Jose Jalife

List of Publications by Year
in descending order

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322 papers	33,515 citations	4383 86 h-index	4112 175 g-index
343 all docs	343 docs citations	343 times ranked	18214 citing authors

#	Article	IF	Citations
1	Paclitaxel mitigates structural alterations and cardiac conduction system defects in a mouse model of Hutchinsonâ€“Gilford progeria syndrome. Cardiovascular Research, 2022, 118, 503-516.	1.8	12
2	Tbx5 variants disrupt Nav1.5 function differently in patients diagnosed with Brugada or Long QT Syndrome. Cardiovascular Research, 2022, 118, 1046-1060.	1.8	15
3	Transcriptome and proteome mapping in the sheep atria reveal molecular featurets of atrial fibrillation progression. Cardiovascular Research, 2021, 117, 1760-1775.	1.8	14
4	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.	1.8	27
5	Anatomical targets and expected outcomes of catheterâ€based ablation of atrial fibrillation in 2020. PACE - Pacing and Clinical Electrophysiology, 2021, 44, 341-359.	0.5	5
6	Cardiac phenotype in familial partial lipodystrophy. Clinical Endocrinology, 2021, 94, 1043-1053.	1.2	7
7	Novel approaches to mechanism-based atrial fibrillation ablation. Cardiovascular Research, 2021, 117, 1662-1681.	1.8	15
8	Mapping Technologies for Catheter Ablation of Atrial Fibrillation Beyond Pulmonary Vein Isolation. European Cardiology Review, 2021, 16, e21.	0.7	9
9	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.	1.6	5
10	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.	1.6	1
11	Personalized monitoring of electrical remodelling during atrial fibrillation progression via remote transmissions from implantable devices. Europace, 2020, 22, 704-715.	0.7	16
12	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.	2.5	18
13	The p.P888L SAP97 polymorphism increases the transient outward current (Ito,f) and abbreviates the action potential duration and the QT interval. Scientific Reports, 2020, 10, 10707.	1.6	7
14	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.	2.0	20
15	A computational model of induced pluripotent stemâ€cell derived cardiomyocytes incorporating experimental variability from multiple data sources. Journal of Physiology, 2019, 597, 4533-4564.	1.3	87
16	Mechanisms by Which Ranolazine Terminates Paroxysmal but Not Persistent Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e005557.	2.1	10
17	Use of Human Induced Pluripotent Stem Cellâ€“Derived Cardiomyocytes in Preclinical Cancer Drug Cardiotoxicity Testing: A Scientific Statement From the American Heart Association. Circulation Research, 2019, 125, e75-e92.	2.0	103
18	A Computational Approach to Predict Mechanisms of Phenotypic VariabilityÂin Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Biophysical Journal, 2019, 116, 101a.	0.2	0

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19	Atrial Myopathy. JACC Basic To Translational Science, 2019, 4, 640-654.	1.9	134
20	Clinical Characteristics and Electrophysiological Mechanisms Underlying Brugada ECG in Patients With Severe Hyperkalemia. Journal of the American Heart Association, 2019, 8, e010115.	1.6	20
21	Functional cardiac fibroblasts derived from human pluripotent stem cells via second heart field progenitors. Nature Communications, 2019, 10, 2238.	5.8	125
22	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.	2.1	6
23	Three-dimensional cardiac fibre disorganization as a novel parameter for ventricular arrhythmia stratification after myocardial infarction. Europace, 2019, 21, 822-832.	0.7	12
24	Implications of bipolar voltage mapping and magnetic resonance imaging resolution in biventricular scar characterization after myocardial infarction. Europace, 2019, 21, 163-174.	0.7	8
25	Cardiac Kir2.1 and Na _V 1.5 Channels Traffic Together to the Sarcolemma to Control Excitability. Circulation Research, 2018, 122, 1501-1516.	2.0	83
26	A Computational Analysis of Inter-Subject Variability in Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Biophysical Journal, 2018, 114, 472a-473a.	0.2	0
27	2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation. Europace, 2018, 20, e1-e160.	0.7	767
28	Causality analysis of leading singular value decomposition modes identifies rotor as the dominant driving normal mode in fibrillation. Chaos, 2018, 28, 013128.	1.0	3
29	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.	2.6	86
30	2017â€‰HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation: Executive summary. Europace, 2018, 20, 157-208.	0.7	375
31	Myofibroblasts, Cytokines, and Persistent Atrial Fibrillation. , 2018, , 409-418.		0
32	Reciprocity of Cardiac Sodium and Potassium Channels in the Control of Excitability and Arrhythmias. , 2018, , 187-197.		0
33	Structural basis for the antiarrhythmic blockade of a potassium channel with a small molecule. FASEB Journal, 2018, 32, 1778-1793.	0.2	22
34	Functional Cardiac Fibroblasts Derived from Human Pluripotent Stem Cells via Second Heart Field Progenitors. Journal of Molecular and Cellular Cardiology, 2018, 124, 83.	0.9	1
35	Biobank-driven genomic discovery yields new insight into atrial fibrillation biology. Nature Genetics, 2018, 50, 1234-1239.	9.4	547
36	The tornadoes of sudden cardiac arrest. Nature, 2018, 555, 597-598.	13.7	11

