

Shien-fong Lin

List of Publications by Year in descending order

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Version: 2024-02-01

264
papers

8,929
citations

41344

49
h-index

56724

83
g-index

271
all docs

271
docs citations

271
times ranked

6141
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomaterial-induced conversion of quiescent cardiomyocytes into pacemaker cells in rats. <i>Nature Biomedical Engineering</i> , 2022, 6, 421-434.	22.5	17
2	Intelligent Bio-Impedance System for Personalized Continuous Blood Pressure Measurement. <i>Biosensors</i> , 2022, 12, 150.	4.7	5
3	Optogenetics in cardiology: methodology and future applications. <i>International Journal of Arrhythmia</i> , 2022, 23, .	0.6	1
4	Skin sympathetic nerve activity and ventricular arrhythmias in acute coronary syndrome. <i>Heart Rhythm</i> , 2022, 19, 1613-1619.	0.7	3
5	<i>Rhodiola crenulata</i> reduces ventricular arrhythmia through mitigating the activation of IL-17 and inhibiting the MAPK signaling pathway. <i>Cardiovascular Drugs and Therapy</i> , 2021, 35, 889-900.	2.6	19
6	Complex dynamics of skin sympathetic nerve activities as a prognostic predictor for critically ill patients. <i>Journal of the Formosan Medical Association</i> , 2021, 120, 660-667.	1.7	3
7	Negative Impedance Capacitive Electrode for ECG Sensing Through Fabric Layer. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-8.	4.7	9
8	Electrocardiogram lead selection for intelligent screening of patients with systolic heart failure. <i>Scientific Reports</i> , 2021, 11, 1948.	3.3	5
9	Single-Channel Bioimpedance Measurement for Wearable Continuous Blood Pressure Monitoring. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-9.	4.7	25
10	Bio-Impedance Measurement Optimization for High-Resolution Carotid Pulse Sensing. <i>Sensors</i> , 2021, 21, 1600.	3.8	11
11	Proinflammatory Cytokine Modulates Intracellular Calcium Handling and Enhances Ventricular Arrhythmia Susceptibility. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 623510.	2.4	3
12	An AI-Based Exercise Prescription Recommendation System. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2661.	2.5	7
13	The frequency spectrum of sympathetic nerve activity and arrhythmogenicity in ambulatory dogs. <i>Heart Rhythm</i> , 2021, 18, 465-472.	0.7	6
14	IPG-based field potential measurement of cultured cardiomyocytes for optogenetic applications. <i>Biosensors and Bioelectronics</i> , 2021, 179, 113060.	10.1	5
15	AI-Assisted Echocardiographic Prescreening of Heart Failure With Preserved Ejection Fraction on the Basis of Intrabeat Dynamics. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 2091-2104.	5.3	19
16	Paroxysmal atrial fibrillation prediction based on morphological variant P-wave analysis with wideband ECG and deep learning. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 211, 106396.	4.7	13
17	High Skin Sympathetic Nerve Activity in Patients with Recurrent Syncope. <i>Journal of Personalized Medicine</i> , 2021, 11, 1053.	2.5	6
18	Temporal Clustering of Skin Sympathetic Nerve Activity Bursts in Acute Myocardial Infarction Patients. <i>Frontiers in Neuroscience</i> , 2021, 15, 720827.	2.8	5

