Jose Jalife

List of Publications by Year in Descending Order

299 papers	24,781 citations	78 h-index	152 g-index
343 ext. papers	29,214 ext. citations	7.6 avg, IF	6.68 L-index

#	Paper	IF	Citations
299	Panoramic Endocardial Optical Mapping Demonstrates Serial Rotors Acceleration and Increasing Complexity of Activity During Onset of Cholinergic Atrial Fibrillation. *Journal of the American Heart Association*, **2021**, 10, e022300	6	0
298	Transcriptome and proteome mapping in the sheep atria reveal molecular featurets of atrial fibrillation progression. *Cardiovascular Research*, **2021**, 117, 1760-1775	9.9	2
297	Novel approaches to mechanism-based atrial fibrillation ablation. *Cardiovascular Research*, **2021**, 117, 1662-1681	9.9	1
296	Mapping Technologies for Catheter Ablation of Atrial Fibrillation Beyond Pulmonary Vein Isolation. *European Cardiology Review*, **2021**, 16, e21	3.9	0
295	Human influenza A virus causes myocardial and cardiac-specific conduction system infections associated with early inflammation and premature death. *Cardiovascular Research*, **2021**, 117, 876-889	9.9	11
294	Anatomical targets and expected outcomes of catheter-based ablation of atrial fibrillation in 2020. *PACE - Pacing and Clinical Electrophysiology*, **2021**, 44, 341-359	1.6	2
293	Paclitaxel mitigates structural alterations and cardiac conduction system defects in a mouse model of Hutchinson-Gilford progeria syndrome. *Cardiovascular Research*, **2021**,	9.9	3
292	Cardiac phenotype in familial partial lipodystrophy. *Clinical Endocrinology*, **2021**, 94, 1043-1053	3.4	3
291	Tbx5 variants disrupt Nav1.5 function differently in patients diagnosed with Brugada or Long QT Syndrome. *Cardiovascular Research*, **2021**,	9.9	2
290	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	4.9	0
289	Personalized monitoring of electrical remodelling during atrial fibrillation progression via remote transmissions from implantable devices. *Europace*, **2020**, 22, 704-715	3.9	8
288	Kir2.1 Interactome Mapping Uncovers PKP4 as a Modulator of the Kir2.1-Regulated Inward Rectifier Potassium Currents. *Molecular and Cellular Proteomics*, **2020**, 19, 1436-1449	7.6	7
287	The p.P888L SAP97 polymorphism increases the transient outward current (I) and abbreviates the action potential duration and the QT interval. *Scientific Reports*, **2020**, 10, 10707	4.9	5
286	Use of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes in Preclinical Cancer Drug Cardiotoxicity Testing: A Scientific Statement From the American Heart Association. *Circulation Research*, **2019**, 125, e75-e92	15.7	55
285	Atrial Myopathy. *JACC Basic To Translational Science*, **2019**, 4, 640-654	8.7	60
284	Clinical Characteristics and Electrophysiological Mechanisms Underlying Brugada ECG in Patients With Severe Hyperkalemia. *Journal of the American Heart Association*, **2019**, 8, e010115	6	12
283	Functional cardiac fibroblasts derived from human pluripotent stem cells via second heart field progenitors. *Nature Communications*, **2019**, 10, 2238	17.4	76

282	Lesion Index Titration Using Contact-Force Technology Enables Safe and Effective Radiofrequency Lesion Creation at the Root of the Aorta and Pulmonary Artery. *Circulation: Arrhythmia and Electrophysiology*, **2019**, 12, e007080	6.4	5
281	Instantaneous Amplitude and Frequency Modulations Detect the Footprint of Rotational Activity and Reveal Stable Driver Regions as Targets for Persistent Atrial Fibrillation Ablation. *Circulation Research*, **2019**, 125, 609-627	15.7	10