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37	Factors affecting basket catheter detection of real and phantom rotors in the atria: A computational study. PLoS Computational Biology, 2018, 14, e1006017.	1.5	52
38	Mechanisms and Drug Development in Atrial Fibrillation. Pharmacological Reviews, 2018, 70, 505-525.	7.1	67
39	Brugada syndrome traffickingâ€“defective Nav1.5 channels can trap cardiac Kir2.1/2.2 channels. JCI Insight, 2018, 3, .	2.3	37
40	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.	1.0	198
41	EHRA/HRS/APHRS/SOLAECE expert consensus on atrial cardiomyopathies: Definition, characterization, and clinical implication. Heart Rhythm, 2017, 14, e3-e40.	0.3	442
42	2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation. Heart Rhythm, 2017, 14, e275-e444.	0.3	1,671
43	Is TGF-Î² ₁ (Transforming Growth Factor-Î² ₁) an Enabler of Myofibroblastâ€“Cardiomyocyte Cross Talk?. Circulation: Arrhythmia and Electrophysiology, 2017, 10, e005289.	2.1	6
44	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.	3.3	38
45	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.	0.5	348
46	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.	0.6	83
47	Propagation of Sinus Waves in the Atrial Architecture. Circulation: Arrhythmia and Electrophysiology, 2017, 10, .	2.1	1
48	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.	0.3	135
49	Selection of the Best of 2016 in Catheter Ablation. Revista Espanola De Cardiologia (English Ed), 2017, 70, 302-303.	0.4	0
50	Eplerenone Reduces Atrial Fibrillation Burden Without Preventing AtrialÂElectrical Remodeling. Journal of the American College of Cardiology, 2017, 70, 2893-2905.	1.2	48
51	hiPSC-CM Monolayer Maturation State Determines Drug Responsiveness in High Throughput Pro-Arrhythmia Screen. Scientific Reports, 2017, 7, 13834.	1.6	63
52	Synergistic Research Between the Center of Arrhythmia Research and the Michigan Biology of Cardiovascular Aging at the University of Michigan. Circulation Research, 2017, 121, 1221-1223.	2.0	2
53	Triple threat: adiposity, aging, atrial fibrillation. Aging, 2017, 9, 2235-2236.	1.4	5
54	Evaluation of cardiovascular health in sarcoma survivors.. Journal of Clinical Oncology, 2017, 35, e21579-e21579.	0.8	0

