

# Stanley Nattel

## List of Publications by Citations

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583  
papers

48,791  
citations

117  
h-index

201  
g-index

714  
ext. papers

56,708  
ext. citations

8.5  
avg, IF

7.72  
L-index

#	Paper	IF	Citations
583	2012 HRS/EHRA/ECAS expert consensus statement on catheter and surgical ablation of atrial fibrillation: recommendations for patient selection, procedural techniques, patient management and follow-up, definitions, endpoints, and research trial design: a report of the Heart Rhythm Society (HRS) Task Force on Catheter and Surgical Ablation of Atrial Fibrillation. <i>Circulation</i> , <b>2012</b> , 125, 2370-2404	6.7	1314
582	2012 HRS/EHRA/ECAS Expert Consensus Statement on Catheter and Surgical Ablation of Atrial Fibrillation: recommendations for patient selection, procedural techniques, patient management and follow-up, definitions, endpoints, and research trial design. <i>Europace</i> , <b>2012</b> , 14, 528-606	3.9	1160
581	New ideas about atrial fibrillation 50 years on. <i>Nature</i> , <b>2002</b> , 415, 219-26	50.4	1125
580	Promotion of atrial fibrillation by heart failure in dogs: atrial remodeling of a different sort. <i>Circulation</i> , <b>1999</b> , 100, 87-95	16.7	1094
579	Rhythm control versus rate control for atrial fibrillation and heart failure. <i>New England Journal of Medicine</i> , <b>2008</b> , 358, 2667-77	59.2	1090
578	Amiodarone to prevent recurrence of atrial fibrillation. Canadian Trial of Atrial Fibrillation Investigators. <i>New England Journal of Medicine</i> , <b>2000</b> , 342, 913-20	59.2	864
577	Atrial fibrosis: mechanisms and clinical relevance in atrial fibrillation. <i>Journal of the American College of Cardiology</i> , <b>2008</b> , 51, 802-9	15.1	849
576	Atrial remodeling and atrial fibrillation: mechanisms and implications. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2008</b> , 1, 62-73	6.4	704
575	Arrhythmogenic ion-channel remodeling in the heart: heart failure, myocardial infarction, and atrial fibrillation. <i>Physiological Reviews</i> , <b>2007</b> , 87, 425-56	47.9	621
574	The clinical profile and pathophysiology of atrial fibrillation: relationships among clinical features, epidemiology, and mechanisms. <i>Circulation Research</i> , <b>2014</b> , 114, 1453-68	15.7	587
573	Effects of angiotensin-converting enzyme inhibition on the development of the atrial fibrillation substrate in dogs with ventricular tachypacing-induced congestive heart failure. <i>Circulation</i> , <b>2001</b> , 104, 2608-14	16.7	554
572	Probucol and multivitamins in the prevention of restenosis after coronary angioplasty. Multivitamins and Probucol Study Group. <i>New England Journal of Medicine</i> , <b>1997</b> , 337, 365-72	59.2	514
571	Ionic mechanisms underlying human atrial action potential properties: insights from a mathematical model. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>1998</b> , 275, H301-21	5.2	504
570	Ionic remodeling underlying action potential changes in a canine model of atrial fibrillation. <i>Circulation Research</i> , <b>1997</b> , 81, 512-25	15.7	475
569	Atrial fibrillation pathophysiology: implications for management. <i>Circulation</i> , <b>2011</b> , 124, 2264-74	16.7	464
568	2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation. <i>Europace</i> , <b>2018</b> , 20, e1-e160	3.9	461
567	Enhanced sarcoplasmic reticulum Ca <sup>2+</sup> leak and increased Na <sup>+</sup> -Ca <sup>2+</sup> exchanger function underlie delayed afterdepolarizations in patients with chronic atrial fibrillation. <i>Circulation</i> , <b>2012</b> , 125, 2059-70	16.7	395

