Stanley Nattel

List of Publications by Year
in descending order

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Version: 2024-02-01

657 papers	65,134 citations	464 130 h-index	1082 232 g-index
714 all docs	714 docs citations	714 times ranked	27892 citing authors

#	Article	IF	Citations
1	Adiposity-associated atrial fibrillation: molecular determinants, mechanisms, and clinical significance. Cardiovascular Research, 2023, 119, 614-630.	1.8	15
2	The effects of cardiac stretch on atrial fibroblasts: analysis of the evidence and potential role in atrial fibrillation. Cardiovascular Research, 2022, 118, 440-460.	1.8	18
3	Gut microbiota, dysbiosis and atrial fibrillation. Arrhythmogenic mechanisms and potential clinical implications. Cardiovascular Research, 2022, 118, 2415-2427.	1.8	45
4	Rotors anchored by refractory islands drive torsades de pointes in an experimental model of electrical storm. Heart Rhythm, 2022, 19, 318-329.	0.3	6
5	The role of cellular senescence in cardiac disease: basic biology and clinical relevance. Nature Reviews Cardiology, 2022, 19, 250-264.	6.1	84
6	Recent Insights Into Mechanisms and Clinical Approaches to Electrical Storm. Canadian Journal of Cardiology, 2022, 38, 439-453.	0.8	14
7	Pattern of Atrial Fibrillation and Cognitive Function in Young Patients With Atrial Fibrillation and Low CHADS 2 Score: Insights From the BRAIN-AF Trial. Circulation: Arrhythmia and Electrophysiology, 2022, , CIRCEP121010462.	2.1	3
8	Digital Technologies: Revolutionizing Cardiovascular Medicine and Reshaping the World. Canadian Journal of Cardiology, 2022, 38, 142-144.	0.8	0
9	Atrial fibrillation in heart failure: A practical approach for the clinician. Canadian Journal of Cardiology, 2022, , .	0.8	0
10	Understanding, Predicting, Preventing, and Treating Ventricular Arrhythmias: Pushing Sudden Death Into Overtime. Canadian Journal of Cardiology, 2022, 38, 414-417.	0.8	3
11	PO-616-07 THE ROLE OF CELLULAR SENESCENCE IN ATRIAL FIBRILLATION. Heart Rhythm, 2022, 19, S113-S114.	0.3	0
12	Inflammasome Signaling in AtrialÂFibrillation. Journal of the American College of Cardiology, 2022, 79, 2349-2366.	1.2	37
13	The inflammation-resolution promoting molecule resolvin-D1 prevents atrial proarrhythmic remodelling in experimental right heart disease. Cardiovascular Research, 2021, 117, 1776-1789.	1.8	38
14	Role of atrial arrhythmia and ventricular response in atrial fibrillation induced atrial remodelling. Cardiovascular Research, 2021, 117, 462-471.	1.8	16
15	Chronic obstructive pulmonary disease and atrial fibrillation: an interdisciplinary perspective. European Heart Journal, 2021, 42, 532-540.	1.0	46
16	Postoperative Atrial Fibrillation. Cardiac Electrophysiology Clinics, 2021, 13, 123-132.	0.7	12
17	Biomarkers in Atrial Fibrillation. Cardiac Electrophysiology Clinics, 2021, 13, 221-233.	0.7	19
18	Implications of Inflammation and Fibrosis in Atrial Fibrillation Pathophysiology. Cardiac Electrophysiology Clinics, 2021, 13, 25-35.	0.7	51

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19	New aspects of endocrine control of atrial fibrillation and possibilities for clinical translation. Cardiovascular Research, 2021, 117, 1645-1661.	1.8	24
20	Why translation from basic discoveries to clinical applications is so difficult for atrial fibrillation and possible approaches to improving it. Cardiovascular Research, 2021, 117, 1616-1631.	1.8	31
