Peng-sheng Chen

List of Publications by Citations

230 papers	13,364 citations	62 h-index	111 g-index
255 ext. papers	15,601 ext. citations	6.9 avg, IF	5.84 L-index

#	Paper	IF	Citations
230	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
229	Role of the autonomic nervous system in atrial fibrillation: pathophysiology and therapy. *Circulation Research*, **2014**, 114, 1500-15	15.7	389
228	Relationship between regional cardiac hyperinnervation and ventricular arrhythmia. *Circulation*, **2000**, 101, 1960-9	16.7	353
227	From pulsus to pulseless: the saga of cardiac alternans. *Circulation Research*, **2006**, 98, 1244-53	15.7	349
226	Nerve sprouting and sudden cardiac death. *Circulation Research*, **2000**, 86, 816-21	15.7	344
225	Mechanisms of discordant alternans and induction of reentry in simulated cardiac tissue. *Circulation* , **2000**, 102, 1664-70	16.7	316
224	A rabbit ventricular action potential model replicating cardiac dynamics at rapid heart rates. *Biophysical Journal*, **2008**, 94, 392-410	2.9	313
223	Vein of marshall cannulation for the analysis of electrical activity in patients with focal atrial fibrillation. *Circulation*, **2000**, 101, 1503-5	16.7	271
222	Chaos and the transition to ventricular fibrillation: a new approach to antiarrhythmic drug evaluation. *Circulation*, **1999**, 99, 2819-26	16.7	257
221	Mechanisms of cardiac nerve sprouting after myocardial infarction in dogs. *Circulation Research*, **2004**, 95, 76-83	15.7	254
220	The dynamics of cardiac fibrillation. *Circulation*, **2005**, 112, 1232-40	16.7	253
219	Autonomic innervation and segmental muscular disconnections at the human pulmonary vein-atrial junction: implications for catheter ablation of atrial-pulmonary vein junction. *Journal of the American College of Cardiology*, **2006**, 48, 132-43	15.1	245
218	Early afterdepolarizations and cardiac arrhythmias. *Heart Rhythm*, **2010**, 7, 1891-9	6.7	233
217	Neural mechanisms of paroxysmal atrial fibrillation and paroxysmal atrial tachycardia in ambulatory canines. *Circulation*, **2008**, 118, 916-25	16.7	232
216	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
215	Spatiotemporal heterogeneity in the induction of ventricular fibrillation by rapid pacing: importance of cardiac restitution properties. *Circulation Research*, **1999**, 84, 1318-31	15.7	196
214	Ventricular fibrillation: how do we stop the waves from breaking?. *Circulation Research*, **2000**, 87, 1103-7	15.7	187

213	Left stellate ganglion and vagal nerve activity and cardiac arrhythmias in ambulatory dogs with pacing-induced congestive heart failure. *Journal of the American College of Cardiology*, **2007**, 50, 335-43	15.1	182
212	Intrinsic cardiac nerve activity and paroxysmal atrial tachyarrhythmia in ambulatory dogs. *Circulation*, **2010**, 121, 2615-23	16.7	176
211	The ligament of Marshall: a structural analysis in human hearts with implications for atrial arrhythmias. *Journal of the American College of Cardiology*, **2000**, 36, 1324-7	15.1	167
210	Autonomic nerve activity and atrial fibrillation. *Heart Rhythm*, **2007**, 4, S61-4	6.7	166
209	Two types of ventricular fibrillation in isolated rabbit hearts: importance of excitability and action potential duration restitution. *Circulation*, **2002**, 106, 1859-66	16.7	160
208	Continuous low-level vagus nerve stimulation reduces stellate ganglion nerve activity and paroxysmal atrial tachyarrhythmias in ambulatory canines. *Circulation*, **2011**, 123, 2204-12	16.7	154