566	Role of the autonomic nervous system in atrial fibrillation: pathophysiology and therapy. <i>Circulation Research</i> , <b>2014</b> , 114, 1500-15	15.7	389
565	Focused 2012 update of the Canadian Cardiovascular Society atrial fibrillation guidelines: recommendations for stroke prevention and rate/rhythm control. <i>Canadian Journal of Cardiology</i> , <b>2012</b> , 28, 125-36	3.8	389
564	Prevention of atrial fibrillation: report from a national heart, lung, and blood institute workshop. <i>Circulation</i> , <b>2009</b> , 119, 606-18	16.7	378
563	Atrial remodeling and atrial fibrillation: recent advances and translational perspectives. <i>Journal of the American College of Cardiology</i> , <b>2014</b> , 63, 2335-45	15.1	375
562	Regional and tissue specific transcript signatures of ion channel genes in the non-diseased human heart. <i>Journal of Physiology</i> , <b>2007</b> , 582, 675-93	3.9	375
561	Cellular and molecular electrophysiology of atrial fibrillation initiation, maintenance, and progression. <i>Circulation Research</i> , <b>2014</b> , 114, 1483-99	15.7	373
560	Recent advances in the molecular pathophysiology of atrial fibrillation. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 2955-68	15.9	369
559	Differential distribution of cardiac ion channel expression as a basis for regional specialization in electrical function. <i>Circulation Research</i> , <b>2002</b> , 90, 939-50	15.7	330
558	Evidence for two components of delayed rectifier K <sup>+</sup> current in human ventricular myocytes. <i>Circulation Research</i> , <b>1996</b> , 78, 689-96	15.7	326
557	Effects of experimental heart failure on atrial cellular and ionic electrophysiology. <i>Circulation</i> , <b>2000</b> , 101, 2631-8	16.7	317
556	2014 focused update of the Canadian Cardiovascular Society Guidelines for the management of atrial fibrillation. <i>Canadian Journal of Cardiology</i> , <b>2014</b> , 30, 1114-30	3.8	305
555	Cardiac arrhythmogenic remodeling in a rat model of long-term intensive exercise training. <i>Circulation</i> , <b>2011</b> , 123, 13-22	16.7	298
554	Molecular mechanisms underlying ionic remodeling in a dog model of atrial fibrillation. <i>Circulation Research</i> , <b>1999</b> , 84, 776-84	15.7	279
553	Cellular and molecular mechanisms of atrial arrhythmogenesis in patients with paroxysmal atrial fibrillation. <i>Circulation</i> , <b>2014</b> , 129, 145-156	16.7	273
552	Intra-atrial pressure increases rate and organization of waves emanating from the superior pulmonary veins during atrial fibrillation. <i>Circulation</i> , <b>2003</b> , 108, 668-71	16.7	268
551	EHRA/HRS/APHRS/SOLAECE expert consensus on atrial cardiomyopathies: definition, characterization, and clinical implication. <i>Europace</i> , <b>2016</b> , 18, 1455-1490	3.9	268
550	Importance of refractoriness heterogeneity in the enhanced vulnerability to atrial fibrillation induction caused by tachycardia-induced atrial electrical remodeling. <i>Circulation</i> , <b>1998</b> , 98, 2202-9	16.7	267
549	Modifiable Risk Factors and Atrial Fibrillation. <i>Circulation</i> , <b>2017</b> , 136, 583-596	16.7	263