21	Sleep Apnea and Atrial Fibrillation. Cardiac Electrophysiology Clinics, 2021, 13, 87-94.	0.7	21
22	Risk Factors in Atrial Fibrillation: Appraisal of Atrial Fibrillation Risk Stratification. Cardiac Electrophysiology Clinics, 2021, 13, xix-xx.	0.7	1
23	Inositol Trisphosphate Receptors and Nuclear Calcium in Atrial Fibrillation. Circulation Research, 2021, 128, 619-635.	2.0	20
24	Computational models of atrial fibrillation: achievements, challenges, and perspectives for improving clinical care. Cardiovascular Research, 2021, 117, 1682-1699.	1.8	47
25	Finding a new job: glutamate signaling acts in atrial cardiomyocytes. Cell Research, 2021, 31, 943-944.	5.7	1
26	One Ring to Rule Them All: Continuous Monitoring of Patients With Secondary Atrial Fibrillation Points to a Unifying Underlying Mechanism. Canadian Journal of Cardiology, 2021, 37, 686-689.	0.8	7
27	Cohesin-protein Shugoshin-1 controls cardiac automaticity via HCN4 pacemaker channel. Nature Communications, 2021, 12, 2551.	5.8	7
28	Challenges and opportunities in improving the management of atrial fibrillation: recent research advances and their clinical translation. Cardiovascular Research, 2021, 117, 1609-1611.	1.8	5
29	A computational model of pig ventricular cardiomyocyte electrophysiology and calcium handling: Translation from pig to human electrophysiology. PLoS Computational Biology, 2021, 17, e1009137.	1.5	3
30	Management of Atrial Fibrillation in 2021: An Updated Comparison of the Current CCS/CHRS, ESC, and AHA/ACC/HRS Guidelines. Canadian Journal of Cardiology, 2021, 37, 1607-1618.	0.8	48
31	Ageing, comorbidities, and the complex determinants of atrial fibrillation in athletes. European Heart Journal, 2021, 42, 3526-3528.	1.0	4
32	Does gut microbiota affect atrial rhythm? Causalities and speculations. European Heart Journal, 2021, 42, 3521-3525.	1.0	23
33	Electrophysiological engineering of heart-derived cells with calcium-dependent potassium channels improves cell therapy efficacy for cardioprotection. Nature Communications, 2021, 12, 4963.	5.8	5
34	Transcriptomic Profiling of Canine Atrial Fibrillation Models After One Week of Sustained Arrhythmia. Circulation: Arrhythmia and Electrophysiology, 2021, 14, e009887.	2.1	6
35	Atrial-Specific LKB1 Knockdown Represents a Novel Mouse Model of Atrial Cardiomyopathy With Spontaneous Atrial Fibrillation. Circulation, 2021, 144, 909-912.	1.6	10
36	Cardiac Na/Ca Exchange Suppression: A Lateâ€Breaking Knockout Story Showing That There Is No Free Lunch. Journal of the American Heart Association, 2021, 10, e022512.	1.6	0

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37	Understanding the molecular events preceding and leading to atrial fibrillation. Heart Rhythm, 2021, 18, 2126-2127.	0.3	1
38	Diminished PLK2 Induces Cardiac Fibrosis and Promotes Atrial Fibrillation. Circulation Research, 2021, 129, 804-820.	2.0	18
39	Fish Oil Supplements May Increase the Risk for Atrial Fibrillation: What Does This Mean?. Circulation, 2021, 144, 1991-1994.	1.6	4
40	Editorial Commentary: Obesity, body composition and atrial fibrillation. Trends in Cardiovascular Medicine, 2020, 30, 212-214.	2.3	3
41	Sex as a Key Variable in Predicting Cardiovascular Outcomes: Rapidly Evolving Knowledge but Much More Needed. Canadian Journal of Cardiology, 2020, 36, 1-3.	0.8	4
42	Reply. Journal of the American College of Cardiology, 2020, 76, 2179-2180.	1.2	0