280	A computational model of induced pluripotent stem-cell derived cardiomyocytes incorporating experimental variability from multiple data sources. *Journal of Physiology*, **2019**, 597, 4533-4564	3.9	38
279	Mechanisms by Which Ranolazine Terminates Paroxysmal but Not Persistent Atrial Fibrillation. *Circulation: Arrhythmia and Electrophysiology*, **2019**, 12, e005557	6.4	8
278	Three-dimensional cardiac fibre disorganization as a novel parameter for ventricular arrhythmia stratification after myocardial infarction. *Europace*, **2019**, 21, 822-832	3.9	6
277	Implications of bipolar voltage mapping and magnetic resonance imaging resolution in biventricular scar characterization after myocardial infarction. *Europace*, **2019**, 21, 163-174	3.9	6
276	Cardiac Kir2.1 and Na1.5 Channels Traffic Together to the Sarcolemma to Control Excitability. *Circulation Research*, **2018**, 122, 1501-1516	15.7	44
275	2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation. *Europace*, **2018**, 20, e1-e160	3.9	461
274	Causality analysis of leading singular value decomposition modes identifies rotor as the dominant driving normal mode in fibrillation. *Chaos*, **2018**, 28, 013128	3.3	1
273	Genome-wide Study of Atrial Fibrillation Identifies Seven Risk Loci and Highlights Biological Pathways and Regulatory Elements Involved in Cardiac Development. *American Journal of Human Genetics*, **2018**, 102, 103-115	11	53
272	2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation: Executive summary. *Europace*, **2018**, 20, 157-208	3.9	227
271	Myofibroblasts, Cytokines, and Persistent Atrial Fibrillation **2018**, 409-418		
270	Reciprocity of Cardiac Sodium and Potassium Channels in the Control of Excitability and Arrhythmias **2018**, 187-197		
269	Biobank-driven genomic discovery yields new insight into atrial fibrillation biology. *Nature Genetics*, **2018**, 50, 1234-1239	36.3	254
268	The tornadoes of sudden cardiac arrest. *Nature*, **2018**, 555, 597-598	50.4	5
267	Factors affecting basket catheter detection of real and phantom rotors in the atria: A computational study. *PLoS Computational Biology*, **2018**, 14, e1006017	5	25
266	Mechanisms and Drug Development in Atrial Fibrillation. *Pharmacological Reviews*, **2018**, 70, 505-525	22.5	38
265	Brugada syndrome trafficking-defective Nav1.5 channels can trap cardiac Kir2.1/2.2 channels. *JCI Insight*, **2018**, 3,	9.9	18

264	Structural basis for the antiarrhythmic blockade of a potassium channel with a small molecule. *FASEB Journal*, **2018**, 32, 1778-1793	0.9	12
263	Atrial fibrillation is associated with the fibrotic remodelling of adipose tissue in the subepicardium of human and sheep atria. *European Heart Journal*, **2017**, 38, 53-61	9.5	126
262	EHRA/HRS/APHRS/SOLAECE expert consensus on atrial cardiomyopathies: Definition, characterization, and clinical implication. *Heart Rhythm*, **2017**, 14, e3-e40	6.7	138
261	Tbx20 controls the expression of the KCNH2 gene and of hERG channels. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E416-E425	11.5	22
260	2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation: Executive summary. *Journal of Arrhythmia*, **2017**, 33, 369-409	1.5	148
259	2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation: executive summary. *Journal of Interventional Cardiac Electrophysiology*, **2017**, 50, 1-55	2.4	58
258	2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation: Executive summary. *Heart Rhythm*, **2017**, 14, e445-e494	6.7	72
257	Selection of the Best of 2016 in Catheter Ablation. *Revista Espanola De Cardiologia (English Ed)*, **2017**, 70, 302-303	0.7	