548	Role of inflammation in atrial fibrillation pathophysiology and management. <i>Circulation Journal</i> , <b>2015</b> , 79, 495-502	2.9	251
547	2012 HRS/EHRA/ECAS expert consensus statement on catheter and surgical ablation of atrial fibrillation: recommendations for patient selection, procedural techniques, patient management and follow-up, definitions, endpoints, and research trial design. <i>Journal of Interventional Cardiac Electrophysiology</i> , <b>2012</b> , 33, 171-257	2.4	250
546	Role of angiotensin system and effects of its inhibition in atrial fibrillation: clinical and experimental evidence. <i>European Heart Journal</i> , <b>2006</b> , 27, 512-8	9.5	245
545	Molecular determinants of cardiac fibroblast electrical function and therapeutic implications for atrial fibrillation. <i>Cardiovascular Research</i> , <b>2011</b> , 89, 744-53	9.9	244
544	Characterization of a transient outward K <sup>+</sup> current with inward rectification in canine ventricular myocytes. <i>American Journal of Physiology - Cell Physiology</i> , <b>1998</b> , 274, C577-85	5.4	243
543	Functional mechanisms underlying tachycardia-induced sustained atrial fibrillation in a chronic dog model. <i>Circulation</i> , <b>1997</b> , 96, 4027-35	16.7	241
542	2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation: Executive summary. <i>Europace</i> , <b>2018</b> , 20, 157-208	3.9	227
541	Antisense oligodeoxynucleotides directed against Kv1.5 mRNA specifically inhibit ultrarapid delayed rectifier K <sup>+</sup> current in cultured adult human atrial myocytes. <i>Circulation Research</i> , <b>1997</b> , 80, 572-9	15.7	225
540	Effect of simvastatin and antioxidant vitamins on atrial fibrillation promotion by atrial-tachycardia remodeling in dogs. <i>Circulation</i> , <b>2004</b> , 110, 2313-9	16.7	223
539	2016 Focused Update of the Canadian Cardiovascular Society Guidelines for the Management of Atrial Fibrillation. <i>Canadian Journal of Cardiology</i> , <b>2016</b> , 32, 1170-1185	3.8	212
538	New antiarrhythmic drugs for treatment of atrial fibrillation. <i>Lancet, The</i> , <b>2010</b> , 375, 1212-23	4.0	210
537	Calcium-handling abnormalities underlying atrial arrhythmogenesis and contractile dysfunction in dogs with congestive heart failure. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2008</b> , 1, 93-102	6.4	205
536	Evolution, mechanisms, and classification of antiarrhythmic drugs: focus on class III actions. <i>American Journal of Cardiology</i> , <b>1999</b> , 84, 11R-19R	3	204
535	Differences in atrial versus ventricular remodeling in dogs with ventricular tachypacing-induced congestive heart failure. <i>Cardiovascular Research</i> , <b>2004</b> , 63, 236-44	9.9	203
534	Differential behaviors of atrial versus ventricular fibroblasts: a potential role for platelet-derived growth factor in atrial-ventricular remodeling differences. <i>Circulation</i> , <b>2008</b> , 117, 1630-41	16.7	201
533	Ionic targets for drug therapy and atrial fibrillation-induced electrical remodeling: insights from a mathematical model. <i>Cardiovascular Research</i> , <b>1999</b> , 42, 477-89	9.9	196
532	Dynamic nature of atrial fibrillation substrate during development and reversal of heart failure in dogs. <i>Circulation</i> , <b>2002</b> , 105, 2672-8	16.7	195
531	Transmural action potential and ionic current remodeling in ventricles of failing canine hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2002</b> , 283, H1031-41	5.2	191

