Peng-sheng Chen

List of Publications by Year in Descending Order

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	Research Opportunities in Autonomic Neural Mechanisms of Cardiopulmonary Regulation: A Report From the National Heart, Lung, and Blood Institute and the National Institutes of Health Office of the Director Workshop.. *JACC Basic To Translational Science*, **2022**, 7, 265-293	8.7	2
229	Why Is Only Type 1 Electrocardiogram Diagnostic of Brugada Syndrome? Mechanistic Insights From Computer Modeling.. *Circulation: Arrhythmia and Electrophysiology*, **2021**, CIRCEP121010365	6.4	1
228	The frequency spectrum of sympathetic nerve activity and arrhythmogenicity in ambulatory dogs. *Heart Rhythm*, **2021**, 18, 465-472	6.7	2
227	Inhibition of Small-Conductance, Ca-Activated K Current by Ondansetron. *Frontiers in Pharmacology* , **2021**, 12, 651267	5.6	1
226	Skin sympathetic nerve activity as a biomarker for neurologic recovery during therapeutic hypothermia for cardiac arrest. *Heart Rhythm*, **2021**, 18, 1162-1170	6.7	1
225	Sex-specific I activation in rabbit ventricles with drug-induced QT prolongation. *Heart Rhythm*, **2021** , 18, 88-97	6.7	3
224	Simultaneous activation of the small conductance calcium-activated potassium current by acetylcholine and inhibition of sodium current by ajmaline cause J-wave syndrome in Langendorff-perfused rabbit ventricles. *Heart Rhythm*, **2021**, 18, 98-108	6.7	2
223	Effects of subcutaneous nerve stimulation with blindly inserted electrodes on ventricular rate control in a canine model of persistent atrial fibrillation. *Heart Rhythm*, **2021**, 18, 261-270	6.7	1
222	Neural Mechanisms and Therapeutic Opportunities for Atrial Fibrillation. *Methodist DeBakey Cardiovascular Journal*, **2021**, 17, 43-47	2.1	2
221	The regulation of the small-conductance calcium-activated potassium current and the mechanisms of sex dimorphism in J wave syndrome. *Pflugers Archiv European Journal of Physiology*, **2021**, 473, 491-506	4.6	3
220	Calmodulinopathy in inherited arrhythmia syndromes. *Tzu Chi Medical Journal*, **2021**, 33, 339-344	1.1	
219	The transient outward potassium current plays a key role in spiral wave breakup in ventricular tissue. *American Journal of Physiology - Heart and Circulatory Physiology*, **2021**, 320, H826-H837	5.2	2
218	Recording Intrinsic Nerve Activity at the Sinoatrial Node in Normal Dogs With High-Density Mapping. *Circulation: Arrhythmia and Electrophysiology*, **2021**, 14, e008610	6.4	0
217	Skin sympathetic nerve activity as a biomarker of fitness. *Heart Rhythm*, **2021**, 18, 2169-2176	6.7	0
216	Paroxysmal atrial fibrillation prediction based on morphological variant P-wave analysis with wideband ECG and deep learning. *Computer Methods and Programs in Biomedicine*, **2021**, 211, 106396	6.9	1
215	Skin Sympathetic Nerve Activity and the Short-Term QT Interval Variability in Patients With Electrical Storm.. *Frontiers in Physiology*, **2021**, 12, 742844	4.6	1
214	Small-conductance Ca-activated K channels promote J-wave syndrome and phase 2 reentry. *Heart Rhythm*, **2020**, 17, 1582-1590	6.7	5

