Sanjiv M Narayan,, Fhrs

List of Publications by Year
in descending order

177 papers	7,390 citations	76326 40 h-index	58581 82 g-index
183 all docs	183 docs citations	183 times ranked	5136 citing authors

#	Article	IF	Citations
1	Treatment of Atrial Fibrillation by the Ablation of Localized Sources. Journal of the American College of Cardiology, 2012, 60, 628-636.	2.8	1,033
2	Microvolt T-Wave Alternans. Journal of the American College of Cardiology, 2011, 58, 1309-1324.	2.8	371
3	Ablation of Rotor and Focal Sources Reduces Late Recurrence of Atrial Fibrillation Compared With Trigger Ablation Alone. Journal of the American College of Cardiology, 2014, 63, 1761-1768.	2.8	354
4	Clinical Mapping Approach To Diagnose Electrical Rotors and Focal Impulse Sources for Human Atrial Fibrillation. Journal of Cardiovascular Electrophysiology, 2012, 23, 447-454.	1.7	305
5	T-Wave Alternans and the Susceptibility to Ventricular Arrhythmias. Journal of the American College of Cardiology, 2006, 47, 269-281.	2.8	304
6	Long-Term Follow-Up of Idiopathic Ventricular Fibrillation Ablation. Journal of the American College of Cardiology, 2009, 54, 522-528.	2.8	232
7	Deep learning for cardiovascular medicine: a practical primer. European Heart Journal, 2019, 40, 2058-2073.	2.2	218
8	Direct or Coincidental Elimination of Stable Rotors or Focal Sources May Explain Successful Atrial Fibrillation Ablation. Journal of the American College of Cardiology, 2013, 62, 138-147.	2.8	214
9	Initial Independent Outcomes from Focal Impulse and Rotor Modulation Ablation for Atrial Fibrillation: Multicenter FIRM Registry. Journal of Cardiovascular Electrophysiology, 2014, 25, 921-929.	1.7	179
10	Lone Atrial Fibrillation. Journal of the American College of Cardiology, 2014, 63, 1715-1723.	2.8	177
11	Classifying fractionated electrograms in human atrial fibrillation using monophasic action potentials and activation mapping: Evidence for localized drivers, rate acceleration, and nonlocal signal etiologies. Heart Rhythm, 2011, 8, 244-253.	0.7	172
12	Repolarization Alternans Reveals Vulnerability to Human Atrial Fibrillation. Circulation, 2011, 123, 2922-2930.	1.6	171
13	Panoramic Electrophysiological Mapping but not Electrogram Morphology Identifies Stable Sources for Human Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2013, 6, 58-67.	4.8	162
14	Alternans of Atrial Action Potentials During Atrial Flutter as a Precursor to Atrial Fibrillation. Circulation, 2002, 106, 1968-1973.	1.6	148
15	Repolarization and Activation Restitution Near Human Pulmonary Veins and Atrial Fibrillation Initiation. Journal of the American College of Cardiology, 2008, 52, 1222-1230.	2.8	135
16	Integration of novel monitoring devices with machine learning technology for scalable cardiovascular management. Nature Reviews Cardiology, 2021, 18, 75-91.	13.7	113
17	Mechanisms of Human Atrial Fibrillation Initiation. Circulation: Arrhythmia and Electrophysiology, 2012, 5, 1149-1159.	4.8	102
18	Computational Mapping Identifies Localized Mechanisms for Ablation of Atrial Fibrillation. PLoS ONE, 2012, 7, e46034.	2.5	100

#	Article	IF	Citations
19	Intracoronary Gene Transfer of Adenylyl Cyclase 6 in Patients With Heart Failure. JAMA Cardiology, 2016, 1, 163.	6.1	100
20	Action Potential Dynamics Explain Arrhythmic Vulnerability in Human Heart Failure. Journal of the American College of Cardiology, 2008, 52, 1782-1792.	2.8	96