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19	Effects of ondansetron on apamin-sensitive small conductance calcium-activated potassium currents in pacing-induced failing rabbit hearts. <i>Heart Rhythm</i> , 2020, 17, 332-340.	0.7	6
20	Skin sympathetic nerve activity as a biomarker for syncopal episodes during a tilt table test. <i>Heart Rhythm</i> , 2020, 17, 804-812.	0.7	10
21	Persistent Proarrhythmic Neural Remodeling Despite Recovery From Premature Ventricular Contraction-Induced Cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2020, 75, 1-13.	2.8	24
22	Cardiac Influence of Repetitive Transcranial Magnetic Stimulation in Small Animals. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2020, 4, 279-285.	3.4	4
23	Single-Channel Impedance Plethysmography Neck Patch Device for Unobtrusive Wearable Cardiovascular Monitoring. <i>IEEE Access</i> , 2020, 8, 184909-184919.	4.2	13
24	Discretized Target Size Detection in Electrical Impedance Tomography Using Neural Network Classifier. <i>Journal of Nondestructive Evaluation</i> , 2020, 39, 1.	2.4	3
25	Design and Construction of High-Frequency Cardiac Defibrillator for Small Animals. , 2020, 2020, 2614-2617.		0
26	Anti-inflammatory and Antiarrhythmic Effects of Beta Blocker in a Rat Model of Rheumatoid Arthritis. <i>Journal of the American Heart Association</i> , 2020, 9, e016084.	3.7	12
27	Reverse electromechanical modelling of diastolic dysfunction in spontaneous hypertensive rat after sacubitril/valsartan therapy. <i>ESC Heart Failure</i> , 2020, 7, 4040-4050.	3.1	14
28	Non-invasive Recording of Parasympathetic Nervous System Activity on Auricular Vagal Nerve Branch. , 2020, 2020, 4337-4340.		0
29	Non-contact capacitive sensing for ECG recording in small animals. <i>Measurement Science and Technology</i> , 2020, 31, 125703.	2.6	6
30	Effects of high-frequency biphasic shocks on ventricular vulnerability and defibrillation outcomes through synchronized virtual electrode responses. <i>PLoS ONE</i> , 2020, 15, e0232529.	2.5	1
31	Sacubitril/Valsartan Therapy Ameliorates Ventricular Tachyarrhythmia Inducibility in a Rabbit Myocardial Infarction Model. <i>Journal of Cardiac Failure</i> , 2020, 26, 527-537.	1.7	27
32	Early lactate changes improve the outcome prediction for extracorporeal membrane oxygenation. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 58, 915-922.	1.4	4
33	Wearable Piezoelectric-Based System for Continuous Beat-to-Beat Blood Pressure Measurement. <i>Sensors</i> , 2020, 20, 851.	3.8	50
34	Ventricular divergence correlates with epicardial wavebreaks and predicts ventricular arrhythmia in isolated rabbit hearts during therapeutic hypothermia. <i>PLoS ONE</i> , 2020, 15, e0228818.	2.5	1
35	Influence of Capacitive Coupling on High-Fidelity Non-Contact ECG Measurement. <i>IEEE Sensors Journal</i> , 2020, 20, 9265-9273.	4.7	32
36	Graphene Oxide-Based Nanomaterials: An Insight into Retinal Prosthesis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2957.	4.1	19

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37	Simultaneous noninvasive recording of electrocardiogram and skin sympathetic nerve activity (neuECG). <i>Nature Protocols</i> , 2020, 15, 1853-1877.	12.0	58
38	Title is missing!. , 2020, 15, e0228818.		0
39	Title is missing!. , 2020, 15, e0228818.		0
40	Title is missing!. , 2020, 15, e0228818.		0
41	Title is missing!. , 2020, 15, e0228818.		0
42	Title is missing!. , 2020, 15, e0228818.		0
43	Title is missing!. , 2020, 15, e0228818.		0
44	LCZ696 Therapy Reduces Ventricular Tachyarrhythmia Inducibility in a Myocardial Infarction-Induced Heart Failure Rat Model. <i>Cardiovascular Therapeutics</i> , 2019, 2019, 1-9.	2.5	26
45	Improved Imaging Resolution of Electrical Impedance Tomography Using Artificial Neural Networks for Image Reconstruction. , 2019, 2019, 1551-1554.		19
46	Remote Magnetic Control of Autophagy in Mouse B-Lymphoma Cells with Iron Oxide Nanoparticles. <i>Nanomaterials</i> , 2019, 9, 551.	4.1	9
47	Graphene Oxide-Based Biosensors for Liquid Biopsies in Cancer Diagnosis. <i>Nanomaterials</i> , 2019, 9, 1725.	4.1	18
48	The Development of Controllable Magnetic Driven Microphysiological System. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 275.	3.7	3
49	Atrial fibrillation and electrophysiology in transgenic mice with cardiac-restricted overexpression of FKBP12. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H371-H379.	3.2	8
50	Effects of Stellate Ganglion Cryoablation on Subcutaneous Nerve Activity and Atrial Tachyarrhythmias in a Canine Model of Pacing-Induced Heart Failure. <i>JACC: Clinical Electrophysiology</i> , 2018, 4, 686-695.	3.2	4
51	Antiarrhythmic effects of stimulating the left dorsal branch of the thoracic nerve in a canine model of paroxysmal atrial tachyarrhythmias. <i>Heart Rhythm</i> , 2018, 15, 1242-1251.	0.7	6
52	Oscillatory behavior of P -wave duration and PR interval in experimental congestive heart failure: a preliminary study. <i>Physiological Measurement</i> , 2018, 39, 035010.	2.1	6
53	Long-term intermittent high-amplitude subcutaneous nerve stimulation reduces sympathetic tone in ambulatory dogs. <i>Heart Rhythm</i> , 2018, 15, 451-459.	0.7	14
54	Role of apamin-sensitive small conductance calcium-activated potassium currents in long-term cardiac memory in rabbits. <i>Heart Rhythm</i> , 2018, 15, 761-769.	0.7	6