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55	Abstract 21054: Hematopoietic Factors Are Sufficient to Increase AF in Aged, Atherosclerotic Mice. Circulation, 2017, 136, .	1.6	0
56	Atrial Fibrillation Susceptibility in Obesity. Circulation Research, 2016, 118, 1468-1471.	2.0	21
57	EHRA/HRS/APHRS/SOLAECE expert consensus on atrial cardiomyopathies: definition, characterization, and clinical implication. Europace, 2016, 18, 1455-1490.	0.7	471
58	Scn2b Deletion in Mice Results in Ventricular and Atrial Arrhythmias. Circulation: Arrhythmia and Electrophysiology, 2016, 9, .	2.1	42
59	Reply. JACC Basic To Translational Science, 2016, 1, 552-553.	1.9	0
60	Galectin-3 Regulates Atrial Fibrillation Remodeling and Predicts Catheter Ablation Outcomes. JACC Basic To Translational Science, 2016, 1, 143-154.	1.9	99
61	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, 2348-2359.	1.6	22
62	Ablation of two Major Phosphorylation Sites in RyR2 Alter Sarcoplamic Reticulum Calcium Handling and Increases the Propensity to Atrial Fibrillation. Biophysical Journal, 2016, 110, 270a.	0.2	0
63	Extracellular Matrixâ€“Mediated Maturation of Human Pluripotent Stem Cellâ€“Derived Cardiac Monolayer Structure and Electrophysiological Function. Circulation: Arrhythmia and Electrophysiology, 2016, 9, e003638.	2.1	206
64	Mutated KCNJ5 activates the acute and chronic regulatory steps in aldosterone production. Journal of Molecular Endocrinology, 2016, 57, 1-11.	1.1	35
65	EHRA/HRS/APHRS/SOLAECE expert consensus on Atrial cardiomyopathies: Definition, characterisation, and clinical implication. Journal of Arrhythmia, 2016, 32, 247-278.	0.5	92
66	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, 449-456.	2.7	13
67	Complement Destabilizes Cardiomyocyte Function In Vivo after Polymicrobial Sepsis and In Vitro. Journal of Immunology, 2016, 197, 2353-2361.	0.4	47
68	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
69	Dynamics and Molecular Mechanisms of Ventricular Fibrillation in Structurally Normal Hearts. Cardiac Electrophysiology Clinics, 2016, 8, 601-612.	0.7	9
70	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.	0.9	52
71	Cardiac electrical defects in progeroid mice and Hutchinsonâ€“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.	3.3	39
72	Nav1.5 N-terminal domain binding to Î±1-syntrophin increases membrane density of human Kir2.1, Kir2.2 and Nav1.5 channels. Cardiovascular Research, 2016, 110, 279-290.	1.8	77

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73	Mechanisms of Atrial Fibrillation. Heart Failure Clinics, 2016, 12, 167-178.	1.0	14
74	Novel Upstream Approaches to Prevent Atrial Fibrillation Perpetuation. Heart Failure Clinics, 2016, 12, 309-322.	1.0	8
75	Structural and Functional Bases of CardiacÂFibrillation. JACC: Clinical Electrophysiology, 2016, 2, 1-13.	1.3	13
76	Mechanistic Approaches to Detect, Target, and Ablate the Drivers of Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2016, 9, e002481.	2.1	38
77	Ion Channel Macromolecular Complexes in Cardiomyocytes: Roles in Sudden Cardiac Death. Circulation Research, 2015, 116, 1971-1988.	2.0	116
78	Are multi-electrode arrays able to differentiate anatomical from functional reentries in an excitable sheet?. , 2015, , .		1
79	Atrial remodeling, fibrosis, and atrial fibrillation. Trends in Cardiovascular Medicine, 2015, 25, 475-484.	2.3	218
80	Role of extracellular histones in the cardiomyopathy of sepsis. FASEB Journal, 2015, 29, 2185-2193.	0.2	98
81	A device for rapid and quantitative measurement of cardiac myocyte contractility. Review of Scientific Instruments, 2015, 86, 034302.	0.6	21
82	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, 250-258.	0.8	9
83	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-H1473.	1.5	43
84	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.	3.3	88
85	Letter by Jalife et al Regarding Article, â€œQuantitative Analysis of Localized Sources Identified by Focal Impulse and Rotor Modulation Mapping in Atrial Fibrillationâ€• Circulation: Arrhythmia and Electrophysiology, 2015, 8, 1296-1298.	2.1	42
86	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
87	The elusive rotor electrogram footprint. Europace, 2015, 17, 1743-1744.	0.7	0
88	Scn1b deletion leads to increased tetrodotoxinâ€sensitive sodium current, altered intracellular calcium homeostasis and arrhythmias in murine hearts. Journal of Physiology, 2015, 593, 1389-1407.	1.3	62
89	Reciprocity of Cardiac Sodium and Potassium Channels in the Control of Excitability and Arrhythmias. , 2014, , 205-214.		1
90	Spectral analysis of electrograms in a substrate modified by radiofrequency ablation reveals similarities between organized and disorganized atrial rhythms. Heart Rhythm, 2014, 11, 2306-2309.	0.3	4