21	Artificial Intelligence and Machine Learning in Arrhythmias and Cardiac Electrophysiology. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e007952.	4.8	96
22	Atrial Conduction Slows Immediately Before the Onset of Human Atrial Fibrillation. Journal of the American College of Cardiology, 2012, 59, 595-606.	2.8	93
23	Integrating blockchain technology with artificial intelligence for cardiovascular medicine. Nature Reviews Cardiology, 2020, 17, 1-3.	13.7	83
24	Theoretical considerations for mapping activation in human cardiac fibrillation. Chaos, 2013, 23, 023113.	2.5	79
25	T-Wave Alternans, Restitution of Human Action Potential Duration, and Outcome. Journal of the American College of Cardiology, 2007, 50, 2385-2392.	2.8	78
26	Clinical Implications of Ablation of Drivers for Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e006119.	4.8	78
27	Rhythm Control in Heart Failure Patients With Atrial Fibrillation. Journal of the American College of Cardiology, 2014, 64, 710-721.	2.8	71
28	Structural contributions to fibrillatory rotors in a patient-derived computational model of the atria. Europace, 2014, 16, iv3-iv10.	1.7	70
29	CrossTalk proposal: Rotors have been demonstrated to drive human atrial fibrillation. Journal of Physiology, 2014, 592, 3163-3166.	2.9	64
30	Stability of Rotors and Focal Sources for Human Atrial Fibrillation: Focal Impulse and Rotor Mapping (FIRM) of AF Sources and Fibrillatory Conduction. Journal of Cardiovascular Electrophysiology, 2014, 25, 1284-1292.	1.7	62
31	Synergistic Anti-arrhythmic Effects in Human Atria with Combined Use of Sodium Blockers and Acacetin. Frontiers in Physiology, 2017, 8, 946.	2.8	58
32	Mechanisms for the Termination of Atrial Fibrillation by Localized Ablation. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 1325-1333.	4.8	57
33	Two Independent Mapping Techniques Identify Rotational Activity Patterns at Sites of Local Termination During Persistent Atrial Fibrillation. Journal of Cardiovascular Electrophysiology, 2017, 28, 615-622.	1.7	57
34	Rotor Stability Separates Sustained Ventricular Fibrillation From Self-Terminating Episodes in Humans. Journal of the American College of Cardiology, 2014, 63, 2712-2721.	2.8	56
35	Treating Specialty and Outcomes in NewlyÂDiagnosed Atrial Fibrillation. Journal of the American College of Cardiology, 2017, 70, 78-86.	2.8	54
36	Human Atrial Fibrillation Initiates via Organized Rather Than Disorganized Mechanisms. Circulation: Arrhythmia and Electrophysiology, 2014, 7, 816-824.	4.8	45

#	Article	IF	Citations
37	Identification and Characterization of Sites Where Persistent Atrial Fibrillation Is Terminated by Localized Ablation. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e005258.	4.8	43
38	Atrial Fibrillation Burden Signature and Near-Term Prediction of Stroke. Circulation: Cardiovascular Quality and Outcomes, 2019, 12, e005595.	2.2	43
39	New Concepts in Sudden Cardiac Arrest to AddressÂan Intractable Epidemic. Journal of the American College of Cardiology, 2019, 73, 70-88.	2.8	42
40	Comparison of Detailed and Simplified Models of Human Atrial Myocytes to Recapitulate Patient Specific Properties. PLoS Computational Biology, 2016, 12, e1005060.	3.2	42
41	Evaluating Fluctuations in Human Atrial Fibrillatory Cycle Length Using Monophasic Action Potentials. PACE - Pacing and Clinical Electrophysiology, 2006, 29, 1209-1218.	1.2	41
42	Using Electrocardiographic Activation Time and Diastolic Intervals to Separate Focal From Macroâ€"Re-Entrant Atrial Tachycardias. Journal of the American College of Cardiology, 2007, 49, 1965-1973.	2.8	37