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55	Electrical coupling between ventricular myocytes and myofibroblasts in the infarcted mouse heart. <i>Cardiovascular Research</i> , 2018, 114, 389-400.	3.8	62
56	Neural Activity and Atrial Tachyarrhythmias. , 2018, , 375-386.		2
57	Concomitant SK current activation and sodium current inhibition cause J wave syndrome. <i>JCI Insight</i> , 2018, 3, .	5.0	18
58	Development of a Novel Heart Rate Synchronized Pulsatile Left Ventricular Assist Device. , 2018, , .		0
59	A Mixed Reality System to Improve Walking Experience. , 2018, , .		0
60	Method for Detection and Quantification of Non-Invasive Skin Sympathetic Nerve Activity. , 2018, , .		2
61	Design and Construction of an Intelligent Stacking Cone Upper Limb Rehabilitation System. , 2018, , .		2
62	A DNA Memory Translator for Multiple Languages. , 2018, , .		0
63	Phospholamban regulates nuclear Ca ²⁺ stores and inositol 1,4,5-trisphosphate mediated nuclear Ca ²⁺ cycling in cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 123, 185-197.	1.9	17
64	Noninvasive Glucose Monitoring with a Contact Lens and Smartphone. <i>Sensors</i> , 2018, 18, 3208.	3.8	59
65	Effects of Vagal Nerve Stimulation on Ganglionated Plexi Nerve Activity and Ventricular Rate in Ambulatory Dogs With Persistent Atrial Fibrillation. <i>JACC: Clinical Electrophysiology</i> , 2018, 4, 1106-1114.	3.2	7
66	Ondansetron blocks wild-type and p.F503L variant small-conductance Ca ²⁺ -activated K ⁺ channels. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H375-H388.	3.2	18
67	Interleukin-17 enhances cardiac ventricular remodeling via activating MAPK pathway in ischemic heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 122, 69-79.	1.9	56
68	Effects of long-term exercise on arrhythmogenesis in aged hypertensive rats. <i>Computers in Biology and Medicine</i> , 2018, 102, 390-395.	7.0	7
69	Methodological considerations in calculating heart rate variability based on wearable device heart rate samples. <i>Computers in Biology and Medicine</i> , 2018, 102, 396-401.	7.0	14
70	Paradoxical Effects of Sodium-Calcium Exchanger Inhibition on Torsade de Pointes and Early Afterdepolarization in a Heart Failure Rabbit Model. <i>Journal of Cardiovascular Pharmacology</i> , 2018, 72, 97-105.	1.9	10
71	Sex-specific activation of SK current by isoproterenol facilitates action potential triangulation and arrhythmogenesis in rabbit ventricles. <i>Journal of Physiology</i> , 2018, 596, 4299-4322.	2.9	20
72	Role of Apamin-Sensitive Calcium-Activated Small-Conductance Potassium Currents on the Mechanisms of Ventricular Fibrillation in Pacing-Induced Failing Rabbit Hearts. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2017, 10, e004434.	4.8	8

