Ulrich Schotten

List of Publications by Year
in descending order

228	35,580	18887 64	3844 184
papers	citations	h-index	g-index

237	237	237	23905
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Different circulating biomarkers in women and men with paroxysmal atrial fibrillation: results from the AF-RISK and RACE V studies. Europace, 2022, 24, 193-201.	0.7	10
2	Gut microbiota, dysbiosis and atrial fibrillation. Arrhythmogenic mechanisms and potential clinical implications. Cardiovascular Research, 2022, 118, 2415-2427.	1.8	45
3	Animal models and animal-free innovations for cardiovascular research: current status and routes to be explored. Consensus document of the ESC Working Group on Myocardial Function and the ESC Working Group on Cellular Biology of the Heart. Cardiovascular Research, 2022, 118, 3016-3051.	1.8	30
4	MRI-Detected Brain Lesions and Cognitive Function in Patients With Atrial Fibrillation Undergoing Left Atrial Catheter Ablation in the Randomized AXAFA-AFNET 5 Trial. Circulation, 2022, 145, 906-915.	1.6	12
5	Extended ECG Improves Classification of Paroxysmal and Persistent Atrial Fibrillation Based on P- and f-Waves. Frontiers in Physiology, 2022, 13, 779826.	1.3	1
6	Remote Design of a Smartphone and Wearable Detected Atrial Arrhythmia in Older Adults Case Finding Study: Smart in OAC â€“ AFNET 9. Frontiers in Cardiovascular Medicine, 2022, 9, 839202.	1.1	3
7	Cardiac chamber-specific genetic alterations suggest candidate genes and pathways implicating the left ventricle in the pathogenesis of atrial fibrillation. Genomics, 2022, 114, 110320.	1.3	1
8	Endomysial fibrosis, rather than overall connective tissue content, is the main determinant of conduction disturbances in human atrial fibrillation. Europace, 2022, 24, 1015-1024.	0.7	14
9	Association between comorbidities and left and right atrial dysfunction in patients with paroxysmal atrial fibrillation: Analysis of AF-RISK. International Journal of Cardiology, 2022, 360, 29-35.	0.8	7
10	Atrial fibrillation substrate development before, during and after cardiac surgery: Who is to blame for late post-operative atrial fibrillation?. International Journal of Cardiology, 2022, , .	0.8	0
11	Dynamics of Atrial Fibrillation Mechanisms and Comorbidities. Annual Review of Physiology, 2021, 83, 83-106.	5.6	40
12	Electrophysiological effects of ranolazine in a goat model of lone atrial fibrillation. Heart Rhythm, 2021, 18, 615-622.	0.3	1
13	Chronic obstructive pulmonary disease and atrial fibrillation: an interdisciplinary perspective. European Heart Journal, 2021, 42, 532-540.	1.0	46
14	Repeated exposure to transient obstructive sleep apneaâ€“related conditions causes an atrial fibrillation substrate in a chronic rat model. Heart Rhythm, 2021, 18, 455-464.	0.3	26
15	Left Atrial Appendage Electrical Isolation Reduces Atrial Fibrillation Recurrences. Circulation: Arrhythmia and Electrophysiology, 2021, 14, e009230.	2.1	6
16	Noninvasive Assessment of Spatio-Temporal Recurrence in Atrial Fibrillation. , 2021, , .		0
17	Short Pâ€Wave Duration is a Marker of Higher Rate of Atrial Fibrillation Recurrences after Pulmonary Vein Isolation: New Insights into the Pathophysiological Mechanisms Through Computer Simulations. Journal of the American Heart Association, 2021, 10, e018572.	1.6	10
18	Inhibition of Small-Conductance Calcium-Activated Potassium Current (IK,Ca) Leads to Differential Atrial Electrophysiological Effects in a Horse Model of Persistent Atrial Fibrillation. Frontiers in Physiology, 2021, 12, 614483.	1.3	9