43	Comparison of Atrial Remodeling Caused by Sustained Atrial Flutter Versus Atrial Fibrillation. Journal of the American College of Cardiology, 2020, 76, 374-388.	1.2	18
44	Association of Atrial Fibrillation Episode Duration With Arrhythmia Recurrence Following Ablation. JAMA Network Open, 2020, 3, e208748.	2.8	31
45	Atrial Myocyte NLRP3/CaMKII Nexus Forms a Substrate for Postoperative Atrial Fibrillation. Circulation Research, 2020, 127, 1036-1055.	2.0	152
46	In Memoriamâ€"Martial G. Bourassa (1931-2020). Canadian Journal of Cardiology, 2020, 36, 1562-1563.	0.8	0
47	The Canadian Cardiovascular Society Atrial Fibrillation Guidelines Program: A Look Back Over the Last 10 Years and a Look Forward. Canadian Journal of Cardiology, 2020, 36, 1839-1842.	0.8	6
48	The 2020 Canadian Cardiovascular Society/Canadian Heart Rhythm Society Comprehensive Guidelines for the Management of Atrial Fibrillation. Canadian Journal of Cardiology, 2020, 36, 1847-1948.	0.8	313
49	Electrophysiological Effects of Atrial Epicardial Adipose Tissue. Journal of the American College of Cardiology, 2020, 76, 1212-1214.	1.2	6
50	Paracrine signalling by cardiac calcitonin controls atrial fibrogenesis and arrhythmia. Nature, 2020, 587, 460-465.	13.7	55
51	Pulmonary Vein Stenosis After Atrial Fibrillation Ablation: Insights From the ADVICE Trial. Canadian Journal of Cardiology, 2020, 36, 1965-1974.	0.8	14
52	Do Atrial Fibrillationâ€"Promoting GeneÂVariants Act by Enhancing AtrialÂRemodeling?. JACC: Clinical Electrophysiology, 2020, 6, 1522-1524.	1.3	1
53	Molecular Basis of Atrial Fibrillation Pathophysiology and Therapy. Circulation Research, 2020, 127, 51-72.	2.0	222
54	Prevalence and clinical impact of spontaneous and adenosine-induced pulmonary vein reconduction in the Contact-Force vs. Cryoballoon Atrial Fibrillation Ablation (CIRCA-DOSE) study. Heart Rhythm, 2020, 17, 897-904.	0.3	7

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55	Physical activity and atrial fibrillation risk: itâ€™s complicated; and sex is critical. European Heart Journal, 2020, 41, 1487-1489.	1.0	10
56	A Focus on COVID-19: Fast and Accurate Information to Guide Management for Pandemic-Related Issues in Cardiac Patients. Canadian Journal of Cardiology, 2020, 36, 787-788.	0.8	0
57	Linking cellular energy state to atrial fibrillation pathogenesis: Potential role of adenosine monophosphateâ€“activated protein kinase. Heart Rhythm, 2020, 17, 1398-1404.	0.3	12
58	M/M/Infinity Birth-Death Processes â€“ A Quantitative Representational Framework to Summarize and Explain Phase Singularity and Wavelet Dynamics in Atrial Fibrillation. Frontiers in Physiology, 2020, 11, 616866.	1.3	14
59	Altered calcium handling produces reentry-promoting action potential alternans in atrial fibrillationâ€“remodeled hearts. JCI Insight, 2020, 5, .	2.3	28
60	Binge Alcohol Exposure Triggers Atrial Fibrillation Through T-Type Ca²⁺ Channel Upregulation via Protein Kinase C (PKC) / Glycogen Synthesis Kinase 3Î² (GSK3Î²) / Nuclear Factor of Activated T-Cells (NFAT) Signalingã€€â€• An Experimental Account of Holiday Heart Syndrome â€•. Circulation Journal, 2020, 84, 1931-1940.	0.7	11
61	Exchange protein activated by cyclic-adenosine monophosphate (Epac) regulates atrial fibroblast function and controls cardiac remodelling. Cardiovascular Research, 2019, 115, 94-106.	1.8	34
62	The Inability of the Choroid to Revascularize in Oxygen-Induced Retinopathy Results from Increased p53/miR-Let-7b Activity. American Journal of Pathology, 2019, 189, 2340-2356.	1.9	7