207	Nerve sprouting and sympathetic hyperinnervation in a canine model of atrial fibrillation produced by prolonged right atrial pacing. *Circulation*, **2001**, 103, 22-5	16.7	151
206	Spontaneous stellate ganglion nerve activity and ventricular arrhythmia in a canine model of sudden death. *Heart Rhythm*, **2008**, 5, 131-9	6.7	149
205	Pulmonary veins and ligament of Marshall as sources of rapid activations in a canine model of sustained atrial fibrillation. *Circulation*, **2001**, 103, 1157-63	16.7	149
204	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
203	Characteristics of wave fronts during ventricular fibrillation in human hearts with dilated cardiomyopathy: role of increased fibrosis in the generation of reentry. *Journal of the American College of Cardiology*, **1998**, 32, 187-96	15.1	147
202	Clinical neurocardiology defining the value of neuroscience-based cardiovascular therapeutics. *Journal of Physiology*, **2016**, 594, 3911-54	3.9	131
201	Role of papillary muscle in the generation and maintenance of reentry during ventricular tachycardia and fibrillation in isolated swine right ventricle. *Circulation*, **1999**, 100, 1450-9	16.7	130
200	Relation between ligament of Marshall and adrenergic atrial tachyarrhythmia. *Circulation*, **1999**, 100, 876-83	16.7	129
199	Small-conductance calcium-activated potassium channel and recurrent ventricular fibrillation in failing rabbit ventricles. *Circulation Research*, **2011**, 108, 971-9	15.7	126
198	Aging-related increase to inducible atrial fibrillation in the rat model. *Journal of Cardiovascular Electrophysiology*, **2002**, 13, 801-8	2.7	121
197	Intracellular calcium dynamics and anisotropic reentry in isolated canine pulmonary veins and left atrium. *Circulation*, **2005**, 111, 2889-97	16.7	120
196	Targeting LOXL2 for cardiac interstitial fibrosis and heart failure treatment. *Nature Communications* , **2016**, 7, 13710	17.4	118

195	Dynamics of intramural and transmural reentry during ventricular fibrillation in isolated swine ventricles. *Circulation Research*, **2001**, 88, 839-48	15.7	113
194	Altered atrial electrical restitution and heterogeneous sympathetic hyperinnervation in hearts with chronic left ventricular myocardial infarction: implications for atrial fibrillation. *Circulation*, **2003**, 108, 360-6	16.7	110
193	Neural mechanisms of atrial arrhythmias. *Nature Reviews Cardiology*, **2011**, 9, 30-9	14.8	109
192	Histopathological substrate for chronic atrial fibrillation in humans. *Heart Rhythm*, **2009**, 6, 454-60	6.7	104
191	A tale of two fibrillations. *Circulation*, **2003**, 108, 2298-303	16.7	93
190	Electroanatomic remodeling of the left stellate ganglion after myocardial infarction. *Journal of the American College of Cardiology*, **2012**, 59, 954-61	15.1	92
189	Idiopathic paroxysmal atrial fibrillation induced by a focal discharge mechanism in the left superior pulmonary vein: possible roles of the ligament of Marshall. *Journal of Cardiovascular Electrophysiology*, **1999**, 10, 636-48	2.7	92
188	Autonomic nervous system activity measured directly and QT interval variability in normal and pacing-induced tachycardia heart failure dogs. *Journal of the American College of Cardiology*, **2009**, 54, 840-50	15.1	85
187	Correlation between anatomy and electrical activation in canine pulmonary veins. *Circulation*, **2003**, 107, 1550-5	16.7	83
186	Intracellular calcium dynamics and acceleration of sinus rhythm by beta-adrenergic stimulation. *Circulation*, **2009**, 119, 788-96	16.7	81
185	Power spectral analysis of heart rate variability and autonomic nervous system activity measured directly in healthy dogs and dogs with tachycardia-induced heart failure. *Heart Rhythm*, **2009**, 6, 546-52	6.7	81
