

# Sanjiv M Narayan,, Fhrs

## List of Publications by Year in descending order

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177  
papers

7,390  
citations

76322

40  
h-index

58576

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

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37	Identification and Characterization of Sites Where Persistent Atrial Fibrillation Is Terminated by Localized Ablation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e005258.	4.8	43
38	Atrial Fibrillation Burden Signature and Near-Term Prediction of Stroke. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2019, 12, e005595.	2.2	43
39	New Concepts in Sudden Cardiac Arrest to Address An Intractable Epidemic. <i>Journal of the American College of Cardiology</i> , 2019, 73, 70-88.	2.8	42
40	Comparison of Detailed and Simplified Models of Human Atrial Myocytes to Recapitulate Patient Specific Properties. <i>PLoS Computational Biology</i> , 2016, 12, e1005060.	3.2	42
41	Evaluating Fluctuations in Human Atrial Fibrillatory Cycle Length Using Monophasic Action Potentials. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2006, 29, 1209-1218.	1.2	41
42	Using Electrocardiographic Activation Time and Diastolic Intervals to Separate Focal From Macro Re-Entrant Atrial Tachycardias. <i>Journal of the American College of Cardiology</i> , 2007, 49, 1965-1973.	2.8	37
43	Mechanistically based mapping of human cardiac fibrillation. <i>Journal of Physiology</i> , 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. <i>Circulation</i> , 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. <i>Journal of the American College of Cardiology</i> , 2005, 46, 2079-2087.	2.8	35
46	Modifying Ventricular Fibrillation by Targeted Rotor Substrate Ablation: Proof of Concept from Experimental Studies to Clinical VF. <i>Journal of Cardiovascular Electrophysiology</i> , 2015, 26, 1117-1126.	1.7	35
47	Machine Learning to Classify Intracardiac Electrical Patterns During Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e008160.	4.8	35
48	Machine Learned Cellular Phenotypes in Cardiomyopathy Predict Sudden Death. <i>Circulation Research</i> , 2021, 128, 172-184.	4.5	35
49	Interaction of Localized Drivers and Disorganized Activation in Persistent Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e005846.	4.8	33
50	Predicting Atrial Fibrillation Recurrence by Combining Population Data and Virtual Cohorts of Patient-Specific Left Atrial Models. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2022, 15, CIRCEP121010253.	4.8	32
51	Centrifugal Gradients of Rate and Organization in Human Atrial Fibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 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. <i>Canadian Journal of Cardiology</i> , 2013, 29, 1218-1226.	1.7	27
53	The role of rotors in atrial fibrillation. <i>Journal of Thoracic Disease</i> , 2015, 7, 142-51.	1.4	27
54	Frequency Analysis of Atrial Action Potential Alternans. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 859-867.	4.8	26

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55	Rotors as Drivers of Atrial Fibrillation and Targets for Ablation. <i>Current Cardiology Reports</i> , 2014, 16, 509.	2.9	26
56	Early temporal and spatial regularization of persistent atrial fibrillation predicts termination and arrhythmia-free outcome. <i>Heart Rhythm</i> , 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. <i>Heart Rhythm</i> , 2016, 13, 695-703.	0.7	24
58	Transparent sharing of digital health data: A call to action. <i>Heart Rhythm</i> , 2019, 16, e95-e106.	0.7	24
59	Secular trends in success rate of catheter ablation for atrial fibrillation: The SMASH-AF cohort. <i>American Heart Journal</i> , 2019, 208, 110-119.	2.7	24
60	Populations of in silico myocytes and tissues reveal synergy of multiatrial $K^{+}$ current block in atrial fibrillation. <i>British Journal of Pharmacology</i> , 2020, 177, 4497-4515.	5.4	23
61	Noninvasive Assessment of Complexity of Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e007700.	4.8	23
62	Rotor mapping and ablation to treat atrial fibrillation. <i>Current Opinion in Cardiology</i> , 2015, 30, 24-32.	1.8	22
63	Separating non-isthmus- from isthmus-dependent atrial flutter using wavefront variability. <i>Journal of the American College of Cardiology</i> , 2005, 45, 1269-1279.	2.8	20
64	Steep restitution of ventricular action potential duration and conduction slowing in human Brugada syndrome. <i>Heart Rhythm</i> , 2007, 4, 1087-1089.	0.7	20
65	Accurate ECG Diagnosis of Atrial Tachyarrhythmias Using Quantitative Analysis: A Prospective Diagnostic and Cost-Effectiveness Study. <i>Journal of Cardiovascular Electrophysiology</i> , 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). <i>Journal of Interventional Cardiac Electrophysiology</i> , 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. <i>Journal of Clinical Anesthesia</i> , 2016, 31, 162-165.	1.6	20
68	Spatial relationship of organized rotational and focal sources in human atrial fibrillation to autonomic ganglionated plexi. <i>International Journal of Cardiology</i> , 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. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H527-H542.	3.2	20
70	Temporal and Spatial Phase Analyses of the Electrocardiogram Stratify Intra-Atrial and Intra-Ventricular Organization. <i>IEEE Transactions on Biomedical Engineering</i> , 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. <i>Journal of Cardiovascular Electrophysiology</i> , 2014, 25, 418-427.	1.7	18
72	Recurrent Post-Ablation Paroxysmal Atrial Fibrillation Shares Substrates With Persistent Atrial Fibrillation. <i>JACC: Clinical Electrophysiology</i> , 2017, 3, 393-402.	3.2	18