63	Notes From Cardiology Clinic: Medicine Is More Than Just Pills, Procedures, and Devices. Canadian Journal of Cardiology, 2019, 35, 1263-1264.	0.8	0
64	Right Atrial Mechanisms of AtrialÂFibrillation in a Rat Model of RightÂHeartÂDisease. Journal of the American College of Cardiology, 2019, 74, 1332-1347.	1.2	72
65	Role of the lysyl oxidase enzyme family in cardiac function and disease. Cardiovascular Research, 2019, 115, 1820-1837.	1.8	30
66	Molecular Signature of CAID Syndrome: Noncanonical Roles of SGO1 in Regulation of TGF-Î² Signaling and Epigenomics. Cellular and Molecular Gastroenterology and Hepatology, 2019, 7, 411-431.	2.3	11
67	An N-/L-type calcium channel blocker, cilnidipine, suppresses autonomic, electrical, and structural remodelling associated with atrial fibrillation. Cardiovascular Research, 2019, 115, 1975-1985.	1.8	14
68	Age-related regulation and region-specific distribution of ion channel subunits promoting atrial fibrillation in human left and right atria. Europace, 2019, 21, 1261-1269.	0.7	21
69	Blinded Randomized Trial of Anticoagulation to Prevent Ischemic Stroke and Neurocognitive Impairment in Atrial Fibrillation (BRAIN-AF): Methods and Design. Canadian Journal of Cardiology, 2019, 35, 1069-1077.	0.8	27
70	Computational models of the atrial fibrillation substrate: can they explain post-ablation recurrences and help to prevent them. Cardiovascular Research, 2019, 115, 1681-1683.	1.8	1
71	Guideline Implications of Prothrombotic State Assessment in Low-Risk Atrial Fibrillation Patients: Consistency With CHA2DS2-VASc and Support for CHADS-65. Canadian Journal of Cardiology, 2019, 35, 547-549.	0.8	0
72	The Canadian Journal of Cardiology: Open and Growing. Canadian Journal of Cardiology, 2019, 35, 133-137.	0.8	0

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73	Postoperative atrial fibrillation: mechanisms, manifestations and management. Nature Reviews Cardiology, 2019, 16, 417-436.	6.1	296
74	Postoperative Atrial Fibrillation After Noncardiac Surgery: Maybe Not So Benign After All. Canadian Journal of Cardiology, 2019, 35, 1423-1425.	0.8	4
75	Renewal Theory as a Universal Quantitative Framework to Characterize Phase Singularity Regeneration in Mammalian Cardiac Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007569.	2.1	35
76	Role of autonomic nervous system in atrial fibrillation. International Journal of Cardiology, 2019, 287, 181-188.	0.8	95
77	Clarity and controversy around rate control in AF, the orphan child in AF therapeutics. International Journal of Cardiology, 2019, 287, 189-194.	0.8	1
78	Natriuretic peptide receptors and atrial-selective fibrosis: potential role in atrial fibrillation. Cardiovascular Research, 2019, 115, 258-260.	1.8	1
79	Translational Challenges in Atrial Fibrillation. Circulation Research, 2018, 122, 752-773.	2.0	131
80	Calciumâ€dependent potassium channels control proliferation of cardiac progenitor cells and bone marrowâ€derived mesenchymal stem cells. Journal of Physiology, 2018, 596, 2359-2379.	1.3	16
81	Response by Lau et al to Letters Regarding Article, â€œModifiable Risk Factors and Atrial Fibrillationâ€. Circulation, 2018, 137, 1534-1535.	1.6	1
82	2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation. Europace, 2018, 20, e1-e160.	0.7	767
83	Electrical coupling between cardiomyocytes and fibroblasts: experimental testing of a challenging and important concept. Cardiovascular Research, 2018, 114, 349-352.	1.8	30