184	Reentrant wave fronts in WiggersRstage II ventricular fibrillation. Characteristics and mechanisms of termination and spontaneous regeneration. *Circulation Research*, **1996**, 78, 660-75	15.7	79
183	Attachment of meandering reentrant wave fronts to anatomic obstacles in the atrium. Role of the obstacle size. *Circulation Research*, **1997**, 81, 753-64	15.7	77
182	Nonreentrant focal activations in pulmonary veins in canine model of sustained atrial fibrillation. *American Journal of Physiology - Heart and Circulatory Physiology*, **2002**, 283, H1244-52	5.2	73
181	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
180	Diastolic intracellular calcium-membrane voltage coupling gain and postshock arrhythmias: role of purkinje fibers and triggered activity. *Circulation Research*, **2010**, 106, 399-408	15.7	72
179	Modulation of QT interval by cardiac sympathetic nerve sprouting and the mechanisms of ventricular arrhythmia in a canine model of sudden cardiac death. *Journal of Cardiovascular Electrophysiology*, **2001**, 12, 1068-73	2.7	71
178	Effects of diacetyl monoxime and cytochalasin D on ventricular fibrillation in swine right ventricles. *American Journal of Physiology - Heart and Circulatory Physiology*, **2001**, 280, H2689-96	5.2	70

177	Sympathetic nerve fibers in human cervical and thoracic vagus nerves. *Heart Rhythm*, **2014**, 11, 1411-7	6.7	66
176	Role of the posterior papillary muscle and purkinje potentials in the mechanism of ventricular fibrillation in open chest dogs and Swine: effects of catheter ablation. *Journal of Cardiovascular Electrophysiology*, **2006**, 17, 777-83	2.7	66
175	Long-term subthreshold electrical stimulation of the left stellate ganglion and a canine model of sudden cardiac death. *Journal of the American College of Cardiology*, **2004**, 43, 858-64	15.1	66
174	Heterogeneous upregulation of apamin-sensitive potassium currents in failing human ventricles. *Journal of the American Heart Association*, **2013**, 2, e004713	6	65
173	Spatial distribution of phase singularities in ventricular fibrillation. *Circulation*, **2003**, 108, 354-9	16.7	64
172	Simultaneous noninvasive recording of skin sympathetic nerve activity and electrocardiogram. *Heart Rhythm*, **2017**, 14, 25-33	6.7	63
171	High resolution mapping of the pulmonary vein and the vein of Marshall during induced atrial fibrillation and atrial tachycardia in a canine model of pacing-induced congestive heart failure. *Journal of the American College of Cardiology*, **2003**, 42, 348-60	15.1	62
170	The mechanisms of atrial fibrillation. *Journal of Cardiovascular Electrophysiology*, **2006**, 17 Suppl 3, S2-7	2.7	61
169	Spontaneous atrial fibrillation initiated by triggered activity near the pulmonary veins in aged rats subjected to glycolytic inhibition. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 292, H639-48	5.2	60
168	Circadian variations of stellate ganglion nerve activity in ambulatory dogs. *Heart Rhythm*, **2006**, 3, 78-85	6.7	60
167	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
166	Apamin induces early afterdepolarizations and torsades de pointes ventricular arrhythmia from failing rabbit ventricles exhibiting secondary rises in intracellular calcium. *Heart Rhythm*, **2013**, 10, 1516-24	6.7	57
165	Proarrhythmic effect of blocking the small conductance calcium activated potassium channel in isolated canine left atrium. *Heart Rhythm*, **2013**, 10, 891-8	6.7	56
