterior Left Atrium During Paroxysmal Atrial Fibrillation in Humans. <i>Journal of the American College of Cardiology</i> , 2011, 57, 1081-1092.	1.2	105
75	Cryoablation of Septal Accessory Pathways. , 2011, , 143-152.		0
76	Differences in Ventriculoatrial Intervals During Entrainment and Tachycardia: A Simpler Method for Distinguishing Paroxysmal Supraventricular Tachycardia with Long Ventriculoatrial Intervals. <i>Journal of Cardiovascular Electrophysiology</i> , 2011, 22, 915-921.	0.8	20
77	EGC Diagnosis of Paroxysmal Supraventricular Tachycardias in Patients without Preexcitation. , 2011, 16, 85-95.		5
78	Generation of realistic atrial to atrial interval series during atrial fibrillation. <i>Medical and Biological Engineering and Computing</i> , 2011, 49, 1261-1268.	1.6	10
79	Control intraoperatorio de la ablaci3n de arritmias. Recurrencias. <i>Cirugía Cardiovascular</i> , 2010, 17, 249-258.	0.1	0
80	In Humans, Chronic Atrial Fibrillation Decreases the Transient Outward Current and Ultrarapid Component of the Delayed Rectifier Current Differentially on Each Atria and Increases the Slow Component of the Delayed Rectifier Current in Both. <i>Journal of the American College of Cardiology</i> , 2010, 55, 2346-2354.	1.2	152
81	Cryoablation time-dependent dose-response effect at minimal temperatures (-80°C): an experimental study. <i>Europace</i> , 2009, 11, 1538-1545.	0.7	21
82	Nitric Oxide Increases Cardiac IK1 by Nitrosylation of Cysteine 76 of Kir2.1 Channels. <i>Circulation Research</i> , 2009, 105, 383-392.	2.0	61
83	Combined Evaluation of Bedside Clinical Variables and the Electrocardiogram for the Differential Diagnosis of Paroxysmal Atrioventricular Reciprocating Tachycardias in Patients Without Pre-Excitation. <i>Journal of the American College of Cardiology</i> , 2009, 53, 2353-2358.	1.2	64
84	Real-time dominant frequency mapping and ablation of dominant frequency sites in atrial fibrillation with left-to-right frequency gradients predicts long-term maintenance of sinus rhythm. <i>Heart Rhythm</i> , 2009, 6, 33-40.	0.3	319
85	Utilidad diagn3stica de los electrogramas almacenados por el desfibrilador autom4tico implantable. <i>Revista Espanola De Cardiologia Suplementos</i> , 2008, 8, 76A-85A.	0.2	1
86	Identification of conduction gaps in the ablation line during left atrium circumferential ablation: Facilitation of pulmonary vein disconnection after endpoint modification according to electrogram characteristics. <i>Heart Rhythm</i> , 2008, 5, 994-1002.	0.3	17
87	Rate-related changes in QRS morphology in patients with fixed bundle branch block: implications for differential diagnosis of wide QRS complex tachycardia. <i>European Heart Journal</i> , 2008, 29, 2351-2358.	1.0	9
88	Independent predictive accuracy of classical electrocardiographic criteria in the diagnosis of paroxysmal atrioventricular reciprocating tachycardias in patients without pre-excitation. <i>Europace</i> , 2008, 10, 624-628.	0.7	14
89	Dominant frequency differences in atrial fibrillation patients with and without left ventricular systolic dysfunction. <i>Europace</i> , 2008, 11, 450-457.	0.7	12
90	Universal scaling law of electrical turbulence in the mammalian heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20985-20989.	3.3	47

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91	Transient atrioventricular block shortly after uneventful cryoablation of atrioventricular nodal re-entrant tachycardias: report of two cases. <i>Europace</i> , 2007, 9, 927-930.	0.7	6
92	Reentry and atrial fibrillation. <i>Heart Rhythm</i> , 2007, 4, S13-S16.	0.3	44
93	Differentiation of ventricular and supraventricular tachycardias based on the analysis of the first postpacing interval after sequential anti-tachycardia pacing in implantable cardioverter-defibrillator patients. <i>Heart Rhythm</i> , 2007, 4, 316-322.	0.3	16
94	First postpacing interval after tachycardia entrainment with correction for atrioventricular node delay: A simple maneuver for differential diagnosis of atrioventricular nodal reentrant tachycardias versus orthodromic reciprocating tachycardias. <i>Heart Rhythm</i> , 2006, 3, 674-679.	0.3	133