256	Eplerenone Reduces Atrial Fibrillation Burden Without Preventing Atrial Electrical Remodeling. *Journal of the American College of Cardiology*, **2017**, 70, 2893-2905	15.1	30
255	hiPSC-CM Monolayer Maturation State Determines Drug Responsiveness in High Throughput Pro-Arrhythmia Screen. *Scientific Reports*, **2017**, 7, 13834	4.9	40
254	Evaluation of cardiovascular health in sarcoma survivors.. *Journal of Clinical Oncology*, **2017**, 35, e21579-e21579		
253	Complement Destabilizes Cardiomyocyte Function In Vivo after Polymicrobial Sepsis and In Vitro. *Journal of Immunology*, **2016**, 197, 2353-61	5.3	35
252	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	5.8	51
251	Dynamics and Molecular Mechanisms of Ventricular Fibrillation in Structurally Normal Hearts. *Cardiac Electrophysiology Clinics*, **2016**, 8, 601-12	1.4	7
250	Deficient cMyBP-C protein expression during cardiomyocyte differentiation underlies human hypertrophic cardiomyopathy cellular phenotypes in disease specific human ES cell derived cardiomyocytes. *Journal of Molecular and Cellular Cardiology*, **2016**, 99, 197-206	5.8	25
249	Cardiac electrical defects in progeroid mice and Hutchinson-Gilford progeria syndrome patients with nuclear lamina alterations. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E7250-E7259	11.5	34
248	Nav1.5 N-terminal domain binding to 1-syntrophin increases membrane density of human Kir2.1, Kir2.2 and Nav1.5 channels. *Cardiovascular Research*, **2016**, 110, 279-90	9.9	43
247	Mechanisms of Atrial Fibrillation: Rotors, Ionic Determinants, and Excitation Frequency. *Heart Failure Clinics*, **2016**, 12, 167-78	3.3	10

246	Novel Upstream Approaches to Prevent Atrial Fibrillation Perpetuation. *Heart Failure Clinics*, **2016**, 12, 309-22	3.3	5
245	STRUCTURAL AND FUNCTIONAL BASES OF CARDIAC FIBRILLATION. DIFFERENCES AND SIMILARITIES BETWEEN ATRIA AND VENTRICLES. *JACC: Clinical Electrophysiology*, **2016**, 2, 1-3	4.6	8
244	Mechanistic Approaches to Detect, Target, and Ablate the Drivers of Atrial Fibrillation. *Circulation: Arrhythmia and Electrophysiology*, **2016**, 9, e002481	6.4	29
243	Atrial Fibrillation Susceptibility in Obesity: An Excess Adiposity and Fibrosis Complicity?. *Circulation Research*, **2016**, 118, 1468-1471	15.7	13
242	EHRA/HRS/APHRS/SOLAECE expert consensus on atrial cardiomyopathies: definition, characterization, and clinical implication. *Europace*, **2016**, 18, 1455-1490	3.9	268
241	Scn2b Deletion in Mice Results in Ventricular and Atrial Arrhythmias. *Circulation: Arrhythmia and Electrophysiology*, **2016**, 9,	6.4	21
240	Reply: The Role of Pro-Fibrotic Biomarkers in Atrial Fibrillation: How Good Are We in the Translational Interpretation?. *JACC Basic To Translational Science*, **2016**, 1, 552-553	8.7	
239	Galectin-3 Regulates Atrial Fibrillation Remodeling and Predicts Catheter Ablation Outcomes. *JACC Basic To Translational Science*, **2016**, 1, 143-154	8.7	70
238	Constitutive Intracellular Na+ Excess in Purkinje Cells Promotes Arrhythmogenesis at Lower Levels of Stress Than Ventricular Myocytes From Mice With Catecholaminergic Polymorphic Ventricular Tachycardia. *Circulation*, **2016**, 133, 2348-59	16.7	18
237	Extracellular Matrix-Mediated Maturation of Human Pluripotent Stem Cell-Derived Cardiac Monolayer Structure and Electrophysiological Function. *Circulation: Arrhythmia and Electrophysiology*, **2016**, 9, e003638	6.4	135
236	Mutated KCNJ5 activates the acute and chronic regulatory steps in aldosterone production. *Journal of Molecular Endocrinology*, **2016**, 57, 1-11	4.5	26