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73	Skin sympathetic nerve activity precedes the onset and termination of paroxysmal atrial tachycardia and fibrillation. <i>Heart Rhythm</i> , 2017, 14, 964-971.	0.7	59
74	Roles of impaired intracellular calcium cycling in arrhythmogenicity of diabetic mouse model. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2017, 40, 1087-1095.	1.2	9
75	Left cervical vagal nerve stimulation reduces skin sympathetic nerve activity in patients with drug resistant epilepsy. <i>Heart Rhythm</i> , 2017, 14, 1771-1778.	0.7	28
76	Simultaneous recordings of intrinsic cardiac nerve activity and skin sympathetic nerve activity from human patients during the postoperative period. <i>Heart Rhythm</i> , 2017, 14, 1587-1593.	0.7	18
77	Effects of renal sympathetic denervation on the stellate ganglion and brain stem in dogs. <i>Heart Rhythm</i> , 2017, 14, 255-262.	0.7	48
78	Simultaneous noninvasive recording of skin sympathetic nerve activity and electrocardiogram. <i>Heart Rhythm</i> , 2017, 14, 25-33.	0.7	105
79	Crescendo Skin Sympathetic Nerve Activity and Ventricular Arrhythmia. <i>Journal of the American College of Cardiology</i> , 2017, 70, 3201-3202.	2.8	27
80	Pleiotropic Effects of Myocardial MMP-9 Inhibition to Prevent Ventricular Arrhythmia. <i>Scientific Reports</i> , 2016, 6, 38894.	3.3	20
81	Ventricular Myocytes Electrically Couple with Nonmyocytes in the Infarcted Mouse Heart. <i>Biophysical Journal</i> , 2016, 110, 275a.	0.5	0
82	Small conductance calcium-activated potassium current and the mechanism of atrial arrhythmia in mice with dysfunctional melanocyte-like cells. <i>Heart Rhythm</i> , 2016, 13, 1527-1535.	0.7	15
83	Phospholamban is concentrated in the nuclear envelope of cardiomyocytes and involved in perinuclear/nuclear calcium handling. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 100, 1-8.	1.9	22
84	Ganglionated plexi and ligament of Marshall ablation reduces atrial vulnerability and causes stellate ganglion remodeling in ambulatory dogs. <i>Heart Rhythm</i> , 2016, 13, 2083-2090.	0.7	17
85	Proarrhythmic risk and determinants of cardiac autonomic dysfunction in collagen-induced arthritis rats. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 491.	1.9	8
86	Unique Localization of Phospholamban in Perinuclear Membranes of Cardiomyocytes from Several Species. <i>Biophysical Journal</i> , 2016, 110, 122a.	0.5	0
87	Intermittent left cervical vagal nerve stimulation damages the stellate ganglia and reduces the ventricular rate during sustained atrial fibrillation in ambulatory dogs. <i>Heart Rhythm</i> , 2016, 13, 771-780.	0.7	46
88	Subcutaneous nerve activity and mechanisms of sudden death in a rat model of chronic kidney disease. <i>Heart Rhythm</i> , 2016, 13, 1105-1112.	0.7	11
89	Gap junction modifier rotigaptide decreases the susceptibility to ventricular arrhythmia by enhancing conduction velocity and suppressing discordant alternans during therapeutic hypothermia in isolated rabbit hearts. <i>Heart Rhythm</i> , 2016, 13, 251-261.	0.7	37
90	Estimating Sympathetic Tone by Recording Subcutaneous Nerve Activity in Ambulatory Dogs. <i>Journal of Cardiovascular Electrophysiology</i> , 2015, 26, 70-78.	1.7	45