43	Mechanistically based mapping of human cardiac fibrillation. Journal of Physiology, 2016, 594, 2399-2415.	2.9	37
44	Demonstration of the Proarrhythmic Preconditioning of Single Premature Extrastimuli by Use of the Magnitude, Phase, and Distribution of Repolarization Alternans. Circulation, 1999, 100, 1887-1893.	1.6	35
45	Separating Atrial Flutter From Atrial Fibrillation With Apparent Electrocardiographic Organization Using Dominant and Narrow F-Wave Spectra. Journal of the American College of Cardiology, 2005, 46, 2079-2087.	2.8	35
46	Modifying Ventricular Fibrillation by Targeted Rotor Substrate Ablation: Proofâ€ofâ€Concept from Experimental Studies to Clinical VF. Journal of Cardiovascular Electrophysiology, 2015, 26, 1117-1126.	1.7	35
47	Machine Learning to Classify Intracardiac Electrical Patterns During Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e008160.	4.8	35
48	Machine Learned Cellular Phenotypes in Cardiomyopathy Predict Sudden Death. Circulation Research, 2021, 128, 172-184.	4.5	35
49	Interaction of Localized Drivers and Disorganized Activation in Persistent Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e005846.	4.8	33
50	Predicting Atrial Fibrillation Recurrence by Combining Population Data and Virtual Cohorts of Patient-Specific Left Atrial Models. Circulation: Arrhythmia and Electrophysiology, 2022, 15, CIRCEP121010253.	4.8	32
51	Centrifugal Gradients of Rate and Organization in Human Atrial Fibrillation. PACE - Pacing and Clinical Electrophysiology, 2009, 32, 1366-1378.	1.2	31
52	Targeted Ablation at Stable Atrial Fibrillation Sources Improves Success Over Conventional Ablation in High-Risk Patients: A Substudy of the CONFIRM Trial. Canadian Journal of Cardiology, 2013, 29, 1218-1226.	1.7	27
53	The role of rotors in atrial fibrillation. Journal of Thoracic Disease, 2015, 7, 142-51.	1.4	27
54	Frequency Analysis of Atrial Action Potential Alternans. Circulation: Arrhythmia and Electrophysiology, 2013, 6, 859-867.	4.8	26

#	Article	IF	Citations
55	Rotors as Drivers of Atrial Fibrillation and Targets for Ablation. Current Cardiology Reports, 2014, 16, 509.	2.9	26
56	Early temporal and spatial regularization of persistent atrial fibrillation predicts termination and arrhythmia-free outcome. Heart Rhythm, 2011, 8, 1374-1382.	0.7	25
57	The precise timing of tachycardia entrainment is determined by the postpacing interval, the tachycardia cycle length, and the pacing rate: Theoretical insights and practical applications. Heart Rhythm, 2016, 13, 695-703.	0.7	24
58	Transparent sharing of digital health data: A call to action. Heart Rhythm, 2019, 16, e95-e106.	0.7	24
59	Secular trends in success rate of catheter ablation for atrial fibrillation: The SMASH-AF cohort. American Heart Journal, 2019, 208, 110-119.	2.7	24
60	Populations of in silico myocytes and tissues reveal synergy of multiatrial–predominant K^+–current block in atrial fibrillation. British Journal of Pharmacology, 2020, 177, 4497-4515.	5.4	23
61	Noninvasive Assessment of Complexity of Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e007700.	4.8	23
62	Rotor mapping and ablation to treat atrial fibrillation. Current Opinion in Cardiology, 2015, 30, 24-32.	1.8	22
63	Separating non-isthmus- from isthmus-dependent atrial flutter using wavefront variability. Journal of the American College of Cardiology, 2005, 45, 1269-1279.	2.8	20