235	EHRA/HRS/APHRS/SOLAECE expert consensus on Atrial cardiomyopathies: Definition, characterisation, and clinical implication. *Journal of Arrhythmia*, **2016**, 32, 247-78	1.5	59
234	Pulmonary vein triggers, focal sources, rotors and atrial cardiomyopathy: implications for the choice of the most effective ablation therapy. *Journal of Internal Medicine*, **2016**, 279, 449-56	10.8	11
233	Role of extracellular histones in the cardiomyopathy of sepsis. *FASEB Journal*, **2015**, 29, 2185-93	0.9	73
232	A device for rapid and quantitative measurement of cardiac myocyte contractility. *Review of Scientific Instruments*, **2015**, 86, 034302	1.7	17
231	Spectral analysis-based risk score enables early prediction of mortality and cerebral performance in patients undergoing therapeutic hypothermia for ventricular fibrillation and comatose status. *International Journal of Cardiology*, **2015**, 186, 250-8	3.2	6
230	Protein assemblies of sodium and inward rectifier potassium channels control cardiac excitability and arrhythmogenesis. *American Journal of Physiology - Heart and Circulatory Physiology*, **2015**, 308, H1463-73	5.2	34
229	Arrhythmogenesis in a catecholaminergic polymorphic ventricular tachycardia mutation that depresses ryanodine receptor function. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E1669-77	11.5	58

228	Letter by Jalife et al Regarding Article, "Quantitative Analysis of Localized Sources Identified by Focal Impulse and Rotor Modulation Mapping in Atrial Fibrillation". *Circulation: Arrhythmia and Electrophysiology*, **2015**, 8, 1296-8	6.4	26
227	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, 1133-43	6.4	7
226	Scn1b deletion leads to increased tetrodotoxin-sensitive sodium current, altered intracellular calcium homeostasis and arrhythmias in murine hearts. *Journal of Physiology*, **2015**, 593, 1389-407	3.9	47
225	Ion channel macromolecular complexes in cardiomyocytes: roles in sudden cardiac death. *Circulation Research*, **2015**, 116, 1971-88	15.7	81
224	Are multi-electrode arrays able to differentiate anatomical from functional reentries in an excitable sheet? **2015**,		1
223	Atrial remodeling, fibrosis, and atrial fibrillation. *Trends in Cardiovascular Medicine*, **2015**, 25, 475-84	6.9	133
222	Novel upstream approaches to prevent atrial fibrillation perpetuation. *Cardiology Clinics*, **2014**, 32, 637-50	2.5	6
221	Mechanisms of atrial fibrillation: rotors, ionic determinants, and excitation frequency. *Cardiology Clinics*, **2014**, 32, 495-506	2.5	18
220	Dominant frequency increase rate predicts transition from paroxysmal to long-term persistent atrial fibrillation. *Circulation*, **2014**, 129, 1472-82	16.7	112
219	Reciprocity of Cardiac Sodium and Potassium Channels in the Control of Excitability and Arrhythmias **2014**, 205-214		1
218	Spectral analysis of electrograms in a substrate modified by radiofrequency ablation reveals similarities between organized and disorganized atrial rhythms. *Heart Rhythm*, **2014**, 11, 2306-9	6.7	4
217	Rebuttal from Sanjiv M. Narayan and Jos Jalife. *Journal of Physiology*, **2014**, 592, 3171	3.9	9
216	Comparison of radiofrequency catheter ablation of drivers and circumferential pulmonary vein isolation in atrial fibrillation: a noninferiority randomized multicenter RADAR-AF trial. *Journal of the American College of Cardiology*, **2014**, 64, 2455-67	15.1	152
215	CrossTalk proposal: Rotors have been demonstrated to drive human atrial fibrillation. *Journal of Physiology*, **2014**, 592, 3163-6	3.9	48
214	Mechanisms of persistent atrial fibrillation. *Current Opinion in Cardiology*, **2014**, 29, 20-7	2.1	50