530	Ionic determinants of functional reentry in a 2-D model of human atrial cells during simulated chronic atrial fibrillation. <i>Biophysical Journal</i> , <b>2005</b> , 88, 3806-21	2.9	190
529	Human atrial ion channel and transporter subunit gene-expression remodeling associated with valvular heart disease and atrial fibrillation. <i>Circulation</i> , <b>2005</b> , 112, 471-81	16.7	188
528	Cholinergic atrial fibrillation in a computer model of a two-dimensional sheet of canine atrial cells with realistic ionic properties. <i>Circulation Research</i> , <b>2002</b> , 90, E73-87	15.7	188
527	Atrial fibrillation promotion by endurance exercise: demonstration and mechanistic exploration in an animal model. <i>Journal of the American College of Cardiology</i> , <b>2013</b> , 62, 68-77	15.1	185
526	Transient receptor potential canonical-3 channel-dependent fibroblast regulation in atrial fibrillation. <i>Circulation</i> , <b>2012</b> , 126, 2051-64	16.7	185
525	Changes in microRNA-1 expression and IK1 up-regulation in human atrial fibrillation. <i>Heart Rhythm</i> , <b>2009</b> , 6, 1802-9	6.7	184
524	Cellular electrophysiology of canine pulmonary vein cardiomyocytes: action potential and ionic current properties. <i>Journal of Physiology</i> , <b>2003</b> , 551, 801-13	3.9	184
523	Evolution of the atrial fibrillation substrate in experimental congestive heart failure: angiotensin-dependent and -independent pathways. <i>Cardiovascular Research</i> , <b>2003</b> , 60, 315-25	9.9	183
522	Atrial ischemia promotes atrial fibrillation in dogs. <i>Circulation</i> , <b>2003</b> , 107, 1930-6	16.7	183
521	MicroRNA-26 governs profibrillatory inward-rectifier potassium current changes in atrial fibrillation. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 1939-51	15.9	183
520	Differential distribution of inward rectifier potassium channel transcripts in human atrium versus ventricle. <i>Circulation</i> , <b>1998</b> , 98, 2422-8	16.7	182
519	Enalapril effects on atrial remodeling and atrial fibrillation in experimental congestive heart failure. <i>Cardiovascular Research</i> , <b>2002</b> , 54, 456-61	9.9	180
518	MicroRNA29: a mechanistic contributor and potential biomarker in atrial fibrillation. <i>Circulation</i> , <b>2013</b> , 127, 1466-75, 1475e1-28	16.7	178
517	Rapid and slow components of delayed rectifier current in human atrial myocytes. <i>Cardiovascular Research</i> , <b>1994</b> , 28, 1540-6	9.9	177
516	Effects of the chromanol 293B, a selective blocker of the slow, component of the delayed rectifier K <sup>+</sup> current, on repolarization in human and guinea pig ventricular myocytes. <i>Cardiovascular Research</i> , <b>1998</b> , 38, 441-50	9.9	175
515	Enhanced Cardiomyocyte NLRP3 Inflammasome Signaling Promotes Atrial Fibrillation. <i>Circulation</i> , <b>2018</b> , 138, 2227-2242	16.7	174
514	Potential molecular basis of different physiological properties of the transient outward K <sup>+</sup> current in rabbit and human atrial myocytes. <i>Circulation Research</i> , <b>1999</b> , 84, 551-61	15.7	172
513	Mechanisms of atrial fibrillation: lessons from animal models. <i>Progress in Cardiovascular Diseases</i> , <b>2005</b> , 48, 9-28	8.5	170