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91	Cervical Vagal Nerve Stimulation Activates the Stellate Ganglion in Ambulatory Dogs. Korean Circulation Journal, 2015, 45, 149.	1.9	13
92	Accelerating sino-atrium computer simulations with graphic processing units. Bio-Medical Materials and Engineering, 2015, 26, S739-S746.	0.6	0
93	Neuronally released vasoactive intestinal polypeptide alters atrial electrophysiological properties and may promote atrial fibrillation. Heart Rhythm, 2015, 12, 1352-1361.	0.7	6
94	Reply to the Editorâ€™ Differential effects of SKCa blockade on arrhythmogenesis in normal and remodeled hearts. Heart Rhythm, 2015, 12, e2.	0.7	1
95	Acute reversal of phospholamban inhibition facilitates the rhythmic whole-cell propagating calcium waves in isolated ventricular myocytes. Journal of Molecular and Cellular Cardiology, 2015, 80, 126-135.	1.9	16
96	Small Conductance Calcium-Activated Potassium Current Is Important in Transmural Repolarization of Failing Human Ventricles. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 667-676.	4.8	27
97	Using skin sympathetic nerve activity to estimate stellate ganglion nerve activity in dogs. Heart Rhythm, 2015, 12, 1324-1332.	0.7	59
98	Subcutaneous nerve activity is more accurate than heart rate variability in estimating cardiac sympathetic tone in ambulatory dogs with myocardial infarction. Heart Rhythm, 2015, 12, 1619-1627.	0.7	23
99	Small-Conductance Calcium-Activated Potassium Current Is Activated During Hypokalemia and Masks Short-Term Cardiac Memory Induced by Ventricular Pacing. Circulation, 2015, 132, 1377-1386.	1.6	34
100	Subcutaneous nerve activity and spontaneous ventricular arrhythmias in ambulatory dogs. Heart Rhythm, 2015, 12, 612-620.	0.7	38
101	Role of Sarcoplasmic Reticulum Calcium in Development of Secondary Calcium Rise and Early Afterdepolarizations in Long QT Syndrome Rabbit Model. PLoS ONE, 2015, 10, e0123868.	2.5	15
102	Neural Activity and Atrial Tachyarrhythmias. , 2014, , 399-407.		1
103	Vulnerability during short-term memory induced response in canine ventricle. Bio-Medical Materials and Engineering, 2014, 24, 893-899.	0.6	4
104	Pathogenesis of Arrhythmias in a Model of CKD. Journal of the American Society of Nephrology: JASN, 2014, 25, 2812-2821.	6.1	34
105	Hypokalemia promotes late phase 3 early afterdepolarization and recurrent ventricular fibrillation during isoproterenol infusion in Langendorff perfused rabbit ventricles. Heart Rhythm, 2014, 11, 697-706.	0.7	19
106	Myocardial repolarization dispersion and autonomic nerve activity in a canine experimental acute myocardial infarction model. Heart Rhythm, 2014, 11, 110-118.	0.7	29
107	Carvedilol analog modulates both basal and stimulated sinoatrial node automaticity. Heart and Vessels, 2014, 29, 396-403.	1.2	4
108	Role of the Autonomic Nervous System in Atrial Fibrillation. Circulation Research, 2014, 114, 1500-1515.	4.5	578