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91	Rebuttal from Sanjiv M. Narayan and JosÃ© Jalife. Journal of Physiology, 2014, 592, 3171-3171.	1.3	12
92	Comparison of Radiofrequency CatheterÂAblation of Drivers and Circumferential Pulmonary Vein IsolationÂin Atrial Fibrillation. Journal of the American College of Cardiology, 2014, 64, 2455-2467.	1.2	197
93	CrossTalk proposal: Rotors have been demonstrated to drive human atrial fibrillation. Journal of Physiology, 2014, 592, 3163-3166.	1.3	64
94	Mechanisms of persistent atrial fibrillation. Current Opinion in Cardiology, 2014, 29, 20-27.	0.8	70
95	Novel Upstream Approaches to Prevent Atrial Fibrillation Perpetuation. Cardiology Clinics, 2014, 32, 637-650.	0.9	7
96	Mechanisms of Atrial Fibrillation. Cardiology Clinics, 2014, 32, 495-506.	0.9	18
97	Dominant Frequency Increase Rate Predicts Transition from Paroxysmal to Long-Term Persistent Atrial Fibrillation. Circulation, 2014, 129, 1472-1482.	1.6	144
98	Myofibroblasts, Cytokines, and Persistent Atrial Fibrillation. , 2014, , 459-467.		0
99	Abstract 17810: Spectral Analysis-Based Risk Score to Early Predict Mortality and Cerebral Performance in Patients Undergoing Therapeutic Hypothermia for Ventricular Fibrillation and Comatose Status. Circulation, 2014, 130, .	1.6	0
100	Abstract 19063: Mechanistic Comparison of â€œNearly-Missedâ€•versus â€œOn-Targetâ€•Rotor Ablation. Circulation, 2014, 130, .	1.6	0
101	RetroalimentaciÃ³n mecanoelÃ©ctrica del miocardio isquÃ©mico: un juego que modula su capacidad fibrilatoria. Revista Espanola De Cardiologia, 2013, 66, 168-170.	0.6	2
102	Modulated parasystole: Still relevant after all these years!. Heart Rhythm, 2013, 10, 1441-1443.	0.3	6
103	The ionic bases of the action potential in isolated mouse cardiac Purkinje cell. Heart Rhythm, 2013, 10, 80-87.	0.3	40
104	Mechanoelectric Feedback in the Ischemic Myocardium: An Interplay That Modulates Susceptibility to Fibrillation. Revista Espanola De Cardiologia (English Ed), 2013, 66, 168-170.	0.4	5
105	Myosin light chain 2-based selection of human iPSC-derived early ventricular cardiac myocytes. Stem Cell Research, 2013, 11, 1335-1347.	0.3	95
106	Inhibition of platelet-derived growth factor-AB signaling prevents electromechanical remodeling of adult atrial myocytes that contact myofibroblasts. Heart Rhythm, 2013, 10, 1044-1051.	0.3	46
107	Neuroanatomy of the murine cardiac conduction system. Autonomic Neuroscience: Basic and Clinical, 2013, 176, 32-47.	1.4	58
108	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, 4291-4296.	3.3	130