512	Molecular and Cellular Mechanisms of Atrial Fibrosis in Atrial Fibrillation. <i>JACC: Clinical Electrophysiology</i> , <b>2017</b> , 3, 425-435	4.6	167
511	Pulmonary vein region ablation in experimental vagal atrial fibrillation: role of pulmonary veins versus autonomic ganglia. <i>Circulation</i> , <b>2008</b> , 117, 470-7	16.7	165
510	Atrial fibrillation and congestive heart failure: specific considerations at the intersection of two common and important cardiac disease sets. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2002</b> , 13, 399-407	16.7	164
509	Cellular mechanisms of atrial contractile dysfunction caused by sustained atrial tachycardia. <i>Circulation</i> , <b>1998</b> , 98, 719-27	16.7	159
508	Innovative approaches to anti-arrhythmic drug therapy. <i>Nature Reviews Drug Discovery</i> , <b>2006</b> , 5, 1034-49	4.1	155
507	Left-to-right atrial inward rectifier potassium current gradients in patients with paroxysmal versus chronic atrial fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2010</b> , 3, 472-80	6.4	154
506	Dissociation between ionic remodeling and ability to sustain atrial fibrillation during recovery from experimental congestive heart failure. <i>Circulation</i> , <b>2004</b> , 109, 412-8	16.7	154
505	Involvement of lipid rafts and caveolae in cardiac ion channel function. <i>Cardiovascular Research</i> , <b>2006</b> , 69, 798-807	9.9	151
504	A comparison of currents carried by HERG, with and without coexpression of MiRP1, and the native rapid delayed rectifier current. Is MiRP1 the missing link?. <i>Journal of Physiology</i> , <b>2002</b> , 540, 15-27	3.9	151
503	HERG K <sup>+</sup> channel, a regulator of tumor cell apoptosis and proliferation. <i>Cancer Research</i> , <b>2002</b> , 62, 4843-8	4.1	151
502	2017 HRS/EHRA/ECAS/APQRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation: Executive summary. <i>Journal of Arrhythmia</i> , <b>2017</b> , 33, 369-409	1.5	148
501	Ionic mechanisms of regional action potential heterogeneity in the canine right atrium. <i>Circulation Research</i> , <b>1998</b> , 83, 541-51	15.7	148
500	Tachycardia-induced changes in Na <sup>+</sup> current in a chronic dog model of atrial fibrillation. <i>Circulation Research</i> , <b>1997</b> , 81, 1045-52	15.7	148
499	Kir3-based inward rectifier potassium current: potential role in atrial tachycardia remodeling effects on atrial repolarization and arrhythmias. <i>Circulation</i> , <b>2006</b> , 113, 1730-7	16.7	147
498	Adenosine-guided pulmonary vein isolation for the treatment of paroxysmal atrial fibrillation: an international, multicentre, randomised superiority trial. <i>Lancet, The</i> , <b>2015</b> , 386, 672-9	4.0	146
497	Mechanisms by which adenosine restores conduction in dormant canine pulmonary veins. <i>Circulation</i> , <b>2010</b> , 121, 963-72	16.7	146
496	2018 Focused Update of the Canadian Cardiovascular Society Guidelines for the Management of Atrial Fibrillation. <i>Canadian Journal of Cardiology</i> , <b>2018</b> , 34, 1371-1392	3.8	144
495	Changes in connexin expression and the atrial fibrillation substrate in congestive heart failure. <i>Circulation Research</i> , <b>2009</b> , 105, 1213-22	15.7	143

494	Potential ionic mechanism for repolarization differences between canine right and left atrium. <i>Circulation Research</i> , <b>2001</b> , 88, 1168-75	15.7	143
493	Cellular signaling underlying atrial tachycardia remodeling of L-type calcium current. <i>Circulation Research</i> , <b>2008</b> , 103, 845-54	15.7	142
492	Controversies in atrial fibrillation. <i>Lancet, The</i> , <b>2006</b> , 367, 262-72	4.0	142
491	Novel molecular targets for atrial fibrillation therapy. <i>Nature Reviews Drug Discovery</i> , <b>2012</b> , 11, 275-91	64.1	140
490	EHRA/HRS/APHRS/SOLAECE expert consensus on atrial cardiomyopathies: Definition, characterization, and clinical implication. <i>Heart Rhythm</i> , <b>2017</b> , 14, e3-e40	6.7	138
489	Induction of heat shock response protects the heart against atrial fibrillation. <i>Circulation Research</i> , <b>2006</b> , 99, 1394-402	15.7	137
488	Basic mechanisms of atrial fibrillation--very new insights into very old ideas. <i>Annual Review of Physiology</i> , <b>2000</b> , 62, 51-77	23.1	137
487	Role for MicroRNA-21 in atrial profibrillatory fibrotic remodeling associated with experimental postinfarction heart failure. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2012</b> , 5, 1027-35	6.4	136
486	Gender-related differences in ion-channel and transporter subunit expression in non-diseased human hearts. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2010</b> , 49, 639-46	5.8	136
485	Early and comprehensive management of atrial fibrillation: executive summary of the proceedings from the 2nd AFNET-EHRA consensus conference 'research perspectives in AF'. <i>European Heart Journal</i> , <b>2009</b> , 30, 2969-77c	9.5	136
484	Associations of Obstructive Sleep Apnea With Atrial Fibrillation and Continuous Positive Airway Pressure Treatment: A Review. <i>JAMA Cardiology</i> , <b>2018</b> , 3, 532-540	16.2	133
483	Molecular basis of funny current (If) in normal and failing human heart. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2008</b> , 45, 289-99	5.8	133
482	Effects of antiarrhythmic drugs on fibrillation in the remodeled atrium: insights into the mechanism of the superior efficacy of amiodarone. <i>Circulation</i> , <b>2003</b> , 107, 1440-6	16.7	132
481	Targeted ablation of ILK from the murine heart results in dilated cardiomyopathy and spontaneous heart failure. <i>Genes and Development</i> , <b>2006</b> , 20, 2355-60	12.6	131
480	Sinus node dysfunction and hyperpolarization-activated (HCN) channel subunit remodeling in a canine heart failure model. <i>Cardiovascular Research</i> , <b>2005</b> , 66, 472-81	9.9	130
479	Atrial fibrillation promotion with long-term repetitive obstructive sleep apnea in a rat model. <i>Journal of the American College of Cardiology</i> , <b>2014</b> , 64, 2013-23	15.1	128
478	Early management of atrial fibrillation to prevent cardiovascular complications. <i>European Heart Journal</i> , <b>2014</b> , 35, 1448-56	9.5	128
477	The multidimensional role of calcium in atrial fibrillation pathophysiology: mechanistic insights and therapeutic opportunities. <i>European Heart Journal</i> , <b>2012</b> , 33, 1870-7	9.5	128