213	Skin sympathetic nerve activity in patients with obstructive sleep apnea. *Heart Rhythm*, **2020**, 17, 1936-1943	6.7	3
212	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
211	Cardiac resynchronization therapy modulates peripheral sympathetic activity. *Heart Rhythm*, **2020**, 17, 1139-1146	6.7	2
210	Left cardiac sympathetic denervation reduces skin sympathetic nerve activity in patients with long QT syndrome. *Heart Rhythm*, **2020**, 17, 1639-1645	6.7	2
209	Telethonin variants found in Brugada syndrome, J-wave pattern ECG, and ARVC reduce peak Na 1.5 currents in HEK-293 cells. *PACE - Pacing and Clinical Electrophysiology*, **2020**, 43, 838-846	1.6	3
208	Subcutaneous nerve stimulation reduces sympathetic nerve activity in ambulatory dogs with myocardial infarction. *Heart Rhythm*, **2020**, 17, 1167-1175	6.7	2
207	Skin sympathetic nerve activity as a biomarker for syncopal episodes during a tilt table test. *Heart Rhythm*, **2020**, 17, 804-812	6.7	2
206	Skin sympathetic nerve activity and ventricular rate control during atrial fibrillation. *Heart Rhythm*, **2020**, 17, 544-552	6.7	6
205	Complex Arrhythmia Syndrome in a Knock-In Mouse Model Carrier of the N98S Mutation. *Circulation*, **2020**, 142, 1937-1955	16.7	6
204	Effects of ondansetron on apamin-sensitive small conductance calcium-activated potassium currents in pacing-induced failing rabbit hearts. *Heart Rhythm*, **2020**, 17, 332-340	6.7	6
203	Simultaneous noninvasive recording of electrocardiogram and skin sympathetic nerve activity (neuECG). *Nature Protocols*, **2020**, 15, 1853-1877	18.8	16
202	Subcutaneous nerve stimulation for rate control in ambulatory dogs with persistent atrial fibrillation. *Heart Rhythm*, **2019**, 16, 1383-1391	6.7	8
201	Characterization of skin sympathetic nerve activity in patients with cardiomyopathy and ventricular arrhythmia. *Heart Rhythm*, **2019**, 16, 1669-1675	6.7	9
200	Effects of anesthetic and sedative agents on sympathetic nerve activity. *Heart Rhythm*, **2019**, 16, 1875-1882	6.7	15
199	Skin sympathetic nerve activity and the temporal clustering of cardiac arrhythmias. *JCI Insight*, **2019**, 4,	9.9	19
198	Antiarrhythmic and proarrhythmic effects of subcutaneous nerve stimulation in ambulatory dogs. *Heart Rhythm*, **2019**, 16, 1251-1260	6.7	6
197	Small-conductance calcium-activated potassium current modulates the ventricular escape rhythm in normal rabbit hearts. *Heart Rhythm*, **2019**, 16, 615-623	6.7	5
196	Atrial fibrillation and electrophysiology in transgenic mice with cardiac-restricted overexpression of FKBP12. *American Journal of Physiology - Heart and Circulatory Physiology*, **2019**, 316, H371-H379	5.2	3

195	Effects of Stellate Ganglion Cryoablation on Subcutaneous Nerve Activity and Atrial Tachyarrhythmias in a Canine Model of Pacing-Induced Heart Failure. *JACC: Clinical Electrophysiology*, **2018**, 4, 686-695	4.6	3
194	Antiarrhythmic effects of stimulating the left dorsal branch of the thoracic nerve in a canine model of paroxysmal atrial tachyarrhythmias. *Heart Rhythm*, **2018**, 15, 1242-1251	6.7	4
193	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
192	Long-term intermittent high-amplitude subcutaneous nerve stimulation reduces sympathetic tone in ambulatory dogs. *Heart Rhythm*, **2018**, 15, 451-459	6.7	9
191	Role of apamin-sensitive small conductance calcium-activated potassium currents in long-term cardiac memory in rabbits. *Heart Rhythm*, **2018**, 15, 761-769	6.7	5
190	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
189	Neural Activity and Atrial Tachyarrhythmias **2018**, 375-386		1
188	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
187	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
186	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
185	Concomitant SK current activation and sodium current inhibition cause J wave syndrome. *JCI Insight* , **2018**, 3,	9.9	11
184	Method for Detection and Quantification of Non-Invasive Skin Sympathetic Nerve Activity **2018**,		1
183	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
182	Role of Apamin-Sensitive Calcium-Activated Small-Conductance Potassium Currents on the Mechanisms of Ventricular Fibrillation in Pacing-Induced Failing Rabbit Hearts. *Circulation: Arrhythmia and Electrophysiology*, **2017**, 10, e004434	6.4	5
181	Recording sympathetic nerve activity from the skin. *Trends in Cardiovascular Medicine*, **2017**, 27, 463-472	6.9	7
180	Small-Conductance Calcium-Activated Potassium Current in Normal Rabbit Cardiac Purkinje Cells. *Journal of the American Heart Association*, **2017**, 6,	6	10
179	Skin sympathetic nerve activity precedes the onset and termination of paroxysmal atrial tachycardia and fibrillation. *Heart Rhythm*, **2017**, 14, 964-971	6.7	38
178	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