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109	Introduction to the Series on Computational Approaches to Cardiac Arrhythmias. Circulation Research, 2013, 112, 831-833.	2.0	3
110	And the beat goes on ... the beat goes on: organization and quasi-periodicity in ventricular fibrillation. Cardiovascular Research, 2013, 99, 375-377.	1.8	0
111	Noninvasive Localization of Maximal Frequency Sites of Atrial Fibrillation by Body Surface Potential Mapping. Circulation: Arrhythmia and Electrophysiology, 2013, 6, 294-301.	2.1	120
112	Rotors and the Dynamics of Cardiac Fibrillation. Circulation Research, 2013, 112, 849-862.	2.0	358
113	Heterogeneity of Ryanodine Receptor Dysfunction in a Mouse Model of Catecholaminergic Polymorphic Ventricular Tachycardia. Circulation Research, 2013, 112, 298-308.	2.0	54
114	Nerves projecting from the intrinsic cardiac ganglia of the pulmonary veins modulate sinoatrial node pacemaker function. Cardiovascular Research, 2013, 99, 566-575.	1.8	50
115	TGF-Î²1, Released by Myofibroblasts, Differentially Regulates Transcription and Function of Sodium and Potassium Channels in Adult Rat Ventricular Myocytes. PLoS ONE, 2013, 8, e55391.	1.1	66
116	Genetically Engineered Excitable Cardiac Myofibroblasts Coupled to Cardiomyocytes Rescue Normal Propagation and Reduce Arrhythmia Complexity in Heterocellular Monolayers. PLoS ONE, 2013, 8, e55400.	1.1	16
117	Translational Research in Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2012, 5, 1207-1215.	2.1	23
118	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, 1160-1167.	2.1	65
119	Extracellular Matrix Promotes Highly Efficient Cardiac Differentiation of Human Pluripotent Stem Cells. Circulation Research, 2012, 111, 1125-1136.	2.0	416
120	A null mutation of the neuronal sodium channel Na _V 1.6 disrupts action potential propagation and excitationâ€contraction coupling in the mouse heart. FASEB Journal, 2012, 26, 63-72.	0.2	54
121	Chloroquine Terminates Stretch-Induced Atrial Fibrillation More Effectively Than Flecainide in the Sheep Heart. Circulation: Arrhythmia and Electrophysiology, 2012, 5, 561-570.	2.1	38
122	Simultaneous Voltage and Calcium Mapping of Genetically Purified Human Induced Pluripotent Stem Cellâ€"Derived Cardiac Myocyte Monolayers. Circulation Research, 2012, 110, 1556-1563.	2.0	187
123	High-rate pacing-induced atrial fibrillation effectively reveals properties of spontaneously occurring paroxysmal atrial fibrillation in humans. Europace, 2012, 14, 1560-1566.	0.7	20
124	Venice Chart International Consensus Document on Atrial Fibrillation Ablation: 2011 Update. Journal of Cardiovascular Electrophysiology, 2012, 23, 890-923.	0.8	79
125	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 partnership with the European Heart Rhythm Association (EHRA), a registered branch of the European Society of Cardiology (ESC) and the E	0.7	1,497
126	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.	0.2	0

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127	Biological pacemakers: The oscillatory road ahead. Heart Rhythm, 2012, 9, 1319-1320.	0.3	0
128	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, 1799-1806.	1.2	74
129	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. Heart Rhythm, 2012, 9, 632-696.e21.	0.3	1,541
130	Postrepolarization Refractoriness in Acute Ischemia and After Antiarrhythmic Drug Administration. Heart Rhythm, 2012, 9, e13-e14.	0.3	1
131	Radiofrequency catheter ablation of pulmonary vein roots results in axonal degeneration of distal epicardial nerves. Autonomic Neuroscience: Basic and Clinical, 2012, 167, 61-65.	1.4	10
132	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, 6363-6379.	1.3	29
133	Pathophysiology of atrial fibrillation: From initiation to maintenance. Journal of Arrhythmia, 2012, 28, 129-139.	0.5	7
134	Regional cooling facilitates termination of spiral-wave reentry through unpinning of rotors in rabbit hearts. Heart Rhythm, 2012, 9, 107-114.	0.3	30
135	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.	3.3	182
136	Optical Imaging of Voltage and Calcium in Cardiac Cells & Tissues. Circulation Research, 2012, 110, 609-623.	2.0	260
137	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.	0.6	1,167
138	Models of Human Atrial Action Potential for Sinus Rhythm and Chronic Atrial Fibrillation. Biophysical Journal, 2011, 100, 436a.	0.2	0
139	Left atrial pressure and dominant frequency of atrial fibrillation in humans. Heart Rhythm, 2011, 8, 181-187.	0.3	59
140	Morphologic pattern of the intrinsic ganglionated nerve plexus in mouse heart. Heart Rhythm, 2011, 8, 448-454.	0.3	60
141	Time- and frequency-domain analyses of atrial fibrillation activation rate: The optical mapping reference. Heart Rhythm, 2011, 8, 1758-1765.	0.3	40
142	Mechanisms Underlying Atrial Fibrillation. Cardiac Electrophysiology Clinics, 2011, 3, 141-156.	0.7	2
143	Left-to-right ventricular differences in IKATP underlie epicardial repolarization gradient during global ischemia. Heart Rhythm, 2011, 8, 1732-1739.	0.3	31
144	Immunohistochemical characterization of the intrinsic cardiac neural plexus in whole-mount mouse heart preparations. Heart Rhythm, 2011, 8, 731-738.	0.3	115