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73	Organized Sources Are Spatially Conserved in Recurrent Compared to Preâ€Ablation Atrial Fibrillation: Further Evidence for Nonâ€Random Electrical Substrates. <i>Journal of Cardiovascular Electrophysiology</i> , 2016, 27, 661-669.	1.7	17
74	Multicentre safety of adding Focal Impulse and Rotor Modulation (FIRM) to conventional ablation for atrial fibrillation. <i>Europace</i> , 2017, 19, 769-774.	1.7	17
75	Challenging the complementarity of different metrics of left atrial function: insight from a cardiomyopathy-based study. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1153-1162.	1.2	16
76	Ablation of Focal Impulses and Rotational Sources: What Can Be Learned from Differing Procedural Outcomes?. <i>Current Cardiovascular Risk Reports</i> , 2017, 11, 1.	2.0	16
77	Interpreting Activation Mapping of Atrial Fibrillation: A Hybrid Computational/Physiological Study. <i>Annals of Biomedical Engineering</i> , 2018, 46, 257-269.	2.5	15
78	Termination of persistent atrial fibrillation by ablating sites that control large atrial areas. <i>Europace</i> , 2020, 22, 897-905.	1.7	15
79	Rapid Exclusion of COVID Infection With the Artificial Intelligence Electrocardiogram. <i>Mayo Clinic Proceedings</i> , 2021, 96, 2081-2094.	3.0	15
80	Quantifying Intracardiac Organization of Atrial Arrhythmias Using Temporospatial Phase of the Electrocardiogram. <i>Journal of Cardiovascular Electrophysiology</i> , 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. <i>Heart Rhythm</i> , 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. <i>Journal of Cardiovascular Electrophysiology</i> , 2018, 29, 687-695.	1.7	14
83	HRS Policy Statement: Clinical Cardiac Electrophysiology Fellowship Curriculum: Update 2011. <i>Heart Rhythm</i> , 2011, 8, 1340-1356.	0.7	13
84	Comparison of phase mapping and electrogramâ€based driver mapping for catheter ablation in atrial fibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2019, 42, 216-223.	1.2	13
85	Rebuttal from Sanjiv M. Narayan and JosÃ© Jalife. <i>Journal of Physiology</i> , 2014, 592, 3171-3171.	2.9	12
86	Phase synchrony reveals organization in human atrial fibrillation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H2118-H2126.	3.2	12
87	The continuous challenge of AF ablation: From foci to rotational activity. <i>Revista Portuguesa De Cardiologia</i> , 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 SMASHâ€AF metaâ€analysis study cohort. <i>Journal of Cardiovascular Electrophysiology</i> , 2018, 29, 747-755.	1.7	11
89	Urinary tract infection after catheter ablation of atrial fibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2019, 42, 951-958.	1.2	11
90	Mechanisms Underlying AF: Triggers, Rotors, Other?. <i>Current Treatment Options in Cardiovascular Medicine</i> , 2015, 17, 371.	0.9	10

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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 Earlyâ€Human 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

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



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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 Atrial Fibrillation Or 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	Re-interpreting complex atrial tachycardia maps using global atrial vectors. Journal of Cardiovascular Electrophysiology, 2021, 32, 1918-1920.	1.7	1

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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 Pulmonary Vein Isolation. JACC: Clinical Electrophysiology, 2019, 5, 787-788.	3.2	0
159	Response by Bhatia et al to Letter Regarding Article, "Wavefront Field Mapping Reveals a Physiologic Network Between Drivers Where Ablation Terminates Atrial Fibrillation"; 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
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