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19	Bi-atrial high-density mapping reveals inhibition of wavefront turning and reduction of complex propagation patterns as main antiarrhythmic mechanisms of vernakalant. Europace, 2021, 23, 1114-1123.	0.7	2
20	Synergistic antiarrhythmic effect of inward rectifier current inhibition and pulmonary vein isolation in a 3D computer model for atrial fibrillation. Europace, 2021, 23, i161-i168.	0.7	5
21	Pulmonary vein isolation in a real-world population does not influence QTc interval. Europace, 2021, 23, i48-i54.	0.7	6
22	Automatic reconstruction of the left atrium activation from sparse intracardiac contact recordings by inverse estimate of fibre structure and anisotropic conduction in a patient-specific model. Europace, 2021, 23, i63-i70.	0.7	5
23	Incidence, prevalence, and trajectories of repetitive conduction patterns in human atrial fibrillation. Europace, 2021, 23, i123-i132.	0.7	4
24	Both beat-to-beat changes in RR-interval and left ventricular filling time determine ventricular function during atrial fibrillation. Europace, 2021, 23, i21-i28.	0.7	11
25	A Computational Study of the Effects of Tachycardia-Induced Remodeling on Calcium Wave Propagation in Rabbit Atrial Myocytes. Frontiers in Physiology, 2021, 12, 651428.	1.3	4
26	No antiarrhythmic effect of direct oral anticoagulants versus vitamin K antagonists in paroxysmal atrial fibrillation patients undergoing catheter ablation. International Journal of Cardiology, 2021, 331, 106-108.	0.8	0
27	Role of pre-operative transthoracic echocardiography in predicting post-operative atrial fibrillation after cardiac surgery: a systematic review of the literature and meta-analysis. Europace, 2021, 23, 1731-1743.	0.7	12
28	From translation to integration: how to approach the complexity of atrial fibrillation mechanisms. Cardiovascular Research, 2021, 117, e88-e90.	1.8	5
29	Effective termination of atrial fibrillation by SK channel inhibition is associated with a sudden organization of fibrillatory conduction. Europace, 2021, 23, 1847-1859.	0.7	9
30	The relation between the atrial blood supply and the complexity of acute atrial fibrillation. IJC Heart and Vasculature, 2021, 34, 100794.	0.6	2
31	Does pulmonary vein isolation prolong QT-interval?â€" Authorsâ€™ reply. Europace, 2021, 23, 2046-2047.	0.7	0
32	Understanding the effects of heart beat irregularity on ventricular function in human atrial fibrillation: simulation models may help to untie the knotâ€"Authorsâ€™ reply. Europace, 2021, 23, 1869.	0.7	0
33	Corrected QT interval prolongation after ganglionated plexus ablation: myth or reality?â€"Authorsâ€™ reply. Europace, 2021, 23, 2047-2048.	0.7	0
34	Clinical and electrophysiological predictors of device-detected new-onset atrial fibrillation during 3 years after cardiac surgery. Europace, 2021, 23, 1922-1930.	0.7	12
35	Feasibility of digital atrial fibrillation screening in an elderly population. Herzschrittmachertherapie Und Elektrophysiologie, 2021, 32, 346-352.	0.3	0
36	Increased fibroblast accumulation in the equine heart following persistent atrial fibrillation. IJC Heart and Vasculature, 2021, 35, 100842.	0.6	5

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37	Clinical utility of rhythm control by electrical cardioversion to assess the association between self-reported symptoms and rhythm status in patients with persistent atrial fibrillation. IJC Heart and Vasculature, 2021, 36, 100870.	0.6	6
38	Evolutionarily conserved transcriptional landscape of the heart defining the chamber specific physiology. Genomics, 2021, 113, 3782-3792.	1.3	1
39	Dynamic risk assessment to improve quality of care in patients with atrial fibrillation: the 7th AFNET/EHRA Consensus Conference. Europace, 2021, 23, 329-344.	0.7	38
40	Paradigm shifts in electrophysiological mechanisms of atrial fibrillation. Europace, 2021, 23, ii9-ii13.	0.7	11
41	Atrial function in paroxysmal AF patients with and without heart failure with preserved ejection fraction: data from the AF-RISK study. American Heart Journal, 2021, 244, 36-41.	1.2	0
42	Coagulation Factor Xa Induces Proinflammatory Responses in Cardiac Fibroblasts via Activation of Protease-Activated Receptor-1. Cells, 2021, 10, 2958.	1.8	5
43	Considerations for the Assessment of Substrates, Genetics and Risk Factors in Patients with Atrial Fibrillation. Arrhythmia and Electrophysiology Review, 2021, 10, 132-139.	1.3	1
44	Electrophysiological Consequences of Cardiac Fibrosis. Cells, 2021, 10, 3220.	1.8	28
45	Thrombin generation by calibrated automated thrombography in goat plasma: Optimization of an assay. Research and Practice in Thrombosis and Haemostasis, 2021, 5, e12620.	1.0	1
46	High Coverage and High-Resolution Mapping of Repetitive Patterns During Atrial Fibrillation. , 2021, , .		0
47	Spatial Relationship Between Atrial Fibrillation Drivers and the Presence of Repetitive Conduction Patterns Using Recurrence Analysis on In-Silico Models. , 2021, , .		0
48	Body-Surface Atrial Vector Similarity as a New Way to Investigate Atrial Fibrillation Propagation Dynamics. , 2021, , .		0
49	Body-Surface Atrial Signals Analysis Based on Spatial Frequency Distribution: Comparison Between Different Signal Transformations. , 2021, , .		0
50	State Space Embedding of Atrial Electrograms to Detect Repetitive Conduction Patterns During Atrial Fibrillation. , 2021, 2021, 508-511.		0
51	New-onset perioperative atrial fibrillation in cardiac surgery patients: transient trouble or persistent problem?â€”Authorsâ€™ reply. Europace, 2021, , .	0.7	0
52	Changes in quality of life, cognition and functional status following catheter ablation of atrial fibrillation. Heart, 2020, 106, 1919-1926.	1.2	17
53	Predictors of recurrence of atrial fibrillation within the first 3 months after ablation. Europace, 2020, 22, 1337-1344.	0.7	21
54	Acute hyperglycaemia is not associated with the development of atrial fibrillation in healthy pigs. Scientific Reports, 2020, 10, 11881.	1.6	4