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145	Guidance for the Heart Rhythm Society Pertaining to Interactions with Industry. Heart Rhythm, 2011, 8, e19-e25.	0.3	4
146	High-Resolution Endocardial and Epicardial Optical Mapping in a Sheep Model of Stretch-Induced Atrial Fibrillation. Journal of Visualized Experiments, 2011, , .	0.2	13
147	Structural heterogeneity promotes triggered activity, reflection and arrhythmogenesis in cardiomyocyte monolayers. Journal of Physiology, 2011, 589, 2363-2381.	1.3	58
148	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.	1.4	75
149	Complement dependency of cardiomyocyte release of mediators during sepsis. FASEB Journal, 2011, 25, 2500-2508.	0.2	48
150	Complex Fractionated Atrial Electrograms. Circulation: Arrhythmia and Electrophysiology, 2011, 4, 426-428.	2.1	15
151	Human Atrial Action Potential and Ca ²⁺ Model. Circulation Research, 2011, 109, 1055-1066.	2.0	368
152	Targeting atrioventricular differences in ion channel properties for terminating acute atrial fibrillation in pigs. Cardiovascular Research, 2011, 89, 843-851.	1.8	46
153	Deja vu in the theories of atrial fibrillation dynamics. Cardiovascular Research, 2011, 89, 766-775.	1.8	114
154	Structural bases for the different anti-fibrillatory effects of chloroquine and quinidine. Cardiovascular Research, 2011, 89, 862-869.	1.8	46
155	Mammalian enabled (Mena) is a critical regulator of cardiac function. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H1841-H1852.	1.5	15
156	Loss of H3K4 methylation destabilizes gene expression patterns and physiological functions in adult murine cardiomyocytes. Journal of Clinical Investigation, 2011, 121, 2641-2650.	3.9	111
157	A Major Role for hERG in Determining Frequency of Reentry in Neonatal Rat Ventricular Myocyte Monolayer. Circulation Research, 2010, 107, 1503-1511.	2.0	45
158	Letter by Berenfeld and Jalife Regarding Article â€œDominant Frequency of Atrial Fibrillation Correlates Poorly With Atrial Fibrillation Cycle Lengthâ€• Circulation: Arrhythmia and Electrophysiology, 2010, 3, e1; author reply e2-3.	2.1	3
159	Specific residues of the cytoplasmic domains of cardiac inward rectifier potassium channels are effective antifibrillatory targets. FASEB Journal, 2010, 24, 4302-4312.	0.2	55
160	Properties of Time Domain Vs. Frequency Domain Methods used in Atrial Fibrillation. Biophysical Journal, 2010, 98, 530a.	0.2	0
161	Epicardial neural ganglionated plexus of ovine heart: Anatomic basis for experimental cardiac electrophysiology and nerve protective cardiac surgery. Heart Rhythm, 2010, 7, 942-950.	0.3	56
162	Sepsis Related C5a Peptide Causes Calcium Overload in Adult Cardiac Myocytes. Biophysical Journal, 2010, 98, 717a.	0.2	0

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