

Sanjiv M Narayan,, Fhrs

List of Publications by Year in descending order

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Version: 2024-02-01

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	Stochastic Termination of Spiral Wave Dynamics in Cardiac Tissue. <i>Frontiers in Network Physiology</i> , 2022, 2, .	1.8	6
2	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
3	Perpendicular Catheter Orientation During Papillary Muscle Ablation Results in Larger, Deeper Lesions. <i>Journal of Cardiovascular Electrophysiology</i> , 2022, , .	1.7	5
4	What Cannot Be Missed: Important Publications on Electrophysiology in 2021. <i>Arrhythmia and Electrophysiology Review</i> , 2022, 11, e01.	2.4	0
5	Atrial fibrillation signatures on intracardiac electrograms identified by deep learning. <i>Computers in Biology and Medicine</i> , 2022, 145, 105451.	7.0	6
6	Ablating Atrial Fibrillation: Customizing Lesion Sets Guided by Rotor Mapping. <i>Methodist DeBaakey Cardiovascular Journal</i> , 2021, 11, 76.	1.0	3
7	Integration of novel monitoring devices with machine learning technology for scalable cardiovascular management. <i>Nature Reviews Cardiology</i> , 2021, 18, 75-91.	13.7	113
8	Machine Learned Cellular Phenotypes in Cardiomyopathy Predict Sudden Death. <i>Circulation Research</i> , 2021, 128, 172-184.	4.5	35
9	Intra-cardiac Signatures of Atrial Arrhythmias Identified by Machine Learning and Traditional Features. <i>Lecture Notes in Computer Science</i> , 2021, , 671-678.	1.3	1
10	Prognostication for Sudden Cardiac Arrest Patients Achieving ROSC. <i>Journal of the American College of Cardiology</i> , 2021, 77, 372-374.	2.8	1
11	Electrical Substrate Ablation for Refractory Ventricular Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021, 14, e008868.	4.8	10
12	What Cannot Be Missed: Important Publications on Electrophysiology in 2020. <i>Arrhythmia and Electrophysiology Review</i> , 2021, 10, 5-6.	2.4	0
13	Three dimensional reconstruction to visualize atrial fibrillation activation patterns on curved atrial geometry. <i>PLoS ONE</i> , 2021, 16, e0249873.	2.5	3
14	Immediate and Delayed Response of Simulated Human Atrial Myocytes to Clinically-Relevant Hypokalemia. <i>Frontiers in Physiology</i> , 2021, 12, 651162.	2.8	4
15	Reinterpreting complex atrial tachycardia maps using global atrial vectors. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 1918-1920.	1.7	1
16	Editorial: Electrical and Structural Remodelling in Atrial Fibrillation: Phenotyping for Personalized Therapy. <i>Frontiers in Physiology</i> , 2021, 12, 697536.	2.8	0
17	Competing risks in patients with primary prevention implantable cardioverter-defibrillators: Global Electrical Heterogeneity and Clinical Outcomes study. <i>Heart Rhythm</i> , 2021, 18, 977-986.	0.7	8
18	Three-dimensional transmural mapping to guide ventricular arrhythmia ablation. <i>Heart Rhythm</i> , 2021, 18, 1452-1453.	0.7	1