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55	Early Rhythm-Control Therapy in Patients with Atrial Fibrillation. New England Journal of Medicine, 2020, 383, 1305-1316.	13.9	1,071
56	A Novel Tool for the Identification and Characterization of Repetitive Patterns in High-Density Contact Mapping of Atrial Fibrillation. Frontiers in Physiology, 2020, 11, 570118.	1.3	12
57	A Novel Computational Model of the Rabbit Atrial Cardiomyocyte With Spatial Calcium Dynamics. Frontiers in Physiology, 2020, 11, 556156.	1.3	4
58	Pharmacological inhibition of sodium-proton-exchanger subtype 3-mediated sodium absorption in the gut reduces atrial fibrillation susceptibility in obese spontaneously hypertensive rats. IJC Heart and Vasculature, 2020, 28, 100534.	0.6	4
59	A novel framework for noninvasive analysis of short-term atrial activity dynamics during persistent atrial fibrillation. Medical and Biological Engineering and Computing, 2020, 58, 1933-1945.	1.6	6
60	Epicardial Fibrosis Explains Increased Endoâ€“Epicardial Dissociation and Epicardial Breakthroughs in Human Atrial Fibrillation. Frontiers in Physiology, 2020, 11, 68.	1.3	48
61	Sex differences in catheter ablation of atrial fibrillation: results from AXAFA-AFNET 5. Europace, 2020, 22, 1026-1035.	0.7	26
62	Cardiomyocyte calcium handling in health and disease: Insights from inÂvitro and in silico studies. Progress in Biophysics and Molecular Biology, 2020, 157, 54-75.	1.4	69
63	Temporal patterns and short-term progression of paroxysmal atrial fibrillation: data from RACE V. Europace, 2020, 22, 1162-1172.	0.7	35
64	The Acetylcholine-Activated Potassium Current Inhibitor XAF-1407 Terminates Persistent Atrial Fibrillation in Goats. Frontiers in Pharmacology, 2020, 11, 608410.	1.6	10
65	Effect of selective I_{K,ACh} inhibition by XAFâ€1407 in an equine model of tachypacingâ€induced persistent atrial fibrillation. British Journal of Pharmacology, 2020, 177, 3778-3794.	2.7	26
66	Cathepsin A Mediates Ventricular RemoteÂRemodeling and Atrial Cardiomyopathy in Rats With VentricularÂIschemia/Reperfusion. JACC Basic To Translational Science, 2019, 4, 332-344.	1.9	10
67	Development and external validation of predictive models for prevalent and recurrent atrial fibrillation: a protocol for the analysis of the CATCH ME combined dataset. BMC Cardiovascular Disorders, 2019, 19, 120.	0.7	10
68	Vascular Calcification and not Arrhythmia in Idiopathic Atrial Fibrillation Associates with Sex Differences in Diabetic Microvascular Injury miRNA Profiles. MicroRNA (Shariqah, United Arab) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 217	0.6	10
69	Nightly sleep apnea severity in patients with atrial fibrillation: Potential applications of long-term sleep apnea monitoring. IJC Heart and Vasculature, 2019, 24, 100424.	0.6	32
70	Role of autonomic nervous system in atrial fibrillation. International Journal of Cardiology, 2019, 287, 181-188.	0.8	95
71	The Atrial Phenotype of the Inherited Primary Arrhythmia Syndromes. Arrhythmia and Electrophysiology Review, 2019, 8, 42-46.	1.3	1
72	European Society of Cardiology smartphone and tablet applications for patients with atrial fibrillation and their health care providers. Europace, 2018, 20, 225-233.	0.7	97

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73	Opportunities and challenges of large-scale screening for atrial fibrillation. Herzschrittmachertherapie Und Elektrophysiologie, 2018, 29, 57-61.	0.3	4
74	Concealed abnormal atrial phenotype in patients with Brugada syndrome and no history of atrial fibrillation. International Journal of Cardiology, 2018, 253, 66-70.	0.8	10
75	Integrating new approaches to atrial fibrillation management: the 6th AFNET/EHRA Consensus Conference. Europace, 2018, 20, 395-407.	0.7	95
76	Apixaban in patients at risk of stroke undergoing atrial fibrillation ablation. European Heart Journal, 2018, 39, 2942-2955.	1.0	181
77	The electrocardiogram as a predictor of successful pharmacological cardioversion and progression of atrial fibrillation. Europace, 2018, 20, e96-e104.	0.7	17
78	Vernakalant does not alter early repolarization or contractility in normal and electrically remodelled atria. Europace, 2018, 20, 140-148.	0.7	3
79	The Biomarkers NT-proBNP and CA-125 are Elevated in Patients with Idiopathic Atrial Fibrillation. Journal of Atrial Fibrillation, 2018, 11, 2058.	0.5	13
80	Beat-to-beat P-wave morphological variability in patients with paroxysmal atrial fibrillation: anin silicostudy. Europace, 2018, 20, iii26-iii35.	0.7	13
81	Effect of Na+-channel blockade on the three-dimensional substrate of atrial fibrillation in a model of endo-epicardial dissociation and transmural conduction. Europace, 2018, 20, iii69-iii76.	0.7	3
82	Loss of Side-to-Side Connections Affects the Relative Contributions of the Sodium and Calcium Current to Transverse Propagation Between Strands of Atrial Myocytes. Frontiers in Physiology, 2018, 9, 1212.	1.3	6
83	Rotors Detected by Phase Analysis of Filtered, Epicardial Atrial Fibrillation Electrograms Colocalize With Regions of Conduction Block. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e005858.	2.1	51
84	Arterial hypertension drives arrhythmia progression via specific structural remodeling in a porcine model of atrial fibrillation. Heart Rhythm, 2018, 15, 1328-1336.	0.3	19
85	Stationary Atrial Fibrillation Properties in the Goat Do Not Entail Stable or Recurrent Conduction Patterns. Frontiers in Physiology, 2018, 9, 947.	1.3	19
86	How disruption of endo-epicardial electrical connections enhances endo-epicardial conduction during atrial fibrillation. Europace, 2017, 19, euv445.	0.7	21
87	Identification of Rotors during Human Atrial Fibrillation Using Contact Mapping and Phase Singularity Detection: Technical Considerations. IEEE Transactions on Biomedical Engineering, 2017, 64, 310-318.	2.5	100
88	Hypercoagulability causes atrial fibrosis and promotes atrial fibrillation. European Heart Journal, 2017, 38, 38-50.	1.0	131
89	Pathophysiology of Paroxysmal and Persistent Atrial Fibrillation: Rotors, Foci and Fibrosis. Heart Lung and Circulation, 2017, 26, 887-893.	0.2	104
90	Rationale and design of AXAFA-AFNET 5: an investigator-initiated, randomized, open, blinded outcome assessment, multi-centre trial to comparing continuous apixaban to vitamin K antagonists in patients undergoing atrial fibrillation catheter ablation. Europace, 2017, 19, 132-138.	0.7	32