164	Catheter ablation of ventricular fibrillation in rabbit ventricles treated with beta-blockers. *Circulation*, **2003**, 108, 3149-56	16.7	55
163	Mother rotors and the mechanisms of D600-induced type 2 ventricular fibrillation. *Circulation*, **2004**, 110, 2110-8	16.7	54
162	Mechanism of spontaneous termination of functional reentry in isolated canine right atrium. Evidence for the presence of an excitable but nonexcited core. *Circulation*, **1996**, 94, 1962-73	16.7	53
161	Perspective: a dynamics-based classification of ventricular arrhythmias. *Journal of Molecular and Cellular Cardiology*, **2015**, 82, 136-52	5.8	51
160	Apamin-sensitive potassium current modulates action potential duration restitution and arrhythmogenesis of failing rabbit ventricles. *Circulation: Arrhythmia and Electrophysiology*, **2013**, 6, 410-8	6.4	51

159	Thoracic veins and the mechanisms of non-paroxysmal atrial fibrillation. *Cardiovascular Research*, **2002**, 54, 295-301	9.9	50
158	Frequency analysis of ventricular fibrillation in Swine ventricles. *Circulation Research*, **2002**, 90, 213-22	15.7	50
157	Mechanisms of recurrent ventricular fibrillation in a rabbit model of pacing-induced heart failure. *Heart Rhythm*, **2009**, 6, 784-92	6.7	48
156	Patterns of baseline autonomic nerve activity and the development of pacing-induced sustained atrial fibrillation. *Heart Rhythm*, **2011**, 8, 583-9	6.7	47
155	Electrical connections between left superior pulmonary vein, left atrium, and ligament of Marshall: implications for mechanisms of atrial fibrillation. *American Journal of Physiology - Heart and Circulatory Physiology*, **2006**, 290, H312-22	5.2	47
154	Low-level vagus nerve stimulation upregulates small conductance calcium-activated potassium channels in the stellate ganglion. *Heart Rhythm*, **2013**, 10, 910-5	6.7	46
153	New observations on atrial fibrillation before and after surgical treatment in patients with the Wolff-Parkinson-White syndrome. *Journal of the American College of Cardiology*, **1992**, 19, 974-81	15.1	46
152	Cryoablation of stellate ganglia and atrial arrhythmia in ambulatory dogs with pacing-induced heart failure. *Heart Rhythm*, **2009**, 6, 1772-9	6.7	45
151	The zone of vulnerability to T wave shocks in humans. *Journal of Cardiovascular Electrophysiology*, **1997**, 8, 145-54	2.7	43
150	Vein of Marshall activity during sustained atrial fibrillation. *Journal of Cardiovascular Electrophysiology*, **2006**, 17, 839-46	2.7	43
149	Intracellular calcium dynamics and acetylcholine-induced triggered activity in the pulmonary veins of dogs with pacing-induced heart failure. *Heart Rhythm*, **2008**, 5, 1170-7	6.7	42
148	Comparative reproducibility of defibrillation threshold and upper limit of vulnerability. *PACE - Pacing and Clinical Electrophysiology*, **1996**, 19, 2103-11	1.6	40
147	Interaction between strong electrical stimulation and reentrant wavefronts in canine ventricular fibrillation. *Circulation Research*, **1995**, 77, 407-16	15.7	40
146	Skin sympathetic nerve activity precedes the onset and termination of paroxysmal atrial tachycardia and fibrillation. *Heart Rhythm*, **2017**, 14, 964-971	6.7	38
145	Using skin sympathetic nerve activity to estimate stellate ganglion nerve activity in dogs. *Heart Rhythm*, **2015**, 12, 1324-32	6.7	37
144	Intermittent left cervical vagal nerve stimulation damages the stellate ganglia and reduces the ventricular rate during sustained atrial fibrillation in ambulatory dogs. *Heart Rhythm*, **2016**, 13, 771-80	6.7	37
143	Estimating sympathetic tone by recording subcutaneous nerve activity in ambulatory dogs. *Journal of Cardiovascular Electrophysiology*, **2015**, 26, 70-8	2.7	37