177	Ganglionated plexi as neuromodulation targets for atrial fibrillation. *Journal of Cardiovascular Electrophysiology*, **2017**, 28, 1485-1491	2.7	26
176	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
175	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
174	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
173	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
172	Effects of renal sympathetic denervation on the stellate ganglion and brain stem in dogs. *Heart Rhythm*, **2017**, 14, 255-262	6.7	32
171	Simultaneous noninvasive recording of skin sympathetic nerve activity and electrocardiogram. *Heart Rhythm*, **2017**, 14, 25-33	6.7	63
170	Crescendo Skin Sympathetic Nerve Activity and Ventricular Arrhythmia. *Journal of the American College of Cardiology*, **2017**, 70, 3201-3202	15.1	22
169	Validation and Utilization of a Clinical Next-Generation Sequencing Panel for Selected Cardiovascular Disorders. *Frontiers in Cardiovascular Medicine*, **2017**, 4, 11	5.4	8
168	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
167	Risk stratification for sudden cardiac death in North America - current perspectives. *Journal of Electrocardiology*, **2016**, 49, 817-823	1.4	11
166	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
165	Identification of subpopulations with distinct treatment benefit rate using the Bayesian tree. *Biometrical Journal*, **2016**, 58, 1357-1375	1.5	3
164	KCNN2 polymorphisms and cardiac tachyarrhythmias. *Medicine (United States)*, **2016**, 95, e4312	1.8	8
163	Clinical neurocardiology defining the value of neuroscience-based cardiovascular therapeutics. *Journal of Physiology*, **2016**, 594, 3911-54	3.9	131
162	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
161	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
160	Voltage-Induced Ca+ Release in Postganglionic Sympathetic Neurons in Adult Mice. *PLoS ONE*, **2016**, 11, e0148962	3.7	2

159	Targeting LOXL2 for cardiac interstitial fibrosis and heart failure treatment. *Nature Communications*, **2016**, 7, 13710	17.4	118
158	Effects of stepwise denervation of the stellate ganglion: Novel insights from an acute canine study. *Heart Rhythm*, **2016**, 13, 1395-401	6.7	8
157	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
156	Arrhythmogenic calmodulin mutations impede activation of small-conductance calcium-activated potassium current. *Heart Rhythm*, **2016**, 13, 1716-23	6.7	18
155	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
154	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
153	Using skin sympathetic nerve activity to estimate stellate ganglion nerve activity in dogs. *Heart Rhythm*, **2015**, 12, 1324-32	6.7	37
152	Perspective: a dynamics-based classification of ventricular arrhythmias. *Journal of Molecular and Cellular Cardiology*, **2015**, 82, 136-52	5.8	51
151	Is the Atrial Neural Plexis a Therapeutic Target in Atrial Fibrillation?. *Methodist DeBakey Cardiovascular Journal*, **2015**, 11, 82-6	2.1	7
150	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
149	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
148	SK channels and ventricular arrhythmias in heart failure. *Trends in Cardiovascular Medicine*, **2015**, 25, 508-14	6.9	30
147	Subcutaneous nerve activity and spontaneous ventricular arrhythmias in ambulatory dogs. *Heart Rhythm*, **2015**, 12, 612-620	6.7	30
146	Estimating sympathetic tone by recording subcutaneous nerve activity in ambulatory dogs. *Journal of Cardiovascular Electrophysiology*, **2015**, 26, 70-8	2.7	37
145	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
144	Cervical vagal nerve stimulation activates the stellate ganglion in ambulatory dogs. *Korean Circulation Journal*, **2015**, 45, 149-57	2.2	11
143	Function and dysfunction of human sinoatrial node. *Korean Circulation Journal*, **2015**, 45, 184-91	2.2	7
142	Genetic mutations in African patients with atrial fibrillation: Rationale and design of the Study of Genetics of Atrial Fibrillation in an African Population (SIGNAL). *American Heart Journal*, **2015**, 170, 455-64.e5	4.9	5