64	Steep restitution of ventricular action potential duration and conduction slowing in human Brugada syndrome. Heart Rhythm, 2007, 4, 1087-1089.	0.7	20
65	Accurate ECG Diagnosis of Atrial Tachyarrhythmias Using Quantitative Analysis: A Prospective Diagnostic and Cost–Effectiveness Study. Journal of Cardiovascular Electrophysiology, 2010, 21, 1251-1259.	1.7	20
66	Mapping and ablating stable sources for atrial fibrillation: summary of the literature on Focal Impulse and Rotor Modulation (FIRM). Journal of Interventional Cardiac Electrophysiology, 2014, 40, 237-244.	1.3	20
67	Comparative efficacy of stellate ganglion block with bupivacaine vs pulsed radiofrequency in a patient with refractory ventricular arrhythmias. Journal of Clinical Anesthesia, 2016, 31, 162-165.	1.6	20
68	Spatial relationship of organized rotational and focal sources in human atrial fibrillation to autonomic ganglionated plexi. International Journal of Cardiology, 2017, 240, 234-239.	1.7	20
69	Transient outward K^+ current can strongly modulate action potential duration and initiate alternans in the human atrium. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H527-H542.	3.2	20
70	Temporal and Spatial Phase Analyses of the Electrocardiogram Stratify Intra-Atrial and Intra-Ventricular Organization. IEEE Transactions on Biomedical Engineering, 2004, 51, 1749-1764.	4.2	19
71	Intermittent Atrial Tachycardia Promotes Repolarization Alternans and Conduction Slowing During Rapid Rates, and Increases Susceptibility to Atrial Fibrillation in a Free–Behaving Sheep Model. Journal of Cardiovascular Electrophysiology, 2014, 25, 418-427.	1.7	18
72	Recurrent Post-Ablation Paroxysmal Atrial Fibrillation Shares Substrates With Persistent Atrial Fibrillation. JACC: Clinical Electrophysiology, 2017, 3, 393-402.	3.2	18

#	Article	IF	Citations
73	Organized Sources Are Spatially Conserved in Recurrent Compared to Pre‐Ablation Atrial Fibrillation: Further Evidence for Non‐Random Electrical Substrates. Journal of Cardiovascular Electrophysiology, 2016, 27, 661-669.	1.7	17
74	Multicentre safety of adding Focal Impulse and Rotor Modulation (FIRM) to conventional ablation for atrial fibrillation. Europace, 2017, 19, 769-774.	1.7	17
75	Challenging the complementarity of different metrics of left atrial function: insight from a cardiomyopathy-based study. European Heart Journal Cardiovascular Imaging, 2017, 18, 1153-1162.	1.2	16
76	Ablation of Focal Impulses and Rotational Sources: What Can Be Learned from Differing Procedural Outcomes?. Current Cardiovascular Risk Reports, 2017, 11, 1.	2.0	16
77	Interpreting Activation Mapping of Atrial Fibrillation: A Hybrid Computational/Physiological Study. Annals of Biomedical Engineering, 2018, 46, 257-269.	2.5	15
78	Termination of persistent atrial fibrillation by ablating sites that control large atrial areas. Europace, 2020, 22, 897-905.	1.7	15
79	Rapid Exclusion of COVID Infection With the Artificial Intelligence Electrocardiogram. Mayo Clinic Proceedings, 2021, 96, 2081-2094.	3.0	15
80	Quantifying Intracardiac Organization of Atrial Arrhythmias Using Temporospatial Phase of the Electrocardiogram. Journal of Cardiovascular Electrophysiology, 2003, 14, 971-981.	1.7	14
81	A case of a human ventricular fibrillation rotor localized to ablation sites for scar-mediated monomorphic ventricular tachycardia. Heart Rhythm, 2013, 10, 1913-1916.	0.7	14
82	Independent mapping methods reveal rotational activation near pulmonary veins where atrial fibrillation terminates before pulmonary vein isolation. Journal of Cardiovascular Electrophysiology, 2018, 29, 687-695.	1.7	14
