

# Sachin Nayyar

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

661  
citations

758635

12  
h-index

580395

25  
g-index

47  
all docs

47  
docs citations

47  
times ranked

927  
citing authors

#	ARTICLE	IF	CITATIONS
1	Importance of the underlying substrate in determining thrombus location in atrial fibrillation: implications for left atrial appendage closure. <i>Heart</i> , 2012, 98, 1120-1126.	1.2	110
2	Bipolar Electrogram Shannon Entropy at Sites of Rotational Activation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 48-57.	2.1	107
3	Venturing into ventricular arrhythmia storm: a systematic review and meta-analysis. <i>European Heart Journal</i> , 2013, 34, 560-571.	1.0	84
4	High-Density Mapping of Ventricular Scar. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014, 7, 90-98.	2.1	56
5	High-resolution, live, directional mapping. <i>Heart Rhythm</i> , 2020, 17, 1621-1628.	0.3	30
6	Omnipolarity applied to equi-spaced electrode array for ventricular tachycardia substrate mapping. <i>Europace</i> , 2019, 21, 813-821.	0.7	28
7	Focal source and trigger mapping in atrial fibrillation: Randomized controlled trial evaluating a novel adjunctive ablation strategy. <i>Heart Rhythm</i> , 2020, 17, 683-691.	0.3	22
8	Determinants of atrial bipolar voltage: Inter electrode distance and wavefront angle. <i>Computers in Biology and Medicine</i> , 2018, 102, 449-457.	3.9	21
9	Autonomic modulation of repolarization instability in patients with heart failure prone to ventricular tachycardia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H1181-H1188.	1.5	20
10	Mapping and Ablation of the Pulmonary Veins and Cavo-Tricuspid Isthmus With a Magnetic Resonance Imaging-compatible Externally Irrigated Ablation Catheter and Integrated Electrophysiology System. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012, 5, 1136-1142.	2.1	19
11	Brugada Pattern in Toxic Myocarditis due to Severe Aluminum Phosphide Poisoning. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2009, 32, e16-7.	0.5	15
12	Development of Time- and Voltage-Domain Mapping (V-T-Mapping) to Localize Ventricular Tachycardia Channels During Sinus Rhythm. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016, 9, .	2.1	13
13	Effect of Loss of Heart Rate Variability on T-Wave Heterogeneity and QT Variability in Heart Failure Patients: Implications in Ventricular Arrhythmogenesis. <i>Cardiovascular Engineering and Technology</i> , 2017, 8, 219-228.	0.7	12
14	Results of Radiofrequency Ablation of Permanent Atrial Fibrillation of >2 Years Duration and Left Atrial Size >5 cm Using 2-mm Irrigated Tip Ablation Catheter and Targeting Areas of Complex Fractionated Atrial Electrograms. <i>American Journal of Cardiology</i> , 2009, 104, 683-688.	0.7	9
15	Electrophysiologic features of protected channels in late postinfarction patients with and without spontaneous ventricular tachycardia. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2018, 51, 13-24.	0.6	9
16	Exit sites on the epicardium rarely subtend critical diastolic path of ischemic VT on the endocardium: Implications for noninvasive ablation. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 520-527.	0.8	9
17	Automated Quantification of Low-Amplitude Abnormal QRS Peaks From High-Resolution ECG Recordings Predicts Arrhythmic Events in Patients With Cardiomyopathy. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2017, 10, .	2.1	8
18	Safety, efficacy, and monitoring of bipolar radiofrequency ablation in beating myopathic human and healthy swine hearts. <i>Heart Rhythm</i> , 2021, 18, 1772-1779.	0.3	8