141	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
140	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
139	Role of the autonomic nervous system in atrial fibrillation: pathophysiology and therapy. *Circulation Research*, **2014**, 114, 1500-15	15.7	389
138	Autonomic nerve activity and blood pressure in ambulatory dogs. *Heart Rhythm*, **2014**, 11, 307-13	6.7	8
137	Effects of carvedilol on cardiac autonomic nerve activities during sinus rhythm and atrial fibrillation in ambulatory dogs. *Europace*, **2014**, 16, 1083-91	3.9	3
136	Reply to the editor-does the cervical vagus contain sympathetic fibers that act on the heart?. *Heart Rhythm*, **2014**, 11, e79-80	6.7	1
135	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
134	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
133	Pathogenesis of arrhythmias in a model of CKD. *Journal of the American Society of Nephrology: JASN* , **2014**, 25, 2812-21	12.7	25
132	Cross talk between renal and cardiac autonomic nerves: is this how renal denervation works?. *Journal of Cardiovascular Electrophysiology*, **2014**, 25, 1257-8	2.7	2
131	Sympathetic nerve fibers in human cervical and thoracic vagus nerves. *Heart Rhythm*, **2014**, 11, 1411-7	6.7	66
130	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
129	Myocardial repolarization dispersion and autonomic nerve activity in a canine experimental acute myocardial infarction model. *Heart Rhythm*, **2014**, 11, 110-8	6.7	23
128	State of the Journal 2014. *Heart Rhythm*, **2014**, 11, 1	6.7	5
127	Electrical Storm and Remodeling of Autonomic Nervous System and Ionic Channels. *Japanese Journal of Electrocardiology*, **2014**, 34, 45-52	0	
126	Sinus Node Dysfunction and Ca2+ Clock Malfunction in Heart Failure and Diabetes. *Japanese Journal of Electrocardiology*, **2014**, 34, 53-60	0	
125	Sympathetic nerve fibers and ganglia in canine cervical vagus nerves: localization and quantitation. *Heart Rhythm*, **2013**, 10, 585-91	6.7	30
124	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

123	Apamin-sensitive calcium-activated potassium currents in rabbit ventricles with chronic myocardial infarction. *Journal of Cardiovascular Electrophysiology*, **2013**, 24, 1144-53	2.7	29
122	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
121	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
120	Heterogeneous upregulation of apamin-sensitive potassium currents in failing human ventricles. *Journal of the American Heart Association*, **2013**, 2, e004713	6	65
119	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
118	Amiodarone inhibits apamin-sensitive potassium currents. *PLoS ONE*, **2013**, 8, e70450	3.7	26
117	How to Map Autonomic Activity **2012**, 179-187		
116	Electroanatomic remodeling of the left stellate ganglion after myocardial infarction. *Journal of the American College of Cardiology*, **2012**, 59, 954-61	15.1	92
115	Imaging arrhythmogenic calcium signaling in intact hearts. *Pediatric Cardiology*, **2012**, 33, 968-74	2.1	4
114	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
113	Heart failure decreases nerve activity in the right atrial ganglionated plexus. *Journal of Cardiovascular Electrophysiology*, **2012**, 23, 404-12	2.7	17
112	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
111	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
110	Patterns of baseline autonomic nerve activity and the development of pacing-induced sustained atrial fibrillation. *Heart Rhythm*, **2011**, 8, 583-9	6.7	47
109	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
108	Small-conductance calcium-activated potassium channel and recurrent ventricular fibrillation in failing rabbit ventricles. *Circulation Research*, **2011**, 108, 971-9	15.7	126
107	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
106	Neural mechanisms of atrial arrhythmias. *Nature Reviews Cardiology*, **2011**, 9, 30-9	14.8	109

105	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
104	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
103	Cardiac neural remodeling and its role in arrhythmogenesis. *Heart Rhythm*, **2010**, 7, 1512-3	6.7	10
102	Early afterdepolarizations and cardiac arrhythmias. *Heart Rhythm*, **2010**, 7, 1891-9	6.7	233
101	Intrinsic cardiac nerve activity and paroxysmal atrial tachyarrhythmia in ambulatory dogs. *Circulation*, **2010**, 121, 2615-23	16.7	176
100	The initiation of the heart beat. *Circulation Journal*, **2010**, 74, 221-5	2.9	29
99	Intracellular calcium dynamics and acceleration of sinus rhythm by beta-adrenergic stimulation. *Circulation*, **2009**, 119, 788-96	16.7	81
98	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
97	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
96	New concepts in atrial fibrillation: neural mechanisms and calcium dynamics. *Cardiology Clinics*, **2009**, 27, 35-43, viii	2.5	31
95	Basic and translational. *Heart Rhythm*, **2009**, 6, 1541	6.7	
94	Histopathological substrate for chronic atrial fibrillation in humans. *Heart Rhythm*, **2009**, 6, 454-60	6.7	104
93	Mechanisms of recurrent ventricular fibrillation in a rabbit model of pacing-induced heart failure. *Heart Rhythm*, **2009**, 6, 784-92	6.7	48
92	Cryoablation of stellate ganglia and atrial arrhythmia in ambulatory dogs with pacing-induced heart failure. *Heart Rhythm*, **2009**, 6, 1772-9	6.7	45
91	A rabbit ventricular action potential model replicating cardiac dynamics at rapid heart rates. *Biophysical Journal*, **2008**, 94, 392-410	2.9	313
90	Spontaneous stellate ganglion nerve activity and ventricular arrhythmia in a canine model of sudden death. *Heart Rhythm*, **2008**, 5, 131-9	6.7	149
89	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
88	Intracellular Calcium Dynamics and Autonomic Stimulation in Atrial Fibrillation: Mechanisms and Implications. *Journal of Arrhythmia*, **2008**, 24, 64-70	1.5	