213	Myofibroblasts, Cytokines, and Persistent Atrial Fibrillation **2014**, 459-467		
212	Retroalimentaci mecanoel trica del miocardio isqu mico: un juego que modula su capacidad fibrilatoria. *Revista Espanola De Cardiologia*, **2013**, 66, 168-170	1.5	2
211	The ionic bases of the action potential in isolated mouse cardiac Purkinje cell. *Heart Rhythm*, **2013**, 10, 80-7	6.7	33

210	Myosin light chain 2-based selection of human iPSC-derived early ventricular cardiac myocytes. *Stem Cell Research*, **2013**, 11, 1335-47	1.6	74
209	Inhibition of platelet-derived growth factor-AB signaling prevents electromechanical remodeling of adult atrial myocytes that contact myofibroblasts. *Heart Rhythm*, **2013**, 10, 1044-51	6.7	35
208	Neuroanatomy of the murine cardiac conduction system: a combined stereomicroscopic and fluorescence immunohistochemical study. *Autonomic Neuroscience: Basic and Clinical*, **2013**, 176, 32-47	2.4	32
207	KCNJ2 mutation in short QT syndrome 3 results in atrial fibrillation and ventricular proarrhythmia. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 4291-6	11.5	108
206	Introduction to the series on Computational Approaches to Cardiac Arrhythmias: Translation Into Diagnostics and Therapy. *Circulation Research*, **2013**, 112, 831-3	15.7	3
205	Noninvasive localization of maximal frequency sites of atrial fibrillation by body surface potential mapping. *Circulation: Arrhythmia and Electrophysiology*, **2013**, 6, 294-301	6.4	83
204	Rotors and the dynamics of cardiac fibrillation. *Circulation Research*, **2013**, 112, 849-62	15.7	258
203	Heterogeneity of ryanodine receptor dysfunction in a mouse model of catecholaminergic polymorphic ventricular tachycardia. *Circulation Research*, **2013**, 112, 298-308	15.7	42
202	Nerves projecting from the intrinsic cardiac ganglia of the pulmonary veins modulate sinoatrial node pacemaker function. *Cardiovascular Research*, **2013**, 99, 566-75	9.9	37
201	TGF-1, released by myofibroblasts, differentially regulates transcription and function of sodium and potassium channels in adult rat ventricular myocytes. *PLoS ONE*, **2013**, 8, e55391	3.7	53
200	Genetically engineered excitable cardiac myofibroblasts coupled to cardiomyocytes rescue normal propagation and reduce arrhythmia complexity in heterocellular monolayers. *PLoS ONE*, **2013**, 8, e55400	3.7	15
199	Venice Chart international consensus document on atrial fibrillation ablation: 2011 update. *Journal of Cardiovascular Electrophysiology*, **2012**, 23, 890-923	2.7	65
198	2012 HRS/EHRA/ECAS Expert Consensus Statement on Catheter and Surgical Ablation of Atrial Fibrillation: recommendations for patient selection, procedural techniques, patient management and follow-up, definitions, endpoints, and research trial design. *Europace*, **2012**, 14, 528-606	3.9	1160
197	Iatrogenic atrioventricular reentrant tachycardia following Bjork/Fontan palliation of tricuspid atresia: Electro-anatomic mapping, ablation, review and possible mechanism. *Journal of Cardiology Cases*, **2012**, 6, e66-e69	0.6	
196	Elevated pre-operative serum peptides for collagen I and III synthesis result in post-surgical atrial fibrillation. *Journal of the American College of Cardiology*, **2012**, 60, 1799-806	15.1	54
195	2012 HRS/EHRA/ECAS expert consensus statement on catheter and surgical ablation of atrial fibrillation: recommendations for patient selection, procedural techniques, patient management and follow-up, definitions, endpoints, and research trial design: a report of the Heart Rhythm Society (HRS) Task Force on Catheter and Surgical Ablation of Atrial Fibrillation. Developed in	6.7	1314