476	Lone atrial fibrillation: does it exist?. <i>Journal of the American College of Cardiology</i> , <b>2014</b> , 63, 1715-23	15.1	125
475	Effects of probucol on vascular remodeling after coronary angioplasty. Multivitamins and Protocol Study Group. <i>Circulation</i> , <b>1999</b> , 99, 30-5	16.7	125
474	Safety of dipyridamole testing in 73,806 patients: the Multicenter Dipyridamole Safety Study. <i>Journal of Nuclear Cardiology</i> , <b>1995</b> , 2, 3-17	2.1	125
473	Decreased phosphorylation levels of cardiac myosin-binding protein-C in human and experimental heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2007</b> , 43, 223-9	5.8	124
472	Role of small-conductance calcium-activated potassium channels in atrial electrophysiology and fibrillation in the dog. <i>Circulation</i> , <b>2014</b> , 129, 430-40	16.7	123
471	The T-type Ca(2+) channel blocker mibefradil prevents the development of a substrate for atrial fibrillation by tachycardia-induced atrial remodeling in dogs. <i>Circulation</i> , <b>1999</b> , 100, 2191-7	16.7	123
470	Transmural expression of transient outward potassium current subunits in normal and failing canine and human hearts. <i>Journal of Physiology</i> , <b>2004</b> , 561, 735-48	3.9	122
469	Effects of simvastatin on the development of the atrial fibrillation substrate in dogs with congestive heart failure. <i>Cardiovascular Research</i> , <b>2007</b> , 74, 75-84	9.9	120
468	Ionic remodeling in the heart: pathophysiological significance and new therapeutic opportunities for atrial fibrillation. <i>Circulation Research</i> , <b>2000</b> , 87, 440-7	15.7	118
467	Characterization of a hyperpolarization-activated time-dependent potassium current in canine cardiomyocytes from pulmonary vein myocardial sleeves and left atrium. <i>Journal of Physiology</i> , <b>2004</b> , 557, 583-97	3.9	117
466	Pulmonary vein isolation using "contact force" ablation: the effect on dormant conduction and long-term freedom from recurrent atrial fibrillation—a prospective study. <i>Heart Rhythm</i> , <b>2014</b> , 11, 1919-24	6.7	116
465	Potassium channel subunit remodeling in rabbits exposed to long-term bradycardia or tachycardia: discrete arrhythmogenic consequences related to differential delayed-rectifier changes. <i>Circulation</i> , <b>2006</b> , 113, 345-55	16.7	116
464	Atrial fibrillation. <i>Nature Reviews Disease Primers</i> , <b>2016</b> , 2, 16016	51.1	115
463	Ryanodine receptor-mediated calcium leak drives progressive development of an atrial fibrillation substrate in a transgenic mouse model. <i>Circulation</i> , <b>2014</b> , 129, 1276-1285	16.7	114
462	Atrial cardiomyocyte tachycardia alters cardiac fibroblast function: a novel consideration in atrial remodeling. <i>Cardiovascular Research</i> , <b>2007</b> , 76, 442-52	9.9	114
461	Mechanisms of atrial tachyarrhythmias associated with coronary artery occlusion in a chronic canine model. <i>Circulation</i> , <b>2011</b> , 123, 137-46	16.7	113
460	Omega-3 polyunsaturated fatty acids prevent atrial fibrillation associated with heart failure but not atrial tachycardia remodeling. <i>Circulation</i> , <b>2007</b> , 116, 2101-9	16.7	113
459	Cardiac ultrarapid delayed rectifiers: a novel potassium current family of functional similarity and molecular diversity. <i>Cellular Physiology and Biochemistry</i> , <b>1999</b> , 9, 217-26	3.9	113