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91	2016 ESC Guidelines for the Management of Atrial Fibrillation Developed in Collaboration With EACTS. Revista Espanola De Cardiologia (English Ed), 2017, 70, 50.	0.4	280
92	Concomitant Obesity and Metabolic Syndrome Add to the Atrial Arrhythmogenic Phenotype in Male Hypertensive Rats. Journal of the American Heart Association, 2017, 6, .	1.6	42
93	Spurious Rotor Detection During Atrial Fibrillation: Phase Singularities in Fact Reflect Blurred Conduction Block. , 2017, , .		0
94	Local Electrical Dyssynchrony during Atrial Fibrillation: Theoretical Considerations and Initial Catheter Ablation Results. PLoS ONE, 2016, 11, e0164236.	1.1	9
95	P-wave complexity in normal subjects and computer models. Journal of Electrocardiology, 2016, 49, 545-553.	0.4	14
96	2016 ESC Guidelines for the management of atrial fibrillation developed in collaboration with EACTS. European Journal of Cardio-thoracic Surgery, 2016, 50, e1-e88.	0.6	754
97	Current controversies in determining the main mechanisms of atrial fibrillation. Journal of Internal Medicine, 2016, 279, 428-438.	2.7	76
98	2016 ESC Guidelines for the management of atrial fibrillation developed in collaboration with EACTS. European Heart Journal, 2016, 37, 2893-2962.	1.0	5,689
99	2016 ESC Guidelines for the management of atrial fibrillation developed in collaboration with EACTS. Europace, 2016, 18, 1609-1678.	0.7	3,523
100	Up-regulation of miR-31 in human atrial fibrillation begets the arrhythmia by depleting dystrophin and neuronal nitric oxide synthase. Science Translational Medicine, 2016, 8, 340ra74.	5.8	68
101	Cathepsin A mediates susceptibility to atrial tachyarrhythmia and impairment of atrial emptying function in Zucker diabetic fatty rats. Cardiovascular Research, 2016, 110, 371-380.	1.8	29
102	Systematic analysis of ECG predictors of sinus rhythm maintenance after electrical cardioversion for persistent atrial fibrillation. Heart Rhythm, 2016, 13, 1020-1027.	0.3	20
103	Defining the major health modifiers causing atrial fibrillation: a roadmap to underpin personalized prevention and treatment. Nature Reviews Cardiology, 2016, 13, 230-237.	6.1	122
104	Atrial metabolism and tissue perfusion as determinants of electrical and structural remodelling in atrial fibrillation. Cardiovascular Research, 2016, 109, 527-541.	1.8	59
105	Atrial Fibrillation Complexity Parameters Derived From Surface ECGs Predict Procedural Outcome and Long-Term Follow-Up of Stepwise Catheter Ablation for Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2016, 9, e003354.	2.1	44
106	Antiarrhythmic effect of vernakalant in electrically remodeled goat atria is caused by slowing of conduction and prolongation of postrepolarization refractoriness. Heart Rhythm, 2016, 13, 964-972.	0.3	15
107	Novel mechanisms in the pathogenesis of atrial fibrillation: practical applications. European Heart Journal, 2016, 37, 1573-1581.	1.0	137
108	A roadmap to improve the quality of atrial fibrillation management: proceedings from the fifth Atrial Fibrillation Network/European Heart Rhythm Association consensus conference. Europace, 2016, 18, 37-50.	0.7	121