142	Canine model of paroxysmal atrial fibrillation and paroxysmal atrial tachycardia. *American Journal of Physiology - Heart and Circulatory Physiology*, **2005**, 289, H1851-7	5.2	36

141	Remodelling of action potential and intracellular calcium cycling dynamics during subacute myocardial infarction promotes ventricular arrhythmias in Langendorff-perfused rabbit hearts. *Journal of Physiology*, **2007**, 580, 895-906	3.9	34
140	Effects of renal sympathetic denervation on the stellate ganglion and brain stem in dogs. *Heart Rhythm*, **2017**, 14, 255-262	6.7	32
139	Increased vulnerability to inducible atrial fibrillation caused by partial cellular uncoupling with heptanol. *American Journal of Physiology - Heart and Circulatory Physiology*, **2002**, 283, H1116-22	5.2	32
138	New concepts in atrial fibrillation: neural mechanisms and calcium dynamics. *Cardiology Clinics*, **2009**, 27, 35-43, viii	2.5	31
137	Nerve sprouting induced by radiofrequency catheter ablation in dogs. *Heart Rhythm*, **2004**, 1, 712-7	6.7	31
136	SK channels and ventricular arrhythmias in heart failure. *Trends in Cardiovascular Medicine*, **2015**, 25, 508-14	6.9	30
135	Subcutaneous nerve activity and spontaneous ventricular arrhythmias in ambulatory dogs. *Heart Rhythm*, **2015**, 12, 612-620	6.7	30
134	Sympathetic nerve fibers and ganglia in canine cervical vagus nerves: localization and quantitation. *Heart Rhythm*, **2013**, 10, 585-91	6.7	30
133	Apamin-sensitive calcium-activated potassium currents in rabbit ventricles with chronic myocardial infarction. *Journal of Cardiovascular Electrophysiology*, **2013**, 24, 1144-53	2.7	29
132	The initiation of the heart beat. *Circulation Journal*, **2010**, 74, 221-5	2.9	29
131	Coexistence of two types of ventricular fibrillation during acute regional ischemia in rabbit ventricle. *Journal of Cardiovascular Electrophysiology*, **2004**, 15, 1433-40	2.7	28
130	Patterns of wave break during ventricular fibrillation in isolated swine right ventricle. *American Journal of Physiology - Heart and Circulatory Physiology*, **2001**, 281, H253-65	5.2	27
129	Ganglionated plexi as neuromodulation targets for atrial fibrillation. *Journal of Cardiovascular Electrophysiology*, **2017**, 28, 1485-1491	2.7	26
128	Spirals, chaos, and new mechanisms of wave propagation. *PACE - Pacing and Clinical Electrophysiology*, **1997**, 20, 414-21	1.6	26
127	Amiodarone inhibits apamin-sensitive potassium currents. *PLoS ONE*, **2013**, 8, e70450	3.7	26
126	Small-Conductance Calcium-Activated Potassium Current Is Activated During Hypokalemia and Masks Short-Term Cardiac Memory Induced by Ventricular Pacing. *Circulation*, **2015**, 132, 1377-86	16.7	25
125	Pathogenesis of arrhythmias in a model of CKD. *Journal of the American Society of Nephrology: JASN* , **2014**, 25, 2812-21	12.7	25
124	Ventricular fibrillation during no-flow global ischemia in isolated rabbit hearts. *Journal of Cardiovascular Electrophysiology*, **2006**, 17, 1112-20	2.7	25

123	Induction of atrial fibrillation and nerve sprouting by prolonged left atrial pacing in dogs. *PACE - Pacing and Clinical Electrophysiology*, **2003**, 26, 2247-52	1.6	25
122	Small conductance calcium-activated potassium current is important in transmural repolarization of failing human ventricles. *Circulation: Arrhythmia and Electrophysiology*, **2015**, 8, 667-76	6.4	24
121	Effects of procainamide on electrical activity in thoracic veins and atria in canine model of sustained atrial fibrillation. *American Journal of Physiology - Heart and Circulatory Physiology*, **2004**, 286, H1936-45	5.2	24