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109	Effects of carvedilol on cardiac autonomic nerve activities during sinus rhythm and atrial fibrillation in ambulatory dogs. <i>Europace</i> , 2014, 16, 1083-1091.	1.7	3
110	Sinus Node Dysfunction and Ca ²⁺ Clock Malfunction in Heart Failure and Diabetes. <i>Japanese Journal of Electrocardiology</i> , 2014, 34, 53-60.	0.0	0
111	Moderate Hypothermia (33 °C) Decreases the Susceptibility to Pacing-Induced Ventricular Fibrillation Compared with Severe Hypothermia (30 °C) by Attenuating Spatially Discordant Alternans in Isolated Rabbit Hearts. <i>Acta Cardiologica Sinica</i> , 2014, 30, 455-65.	0.2	7
112	Proarrhythmic effect of blocking the small conductance calcium activated potassium channel in isolated canine left atrium. <i>Heart Rhythm</i> , 2013, 10, 891-898.	0.7	73
113	Apamin-Sensitive Calcium-Activated Potassium Currents in Rabbit Ventricles with Chronic Myocardial Infarction. <i>Journal of Cardiovascular Electrophysiology</i> , 2013, 24, 1144-1153.	1.7	35
114	Apamin induces early afterdepolarizations and torsades de pointes ventricular arrhythmia from failing rabbit ventricles exhibiting secondary rises in intracellular calcium. <i>Heart Rhythm</i> , 2013, 10, 1516-1524.	0.7	67
115	Carvedilol analogue inhibits triggered activities evoked by both early and delayed afterdepolarizations. <i>Heart Rhythm</i> , 2013, 10, 101-107.	0.7	19
116	Low-level vagus nerve stimulation upregulates small conductance calcium-activated potassium channels in the stellate ganglion. <i>Heart Rhythm</i> , 2013, 10, 910-915.	0.7	53
117	Apamin-Sensitive Potassium Current Modulates Action Potential Duration Restitution and Arrhythmogenesis of Failing Rabbit Ventricles. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 410-418.	4.8	57
118	Ionic Mechanisms Underlying the Effects of Vasoactive Intestinal Polypeptide on Canine Atrial Myocardium. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 976-983.	4.8	12
119	Chronic Amiodarone Therapy Impairs the Function of the Superior Sinoatrial Node in Patients With Atrial Fibrillation. <i>Circulation Journal</i> , 2013, 77, 2255-2263.	1.6	10
120	Amiodarone Inhibits Apamin-Sensitive Potassium Currents. <i>PLoS ONE</i> , 2013, 8, e70450.	2.5	28
121	Nerve Sprouting, Defibrillation and Calcium Waves. , 2013, , 219-232.		0
122	Curve-Fitting the Intracellular Calcium Dynamics. <i>Acta Cardiologica Sinica</i> , 2013, 29, 339-40.	0.2	0
123	Neural Control of Ventricular Rate in Ambulatory Dogs With Pacing-Induced Sustained Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012, 5, 571-580.	4.8	11
124	Neural mechanisms of atrial fibrillation. <i>Current Opinion in Cardiology</i> , 2012, 27, 24-28.	1.8	67
125	Neural mechanisms of atrial arrhythmias. <i>Nature Reviews Cardiology</i> , 2012, 9, 30-39.	13.7	145
126	Selective Sinoatrial Node Optical Mapping and the Mechanism of Sinus Rate Acceleration. <i>Circulation Journal</i> , 2012, 76, 309-316.	1.6	12

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127	Triggered Firing and Atrial Fibrillation in Transgenic Mice With Selective Atrial Fibrosis Induced by Overexpression of TGF- β 1. <i>Circulation Journal</i> , 2012, 76, 1354-1362.	1.6	51
128	Ryanodine receptor inhibition potentiates the activity of Na channel blockers against spontaneous calcium elevations and delayed afterdepolarizations in Langendorff-perfused rabbit ventricles. <i>Heart Rhythm</i> , 2012, 9, 1125-1132.	0.7	16
129	Autonomic nerve activity and the short-term variability of the Tpeak-Tend interval in dogs with pacing-induced heart failure. <i>Heart Rhythm</i> , 2012, 9, 2044-2050.	0.7	21
130	Acute myocardial infarction induces bilateral stellate ganglia neural remodeling in rabbits. <i>Cardiovascular Pathology</i> , 2012, 21, 143-148.	1.6	41
131	Electroanatomic Remodeling of the Left Stellate Ganglion After Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2012, 59, 954-961.	2.8	119
132	Alternans of diastolic intracellular calcium elevation as the mechanism of bidirectional ventricular tachycardia in a rabbit model of Andersen-Tawil syndrome. <i>Heart Rhythm</i> , 2012, 9, 626-627.	0.7	11
133	Imaging Arrhythmogenic Calcium Signaling in Intact Hearts. <i>Pediatric Cardiology</i> , 2012, 33, 968-974.	1.3	5
134	Spontaneous Atrial Fibrillation Initiated by Tyramine in Canine Atria with Increased Sympathetic Nerve Sprouting. <i>Journal of Cardiovascular Electrophysiology</i> , 2012, 23, 415-422.	1.7	11
135	Heart Failure Decreases Nerve Activity in the Right Atrial Ganglionated Plexus. <i>Journal of Cardiovascular Electrophysiology</i> , 2012, 23, 404-412.	1.7	22
136	Intracellular Calcium Dynamics, Shortened Action Potential Duration, and Late-Phase 3 Early Afterdepolarization in Langendorff-Perfused Rabbit Ventricles. <i>Journal of Cardiovascular Electrophysiology</i> , 2012, 23, 1364-1371.	1.7	20
137	Patterns of baseline autonomic nerve activity and the development of pacing-induced sustained atrial fibrillation. <i>Heart Rhythm</i> , 2011, 8, 583-589.	0.7	57
138	The Role of the Calcium and the Voltage Clocks in Sinoatrial Node Dysfunction. <i>Yonsei Medical Journal</i> , 2011, 52, 211.	2.2	22
139	Selective sinoatrial node optical mapping to investigate the mechanism of sinus rate acceleration. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
140	Short-Duration Therapeutic Hypothermia Causes Prompt Connexin43 Gap Junction Remodeling in Isolated Rabbit Hearts. <i>Circulation Journal</i> , 2011, 75, 1706-1716.	1.6	11
141	Intracellular Calcium and the Mechanism of Anodal Supernormal Excitability in Langendorff Perfused Rabbit Ventricles. <i>Circulation Journal</i> , 2011, 75, 834-843.	1.6	14
142	Delayed Afterdepolarization in Intact Canine Sinoatrial Node as a Novel Mechanism for Atrial Arrhythmia. <i>Journal of Cardiovascular Electrophysiology</i> , 2011, 22, 448-454.	1.7	11
143	Pretreatment of BAPTA-AM Suppresses the Genesis of Repetitive Endocardial Focal Discharges and Pacing-Induced Ventricular Arrhythmia During Global Ischemia. <i>Journal of Cardiovascular Electrophysiology</i> , 2011, 22, 1154-1162.	1.7	5
144	Continuous Low-Level Vagus Nerve Stimulation Reduces Stellate Ganglion Nerve Activity and Paroxysmal Atrial Tachyarrhythmias in Ambulatory Canines. <i>Circulation</i> , 2011, 123, 2204-2212.	1.6	202