83	HRS Policy Statement: Clinical Cardiac Electrophysiology Fellowship Curriculum: Update 2011. Heart Rhythm, 2011, 8, 1340-1356.	0.7	13
84	Comparison of phase mapping and electrogram‐based driver mapping for catheter ablation in atrial fibrillation. PACE - Pacing and Clinical Electrophysiology, 2019, 42, 216-223.	1.2	13
85	Rebuttal from Sanjiv M. Narayan and José Jalife. Journal of Physiology, 2014, 592, 3171-3171.	2.9	12
86	Phase synchrony reveals organization in human atrial fibrillation. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H2118-H2126.	3.2	12
87	The continuous challenge of AF ablation: From foci to rotational activity. Revista Portuguesa De Cardiologia, 2017, 36, 9-17.	0.5	12
88	Geographic and racial representation and reported success rates of studies of catheter ablation for atrial fibrillation: Findings from the SMASH‐AF meta‐analysis study cohort. Journal of Cardiovascular Electrophysiology, 2018, 29, 747-755.	1.7	11
89	Urinary tract infection after catheter ablation of atrial fibrillation. PACE - Pacing and Clinical Electrophysiology, 2019, 42, 951-958.	1.2	11
90	Mechanisms Underlying AF: Triggers, Rotors, Other?. Current Treatment Options in Cardiovascular Medicine, 2015, 17, 371.	0.9	10

#	Article	IF	Citations
91	Ablation of atrial fibrillation. Trends in Cardiovascular Medicine, 2015, 25, 409-419.	4.9	10
92	The continuous challenge of AF ablation: From foci to rotational activity. Revista Portuguesa De Cardiologia (English Edition), 2017, 36, 9-17.	0.2	10
93	Efficacy of Ablation Lesion Sets in Addition to Pulmonary Vein Isolation for Paroxysmal Atrial Fibrillation: Findings From the SMASHâ€AF Metaâ€Analysis Study Cohort. Journal of the American Heart Association, 2019, 8, e009976.	3.7	10
94	Electrical Substrate Ablation for Refractory Ventricular Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2021, 14, e008868.	4.8	10
95	Rotational Drivers in Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2017, 10, .	4.8	9
96	Patient and facility variation in costs of catheter ablation for atrial fibrillation. Journal of Cardiovascular Electrophysiology, 2018, 29, 1081-1088.	1.7	9
97	Rotors and Focal Sources for Human Atrial Fibrillation. Circulation Journal, 2014, 78, 2357-2366.	1.6	8
98	Spatial relationship of sites for atrial fibrillation drivers and atrial tachycardia in patients with both arrhythmias. International Journal of Cardiology, 2017, 248, 188-195.	1.7	8
99	Wavefront Field Mapping Reveals a Physiologic Network Between Drivers Where Ablation Terminates Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e006835.	4.8	8
100	Competing risks in patients with primary prevention implantable cardioverter-defibrillators: Global Electrical Heterogeneity and Clinical Outcomes study. Heart Rhythm, 2021, 18, 977-986.	0.7	8
101	Ablation of Atrial Fibrillation Drivers. Arrhythmia and Electrophysiology Review, 2017, 6, 195.	2.4	8
102	Identifying Atrial Fibrillation Mechanisms for Personalized Medicine. Journal of Clinical Medicine, 2021, 10, 5679.	2.4	8
103	Spatiotemporal Progression of EarlyÂHuman Ventricular Fibrillation. JACC: Clinical Electrophysiology, 2017, 3, 1437-1446.	3.2	7
104	Arrhythmia Patterns in Patients on Ibrutinib. Frontiers in Cardiovascular Medicine, 2021, 8, 792310.	2.4	7
105	Determining conduction patterns on a sparse electrode grid: Implications for the analysis of clinical arrhythmias. Physical Review E, 2016, 94, 050401.	2.1	6