120	Myocardial repolarization dispersion and autonomic nerve activity in a canine experimental acute myocardial infarction model. *Heart Rhythm*, **2014**, 11, 110-8	6.7	23
119	Crescendo Skin Sympathetic Nerve Activity and Ventricular Arrhythmia. *Journal of the American College of Cardiology*, **2017**, 70, 3201-3202	15.1	22
118	Abnormal response of superior sinoatrial node to sympathetic stimulation is a characteristic finding in patients with atrial fibrillation and symptomatic bradycardia. *Circulation: Arrhythmia and Electrophysiology*, **2011**, 4, 799-807	6.4	22
117	Apamin does not inhibit human cardiac Na+ current, L-type Ca2+ current or other major K+ currents. *PLoS ONE*, **2014**, 9, e96691	3.7	21
116	Advancing Research on the Complex Interrelations Between Atrial Fibrillation and Heart Failure: A Report From a US National Heart, Lung, and Blood Institute Virtual Workshop. *Circulation*, **2020**, 141, 1915-1926	16.7	20
115	Ectopic atrial arrhythmias arising from canine thoracic veins during in vivo stellate ganglia stimulation. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 295, H691-8	5.2	20
114	Demonstration of electrical and anatomic connections between Marshall bundles and left atrium in dogs: implications on the generation of P waves on surface electrocardiogram. *Journal of Cardiovascular Electrophysiology*, **2002**, 13, 1283-91	2.7	20
113	Douglas P. Zipes Lecture. Neural mechanisms of atrial fibrillation. *Heart Rhythm*, **2006**, 3, 1373-7	6.7	19
112	Skin sympathetic nerve activity and the temporal clustering of cardiac arrhythmias. *JCI Insight*, **2019** , 4,	9.9	19
111	Left cervical vagal nerve stimulation reduces skin sympathetic nerve activity in patients with drug resistant epilepsy. *Heart Rhythm*, **2017**, 14, 1771-1778	6.7	18
110	Colocalization of tenascin and sympathetic nerves in a canine model of nerve sprouting and sudden cardiac death. *Journal of Cardiovascular Electrophysiology*, **2000**, 11, 1345-51	2.7	18
109	Arrhythmogenic calmodulin mutations impede activation of small-conductance calcium-activated potassium current. *Heart Rhythm*, **2016**, 13, 1716-23	6.7	18
108	Phospholamban is concentrated in the nuclear envelope of cardiomyocytes and involved in perinuclear/nuclear calcium handling. *Journal of Molecular and Cellular Cardiology*, **2016**, 100, 1-8	5.8	18
107	Heart failure decreases nerve activity in the right atrial ganglionated plexus. *Journal of Cardiovascular Electrophysiology*, **2012**, 23, 404-12	2.7	17
106	Short biphasic pulses from 90 microfarad capacitors lower defibrillation threshold. *PACE - Pacing and Clinical Electrophysiology*, **1996**, 19, 1053-60	1.6	17

105	Ca2+ clock malfunction in a canine model of pacing-induced heart failure. *American Journal of Physiology - Heart and Circulatory Physiology*, **2010**, 299, H1805-11	5.2	16
104	Upper limit of vulnerability predicts chronic defibrillation threshold for transvenous implantable defibrillators. *Journal of Cardiovascular Electrophysiology*, **1997**, 8, 241-8	2.7	16
103	Simultaneous noninvasive recording of electrocardiogram and skin sympathetic nerve activity (neuECG). *Nature Protocols*, **2020**, 15, 1853-1877	18.8	16
102	Ondansetron blocks wild-type and p.F503L variant small-conductance Ca-activated K channels. *American Journal of Physiology - Heart and Circulatory Physiology*, **2018**, 315, H375-H388	5.2	15
101	Effects of anesthetic and sedative agents on sympathetic nerve activity. *Heart Rhythm*, **2019**, 16, 1875-1882	6.7	15