194	Postrepolarization refractoriness in acute ischemia and after antiarrhythmic drug administration. *Heart Rhythm*, **2012**, 9, e13-4; author reply e14 . *Heart Rhythm*, **2012**, 9, 632-696.e21	6.7	0
193	Radiofrequency catheter ablation of pulmonary vein roots results in axonal degeneration of distal epicardial nerves. *Autonomic Neuroscience: Basic and Clinical*, **2012**, 167, 61-5	2.4	10

192	Spatial gradients in action potential duration created by regional magnetofection of hERG are a substrate for wavebreak and turbulent propagation in cardiomyocyte monolayers. *Journal of Physiology*, **2012**, 590, 6363-79	3.9	23
191	Pathophysiology of atrial fibrillation: From initiation to maintenance. *Journal of Arrhythmia*, **2012**, 28, 129-139	1.5	6
190	Regional cooling facilitates termination of spiral-wave reentry through unpinning of rotors in rabbit hearts. *Heart Rhythm*, **2012**, 9, 107-14	6.7	25
189	Dynamic reciprocity of sodium and potassium channel expression in a macromolecular complex controls cardiac excitability and arrhythmia. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E2134-43	11.5	133
188	Optical imaging of voltage and calcium in cardiac cells & tissues. *Circulation Research*, **2012**, 110, 609-23	15.7	204
187	2012 HRS/EHRA/ECAS expert consensus statement on catheter and surgical ablation of atrial fibrillation: recommendations for patient selection, procedural techniques, patient management and follow-up, definitions, endpoints, and research trial design. *Journal of Interventional Cardiac Electrophysiology*, **2012**, 33, 171-257	2.4	250
186	Translational research in atrial fibrillation: a quest for mechanistically based diagnosis and therapy. *Circulation: Arrhythmia and Electrophysiology*, **2012**, 5, 1207-15	6.4	19
185	Long-term frequency gradients during persistent atrial fibrillation in sheep are associated with stable sources in the left atrium. *Circulation: Arrhythmia and Electrophysiology*, **2012**, 5, 1160-7	6.4	58
184	Extracellular matrix promotes highly efficient cardiac differentiation of human pluripotent stem cells: the matrix sandwich method. *Circulation Research*, **2012**, 111, 1125-36	15.7	341
183	A null mutation of the neuronal sodium channel NaV1.6 disrupts action potential propagation and excitation-contraction coupling in the mouse heart. *FASEB Journal*, **2012**, 26, 63-72	0.9	49
182	Chloroquine terminates stretch-induced atrial fibrillation more effectively than flecainide in the sheep heart. *Circulation: Arrhythmia and Electrophysiology*, **2012**, 5, 561-70	6.4	33
181	Simultaneous voltage and calcium mapping of genetically purified human induced pluripotent stem cell-derived cardiac myocyte monolayers. *Circulation Research*, **2012**, 110, 1556-63	15.7	138
180	High-rate pacing-induced atrial fibrillation effectively reveals properties of spontaneously occurring paroxysmal atrial fibrillation in humans. *Europace*, **2012**, 14, 1560-6	3.9	20
179	Left atrial pressure and dominant frequency of atrial fibrillation in humans. *Heart Rhythm*, **2011**, 8, 181-7	6.7	46
178	Morphologic pattern of the intrinsic ganglionated nerve plexus in mouse heart. *Heart Rhythm*, **2011**, 8, 448-54	6.7	42
177	Time- and frequency-domain analyses of atrial fibrillation activation rate: the optical mapping reference. *Heart Rhythm*, **2011**, 8, 1758-65	6.7	28
176	Mechanisms Underlying Atrial Fibrillation. *Cardiac Electrophysiology Clinics*, **2011**, 3, 141-156	1.4	