106	Atrial fibrillation: Can electrograms be interpreted without repolarization information?. Heart Rhythm, 2016, 13, 962-963.	0.7	6
107	Mapping and Ablation of Rotational and Focal Drivers in Atrial Fibrillation. Cardiac Electrophysiology Clinics, 2019, 11, 583-595.	1.7	6
108	Non-invasive Spatial Mapping of Frequencies in Atrial Fibrillation: Correlation With Contact Mapping. Frontiers in Physiology, 2020, 11, 611266.	2.8	6

#	Article	IF	Citations
109	Mechanistic targets for the ablation of atrial fibrillation. Global Cardiology Science & Practice, 2017, 2017, e201707.	0.4	6
110	Stochastic Termination of Spiral Wave Dynamics in Cardiac Tissue. Frontiers in Network Physiology, 2022, 2, .	1.8	6
111	Atrial fibrillation signatures on intracardiac electrograms identified by deep learning. Computers in Biology and Medicine, 2022, 145, 105451.	7.0	6
112	Ablation of Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 1303-1305.	4.8	5
113	Role of Rotors in the Ablative Therapy of Persistent Atrial Fibrillation. Arrhythmia and Electrophysiology Review, 2015, 4, 47.	2.4	5
114	Perpendicular Catheter Orientation During Papillary Muscle Ablation Results in Larger, Deeper Lesions. Journal of Cardiovascular Electrophysiology, 2022, , .	1.7	5
115	When Is Structure, Function? Revisiting an Old Concept in Atrial Fibrillation. Journal of Cardiovascular Electrophysiology, 2015, 26, 1361-1363.	1.7	4
116	Improving sudden cardiac death risk stratification by evaluating electrocardiographic measures of global electrical heterogeneity and clinical outcomes among patients with implantable cardioverter-defibrillators: rationale and design for a retrospective, multicenter, cohort study. Journal of Interventional Cardiac Electrophysiology, 2018, 52, 77-89.	1.3	4
117	Predictability in complex atrial arrhythmias: The N/Nâ€"1 algorithm to guide ablation of atrial tachycardias. Heart Rhythm, 2019, 16, 562-563.	0.7	4
118	Continuous ablation improves lesion maturation compared with intermittent ablation strategies. Journal of Cardiovascular Electrophysiology, 2020, 31, 1687-1693.	1.7	4
119	Immediate and Delayed Response of Simulated Human Atrial Myocytes to Clinically-Relevant Hypokalemia. Frontiers in Physiology, 2021, 12, 651162.	2.8	4
120	Ablating Atrial Fibrillation: Customizing Lesion Sets Guided by Rotor Mapping. Methodist DeBakey Cardiovascular Journal, 2021, 11, 76.	1.0	3
121	Electrocardiographic spatial loops indicate organization of atrial fibrillation minutes before ablation-related transitions to atrial tachycardia. Journal of Electrocardiology, 2017, 50, 307-315.	0.9	3
122	Online webinar training to analyse complex atrial fibrillation maps: A randomized trial. PLoS ONE, 2019, 14, e0217988.	2.5	3
123	Electroporation. Journal of the American College of Cardiology, 2019, 74, 327-329.	2.8	3
124	Novel threeâ€dimensional imaging approach for cryoballoon navigation and confirmation of pulmonary vein occlusion. PACE - Pacing and Clinical Electrophysiology, 2020, 43, 269-277.	1.2	3
125	Three dimensional reconstruction to visualize atrial fibrillation activation patterns on curved atrial geometry. PLoS ONE, 2021, 16, e0249873.	2.5	3
126	Highlights of the Year in JACC 2013. Journal of the American College of Cardiology, 2014, 63, 570-602.	2.8	2

#	Article	IF	Citations
127	Defining Arrhythmic Risk and Defibrillator Therapy in ARVC. Journal of the American College of Cardiology, 2014, 64, 126-128.	2.8	2