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19	Rapid Exclusion of COVID Infection With the Artificial Intelligence Electrocardiogram. Mayo Clinic Proceedings, 2021, 96, 2081-2094.	3.0	15
20	Identifying Atrial Fibrillation Mechanisms for Personalized Medicine. Journal of Clinical Medicine, 2021, 10, 5679.	2.4	8
21	Deep Neural Network Trained on Surface ECG Improves Diagnostic Accuracy of Prior Myocardial Infarction Over Q Wave Analysis. , 2021, , .		1
22	Arrhythmia Patterns in Patients on Ibrutinib. Frontiers in Cardiovascular Medicine, 2021, 8, 792310.	2.4	7
23	Integrating blockchain technology with artificial intelligence for cardiovascular medicine. Nature Reviews Cardiology, 2020, 17, 1-3.	13.7	83
24	Automatic quality electrogram assessment improves phase-based reentrant activity identification in atrial fibrillation. Computers in Biology and Medicine, 2020, 117, 103593.	7.0	1
25	Moving the needle: Tissue characterization and lesion formation during infusion-needle ablation. Heart Rhythm, 2020, 17, 406-407.	0.7	1
26	Novel three-dimensional imaging approach for cryoballoon navigation and confirmation of pulmonary vein occlusion. PACE - Pacing and Clinical Electrophysiology, 2020, 43, 269-277.	1.2	3
27	Re-evaluating the multiple wavelet hypothesis for atrial fibrillation. Heart Rhythm, 2020, 17, 2219-2220.	0.7	2
28	Populations of in silico myocytes and tissues reveal synergy of multiatrial K ⁺ current block in atrial fibrillation. British Journal of Pharmacology, 2020, 177, 4497-4515.	5.4	23
29	Artificial Intelligence and Machine Learning in Arrhythmias and Cardiac Electrophysiology. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e007952.	4.8	96
30	Machine Learning to Classify Intracardiac Electrical Patterns During Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e008160.	4.8	35
31	The interconnected atrium: Acute impact of pulmonary vein isolation on remote atrial tissue. Journal of Cardiovascular Electrophysiology, 2020, 31, 913-914.	1.7	0
32	Getting in Contact With Atrial Fibrillation or Not. JACC: Clinical Electrophysiology, 2020, 6, 182-184.	3.2	1
33	Noninvasive Assessment of Complexity of Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e007700.	4.8	23
34	Catheter ablation or surgery to eliminate longstanding persistent atrial fibrillation. International Journal of Cardiology, 2020, 303, 54-55.	1.7	1
35	Termination of persistent atrial fibrillation by ablating sites that control large atrial areas. Europace, 2020, 22, 897-905.	1.7	15
36	Continuous ablation improves lesion maturation compared with intermittent ablation strategies. Journal of Cardiovascular Electrophysiology, 2020, 31, 1687-1693.	1.7	4

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37	Non-invasive Spatial Mapping of Frequencies in Atrial Fibrillation: Correlation With Contact Mapping. <i>Frontiers in Physiology</i> , 2020, 11, 611266.	2.8	6
38	Action Potential Dynamics in Human Atrial Fibrillation. , 2020, , 333-345.		2
39	What Cannot Be Missed: Important Publications on Electrophysiology in 2019. <i>Arrhythmia and Electrophysiology Review</i> , 2020, 9, 4-4.	2.4	1
40	Abstract 15668: Noninvasive Mapping Can Predict Success of Ablation for Atrial Fibrillation. <i>Circulation</i> , 2020, 142, .	1.6	0
41	Abstract 311: Machine Learning of the Electrocardiogram to Detect Regional Structural Abnormalities of the Heart. <i>Circulation</i> , 2020, 142, .	1.6	0
42	Abstract 14742: Deep Learning of Intracardiac Electrograms in Atrial Arrhythmia. <i>Circulation</i> , 2020, 142, .	1.6	0
43	Abstract 14738: Classification of Atrial Fibrillation by Deep Learning of Electrogram Shapes versus Rate and Regularity. <i>Circulation</i> , 2020, 142, .	1.6	0
44	Abstract 16313: Islands of Organized 1:1 Conduction Within Atrial Fibrillation as Potential Targets for Ablation. <i>Circulation</i> , 2020, 142, .	1.6	0
45	Comparison of phase mapping and electrogram-based driver mapping for catheter ablation in atrial fibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2019, 42, 216-223.	1.2	13
46	Dielectric-based imaging and navigation of the heart. <i>Heart Rhythm</i> , 2019, 16, 1890-1891.	0.7	0
47	Wavefront Field Mapping Reveals a Physiologic Network Between Drivers Where Ablation Terminates Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e006835.	4.8	8
48	Online webinar training to analyse complex atrial fibrillation maps: A randomized trial. <i>PLoS ONE</i> , 2019, 14, e0217988.	2.5	3
49	Electroporation. <i>Journal of the American College of Cardiology</i> , 2019, 74, 327-329.	2.8	3
50	Rapid Point-by-Point Pulmonary Vein Isolation. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 787-788.	3.2	0
51	Response by Bhatia et al to Letter Regarding Article, "Wavefront Field Mapping Reveals a Physiologic Network Between Drivers Where Ablation Terminates Atrial Fibrillation"; <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e008022.	4.8	0
52	Atrial Fibrillation Burden Signature and Near-Term Prediction of Stroke. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2019, 12, e005595.	2.2	43
53	Transparent sharing of digital health data: A call to action. <i>Heart Rhythm</i> , 2019, 16, e95-e106.	0.7	24
54	Urinary tract infection after catheter ablation of atrial fibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2019, 42, 951-958.	1.2	11