87	Neural mechanisms of paroxysmal atrial fibrillation and paroxysmal atrial tachycardia in ambulatory canines. *Circulation*, **2008**, 118, 916-25	16.7	232
86	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
85	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
84	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
83	Intracellular Calcium Dynamics and Atrial Fibrillation **2008**, 101-113		1
82	Exploring Cardioneural Signals from Noninvasive ECG Measurement **2007**,		1
81	Autonomic nerve activity and atrial fibrillation. *Heart Rhythm*, **2007**, 4, S61-4	6.7	166
80	Preshock phase singularity and the outcome of ventricular defibrillation. *Heart Rhythm*, **2007**, 4, 927-34	6.7	8
79	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
78	Arrhythmogenic Gene Change and Nerve Sprouting after Acute Myocardial Infarction in Mice. *Korean Circulation Journal*, **2007**, 37, 399	2.2	1
77	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
76	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
75	From pulsus to pulseless: the saga of cardiac alternans. *Circulation Research*, **2006**, 98, 1244-53	15.7	349
74	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
73	Mechanisms of Atrial Flutter From MacWilliam in 1887 to Miyauchi in 2005 *Journal of Arrhythmia*, **2006**, 22, 4-18	1.5	
72	P3-20. *Heart Rhythm*, **2006**, 3, S184	6.7	6
71	Circadian variations of stellate ganglion nerve activity in ambulatory dogs. *Heart Rhythm*, **2006**, 3, 78-85	6.7	60
70	Douglas P. Zipes Lecture. Neural mechanisms of atrial fibrillation. *Heart Rhythm*, **2006**, 3, 1373-7	6.7	19

69	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
68	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
67	Vein of Marshall activity during sustained atrial fibrillation. *Journal of Cardiovascular Electrophysiology*, **2006**, 17, 839-46	2.7	43
66	Ventricular fibrillation during no-flow global ischemia in isolated rabbit hearts. *Journal of Cardiovascular Electrophysiology*, **2006**, 17, 1112-20	2.7	25
65	The mechanisms of atrial fibrillation. *Journal of Cardiovascular Electrophysiology*, **2006**, 17 Suppl 3, S2-7	2.7	61
64	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
63	The dynamics of cardiac fibrillation. *Circulation*, **2005**, 112, 1232-40	16.7	253
62	Intracellular calcium dynamics and anisotropic reentry in isolated canine pulmonary veins and left atrium. *Circulation*, **2005**, 111, 2889-97	16.7	120
61	73 Effect of hypothermia on action potential duration restitution and initiation of ventricular arrhythmias in mouse hearts: an optical mapping study. *Europace*, **2005**, 7, 16-16	3.9	
60	Thoracic vein ablation terminates chronic atrial fibrillation in dogs. *American Journal of Physiology - Heart and Circulatory Physiology*, **2004**, 286, H2072-7	5.2	13
59	Mother rotors and the mechanisms of D600-induced type 2 ventricular fibrillation. *Circulation*, **2004** , 110, 2110-8	16.7	54
58	Mechanisms of cardiac nerve sprouting after myocardial infarction in dogs. *Circulation Research*, **2004**, 95, 76-83	15.7	254
57	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
56	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
55	Atrial fibrillation: focal activity, re-entry, or both?. *Heart Rhythm*, **2004**, 1, 117-20	6.7	12
54	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
53	Nerve sprouting induced by radiofrequency catheter ablation in dogs. *Heart Rhythm*, **2004**, 1, 712-7	6.7	31
52	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