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109	Electrogram coupling as a measure of local conduction during atrial fibrillation. , 2015, , .		1
110	Far-field effect in unipolar electrograms recorded from epicardial and endocardial surface: Quantification of epi-endo dissociation during atrial Fibrillation in Humans. , 2015, , .		0
111	Systematic comparison of non-invasive measures for the assessment of atrial fibrillation complexity: a step forward towards standardization of atrial fibrillation electrogram analysis. Europace, 2015, 17, 318-325.	0.7	20
112	Opportunities and challenges of current electrophysiology research: a plea to establish 'translational electrophysiology' curricula. Europace, 2015, 17, 825-833.	0.7	13
113	Recurrence quantification analysis applied to spatiotemporal pattern analysis in high-density mapping of human atrial fibrillation. , 2015, 2015, 7704-7.		8
114	Far-field effect in unipolar electrograms revisited: High-density mapping of atrial fibrillation in humans. , 2015, 2015, 5680-3.		5
115	Indices of bipolar complex fractionated atrial electrograms correlate poorly with each other and atrial fibrillation substrate complexity. Heart Rhythm, 2015, 12, 1415-1423.	0.3	52
116	Early subcellular Ca2+ remodelling and increased propensity for Ca2+ alternans in left atrial myocytes from hypertensive rats. Cardiovascular Research, 2015, 106, 87-97.	1.8	45
117	Catheter-Based Renal Denervation Reduces Atrial Nerve Sprouting and Complexity of Atrial Fibrillation in Goats. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 466-474.	2.1	61
118	Dynamic regulation of atrial coronary blood flow in healthy adult pigs. Heart Rhythm, 2015, 12, 991-1000.	0.3	9
119	Evaluation of the role of miR-31-dependent reduction in dystrophin and nNOS on atrial-fibrillation-induced electrical remodelling in man. Lancet, The, 2015, 385, S82.	6.3	12
120	The European Network for Translational Research in Atrial Fibrillation (EUTRAF): objectives and initial results. Europace, 2015, 17, 1457-1466.	0.7	8
121	Reconstruction of Instantaneous Phase of Unipolar Atrial Contact Electrogram Using a Concept of Sinusoidal Recomposition and Hilbert Transform. IEEE Transactions on Biomedical Engineering, 2015, 62, 296-302.	2.5	144
122	Effects of renal denervation on atrial arrhythmogenesis. Future Cardiology, 2014, 10, 813-822.	0.5	5
123	Atrial supplyâ€“demand balance in healthy adult pigs: coronary blood flow, oxygen extraction, and lactate production during acute atrial fibrillation. Cardiovascular Research, 2014, 101, 9-19.	1.8	33
124	Application of phase coherence in assessment of spatial alignment of electrodes during simultaneous endocardial-epicardial direct contact mapping of atrial fibrillation. Europace, 2014, 16, iv135-iv140.	0.7	3
125	The mechanical fibrillation pattern of the atrial myocardium is associated with acute and long-term success of electrical cardioversion in patients with persistent atrial fibrillation. Heart Rhythm, 2014, 11, 1514-1521.	0.3	7
126	Lone Atrial Fibrillation. Journal of the American College of Cardiology, 2014, 63, 1715-1723.	1.2	177

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127	Pleiotropic effects of factor Xa and thrombin: what to expect from novel anticoagulants. Cardiovascular Research, 2014, 101, 344-351.	1.8	108
128	Clinical correlates of echocardiographic tissue velocity imaging abnormalities of the left atrial wall during atrial fibrillation. Europace, 2014, 16, 1546-1553.	0.7	13
129	Role of endo-epicardial dissociation of electrical activity and transmural conduction in the development of persistent atrial fibrillation. Progress in Biophysics and Molecular Biology, 2014, 115, 173-185.	1.4	75
130	Renal denervation: effects on atrial electrophysiology and arrhythmias. Clinical Research in Cardiology, 2014, 103, 765-774.	1.5	35
131	Tissue velocity imaging of the left atrium predicts response to flecainide in patients with acute atrial fibrillation. Heart Rhythm, 2014, 11, 478-484.	0.3	9
132	A prospective randomized controlled trial on the incidence and predictors of late-phase postoperative atrial fibrillation up to 30 days and the preventive value of biatrial pacing. Heart Rhythm, 2014, 11, 1156-1162.	0.3	31
133	The ECG as a tool to determine atrial fibrillation complexity. Heart, 2014, 100, 1077-1084.	1.2	45
134	Tachycardia-induced silencing of subcellular Ca2+ signaling in atrial myocytes. Journal of Clinical Investigation, 2014, 124, 4759-4772.	3.9	114
135	Overexpression of cAMP-response element modulator causes abnormal growth and development of the atrial myocardium resulting in a substrate for sustained atrial fibrillation in mice. International Journal of Cardiology, 2013, 166, 366-374.	0.8	57
136	Effects of Electrical Stimulation of Carotid Baroreflex and Renal Denervation on Atrial Electrophysiology. Journal of Cardiovascular Electrophysiology, 2013, 24, 1028-1033.	0.8	44
137	Personalized management of atrial fibrillation: Proceedings from the fourth Atrial Fibrillation competence NETwork/European Heart Rhythm Association consensus conference. Europace, 2013, 15, 1540-1556.	0.7	125
138	Effect of Renal Denervation on Neurohumoral Activation Triggering Atrial Fibrillation in Obstructive Sleep Apnea. Hypertension, 2013, 62, 767-774.	1.3	124
139	Renal Sympathetic Denervation Provides Ventricular Rate Control But Does Not Prevent Atrial Electrical Remodeling During Atrial Fibrillation. Hypertension, 2013, 61, 225-231.	1.3	108
140	Dynamic remodeling of intracellular Ca2+ signaling during atrial fibrillation. Journal of Molecular and Cellular Cardiology, 2013, 58, 134-142.	0.9	46
141	ActualizaciÃ³n detallada de las guÃas de la ESC para el manejo de la fibrilaciÃ³n auricular de 2012. Revista Espanola De Cardiologia, 2013, 66, 54.e1-54.e24.	0.6	14
142	Rearrangement of Atrial Bundle Architecture and Consequent Changes in Anisotropy of Conduction Constitute the 3-Dimensional Substrate for Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2013, 6, 967-975.	2.1	67
143	Loss of Continuity in the Thin Epicardial Layer Because of Endomysial Fibrosis Increases the Complexity of Atrial Fibrillatory Conduction. Circulation: Arrhythmia and Electrophysiology, 2013, 6, 202-211.	2.1	104
144	Transmural Conduction Is the Predominant Mechanism of Breakthrough During Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2013, 6, 334-341.	2.1	146