84	2017â€‰HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation: Executive summary. Europace, 2018, 20, 157-208.	0.7	375
85	Associations of Obstructive Sleep Apnea With Atrial Fibrillation and Continuous Positive Airway Pressure Treatment. JAMA Cardiology, 2018, 3, 532.	3.0	252
86	Atrial Infarction-Induced Spontaneous Focal Discharges and Atrial Fibrillation in Sheep. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e005659.	2.1	23
87	Aging and Protein Kinase Activation. Circulation Research, 2018, 122, 799-801.	2.0	7
88	The Molecular Pathophysiology of Atrial Fibrillation. , 2018, , 396-408.		1
89	Profibrotic, Electrical, and Calcium-Handling Remodeling of the Atria in Heart Failure Patients With and Without Atrial Fibrillation. Frontiers in Physiology, 2018, 9, 1383.	1.3	77
90	2018 Focused Update of the Canadian Cardiovascular Society Guidelines for the Management of Atrial Fibrillation. Canadian Journal of Cardiology, 2018, 34, 1371-1392.	0.8	195

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91	Catheter ablation of atrial fibrillation and outcomes in heart failure patients: seeking the treasure in the CASTLE. Cardiovascular Research, 2018, 114, e50-e52.	1.8	1
92	Enhanced Cardiomyocyte NLRP3 Inflammasome Signaling Promotes Atrial Fibrillation. Circulation, 2018, 138, 2227-2242.	1.6	376
93	Mechanisms and Clinical Significance of Arrhythmia-Induced Cardiomyopathy. Canadian Journal of Cardiology, 2018, 34, 1449-1460.	0.8	30
94	Taking the Pulse of Atrial Fibrillation: A Practical Approach to Rate Control. Canadian Journal of Cardiology, 2018, 34, 1526-1530.	0.8	7
95	Prof Niels Voigt talks to Prof Stanley Nattel about advances in atrial fibrillation research and career insights. Cardiovascular Research, 2018, 114, e65-e65.	1.8	0
96	Age as a Critical Determinant of Atrial Fibrillation: A Two-sided Relationship. Canadian Journal of Cardiology, 2018, 34, 1396-1406.	0.8	36
97	Application of kinomic array analysis to screen for altered kinases in atrial fibrillation remodeling. Heart Rhythm, 2018, 15, 1708-1716.	0.3	5
98	EHRA/HRS/APHRS/SOLAECE expert consensus on atrial cardiomyopathies: Definition, characterization, and clinical implication. Heart Rhythm, 2017, 14, e3-e40.	0.3	442
99	MicroRNA-135a regulates sodiumâ€“calcium exchanger gene expression and cardiac electrical activity. Heart Rhythm, 2017, 14, 739-748.	0.3	13
100	Aortic Vascular Calcification: Cholesterol Lowering Does Not Reduce Progression in Patients With Familial Hypercholesterolemiaâ€"or Does It?. Canadian Journal of Cardiology, 2017, 33, 594-596.	0.8	6
101	Intracellular Angiotensinâ€II Interacts With Nuclear Angiotensin Receptors in Cardiac Fibroblasts and Regulates RNA Synthesis, Cell Proliferation, and Collagen Secretion. Journal of the American Heart Association, 2017, 6, .	1.6	43
102	Rate-Dependent Role of I Kur in Human Atrial Repolarization and Atrial Fibrillation Maintenance. Biophysical Journal, 2017, 112, 1997-2010.	0.2	18
103	2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation. Heart Rhythm, 2017, 14, e275-e444.	0.3	1,671
104	Atrial Fibrillation and Body Composition. Journal of the American College of Cardiology, 2017, 69, 2498-2501.	1.2	19
105	Molecular and Cellular Mechanisms of AtrialÂFibrosis in AtrialÂFibrillation. JACC: Clinical Electrophysiology, 2017, 3, 425-435.	1.3	290
106	Characterization of Sgo1 expression in developing and adult mouse. Gene Expression Patterns, 2017, 25-26, 36-45.	0.3	7