128	Characterizing Electrogram Signal Fidelity and the Effects of Signal Contamination on Mapping Human Persistent Atrial Fibrillation. Frontiers in Physiology, 2018, 9, 1232.	2.8	2
129	Re-evaluating the multiple wavelet hypothesis for atrial fibrillation. Heart Rhythm, 2020, 17, 2219-2220.	0.7	2
130	Action Potential Dynamics in Human Atrial Fibrillation. , 2020, , 333-345.		2
131	Highlights of the Year in JACC2009. Journal of the American College of Cardiology, 2010, 55, 380-407.	2.8	1
132	Highlights of the Year in JACC 2010. Journal of the American College of Cardiology, 2011, 57, 480-514.	2.8	1
133	What Tissue Does Circumferential PV Isolation Actually Modulate?. Journal of Cardiovascular Electrophysiology, 2014, 25, 119-121.	1.7	1
134	Mapping Ripples or Waves in Atrial Fibrillation?. Journal of Cardiovascular Electrophysiology, 2017, 28, 383-385.	1.7	1
135	Rotors in Human Atrial Fibrillation. , 2018, , 426-436.		1
136	Statistical guidance of VT ablation. Journal of Cardiovascular Electrophysiology, 2018, 29, 987-989.	1.7	1
137	Structurally-based electrical predictors of atrial arrhythmias. International Journal of Cardiology, 2019, 278, 151-152.	1.7	1
138	Automatic quality electrogram assessment improves phase-based reentrant activity identification in atrial fibrillation. Computers in Biology and Medicine, 2020, 117, 103593.	7.0	1
139	Moving the needle: Tissue characterization and lesion formation during infusion-needle ablation. Heart Rhythm, 2020, 17, 406-407.	0.7	1
140	Getting in Contact With AtrialÂFibrillationÂor Not. JACC: Clinical Electrophysiology, 2020, 6, 182-184.	3.2	1
141	Catheter ablation or surgery to eliminate longstanding persistent atrial fibrillation. International Journal of Cardiology, 2020, 303, 54-55.	1.7	1
142	Intra-cardiac Signatures of Atrial Arrhythmias Identified by Machine Learning and Traditional Features. Lecture Notes in Computer Science, 2021, , 671-678.	1.3	1
143	Prognostication for Sudden Cardiac Arrest Patients Achieving ROSC. Journal of the American College of Cardiology, 2021, 77, 372-374.	2.8	1
144	Reâ€interpreting complex atrial tachycardia maps using global atrial vectors. Journal of Cardiovascular Electrophysiology, 2021, 32, 1918-1920.	1.7	1

#	Article	IF	Citations
145	Three-dimensional transmural mapping to guide ventricular arrhythmia ablation. Heart Rhythm, 2021, 18, 1452-1453.	0.7	1
146	What Cannot Be Missed: Important Publications on Electrophysiology in 2019. Arrhythmia and Electrophysiology Review, 2020, 9, 4-4.	2.4	1
147	Abstract 18492: Phase Analysis Detects Human Atrial Fibrillation Sources While Classical Activation Mapping May Not: Reconciling Classical and Computational Mapping. Circulation, 2015, 132, .	1.6	1
148	Deep Neural Network Trained on Surface ECG Improves Diagnostic Accuracy of Prior Myocardial Infarction Over Q Wave Analysis. , 2021, , .		1
149	Future Directions for Mapping Atrial Fibrillation. Arrhythmia and Electrophysiology Review, 0, 11, .	2.4	1
150	Is Human Long-Standing Persistent Atrial Fibrillation More Stable Than Assumed?. JACC: Clinical Electrophysiology, 2015, 1, 25-28.	3.2	0
151	Mechanistic targets for the ablation of atrial fibrillation. Global Cardiology Science & Practice, 2015, 2015, 67.	0.4	0
152	New Mechanism-based Approaches to Ablating Persistent AF. Journal of Cardiovascular Pharmacology, 2016, 67, 1-8.	1.9	0
153	Terminating atrial fibrillation by cooling the heart. Heart Rhythm, 2016, 13, 2259-2260.	0.7	0