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145	Catheter Ablation Targeting Complex Fractionated Atrial Electrogram in Atrial Fibrillation. Journal of Atrial Fibrillation, 2013, 6, 907.	0.5	8
146	Transient Receptor Potential Canonical-3 Channelâ€"Dependent Fibroblast Regulation in Atrial Fibrillation. Circulation, 2012, 126, 2051-2064.	1.6	228
147	Renal Sympathetic Denervation Suppresses Postapneic Blood Pressure Rises and Atrial Fibrillation in a Model for Sleep Apnea. Hypertension, 2012, 60, 172-178.	1.3	213
148	A computer model of endo-epicardial electrical dissociation and transmural conduction during atrial fibrillation. Europace, 2012, 14, v10-v16.	0.7	32
149	Post-operative atrial fibrillation: a maze of mechanisms. Europace, 2012, 14, 159-174.	0.7	322
150	Resolving the Three-Dimensional Histology of the Heart. Lecture Notes in Computer Science, 2012, , 2-16.	1.0	3
151	Rotors and breakthroughs as three-dimensional perpetuators of atrial fibrillation. Cardiovascular Research, 2012, 94, 8-9.	1.8	3
152	Comprehensive risk reduction in patients with atrial fibrillation: emerging diagnostic and therapeutic options--a report from the 3rd Atrial Fibrillation Competence NETwork/European Heart Rhythm Association consensus conference. Europace, 2012, 14, 8-27.	0.7	193
153	Idiopathic atrial fibrillation revisited in a large longitudinal clinical cohort. Europace, 2012, 14, 184-190.	0.7	39
154	The need for standardization of time- and frequency-domain analysis of body surface electrocardiograms for assessment of the atrial fibrillation substrate. Europace, 2012, 14, 1072-1075.	0.7	24
155	The European Network for Translational Research in Atrial Fibrillation. Clinical Investigation, 2012, 2, 1061-1067.	0.0	0
156	2012 focused update of the ESC Guidelines for the management of atrial fibrillation. Europace, 2012, 14, 1385-1413.	0.7	2,319
157	2012 focused update of the ESC Guidelines for the management of atrial fibrillation. European Heart Journal, 2012, 33, 2719-2747.	1.0	3,144
158	Stability of Complex Fractionated Atrial Electrograms: A Systematic Review. Journal of Cardiovascular Electrophysiology, 2012, 23, 980-987.	0.8	41
159	Mechanoelectrical coupling enhances initiation and affects perpetuation of atrial fibrillation during acute atrial dilation. Heart Rhythm, 2011, 8, 429-436.	0.3	43
160	Combined blockade of early and late activated atrial potassium currents suppresses atrial fibrillation in a pig model of obstructive apnea. Heart Rhythm, 2011, 8, 1933-1939.	0.3	39
161	Negative tracheal pressure during obstructive respiratory events promotes atrial fibrillation by vagal activation. Heart Rhythm, 2011, 8, 1436-1443.	0.3	214
162	Comprehensive risk reduction in patients with atrial fibrillation: Emerging diagnostic and therapeutic options. Thrombosis and Haemostasis, 2011, 106, 1012-1019..	1.8	81