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145	Genesis of Phase 3 Early Afterdepolarizations and Triggered Activity in Acquired Long-QT Syndrome. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2011, 4, 103-111.	4.8	86
146	Small-Conductance Calcium-Activated Potassium Channel and Recurrent Ventricular Fibrillation in Failing Rabbit Ventricles. <i>Circulation Research</i> , 2011, 108, 971-979.	4.5	149
147	Short-term memory and electrical restitution in the canine transmural ventricle. <i>Physiological Measurement</i> , 2011, 32, 207-222.	2.1	7
148	FKBP12 Is a Critical Regulator of the Heart Rhythm and the Cardiac Voltage-Gated Sodium Current in Mice. <i>Circulation Research</i> , 2011, 108, 1042-1052.	4.5	57
149	Abnormal Response of Superior Sinoatrial Node to Sympathetic Stimulation Is a Characteristic Finding in Patients With Atrial Fibrillation and Symptomatic Bradycardia. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2011, 4, 799-807.	4.8	31
150	Restrictive loss of plakoglobin in cardiomyocytes leads to arrhythmogenic cardiomyopathy. <i>Human Molecular Genetics</i> , 2011, 20, 4582-4596.	2.9	92
151	rhVEGF ₁₆₅ delivered in a porous β -tricalcium phosphate scaffold accelerates bridging of critical-sized defects in rabbit radii. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 92A, 626-640.	4.0	14
152	Intrinsic Cardiac Nerve Activity and Paroxysmal Atrial Tachyarrhythmia in Ambulatory Dogs. <i>Circulation</i> , 2010, 121, 2615-2623.	1.6	217
153	The Initiation of the Heart Beat. <i>Circulation Journal</i> , 2010, 74, 221-225.	1.6	41
154	Synergistic Dual Automaticity in Sinoatrial Node Cell and Tissue Models. <i>Circulation Journal</i> , 2010, 74, 2079-2088.	1.6	9
155	Mapping Cardiac Pacemaker Circuits. <i>Circulation Research</i> , 2010, 106, 255-271.	4.5	49
156	Diastolic Intracellular Calcium-Membrane Voltage Coupling Gain and Postshock Arrhythmias. <i>Circulation Research</i> , 2010, 106, 399-408.	4.5	78
157	Arrhythmogenic Foci and the Mechanisms of Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2010, 3, 7-9.	4.8	6
158	Ca ²⁺ clock malfunction in a canine model of pacing-induced heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H1805-H1811.	3.2	18
159	Tachybradycardia in the isolated canine right atrium induced by chronic sympathetic stimulation and pacemaker current inhibition. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H634-H642.	3.2	15
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