154	Reply. JACC: Clinical Electrophysiology, 2017, 3, 1340-1341.	3.2	0
155	Editorial commentary: What can lung transplantation teach us about the mechanisms of atrial arrhythmias?. Trends in Cardiovascular Medicine, 2018, 28, 62-63.	4.9	0
156	Integrating mapping methods for atrial fibrillation. PACE - Pacing and Clinical Electrophysiology, 2018, 41, 1286-1288.	1.2	0
157	Dielectric-based imaging and navigation of the heart. Heart Rhythm, 2019, 16, 1890-1891.	0.7	0
158	Rapid Point-by-Point PulmonaryÂVeinÂIsolation. JACC: Clinical Electrophysiology, 2019, 5, 787-788.	3.2	0
159	Response by Bhatia et al to Letter Regarding Article, â€œWavefront Field Mapping Reveals a Physiologic Network Between Drivers Where Ablation Terminates Atrial Fibrillationâ€. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e008022.	4.8	0
160	Editorial: High density mapping of atrial fibrillation sources. Journal of Cardiovascular Electrophysiology, 2019, 30, 964-965.	1.7	0
161	Ablation of Atrial Fibrillation Drivers. , 2019, , 279-291.e2.		0
162	Propagation velocity at atrial fibrillation sources: Go with the flow. International Journal of Cardiology, 2019, 286, 76-77.	1.7	0

#	Article	IF	Citations
163	The interconnected atrium: Acute impact of pulmonary vein isolation on remote atrial tissue. Journal of Cardiovascular Electrophysiology, 2020, 31, 913-914.	1.7	0
164	What Cannot Be Missed: Important Publications on Electrophysiology in 2020. Arrhythmia and Electrophysiology Review, 2021, 10, 5-6.	2.4	0
165	Editorial: Electrical and Structural Remodelling in Atrial Fibrillation: Phenotyping for Personalized Therapy. Frontiers in Physiology, 2021, 12, 697536.	2.8	0
166	Abstract 18427: Rotors and Focal Sources for Human Atrial Fibrillation Are Spatially and Temporally Stable. Circulation, 2014, 130, .	1.6	0
167	Abstract 17299: AF Drivers Where Ablation Terminates Persistent AF Fluctuate Due to Competing Drivers but Remain Anchored in Specific Locations. Circulation, 2018, 138, .	1.6	0
168	Implantable defibrillators with and without resynchronization for patients with left ventricular dysfunction. Texas Heart Institute Journal, 2005, 32, 358-61.	0.3	0
169	Thinking outside the Box: Rotor Modulation in the Treatment of Atrial Fibrillation. Journal of Atrial Fibrillation, 2013, 6, 811.	0.5	0
170	Abstract 15668: Noninvasive Mapping Can Predict Success of Ablation for Atrial Fibrillation. Circulation, 2020, 142, .	1.6	0
171	Abstract 311: Machine Learning of the Electrocardiogram to Detect Regional Structural Abnormalities of the Heart. Circulation, 2020, 142, .	1.6	0
172	Abstract 14742: Deep Learning of Intracardiac Electrograms in Atrial Arrhythmia. Circulation, 2020, 142, .	1.6	0
173	Abstract 14738: Classification of Atrial Fibrillation by Deep Learning of Electrogram Shapes versus Rate and Regularity. Circulation, 2020, 142, .	1.6	0
174	Abstract 16313: Islands of Organized 1:1 Conduction Within Atrial Fibrillation as Potential Targets for Ablation. Circulation, 2020, 142, .	1.6	0
175	What Cannot Be Missed: Important Publications on Electrophysiology in 2021. Arrhythmia and Electrophysiology Review, 2022, 11, e01.	2.4	0
176	Abstract 18526: Electrogram Amplitude is Reduced at Rotor Sites Critical to Maintenance of Human Persistent Atrial Fibrillation. Circulation, 2015, 132, .	1.6	0
177	Mapping Atrial Fibrillation After Surgical Therapy to Guide Endocardial Ablation. Circulation: Arrhythmia and Electrophysiology, 0, , .	4.8	0