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163	Corrigendum to: â€˜Guidelines for the management of atrial fibrillationâ€™ [European Heart Journal (2010) 31, 2369â€“2429 and EP-Europace (2010) 12, 1360â€“1420]. European Heart Journal, 2011, 32, 1172-1172.	1.0	133
164	Atrial Sources of Reactive Oxygen Species Vary With the Duration and Substrate of Atrial Fibrillation. Circulation, 2011, 124, 1107-1117.	1.6	197
165	PITX2c Is Expressed in the Adult Left Atrium, and Reducing Pitx2c Expression Promotes Atrial Fibrillation Inducibility and Complex Changes in Gene Expression. Circulation: Cardiovascular Genetics, 2011, 4, 123-133.	5.1	267
166	Time course and mechanisms of endo-epicardial electrical dissociation during atrial fibrillation in the goat. Cardiovascular Research, 2011, 89, 816-824.	1.8	141
167	Alterations of atrial Ca2+ handling as cause and consequence of atrial fibrillation. Cardiovascular Research, 2011, 89, 722-733.	1.8	74
168	Leaky ryanodine receptors in the failing heart: the root of all evil?. Cardiovascular Research, 2011, 90, 399-401.	1.8	3
169	Is NOS uncoupling the missing link between atrial fibrillation and chronic non-ischaemic cardiomyopathy?. Cardiovascular Research, 2011, 91, 556-556.	1.8	5
170	Pathophysiological Mechanisms of Atrial Fibrillation: A Translational Appraisal. Physiological Reviews, 2011, 91, 265-325.	13.1	1,048
171	Electropathological Substrate of Long-Standing Persistent Atrial Fibrillation in Patients With Structural Heart Disease. Circulation: Arrhythmia and Electrophysiology, 2010, 3, 606-615.	2.1	388
172	Electropathological Substrate of Longstanding Persistent Atrial Fibrillation in Patients With Structural Heart Disease. Circulation, 2010, 122, 1674-1682.	1.6	324
173	Multiple Potential Molecular Contributors to Atrial Hypocontractility Caused by Atrial Tachycardia Remodeling in Dogs. Circulation: Arrhythmia and Electrophysiology, 2010, 3, 530-541.	2.1	112
174	Fibrillatory Conduction in the Atrial Free Walls of Goats in Persistent and Permanent Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2010, 3, 590-599.	2.1	100
175	Knock-in gain-of-function sodium channel mutation prolongs atrial action potentials and alters atrial vulnerability. Heart Rhythm, 2010, 7, 1862-1869.	0.3	50
176	Guidelines for the management of atrial fibrillation: The Task Force for the Management of Atrial Fibrillation of the European Society of Cardiology (ESC). European Heart Journal, 2010, 31, 2369-2429.	1.0	4,635
177	Guidelines for the management of atrial fibrillation. Europace, 2010, 12, 1360-1420.	0.7	1,360
178	Early and comprehensive management of atrial fibrillation: Proceedings from the 2nd AFNET/EHRA consensus conference on atrial fibrillation entitled 'research perspectives in atrial fibrillation'. Europace, 2009, 11, 860-885.	0.7	104
179	The angiotensinâ€“calcineurinâ€“NFAT pathway mediates stretch-induced up-regulation of matrix metalloproteinases-2/-9 in atrial myocytes. Basic Research in Cardiology, 2009, 104, 435-448.	2.5	69
180	Effects of Intrapericardial Sotalol and Flecainide on Transmural Atrial Electrophysiology and Atrial Fibrillation. Journal of Cardiovascular Electrophysiology, 2009, 20, 207-215.	0.8	19

#	Article	IF	Citations
181	Atrial Fibrillatory Wall Motion and Degree of Atrial Remodeling in Patients with Atrial Fibrillation: A Tissue Velocity Imaging Study. Journal of Cardiovascular Electrophysiology, 2009, 20, 1374-1381.	0.8	12
182	Distinct contractile and molecular differences between two goat models of atrial dysfunction: AV block-induced atrial dilatation and atrial fibrillation. Journal of Molecular and Cellular Cardiology, 2009, 46, 385-394.	0.9	96
183	Regulation of nerve growth factor in the heart: The role of the calcineurinâ€“NFAT pathway. Journal of Molecular and Cellular Cardiology, 2009, 46, 568-578.	0.9	47
184	Early and comprehensive management of atrial fibrillation: executive summary of the proceedings from the 2nd AFNET-EHRA consensus conference â€˜research perspectives in AFâ€™. European Heart Journal, 2009, 30, 2969-2980.	1.0	173
185	Calmodulin kinase IIâ€“mediated sarcoplasmic reticulum Ca2+ leak promotes atrial fibrillation in mice. Journal of Clinical Investigation, 2009, 119, 1940-51.	3.9	338
186	Mechanisms of perpetuation of atrial fibrillation in chronically dilated atria. Progress in Biophysics and Molecular Biology, 2008, 97, 435-451.	1.4	119
187	Blockade of atrial-specific K+-currents increases atrial but not ventricular contractility by enhancing reverse mode Na+/Ca2+-exchange. Cardiovascular Research, 2007, 73, 37-47.	1.8	56
188	Management of atrial fibrillation in patients with heart failure. European Heart Journal, 2007, 28, 2568-2577.	1.0	87
189	Pharmacological evidence for altered src kinase regulation of I Ca,L in patients with chronic atrial fibrillation. Naunyn-Schmiedeberg's Archives of Pharmacology, 2007, 375, 383-392.	1.4	68
190	To the Editorâ€”Response. Heart Rhythm, 2006, 3, 991.	0.3	0
191	Paroxysmal atrial fibrillation: Just a matter of nerves?. Heart Rhythm, 2006, 3, 209-211.	0.3	5
192	Chronic Atrial Dilation, Electrical Remodeling, and Atrial Fibrillation in the Goat. Journal of the American College of Cardiology, 2006, 47, 644-653.	1.2	85
193	Serial Cardioversion by Class IC Drugs During 4 Months of Persistent Atrial Fibrillation in the Goat. Journal of Cardiovascular Electrophysiology, 2006, 17, 648-654.	0.8	35
194	Inhibition of angiotensin II type 1 receptors reduces atrial stunning and spontaneous echo contrast after electrical cardioversion of atrial fibrillation. European Heart Journal, 2006, 27, 2034-2035.	1.0	2
195	Hypertension begets hypertrophy begets atrial fibrillation? Insights from yet another sheep model. European Heart Journal, 2006, 27, 2919-2920.	1.0	11
196	AVE0118, Blocker of the Transient Outward Current (I to) and Ultrarapid Delayed Rectifier Current (I) Tj ETQq0 0 0 rgBT /Overlock 10 T Circulation, 2006, 114, 1234-1242.	1.6	67
197	In-Vivo Models of Atrial Fibrillation. , 2005, , 129-149.		3
198	Gene Therapy for Repair of Cardiac Fibrosis. Circulation, 2005, 111, 391-393.	1.6	19