107	Controversies About Atrial Fibrillation Mechanisms. Circulation Research, 2017, 120, 1396-1398.	2.0	76
108	Contemporary Atrial Fibrillation Management: A Comparison of the Current AHA/ACC/HRS, CCS, and ESC Guidelines. Canadian Journal of Cardiology, 2017, 33, 965-976.	0.8	89

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109	Demystifying rotors and their place in clinical translation of atrial fibrillation mechanisms. Nature Reviews Cardiology, 2017, 14, 509-520.	6.1	72
110	Endoplasmic Reticulum Stress Is Associated With Autophagy and Cardiomyocyte Remodeling in Experimental and Human Atrial Fibrillation. Journal of the American Heart Association, 2017, 6, .	1.6	87
111	2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation: Executive summary. Journal of Arrhythmia, 2017, 33, 369-409.	0.5	348
112	Taking Hockey to Heart: Potential Coronary Risks of Watching Exciting Games. Canadian Journal of Cardiology, 2017, 33, 1517-1519.	0.8	2
113	Basic Electrophysiology. Cardiovascular Medicine, 2017, , 1-13.	0.0	0
114	2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation: executive summary. Journal of Interventional Cardiac Electrophysiology, 2017, 50, 1-55.	0.6	83
115	A Practical Approach to Avoiding Cardiovascular Adverse Effects of Psychoactive Medications. Canadian Journal of Cardiology, 2017, 33, 1577-1586.	0.8	16
116	2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation: Executive summary. Heart Rhythm, 2017, 14, e445-e494.	0.3	135
117	Allele-Specific Gene Silencing. Circulation Research, 2017, 121, 480-482.	2.0	2
118	Dataset of Sgo1 expression in cardiac, gastrointestinal, hepatic and neuronal tissue in mouse. Data in Brief, 2017, 13, 731-737.	0.5	5
119	Atrial Cardiomyopathy. Journal of the American College of Cardiology, 2017, 70, 756-765.	1.2	166
120	JAK-STAT signalling and the atrial fibrillation promoting fibrotic substrate. Cardiovascular Research, 2017, 113, 310-320.	1.8	52
121	Modifiable Risk Factors and Atrial Fibrillation. Circulation, 2017, 136, 583-596.	1.6	451
122	Dysfunction of Myosin Lightâ€Chain 4 (MYL4) Leads to Heritable Atrial Cardiomyopathy With Electrical, Contractile, and Structural Components: Evidence From Geneticallyâ€Engineered Rats. Journal of the American Heart Association, 2017, 6, .	1.6	52
123	T-tubular collagen: a new player in mechanosensing and disease?. Cardiovascular Research, 2017, 113, 839-840.	1.8	4
124	Close connections between contraction and rhythm: a new genetic cause of atrial fibrillation/cardiomyopathy and what it can teach us. European Heart Journal, 2017, 38, 35-37.	1.0	20
125	Drug Shortages: Patients and Health Care Providers Are All Drawing the Short Straw. Canadian Journal of Cardiology, 2017, 33, 283-286.	0.8	34
126	Metabolic Considerations in Atrial Fibrillationã€€â€• Mechanistic Insights and Therapeutic Opportunities â€•. Circulation Journal, 2017, 81, 1749-1757.	0.7	48

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127	Computational models of atrial cellular electrophysiology and calcium handling, and their role in atrial fibrillation. Journal of Physiology, 2016, 594, 537-553.	1.3	54
128	EHRA/HRS/APHRS/SOLAECE expert consensus on atrial cardiomyopathies: definition, characterization, and clinical implication. Europace, 2016, 18, 1455-1490.	0.7	471
129	The pioneering work of George Mines on cardiac arrhythmias: groundbreaking ideas that remain influential in contemporary cardiac electrophysiology. Journal of Physiology, 2016, 594, 2377-2386.	1.3	9