95	Activation of Inward Rectifier Potassium Channels Accelerates Atrial Fibrillation in Humans. <i>Circulation</i> , 2006, 114, 2434-2442.	1.6	249
96	Mechanisms of Wave Fractionation at Boundaries of High-Frequency Excitation in the Posterior Left Atrium of the Isolated Sheep Heart During Atrial Fibrillation. <i>Circulation</i> , 2006, 113, 626-633.	1.6	386
97	Epicardial Idiopathic Ventricular Tachycardia Originating Within the Left Main Coronary Artery Ostium Area: Identification Using the Localisa Nonfluoroscopic Catheter Navigation System. <i>Journal of Cardiovascular Electrophysiology</i> , 2005, 16, 1239-1242.	0.8	7
98	Utility of Nonfluoroscopic Three-Dimensional Electroanatomical Mapping in Accessory Pathways With Prior Unsuccessful Ablation Attempts. <i>American Journal of Cardiology</i> , 2005, 96, 564-569.	0.7	8
99	Short- and long-term results of a programme for the prevention of readmissions and mortality in patients with heart failure: Are effects maintained after stopping the programme?. <i>European Journal of Heart Failure</i> , 2005, 7, 921-926.	2.9	55
100	Análisis de coste-beneficio de los programas de prevención de reingresos en pacientes hospitalizados por insuficiencia cardíaca. Impacto económico de las nuevas formas de asistencia a la insuficiencia cardíaca. <i>Revista Española De Cardiología</i> , 2005, 58, 32-36.	0.6	11
101	Fast ventricular tachycardias in patients with implantable cardioverter-defibrillators: Efficacy and safety of antitachycardia pacing. <i>Journal of the American College of Cardiology</i> , 2005, 45, 460-461.	1.2	24
102	Tachycardia-Related Channel in the Scar Tissue in Patients With Sustained Monomorphic Ventricular Tachycardias. <i>Circulation</i> , 2004, 110, 2568-2574.	1.6	246
103	Multicenter randomized trial of a comprehensive hospital discharge and outpatient heart failure management program. <i>European Journal of Heart Failure</i> , 2004, 6, 643-652.	2.9	154
104	Acute and long-term outcome of transvenous cryoablation of midseptal and parahissian accessory pathways in patients at high risk of atrioventricular block during radiofrequency ablation. <i>American Journal of Cardiology</i> , 2004, 93, 1302-1305.	0.7	70
105	Non-Fluoroscopic Electroanatomical Mapping (CARTO System) in the Ablation of Atrial Tachycardias. <i>Revista Española De Cardiología (English Ed)</i> , 2004, 57, 37-44.	0.4	4
106	Long electrodes for radio frequency ablation: comparative study of surface versus intramural application. <i>Medical Engineering and Physics</i> , 2003, 25, 869-877.	0.8	5
107	Assessment of quality of life in patients with chest pain and normal coronary arteriogram (syndrome) Tj ETQq1 1 0.784314 rgBT /Overlo	0.7	42
108	Recovery Curve and Concealed Conduction in the His-Purkinje System of the Rabbit Heart: Effects of Radiofrequency Modification of the Low AV Junction. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1996, 19, 31-41.	0.5	2

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109	Dual Extruder 3D-Bioprinter for Computer Designed Cardiac Structures. , 0, , .		2
110	Electrophysiological Parameters in the Electrical Propagation During Atrial Fibrillation: a Population of Models Study. , 0, , .		2
111	Solving Inaccuracies in the Heart Position and Orientation for Inverse Solution by Using Electrical Information. , 0, , .		1
112	Ranolazine Attenuates Stretch-induced Modifications of Electrophysiological Characteristics in HL-1 Cells. , 0, , .		3
113	High Resolution Microscopic Optical Mapping of Anatomical and Functional Reentries in Human Cardiac Cell Cultures. , 0, , .		0
114	Role of Substrate Flexibility on Cardiac Cell Culture Electrophysiological Properties. , 0, , .		0
115	Mechanism behind Hyperkalemic Brugada Phenocopy: A Computational Study. , 0, , .		0
116	Noninvasive Identification of Atrial Fibrillation Drivers: Simulation and Patient Data Evaluation. , 0, , .		2
117	Performance of Inverse Problem Regularization Methods for Driver Location during Atrial Fibrillation. , 0, , .		1
118	Personalization of Atrial Fibrillation Antiarrhythmic Drug Treatments: a Population of Models Approach. , 0, , .		0