100	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, 1619-27	6.7	14
99	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, 126-35	5.8	14
98	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	6.7	14
97	Early recurrence of ventricular fibrillation after successful defibrillation during prolonged global ischemia in isolated rabbit hearts. *Journal of Cardiovascular Electrophysiology*, **2008**, 19, 203-10	2.7	14
96	Effects of the pacing site, procainamide, and lead configuration on the relationship between the upper limit of vulnerability and the defibrillation threshold. *PACE - Pacing and Clinical Electrophysiology*, **1995**, 18, 1279-84	1.6	14
95	Utilization rates of implantable cardioverter-defibrillators for primary prevention of sudden cardiac death: a 2012 calculation for a midwestern health referral region. *Heart Rhythm*, **2014**, 11, 849-55	6.7	13
94	Thoracic vein ablation terminates chronic atrial fibrillation in dogs. *American Journal of Physiology - Heart and Circulatory Physiology*, **2004**, 286, H2072-7	5.2	13
93	Sex-specific activation of SK current by isoproterenol facilitates action potential triangulation and arrhythmogenesis in rabbit ventricles. *Journal of Physiology*, **2018**, 596, 4299-4322	3.9	12
92	Simultaneous recordings of intrinsic cardiac nerve activity and skin sympathetic nerve activity from human patients during the postoperative period. *Heart Rhythm*, **2017**, 14, 1587-1593	6.7	12
91	Atrial fibrillation: focal activity, re-entry, or both?. *Heart Rhythm*, **2004**, 1, 117-20	6.7	12
90	Phospholamban regulates nuclear Ca stores and inositol 1,4,5-trisphosphate mediated nuclear Ca cycling in cardiomyocytes. *Journal of Molecular and Cellular Cardiology*, **2018**, 123, 185-197	5.8	12
89	Risk stratification for sudden cardiac death in North America - current perspectives. *Journal of Electrocardiology*, **2016**, 49, 817-823	1.4	11
88	Ganglionated plexi and ligament of Marshall ablation reduces atrial vulnerability and causes stellate ganglion remodeling in ambulatory dogs. *Heart Rhythm*, **2016**, 13, 2083-90	6.7	11

87	Cervical vagal nerve stimulation activates the stellate ganglion in ambulatory dogs. *Korean Circulation Journal*, **2015**, 45, 149-57	2.2	11
86	Spontaneous atrial fibrillation initiated by tyramine in canine atria with increased sympathetic nerve sprouting. *Journal of Cardiovascular Electrophysiology*, **2012**, 23, 415-22	2.7	11
85	Clinical characteristics and 12-month outcomes of patients with valvular and non-valvular atrial fibrillation in Kenya. *PLoS ONE*, **2017**, 12, e0185204	3.7	11
84	Concomitant SK current activation and sodium current inhibition cause J wave syndrome. *JCI Insight* , **2018**, 3,	9.9	11
83	Small-Conductance Calcium-Activated Potassium Current in Normal Rabbit Cardiac Purkinje Cells. *Journal of the American Heart Association*, **2017**, 6,	6	10
82	Intravenous xenogeneic transplantation of human adipose-derived stem cells improves left ventricular function and microvascular integrity in swine myocardial infarction model. *Catheterization and Cardiovascular Interventions*, **2015**, 86, E38-48	2.7	10
81	Delayed afterdepolarization in intact canine sinoatrial node as a novel mechanism for atrial arrhythmia. *Journal of Cardiovascular Electrophysiology*, **2011**, 22, 448-54	2.7	10
80	Cardiac neural remodeling and its role in arrhythmogenesis. *Heart Rhythm*, **2010**, 7, 1512-3	6.7	10
79	Neural control of ventricular rate in ambulatory dogs with pacing-induced sustained atrial fibrillation. *Circulation: Arrhythmia and Electrophysiology*, **2012**, 5, 571-80	6.4	10