130	A novel transgenic rabbit model with reduced repolarization reserve: long QT syndrome caused by a dominantâ€negative mutation of the KCNE1 gene. British Journal of Pharmacology, 2016, 173, 2046-2061.	2.7	38
131	An Emerging Malignant Arrhythmia Epidemic Due to Loperamide Abuse. JACC: Clinical Electrophysiology, 2016, 2, 790-792.	1.3	5
132	Potassium Channel Remodeling in Heart Disease. Cardiac Electrophysiology Clinics, 2016, 8, 337-347.	0.7	5
133	Dronedarone. Cardiac Electrophysiology Clinics, 2016, 8, 453-465.	0.7	13
134	How does fibrosis promote atrial fibrillation persistence:in silicofindings, clinical observations, and experimental data. Cardiovascular Research, 2016, 110, 295-297.	1.8	31
135	EHRA/HRS/APHRS/SOLAECE expert consensus on Atrial cardiomyopathies: Definition, characterisation, and clinical implication. Journal of Arrhythmia, 2016, 32, 247-278.	0.5	92
136	2016 Focused Update of the Canadian Cardiovascular Society Guidelines for the Management of Atrial Fibrillation. Canadian Journal of Cardiology, 2016, 32, 1170-1185.	0.8	243
137	Cardiac Potassium Channel Disorders: From Basics to Clinics. Cardiac Electrophysiology Clinics, 2016, 8, xv-xvi.	0.7	0
138	Electrophysiological and molecular mechanisms of paroxysmal atrial fibrillation. Nature Reviews Cardiology, 2016, 13, 575-590.	6.1	128
139	Redefining the Blanking Period After Catheter Ablation for Paroxysmal Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2016, 9, .	2.1	109
140	Direct Effects of Activation and Inhibition of the Coagulation System on the AtrialÂFibrillation Substrate. JACC Basic To Translational Science, 2016, 1, 340-343.	1.9	2
141	Atrial fibrillation. Nature Reviews Disease Primers, 2016, 2, 16016.	18.1	185
142	Deciphering the fundamental mechanisms of atrial fibrillation: a quest for over a century. Cardiovascular Research, 2016, 109, 465-466.	1.8	7
143	Advances in drug, ablation, and device therapy for cardiac arrhythmias. Nature Reviews Cardiology, 2016, 13, 67-68.	6.1	6
144	The value of basic research insights into atrial fibrillation mechanisms as a guide to therapeutic innovation: a critical analysis. Cardiovascular Research, 2016, 109, 467-479.	1.8	166

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145	Caged ligands to study the role of intracellular GPCRs. Methods, 2016, 92, 72-77.	1.9	15
146	Estradiol regulates human QT-interval: acceleration of cardiac repolarization by enhanced KCNH2 membrane trafficking. European Heart Journal, 2016, 37, 640-650.	1.0	50
147	Role of Inflammation in Atrial Fibrillation Pathophysiology and Management. Circulation Journal, 2015, 79, 495-502.	0.7	345
148	The Past, Present, and Potential Future of Sodium Channel Block as an Atrial Fibrillation Suppressing Strategy. Journal of Cardiovascular Pharmacology, 2015, 66, 432-440.	0.8	15
149	Pulmonary vein exit block despite recovery of entry conduction during redo-ablation for atrial fibrillation. Europace, 2015, 17, 752-752.	0.7	3
150	Modeling the Aging Heart: From Local Respiratory Defects to Global Rhythm Disturbances. Cell Metabolism, 2015, 21, 662-663.	7.2	1
151	Pharmacotherapy for inherited arrhythmia syndromes: mechanistic basis, clinical trial evidence and practical application. Expert Review of Cardiovascular Therapy, 2015, 13, 769-782.	0.6	5