#	Article	IF	Citations
199	Development of a Substrate of Atrial Fibrillation During Chronic Atrioventricular Block in the Goat. Circulation, 2005, 111, 30-37.	1.6	97
200	Long-term changes in sequence of atrial activation and refractory periods: No evidence for â€œatrial memoryâ€• Heart Rhythm, 2005, 2, 155-161.	0.3	8
201	Loss of atrial contractility is primary cause of atrial dilatation during first days of atrial fibrillation. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H2324-H2331.	1.5	42
202	Inhibitors of the Na+/H+ Exchanger Cannot Prevent Atrial Electrical Remodeling in the Goat. Journal of Cardiovascular Electrophysiology, 2004, 15, 440-446.	0.8	13
203	Synergistic Action of Atrial Dilation and Sodium Channel Blockade on Conduction in Rabbit Atria. Journal of Cardiovascular Electrophysiology, 2004, 15, 1453-1461.	0.8	40
204	The role of atrial dilatation in the domestication of atrial fibrillation. Progress in Biophysics and Molecular Biology, 2003, 82, 151-162.	1.4	133
205	The L-type Ca2+-channel subunits Î±1C and Î²2 are not downregulated in atrial myocardium of patients with chronic atrial fibrillation. Journal of Molecular and Cellular Cardiology, 2003, 35, 437-443.	0.9	63
206	Electrical and Contractile Remodeling During the First Days of Atrial Fibrillation Go Hand in Hand. Circulation, 2003, 107, 1433-1439.	1.6	154
207	Atrial fibrillation-induced atrial contractile dysfunction: a tachycardiomyopathy of a different sort. Cardiovascular Research, 2002, 53, 192-201.	1.8	150
208	Xenon Does Not Impair the Responsiveness of Cardiac Muscle Bundles to Positive Inotropic and Chronotropic Stimulation. Anesthesiology, 2002, 96, 422-427.	1.3	33
209	Electrical, contractile and structural remodeling during atrial fibrillation. Cardiovascular Research, 2002, 54, 230-246.	1.8	1,216
210	Effect of Volatile Anesthetics on the Forceâ€“Frequency Relation in Human Ventricular Myocardium. Anesthesiology, 2001, 95, 1160-1168.	1.3	14
211	Verapamil Prevents Stretch-Induced Shortening of Atrial Effective Refractory Period in Langendorff-Perfused Rabbit Heart. Journal of Cardiovascular Electrophysiology, 2001, 12, 85-92.	0.8	32
212	Cellular Mechanisms of Depressed Atrial Contractility in Patients With Chronic Atrial Fibrillation. Circulation, 2001, 103, 691-698.	1.6	236
213	Changes of Î²-adrenergic signaling in compensated human cardiac hypertrophy depend on the underlying disease. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 278, H2076-H2083.	1.5	11
214	Reduced Myocardial Sarcoplasmic Reticulum Ca2+-ATPase Protein Expression in Compensated Primary and Secondary Human Cardiac Hypertrophy. Journal of Molecular and Cellular Cardiology, 1999, 31, 1483-1494.	0.9	22
215	Halothane, But Not Isoflurane, Impairs the Î²-adrenergic Responsiveness in Rat MyocardiumÂ. Anesthesiology, 1998, 88, 1330-1339.	1.3	17
216	Hypertrophic cardiomyopathy: A desensitized cardiac -adrenergic system in the presence of normal plasma catecholamine concentrations. Naunyn-Schmiedeberg's Archives of Pharmacology, 1995, 351, 398-407.	1.4	22

#	Article	IF	Citations
217	Pathophysiology of the Atrial Fibrillation Electrogram. , 0, , 463-474.		0
218	A Novel Biomarker Model for Detecting Patients With Atrial Fibrillation: A Development and Validation Study. SSRN Electronic Journal, 0, , .	0.4	0
219	Noninvasive Recurrence Quantification Analysis Predicts Atrial Fibrillation Recurrence in Persistent Patients Undergoing Electrical Cardioversion. , 0, , .		5
220	Noninvasive Characterization of Short- and Long-Term Recurrence of Atrial Signals During Persistent Atrial Fibrillation. , 0, , .		4
221	Acute Morphological Changes in P-Wave Morphology During Pulmonary Vein Isolation in Atrial Fibrillation Patients. , 0, , .		1
222	Epicardial Fibrosis Explains Increased Transmural Conduction in a Computer Model of Atrial Fibrillation. , 0, , .		0
223	Stationary and Recurrent Properties of Atrial Fibrillation Conduction Patterns in Goat. , 0, , .		0
224	Anatomically-Induced Fibrillation in a 3D Model of the Human Atria. , 0, , .		2
225	The Signal Averaged P-Wave Is Able to Indicate the Clinical State of Atrial Fibrillation Disease. , 0, , .		0
226	Beat-to-beat P-wave Variability Increases from Paroxysmal to Persistent Atrial Fibrillation. , 0, , .		0
227	Use of Normalized Correlation Function to Discriminate Outcome of Persistent Patients Undergoing Electrical Cardioversion. , 0, , .		2
228	Rationale and Design of the ISOLATION Study: A Multicenter Prospective Cohort Study Identifying Predictors for Successful Atrial Fibrillation Ablation in an Integrated Clinical Care and Research Pathway. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	5