#	ARTICLE	IF	CITATIONS
19	Quantifying the determinants of decremental response in critical ventricular tachycardia substrate. <i>Computers in Biology and Medicine</i> , 2018, 102, 260-266.	3.9	7
20	Direct and indirect mapping of intramural space in ventricular tachycardia. <i>Heart Rhythm</i> , 2020, 17, 439-446.	0.3	7
21	Deep Learning Classification of Unipolar Electrograms in Human Atrial Fibrillation: Application in Focal Source Mapping. <i>Frontiers in Physiology</i> , 2021, 12, 704122.	1.3	7
22	Left hemothorax: A presentation of a late ventricular perforation caused by an active fixation pacing lead. <i>International Journal of Cardiology</i> , 2010, 141, e43-e46.	0.8	6
23	Twisting and Turning to Find an Explanation for Torsades de Pointes. <i>JACC: Clinical Electrophysiology</i> , 2017, 3, 1577-1579.	1.3	6
24	The Role of Artificial Intelligence and Machine Learning in Clinical Cardiac Electrophysiology. <i>Canadian Journal of Cardiology</i> , 2022, 38, 246-258.	0.8	6
25	Information theory to tachycardia therapy: electrogram entropy predicts diastolic microstructure of reentrant ventricular tachycardia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H134-H144.	1.5	5
26	Microvolt QRS Alternans Without Microvolt Tâ€Wave Alternans in Human Cardiomyopathy: A Novel Risk Marker of Late Ventricular Arrhythmias. <i>Journal of the American Heart Association</i> , 2020, 9, e016461.	1.6	5
27	Dilated Cardiomyopathy with Short QT Interval: Is It a New Clinical Entity?. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2009, 32, 688-690.	0.5	4
28	Paradoxical Ventricular Activation Sequence and ParaHisian Entrainment Response. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, e1-6.	2.1	4
29	Quantification of abnormal QRS peaks predicts response to cardiac resynchronization therapy and tracks structural remodeling. <i>PLoS ONE</i> , 2019, 14, e0217875.	1.1	4
30	Focal and pseudo/rotational activations in human atrial fibrillation defined with automated periodicity mapping. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 212-223.	0.8	4
31	Lateral tunnel Fontan atrial tachycardia ablation trans-baffle access is not mandatory as the initial strategy. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2020, 58, 299-306.	0.6	3
32	Signature signal strategy: Electrogram-based ventricular tachycardia mapping. <i>Heart Rhythm</i> , 2020, 17, 2000-2009.	0.3	3
33	Reduced T wave alternans in heart failure responders to cardiac resynchronization therapy: Evidence of electrical remodeling. <i>PLoS ONE</i> , 2018, 13, e0199637.	1.1	2
34	Letter by Nayyar and Fairley Regarding Article, â€œIntracardiac Delineation of Septal Conduction in Left Bundle Branch Block Patterns: Mechanistic Evidence of Left Intrahisian Block Circumvented by His Bundle Pacingâ€. <i>Circulation</i> , 2019, 140, e711-e712.	1.6	2
35	Prophylactic anticoagulation in sinus rhythm for stroke prevention in cardiovascular disease: contemporary meta-analysis of large randomized trials. <i>European Journal of Preventive Cardiology</i> , 2021, , .	0.8	2
36	Innocent Bystander or the Heel of Achilles. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016, 9, .	2.1	1

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37	A Least Squares Approach to Estimation of Far-field Voltage in Unipolar Electrograms in Atrial Fibrillation. , 2018, , .		1
38	Differential pacing from two sites to diagnose risk of ventricular arrhythmia and death. PACE - Pacing and Clinical Electrophysiology, 2019, 42, 189-200.	0.5	1
39	Unipolar electrogram-based voltage mapping with far-field cancellation to improve detection of abnormal atrial substrate during atrial fibrillation. Journal of Cardiovascular Electrophysiology, 2021, 32, 1572-1583.	0.8	1
40	A supraventricular tachycardia with two atrial activation sequences: What is the mechanism?. Heart Rhythm, 2011, 8, 1299-1301.	0.3	0
41	Atrial Activation Detour in An Orthodromic Reentrant Tachycardia. Journal of Cardiovascular Electrophysiology, 2012, 23, 561-561.	0.8	0
42	Coronary Sinus Isolation: No Myth But Reality. PACE - Pacing and Clinical Electrophysiology, 2012, 35, e322-4.	0.5	0
43	Clatter on the electrocardiogram. Journal of Electrocardiology, 2013, 46, 66-68.	0.4	0
44	Hierarchical analysis of electrograms to guide termination of persistent atrial fibrillation. HeartRhythm Case Reports, 2017, 3, 22-26.	0.2	0
45	A compound problem of sensing and pacing alternans. Indian Pacing and Electrophysiology Journal, 2020, 20, 281-285.	0.3	0
46	To the Editor- Determinants of bipolar amplitude. Heart Rhythm, 2020, 17, 1415.	0.3	0
47	Multiform Ventricular Tachycardia With Conduction System Participation. JACC: Clinical Electrophysiology, 2021, 7, 1625-1626.	1.3	0