152	Innovative Therapeutics for Atrial Fibrillation. Journal of Cardiovascular Pharmacology, 2015, 66, 409-411.	0.8	1
153	The 2014 Atrial Fibrillation Guidelines Companion: AÂPractical Approach to the Use of the Canadian Cardiovascular Society Guidelines. Canadian Journal of Cardiology, 2015, 31, 1207-1218.	0.8	43
154	Results-Based Accountability for Cardiovascular Epidemiology Research by the National Heart, Lung, and Blood Institute. Circulation, 2015, 132, 1949-1952.	1.6	0
155	Canadian Cardiovascular Society 2014 Algorithm for Anticoagulation Therapy in Atrial Fibrillation Debated. Canadian Journal of Cardiology, 2015, 31, 1-2.	0.8	4
156	Changes in the Atrial Transcriptome and Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 5-7.	2.1	11
157	Fibroblast Inward-Rectifier Potassium Current Upregulation in Profibrillatory Atrial Remodeling. Circulation Research, 2015, 116, 836-845.	2.0	79
158	Targeting MicroRNA-208a to Suppress Adverse Postmyocardial Infarction Remodelling Related to RNA Activation of Endoglin Gene Expression. Canadian Journal of Cardiology, 2015, 31, 591-592.	0.8	5
159	A Systematic Review on the Progression of Paroxysmal to Persistent Atrial Fibrillation. JACC: Clinical Electrophysiology, 2015, 1, 105-115.	1.3	63
160	Adenosine-guided pulmonary vein isolation for the treatment of paroxysmal atrial fibrillation: an international, multicentre, randomised superiority trial. Lancet, The, 2015, 386, 672-679.	6.3	188
161	Wavelet analysis of cardiac optical mapping data. Computers in Biology and Medicine, 2015, 65, 243-255.	3.9	17
162	Loss of Cardiomyocyte Integrin-Linked Kinase Produces an Arrhythmogenic Cardiomyopathy in Mice. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 921-932.	2.1	21

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163	Atrial Fibrillation Activates AMP-Dependent Protein Kinase and its Regulation of Cellular Calcium Handling. Journal of the American College of Cardiology, 2015, 66, 47-58.	1.2	75
164	Nestin is a Marker of Lung Remodeling Secondary to Myocardial Infarction and Type I Diabetes in the Rat. Journal of Cellular Physiology, 2015, 230, 170-179.	2.0	19
165	The interaction between delayed rectifier channel alpha-subunits does not involve hetero-tetramer formation. Naunyn-Schmiedeberg's Archives of Pharmacology, 2015, 388, 973-981.	1.4	2
166	Potassium Channel Blockade Enhances Atrial Fibrillationâ€"Selective Antiarrhythmic Effects of Optimized State-Dependent Sodium Channel Blockade. Circulation, 2015, 132, 2203-2211.	1.6	41
167	Photoreleasable ligands to study intracrine angiotensin II signalling. Journal of Physiology, 2015, 593, 521-539.	1.3	16
168	MicroRNAs and atrial fibrillation: mechanisms and translational potential. Nature Reviews Cardiology, 2015, 12, 80-90.	6.1	116
169	Isolation and Study of Cardiac Nuclei from Canine Myocardium and Adult Ventricular Myocytes. Methods in Molecular Biology, 2015, 1234, 69-80.	0.4	5
170	Regional Ion Channel Gene Expression Heterogeneity and Ventricular Fibrillation Dynamics in Human Hearts. PLoS ONE, 2014, 9, e82179.	1.1	21
171	2014 Focused Update of the Canadian Cardiovascular Society Guidelines for the Management of Atrial Fibrillation. Canadian Journal of Cardiology, 2014, 30, 1114-1130.	0.8	382
172	Ryanodine Receptorâ€"Mediated Calcium Leak Drives Progressive Development of an Atrial Fibrillation Substrate in a Transgenic Mouse Model. Circulation, 2014, 129, 1276-1285.	1.6	160
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