78	Electric potentials from a persistent left superior vena cava draining into coronary sinus. *Journal of Cardiovascular Electrophysiology*, **1999**, 10, 1559	2.7	10
77	Small conductance calcium-activated potassium current and the mechanism of atrial arrhythmia in mice with dysfunctional melanocyte-like cells. *Heart Rhythm*, **2016**, 13, 1527-35	6.7	10
76	Characterization of skin sympathetic nerve activity in patients with cardiomyopathy and ventricular arrhythmia. *Heart Rhythm*, **2019**, 16, 1669-1675	6.7	9
75	Long-term intermittent high-amplitude subcutaneous nerve stimulation reduces sympathetic tone in ambulatory dogs. *Heart Rhythm*, **2018**, 15, 451-459	6.7	9
74	Subcutaneous nerve stimulation for rate control in ambulatory dogs with persistent atrial fibrillation. *Heart Rhythm*, **2019**, 16, 1383-1391	6.7	8
73	KCNN2 polymorphisms and cardiac tachyarrhythmias. *Medicine (United States)*, **2016**, 95, e4312	1.8	8
72	Subcutaneous nerve activity and mechanisms of sudden death in a rat model of chronic kidney disease. *Heart Rhythm*, **2016**, 13, 1105-1112	6.7	8
71	Autonomic nerve activity and blood pressure in ambulatory dogs. *Heart Rhythm*, **2014**, 11, 307-13	6.7	8
70	Validation and Utilization of a Clinical Next-Generation Sequencing Panel for Selected Cardiovascular Disorders. *Frontiers in Cardiovascular Medicine*, **2017**, 4, 11	5.4	8

69	Transmembrane potential properties of atrial cells at different sites of a spiral wave reentry: cellular evidence for an excitable but nonexcited core. *PACE - Pacing and Clinical Electrophysiology*, **1998**, 21, 2360-5	1.6	8
68	Intracellular calcium dynamics at the core of endocardial stationary spiral waves in Langendorff-perfused rabbit hearts. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 295, H297-304	5.2	8
67	Preshock phase singularity and the outcome of ventricular defibrillation. *Heart Rhythm*, **2007**, 4, 927-34	6.7	8
66	Effects of stepwise denervation of the stellate ganglion: Novel insights from an acute canine study. *Heart Rhythm*, **2016**, 13, 1395-401	6.7	8
65	Recording sympathetic nerve activity from the skin. *Trends in Cardiovascular Medicine*, **2017**, 27, 463-472	6.9	7
64	Is the Atrial Neural Plexis a Therapeutic Target in Atrial Fibrillation?. *Methodist DeBakey Cardiovascular Journal*, **2015**, 11, 82-6	2.1	7
63	Function and dysfunction of human sinoatrial node. *Korean Circulation Journal*, **2015**, 45, 184-91	2.2	7
62	Prevalence of retrograde accessory pathway conduction during atrial fibrillation. *Journal of Cardiovascular Electrophysiology*, **1997**, 8, 377-87	2.7	7
61	Effects of Vagal Nerve Stimulation on Ganglionated Plexi Nerve Activity and Ventricular Rate in Ambulatory Dogs With Persistent Atrial Fibrillation. *JACC: Clinical Electrophysiology*, **2018**, 4, 1106-1114	4.6	6
60	P3-20. *Heart Rhythm*, **2006**, 3, S184	6.7	6
59	Initial experience with an active-fixation defibrillation electrode and the presence of nonphysiological sensing. *PACE - Pacing and Clinical Electrophysiology*, **2001**, 24, 1713-20	1.6	6
58	Evaluation of the Genetic Basis of Familial Aggregation of Pacemaker Implantation by a Large Next Generation Sequencing Panel. *PLoS ONE*, **2015**, 10, e0143588	3.7	6
57	Skin sympathetic nerve activity and ventricular rate control during atrial fibrillation. *Heart Rhythm*, **2020**, 17, 544-552	6.7	6
56	Complex Arrhythmia Syndrome in a Knock-In Mouse Model Carrier of the N98S Mutation. *Circulation*, **2020**, 142, 1937-1955	16.7	6
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