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55	Editorial: High density mapping of atrial fibrillation sources. Journal of Cardiovascular Electrophysiology, 2019, 30, 964-965.	1.7	0
56	Deep learning for cardiovascular medicine: a practical primer. European Heart Journal, 2019, 40, 2058-2073.	2.2	218
57	Ablation of Atrial Fibrillation Drivers. , 2019, , 279-291.e2.		0
58	Propagation velocity at atrial fibrillation sources: Go with the flow. International Journal of Cardiology, 2019, 286, 76-77.	1.7	0
59	Mapping and Ablation of Rotational and Focal Drivers in Atrial Fibrillation. Cardiac Electrophysiology Clinics, 2019, 11, 583-595.	1.7	6
60	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
61	Efficacy of Ablation Lesion Sets in Addition to Pulmonary Vein Isolation for Paroxysmal Atrial Fibrillation: Findings From the SMASH-AF Meta-Analysis Study Cohort. Journal of the American Heart Association, 2019, 8, e009976.	3.7	10
62	Predictability in complex atrial arrhythmias: The N ² algorithm to guide ablation of atrial tachycardias. Heart Rhythm, 2019, 16, 562-563.	0.7	4
63	New Concepts in Sudden Cardiac Arrest to Address An Intractable Epidemic. Journal of the American College of Cardiology, 2019, 73, 70-88.	2.8	42
64	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
65	Structurally-based electrical predictors of atrial arrhythmias. International Journal of Cardiology, 2019, 278, 151-152.	1.7	1
66	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
67	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
68	Identification and Characterization of Sites Where Persistent Atrial Fibrillation Is Terminated by Localized Ablation. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e005258.	4.8	43
69	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
70	Rotors in Human Atrial Fibrillation. , 2018, , 426-436.		1
71	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
72	Interpreting Activation Mapping of Atrial Fibrillation: A Hybrid Computational/Physiological Study. Annals of Biomedical Engineering, 2018, 46, 257-269.	2.5	15

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73	Characterizing Electrogram Signal Fidelity and the Effects of Signal Contamination on Mapping Human Persistent Atrial Fibrillation. <i>Frontiers in Physiology</i> , 2018, 9, 1232.	2.8	2
74	Statistical guidance of VT ablation. <i>Journal of Cardiovascular Electrophysiology</i> , 2018, 29, 987-989.	1.7	1
75	Clinical Implications of Ablation of Drivers for Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e006119.	4.8	78
76	Integrating mapping methods for atrial fibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2018, 41, 1286-1288.	1.2	0
77	Patient and facility variation in costs of catheter ablation for atrial fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2018, 29, 1081-1088.	1.7	9
78	Interaction of Localized Drivers and Disorganized Activation in Persistent Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e005846.	4.8	33
79	Abstract 17299: AF Drivers Where Ablation Terminates Persistent AF Fluctuate Due to Competing Drivers but Remain Anchored in Specific Locations. <i>Circulation</i> , 2018, 138, .	1.6	0
80	Mapping Ripples or Waves in Atrial Fibrillation?. <i>Journal of Cardiovascular Electrophysiology</i> , 2017, 28, 383-385.	1.7	1
81	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
82	Recurrent Post-Ablation Paroxysmal Atrial Fibrillation Shares Substrates With Persistent Atrial Fibrillation. <i>JACC: Clinical Electrophysiology</i> , 2017, 3, 393-402.	3.2	18
83	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
84	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
85	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
86	Spatiotemporal Progression of Early Human Ventricular Fibrillation. <i>JACC: Clinical Electrophysiology</i> , 2017, 3, 1437-1446.	3.2	7
87	Spatial relationship of sites for atrial fibrillation drivers and atrial tachycardia in patients with both arrhythmias. <i>International Journal of Cardiology</i> , 2017, 248, 188-195.	1.7	8
88	Reply. <i>JACC: Clinical Electrophysiology</i> , 2017, 3, 1340-1341.	3.2	0
89	The continuous challenge of AF ablation: From foci to rotational activity. <i>Revista Portuguesa De Cardiologia</i> , 2017, 36, 9-17.	0.5	12
90	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