175	Left-to-right ventricular differences in I(KATP) underlie epicardial repolarization gradient during global ischemia. *Heart Rhythm*, **2011**, 8, 1732-9	6.7	26

174	Immunohistochemical characterization of the intrinsic cardiac neural plexus in whole-mount mouse heart preparations. *Heart Rhythm*, **2011**, 8, 731-8	6.7	83
173	Guidance for the Heart Rhythm Society pertaining to interactions with industry endorsed by the Heart Rhythm Society on April 26, 2011. *Heart Rhythm*, **2011**, 8, e19-23	6.7	4
172	Pathophysiology of atrial fibrillation **2011**, 20-34		
171	High-resolution endocardial and epicardial optical mapping in a sheep model of stretch-induced atrial fibrillation. *Journal of Visualized Experiments*, **2011**,	1.6	11
170	Structural heterogeneity promotes triggered activity, reflection and arrhythmogenesis in cardiomyocyte monolayers. *Journal of Physiology*, **2011**, 589, 2363-81	3.9	34
169	Minimum Information about a Cardiac Electrophysiology Experiment (MICEE): standardised reporting for model reproducibility, interoperability, and data sharing. *Progress in Biophysics and Molecular Biology*, **2011**, 107, 4-10	4.7	45
168	Complement dependency of cardiomyocyte release of mediators during sepsis. *FASEB Journal*, **2011**, 25, 2500-8	0.9	45
167	Human atrial action potential and Ca2+ model: sinus rhythm and chronic atrial fibrillation. *Circulation Research*, **2011**, 109, 1055-66	15.7	238
166	Targeting atrioventricular differences in ion channel properties for terminating acute atrial fibrillation in pigs. *Cardiovascular Research*, **2011**, 89, 843-51	9.9	29
165	D□vu in the theories of atrial fibrillation dynamics. *Cardiovascular Research*, **2011**, 89, 766-75	9.9	81
164	Structural bases for the different anti-fibrillatory effects of chloroquine and quinidine. *Cardiovascular Research*, **2011**, 89, 862-9	9.9	41
163	Mammalian enabled (Mena) is a critical regulator of cardiac function. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 300, H1841-52	5.2	11
162	Loss of H3K4 methylation destabilizes gene expression patterns and physiological functions in adult murine cardiomyocytes. *Journal of Clinical Investigation*, **2011**, 121, 2641-50	15.9	91
161	A major role for HERG in determining frequency of reentry in neonatal rat ventricular myocyte monolayer. *Circulation Research*, **2010**, 107, 1503-11	15.7	41
160	Letter by Berenfeld and Jalife regarding article "dominant frequency of atrial fibrillation correlates poorly with atrial fibrillation cycle length". *Circulation: Arrhythmia and Electrophysiology*, **2010**, 3, e1; author reply e2-3	6.4	3
159	Specific residues of the cytoplasmic domains of cardiac inward rectifier potassium channels are effective antifibrillatory targets. *FASEB Journal*, **2010**, 24, 4302-12	0.9	46
158	Epicardial neural ganglionated plexus of ovine heart: anatomic basis for experimental cardiac electrophysiology and nerve protective cardiac surgery. *Heart Rhythm*, **2010**, 7, 942-50	6.7	49
157	Mechanisms underlying the antifibrillatory action of hyperkalemia in Guinea pig hearts. *Biophysical Journal*, **2010**, 98, 2091-101	2.9	22

156	Purkinje cell calcium dysregulation is the cellular mechanism that underlies catecholaminergic polymorphic ventricular tachycardia. *Heart Rhythm*, **2010**, 7, 1122-8	6.7	64
155	Prevention of atrial fibrillation: report from a national heart, lung, and blood institute workshop. *Circulation*, **2009**, 119, 606-18	16.7	378
154	Ventricular Fibrillation: A Historical Perspective **2009**, 41-59		