51	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
50	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
49	Spatial distribution of phase singularities in ventricular fibrillation. *Circulation*, **2003**, 108, 354-9	16.7	64
48	A tale of two fibrillations. *Circulation*, **2003**, 108, 2298-303	16.7	93
47	Correlation between anatomy and electrical activation in canine pulmonary veins. *Circulation*, **2003**, 107, 1550-5	16.7	83
46	Catheter ablation of ventricular fibrillation in rabbit ventricles treated with beta-blockers. *Circulation*, **2003**, 108, 3149-56	16.7	55
45	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
44	Aging-related increase to inducible atrial fibrillation in the rat model. *Journal of Cardiovascular Electrophysiology*, **2002**, 13, 801-8	2.7	121
43	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
42	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
41	Thoracic veins and the mechanisms of non-paroxysmal atrial fibrillation. *Cardiovascular Research*, **2002**, 54, 295-301	9.9	50
40	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
39	Frequency analysis of ventricular fibrillation in Swine ventricles. *Circulation Research*, **2002**, 90, 213-22	15.7	50
38	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
37	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
36	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
35	Dynamics of intramural and transmural reentry during ventricular fibrillation in isolated swine ventricles. *Circulation Research*, **2001**, 88, 839-48	15.7	113
34	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

33	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
32	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
31	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
30	Fibrillation and defibrillation: the odd couple?. *Journal of Cardiovascular Electrophysiology*, **2000**, 11, 642-4	2.7	5
29	Influence of wavefront dynamics on transmembrane potential characteristics during atrial fibrillation. *Journal of Cardiovascular Electrophysiology*, **2000**, 11, 913-21	2.7	
28	Ventricular fibrillation: how do we stop the waves from breaking?. *Circulation Research*, **2000**, 87, 1103-7	15.7	187
27	Mechanisms of discordant alternans and induction of reentry in simulated cardiac tissue. *Circulation* , **2000**, 102, 1664-70	16.7	316
26	Vein of marshall cannulation for the analysis of electrical activity in patients with focal atrial fibrillation. *Circulation*, **2000**, 101, 1503-5	16.7	271
25	Nerve sprouting and sudden cardiac death. *Circulation Research*, **2000**, 86, 816-21	15.7	344
24	Relationship between regional cardiac hyperinnervation and ventricular arrhythmia. *Circulation*, **2000**, 101, 1960-9	16.7	353
23	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
22	Chaos and the transition to ventricular fibrillation: a new approach to antiarrhythmic drug evaluation. *Circulation*, **1999**, 99, 2819-26	16.7	257
21	Relation between ligament of Marshall and adrenergic atrial tachyarrhythmia. *Circulation*, **1999**, 100, 876-83	16.7	129
20	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
19	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
18	Electric potentials from a persistent left superior vena cava draining into coronary sinus. *Journal of Cardiovascular Electrophysiology*, **1999**, 10, 1559	2.7	10
17	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
16	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

15	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
14	Spirals, chaos, and new mechanisms of wave propagation. *PACE - Pacing and Clinical Electrophysiology*, **1997**, 20, 414-21	1.6	26
13	The zone of vulnerability to T wave shocks in humans. *Journal of Cardiovascular Electrophysiology*, **1997**, 8, 145-54	2.7	43
12	Upper limit of vulnerability predicts chronic defibrillation threshold for transvenous implantable defibrillators. *Journal of Cardiovascular Electrophysiology*, **1997**, 8, 241-8	2.7	16
11	Prevalence of retrograde accessory pathway conduction during atrial fibrillation. *Journal of Cardiovascular Electrophysiology*, **1997**, 8, 377-87	2.7	7
10	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
9	Comparative reproducibility of defibrillation threshold and upper limit of vulnerability. *PACE - Pacing and Clinical Electrophysiology*, **1996**, 19, 2103-11	1.6	40
8	Short biphasic pulses from 90 microfarad capacitors lower defibrillation threshold. *PACE - Pacing and Clinical Electrophysiology*, **1996**, 19, 1053-60	1.6	17
7	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
6	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
5	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
4	Interaction between strong electrical stimulation and reentrant wavefronts in canine ventricular fibrillation. *Circulation Research*, **1995**, 77, 407-16	15.7	40
3	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
2	The Mechanisms of Ventricular Fibrillation267-276		
1	Application of nanoelectrodes in recording biopotentials		2