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91	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
92	Rotational Drivers in Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2017, 10, .	4.8	9
93	The continuous challenge of AF ablation: From foci to rotational activity. <i>Revista Portuguesa De Cardiologia (English Edition)</i> , 2017, 36, 9-17.	0.2	10
94	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
95	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
96	Ablation of Atrial Fibrillation Drivers. <i>Arrhythmia and Electrophysiology Review</i> , 2017, 6, 195.	2.4	8
97	Mechanistic targets for the ablation of atrial fibrillation. <i>Global Cardiology Science & Practice</i> , 2017, 2017, e201707.	0.4	6
98	New Mechanism-based Approaches to Ablating Persistent AF. <i>Journal of Cardiovascular Pharmacology</i> , 2016, 67, 1-8.	1.9	0
99	Organized Sources Are Spatially Conserved in Recurrent Compared to Pre-â€Ablation Atrial Fibrillation: Further Evidence for Non-â€Random Electrical Substrates. <i>Journal of Cardiovascular Electrophysiology</i> , 2016, 27, 661-669.	1.7	17
100	Intracoronary Gene Transfer of Adenylyl Cyclase 6 in Patients With Heart Failure. <i>JAMA Cardiology</i> , 2016, 1, 163.	6.1	100
101	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
102	Terminating atrial fibrillation by cooling the heart. <i>Heart Rhythm</i> , 2016, 13, 2259-2260.	0.7	0
103	Mechanistically based mapping of human cardiac fibrillation. <i>Journal of Physiology</i> , 2016, 594, 2399-2415.	2.9	37
104	Determining conduction patterns on a sparse electrode grid: Implications for the analysis of clinical arrhythmias. <i>Physical Review E</i> , 2016, 94, 050401.	2.1	6
105	Atrial fibrillation: Can electrograms be interpreted without repolarization information?. <i>Heart Rhythm</i> , 2016, 13, 962-963.	0.7	6
106	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
107	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
108	Is Human Long-Standing Persistent Atrial Fibrillation More Stable Than Assumed?. <i>JACC: Clinical Electrophysiology</i> , 2015, 1, 25-28.	3.2	0

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109	Mechanistic targets for the ablation of atrial fibrillation. Global Cardiology Science & Practice, 2015, 2015, 67.	0.4	0
110	Modifying Ventricular Fibrillation by Targeted Rotor Substrate Ablation: Proof of Concept from Experimental Studies to Clinical VF. Journal of Cardiovascular Electrophysiology, 2015, 26, 1117-1126.	1.7	35
111	When Is Structure, Function? Revisiting an Old Concept in Atrial Fibrillation. Journal of Cardiovascular Electrophysiology, 2015, 26, 1361-1363.	1.7	4
112	Ablation of Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 1303-1305.	4.8	5
113	Phase synchrony reveals organization in human atrial fibrillation. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H2118-H2126.	3.2	12
114	Mechanisms Underlying AF: Triggers, Rotors, Other?. Current Treatment Options in Cardiovascular Medicine, 2015, 17, 371.	0.9	10
115	Rotor mapping and ablation to treat atrial fibrillation. Current Opinion in Cardiology, 2015, 30, 24-32.	1.8	22
116	Mechanisms for the Termination of Atrial Fibrillation by Localized Ablation. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 1325-1333.	4.8	57
117	Ablation of atrial fibrillation. Trends in Cardiovascular Medicine, 2015, 25, 409-419.	4.9	10
118	Role of Rotors in the Ablative Therapy of Persistent Atrial Fibrillation. Arrhythmia and Electrophysiology Review, 2015, 4, 47.	2.4	5
119	The role of rotors in atrial fibrillation. Journal of Thoracic Disease, 2015, 7, 142-51.	1.4	27
120	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
121	Abstract 18526: Electrogram Amplitude is Reduced at Rotor Sites Critical to Maintenance of Human Persistent Atrial Fibrillation. Circulation, 2015, 132, .	1.6	0
122	Structural contributions to fibrillatory rotors in a patient-derived computational model of the atria. Europace, 2014, 16, iv3-iv10.	1.7	70
123	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
124	What Tissue Does Circumferential PV Isolation Actually Modulate?. Journal of Cardiovascular Electrophysiology, 2014, 25, 119-121.	1.7	1
125	Rebuttal from Sanjiv M. Narayan and Jos�� Jalife. Journal of Physiology, 2014, 592, 3171-3171.	2.9	12
126	CrossTalk proposal: Rotors have been demonstrated to drive human atrial fibrillation. Journal of Physiology, 2014, 592, 3163-3166.	2.9	64