153	A single-cell model of phase-driven control of ventricular fibrillation frequency. *Biophysical Journal*, **2009**, 96, 2961-76	2.9	4
152	Paroxysmal atrioventricular block: are phase 3 and phase 4 block mechanisms or misnomers?. *Heart Rhythm*, **2009**, 6, 1514-21	6.7	57
151	Nerve supply of the human pulmonary veins: an anatomical study. *Heart Rhythm*, **2009**, 6, 221-8	6.7	75
150	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. *Heart Rhythm*, **2009**, 6, 33-40	6.7	244
149	Left versus right atrial difference in dominant frequency, K(+) channel transcripts, and fibrosis in patients developing atrial fibrillation after cardiac surgery. *Heart Rhythm*, **2009**, 6, 1415-22	6.7	70
148	Complex fractionated atrial electrograms: properties of time-domain versus frequency-domain methods. *Heart Rhythm*, **2009**, 6, 1475-82	6.7	24
147	Mechanisms of stretch-induced atrial fibrillation in the presence and the absence of adrenocholinergic stimulation: interplay between rotors and focal discharges. *Heart Rhythm*, **2009**, 6, 1009-17	6.7	55
146	Inward rectifier potassium channels control rotor frequency in ventricular fibrillation. *Heart Rhythm* , **2009**, 6, S44-8	6.7	22
145	Mechanisms of Atrial Fibrillation in Animals and Humans **2009**, 61-74		
144	Electrotonic myofibroblast-to-myocyte coupling increases propensity to reentrant arrhythmias in two-dimensional cardiac monolayers. *Biophysical Journal*, **2008**, 95, 4469-80	2.9	175
143	Cardiac fibrillation: from ion channels to rotors in the human heart. *Heart Rhythm*, **2008**, 5, 872-9	6.7	141
142	Reentry in an accessory atrioventricular pathway as a trigger for atrial fibrillation initiation in manifest Wolff-Parkinson-White syndrome: a matter of reflection?. *Heart Rhythm*, **2008**, 5, 1238-47	6.7	13
141	Role of conduction velocity restitution and short-term memory in the development of action potential duration alternans in isolated rabbit hearts. *Circulation*, **2008**, 118, 17-25	16.7	104
140	RXP-E: a connexin43-binding peptide that prevents action potential propagation block. *Circulation Research*, **2008**, 103, 519-26	15.7	35
139	Atrial septopulmonary bundle of the posterior left atrium provides a substrate for atrial fibrillation initiation in a model of vagally mediated pulmonary vein tachycardia of the structurally normal heart. *Circulation: Arrhythmia and Electrophysiology*, **2008**, 1, 175-83	6.4	60

138	Dominant Frequency Mapping to Assess the Consequences of Remodeling in the Mechanism of Atrial Fibrillation **2008**, 77-100		1
137	Arrhythmogenic mechanisms in a mouse model of catecholaminergic polymorphic ventricular tachycardia. *Circulation Research*, **2007**, 101, 1039-48	15.7	215
136	Reentry and atrial fibrillation. *Heart Rhythm*, **2007**, 4, S13-6	6.7	28
135	Aging and atrial fibrillation research: where we are and where we should go. *Heart Rhythm*, **2007**, 4, 186-7	6.7	16
134	Endoscopic fluorescence mapping of the left atrium: a novel experimental approach for high resolution endocardial mapping in the intact heart. *Heart Rhythm*, **2007**, 4, 916-24	6.7	20
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10	Generating a Large Animal Model of Persistent Atrial Fibrillation20-31	
9	Inheritable Arrhythmogenic Diseases276-315	1
8	Ion Channel Regulation72-91	1
7	Impulse Initiation and Propagation in Cardiac Muscle92-120	2
6	Basic Mechanisms of Cardiac Arrhythmias152-190	1
5	Rotors, Spirals, and Scroll Waves in the Heart191-223	2
4	Bioelectricity7-42	
3	Ion Channels43-71	
2	Rate Dependency of Discontinuous Propagation121-151	
1	Molecular Mechanisms of Ventricular Fibrillation254-275	