458	Protein kinase C activates ATP-sensitive K <sup>+</sup> current in human and rabbit ventricular myocytes. <i>Circulation Research</i> , <b>1996</b> , 78, 492-8	15.7	113
457	Animal models for atrial fibrillation: clinical insights and scientific opportunities. <i>Europace</i> , <b>2010</b> , 12, 160-72	15.7	112
456	Adrenergic modulation of ultrarapid delayed rectifier K <sup>+</sup> current in human atrial myocytes. <i>Circulation Research</i> , <b>1996</b> , 78, 903-15	15.7	109
455	The value of basic research insights into atrial fibrillation mechanisms as a guide to therapeutic innovation: a critical analysis. <i>Cardiovascular Research</i> , <b>2016</b> , 109, 467-79	9.9	108
454	Maintenance of sinus rhythm and survival in patients with heart failure and atrial fibrillation. <i>Journal of the American College of Cardiology</i> , <b>2010</b> , 55, 1796-802	15.1	108
453	Model-dependent effects of the gap junction conduction-enhancing antiarrhythmic peptide rotigaptide (ZP123) on experimental atrial fibrillation in dogs. <i>Circulation</i> , <b>2007</b> , 115, 310-8	16.7	108
452	Mechanisms of atrial fibrillation termination by pure sodium channel blockade in an ionically-realistic mathematical model. <i>Circulation Research</i> , <b>2005</b> , 96, e35-47	15.7	107
451	Postoperative atrial fibrillation: mechanisms, manifestations and management. <i>Nature Reviews Cardiology</i> , <b>2019</b> , 16, 417-436	14.8	106
450	Impairment of HERG K(+) channel function by tumor necrosis factor-alpha: role of reactive oxygen species as a mediator. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 13289-92	5.4	105
449	Mathematical analysis of canine atrial action potentials: rate, regional factors, and electrical remodeling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2000</b> , 279, H1767-85	5.2	103
448	G protein-coupled receptor signalling in the cardiac nuclear membrane: evidence and possible roles in physiological and pathophysiological function. <i>Journal of Physiology</i> , <b>2012</b> , 590, 1313-30	3.9	101
447	Comparison of ion-channel subunit expression in canine cardiac Purkinje fibers and ventricular muscle. <i>Circulation Research</i> , <b>2002</b> , 91, 790-7	15.7	100
446	Activation of histone deacetylase-6 induces contractile dysfunction through derailment of $\beta$ -tubulin proteostasis in experimental and human atrial fibrillation. <i>Circulation</i> , <b>2014</b> , 129, 346-58	16.7	97
445	Barium block of Kir2 and human cardiac inward rectifier currents: evidence for subunit-heteromeric contribution to native currents. <i>Cardiovascular Research</i> , <b>2003</b> , 59, 328-38	9.9	96
444	Erythromycin-induced long QT syndrome: concordance with quinidine and underlying cellular electrophysiologic mechanism. <i>American Journal of Medicine</i> , <b>1990</b> , 89, 235-8	2.4	95
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