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127	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
128	Highlights of the Year in JACC 2013. Journal of the American College of Cardiology, 2014, 63, 570-602.	2.8	2
129	Lone Atrial Fibrillation. Journal of the American College of Cardiology, 2014, 63, 1715-1723.	2.8	177
130	Intermittent Atrial Tachycardia Promotes Repolarization Alternans and Conduction Slowing During Rapid Rates, and Increases Susceptibility to Atrial Fibrillation in a Free-Running Sheep Model. Journal of Cardiovascular Electrophysiology, 2014, 25, 418-427.	1.7	18
131	Human Atrial Fibrillation Initiates via Organized Rather Than Disorganized Mechanisms. Circulation: Arrhythmia and Electrophysiology, 2014, 7, 816-824.	4.8	45
132	Defining Arrhythmic Risk and Defibrillator Therapy in ARVC. Journal of the American College of Cardiology, 2014, 64, 126-128.	2.8	2
133	Rhythm Control in Heart Failure Patients With Atrial Fibrillation. Journal of the American College of Cardiology, 2014, 64, 710-721.	2.8	71
134	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
135	Rotors as Drivers of Atrial Fibrillation and Targets for Ablation. Current Cardiology Reports, 2014, 16, 509.	2.9	26
136	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
137	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
138	Rotors and Focal Sources for Human Atrial Fibrillation. Circulation Journal, 2014, 78, 2357-2366.	1.6	8
139	Abstract 18427: Rotors and Focal Sources for Human Atrial Fibrillation Are Spatially and Temporally Stable. Circulation, 2014, 130, .	1.6	0
140	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
141	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
142	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
143	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
144	Frequency Analysis of Atrial Action Potential Alternans. Circulation: Arrhythmia and Electrophysiology, 2013, 6, 859-867.	4.8	26

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145	Theoretical considerations for mapping activation in human cardiac fibrillation. <i>Chaos</i> , 2013, 23, 023113.	2.5	79
146	Thinking outside the Box: Rotor Modulation in the Treatment of Atrial Fibrillation. <i>Journal of Atrial Fibrillation</i> , 2013, 6, 811.	0.5	0
147	Mechanisms of Human Atrial Fibrillation Initiation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012, 5, 1149-1159.	4.8	102
148	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
149	Treatment of Atrial Fibrillation by the Ablation of Localized Sources. <i>Journal of the American College of Cardiology</i> , 2012, 60, 628-636.	2.8	1,033
150	Computational Mapping Identifies Localized Mechanisms for Ablation of Atrial Fibrillation. <i>PLoS ONE</i> , 2012, 7, e46034.	2.5	100
151	Clinical Mapping Approach To Diagnose Electrical Rotors and Focal Impulse Sources for Human Atrial Fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2012, 23, 447-454.	1.7	305
152	Classifying fractionated electrograms in human atrial fibrillation using monophasic action potentials and activation mapping: Evidence for localized drivers, rate acceleration, and nonlocal signal etiologies. <i>Heart Rhythm</i> , 2011, 8, 244-253.	0.7	172
153	HRS Policy Statement: Clinical Cardiac Electrophysiology Fellowship Curriculum: Update 2011. <i>Heart Rhythm</i> , 2011, 8, 1340-1356.	0.7	13
154	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
155	Highlights of the Year in JACC 2010. <i>Journal of the American College of Cardiology</i> , 2011, 57, 480-514.	2.8	1
156	Microvolt T-Wave Alternans. <i>Journal of the American College of Cardiology</i> , 2011, 58, 1309-1324.	2.8	371
157	Repolarization Alternans Reveals Vulnerability to Human Atrial Fibrillation. <i>Circulation</i> , 2011, 123, 2922-2930.	1.6	171
158	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
159	Highlights of the Year in JACC2009. <i>Journal of the American College of Cardiology</i> , 2010, 55, 380-407.	2.8	1
160	Centrifugal Gradients of Rate and Organization in Human Atrial Fibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2009, 32, 1366-1378.	1.2	31
161	Long-Term Follow-Up of Idiopathic Ventricular Fibrillation Ablation. <i>Journal of the American College of Cardiology</i> , 2009, 54, 522-528.	2.8	232
162	Repolarization and Activation Restitution Near Human Pulmonary Veins and Atrial Fibrillation Initiation. <i>Journal of the American College of Cardiology</i> , 2008, 52, 1222-1230.	2.8	135

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163	Action Potential Dynamics Explain Arrhythmic Vulnerability in Human Heart Failure. Journal of the American College of Cardiology, 2008, 52, 1782-1792.	2.8	96
164	Steep restitution of ventricular action potential duration and conduction slowing in human Brugada syndrome. Heart Rhythm, 2007, 4, 1087-1089.	0.7	20
165	Using Electrocardiographic Activation Time and Diastolic Intervals to Separate Focal From Macro Re-Entrant Atrial Tachycardias. Journal of the American College of Cardiology, 2007, 49, 1965-1973.	2.8	37
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