

Nicolas Derval

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

3,390
citations

185998

28
h-index

143772

57
g-index

64
all docs

64
docs citations

64
times ranked

2866
citing authors

#	ARTICLE	IF	CITATIONS
1	Driver Domains in Persistent Atrial Fibrillation. <i>Circulation</i> , 2014, 130, 530-538.	1.6	634
2	Elimination of Local Abnormal Ventricular Activities. <i>Circulation</i> , 2012, 125, 2184-2196.	1.6	538
3	Five-Year Outcome of Catheter Ablation of Persistent Atrial Fibrillation Using Termination of Atrial Fibrillation as a Procedural Endpoint. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015, 8, 18-24.	2.1	247
4	Relationship Between Fibrosis Detected on Late Gadolinium-Enhanced Cardiac Magnetic Resonance and Re-Entrant Activity Assessed With Electrocardiographic Imaging in Human Persistent Atrial Fibrillation. <i>JACC: Clinical Electrophysiology</i> , 2018, 4, 17-29.	1.3	109
5	Regional Myocardial Wall Thinning at Multidetector Computed Tomography Correlates to Arrhythmogenic Substrate in Postinfarction Ventricular Tachycardia. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 342-350.	2.1	108
6	Performance and limitations of noninvasive cardiac activation mapping. <i>Heart Rhythm</i> , 2019, 16, 435-442.	0.3	108
7	Image Integration to Guide Catheter Ablation in Scar-Related Ventricular Tachycardia. <i>Journal of Cardiovascular Electrophysiology</i> , 2016, 27, 699-708.	0.8	106
8	Integration of Merged Delayed-Enhanced Magnetic Resonance Imaging and Multidetector Computed Tomography for the Guidance of Ventricular Tachycardia Ablation: A Pilot Study. <i>Journal of Cardiovascular Electrophysiology</i> , 2013, 24, 419-426.	0.8	95
9	Impact of Electrode Type on Mapping of Scar-Related VT. <i>Journal of Cardiovascular Electrophysiology</i> , 2015, 26, 1213-1223.	0.8	84
10	Impact of New Technologies and Approaches for Post-Myocardial Infarction Ventricular Tachycardia Ablation During Long-Term Follow-Up. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016, 9, .	2.1	75
11	Revisiting anatomic macroreentrant tachycardia after atrial fibrillation ablation using ultrahigh-resolution mapping: Implications for ablation. <i>Heart Rhythm</i> , 2018, 15, 326-333.	0.3	73
12	Characteristics of Scar-Related Ventricular Tachycardia Circuits Using Ultra-High-Density Mapping. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e006569.	2.1	72
13	Electrogram signature of specific activation patterns: Analysis of atrial tachycardias at high-density endocardial mapping. <i>Heart Rhythm</i> , 2018, 15, 28-37.	0.3	66
14	Marshall bundle elimination, Pulmonary vein isolation, and Line completion for Anatomical ablation of persistent atrial fibrillation (Marshall-PLAN): Prospective, single-center study. <i>Heart Rhythm</i> , 2021, 18, 529-537.	0.3	65
15	The role of Marshall bundle epicardial connections in atrial tachycardias after atrial fibrillation ablation. <i>Heart Rhythm</i> , 2019, 16, 1341-1347.	0.3	62
16	MARSHALL bundles elimination, Pulmonary veins isolation and Lines completion for Anatomical ablation of persistent atrial fibrillation: MARSHALL-PLAN case series. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 7-15.	0.8	62
17	Characteristics of Single-Loop Macroreentrant Batrial Tachycardia Diagnosed by Ultrahigh-Resolution Mapping System. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e005558.	2.1	57
18	Depolarization versus repolarization abnormality underlying inferolateral J-wave syndromes: New concepts in sudden cardiac death with apparently normal hearts. <i>Heart Rhythm</i> , 2019, 16, 781-790.	0.3	52

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19	Impact of Vein of Marshall Ethanol Infusion on Mitral Isthmus Block. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e008884.	2.1	49
20	Are wall thickness channels defined by computed tomography predictive of isthmuses of postinfarction ventricular tachycardia?. <i>Heart Rhythm</i> , 2019, 16, 1661-1668.	0.3	47
21	Effect of bipolar electrode orientation on local electrogram properties. <i>Heart Rhythm</i> , 2018, 15, 1853-1861.	0.3	46
22	Characterization of Contact Force During Endocardial and Epicardial Ventricular Mapping. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014, 7, 1168-1173.	2.1	42
23	Distinctive Left Ventricular Activations Associated With ECG Pattern in Heart Failure Patients. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2017, 10, .	2.1	41
24	Mechanism of Recurrence of Atrial Tachycardia. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e007273.	2.1	41
25	Vein of Marshall Ethanol Infusion: Feasibility, Pitfalls, and Complications in Over 700 Patients. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021, 14, e010001.	2.1	38
26	Characterizing localized reentry with high-resolution mapping: Evidence for multiple slow conducting isthmuses within the circuit. <i>Heart Rhythm</i> , 2019, 16, 679-685.	0.3	37
27	Comprehensive Multicenter Study of the Common Isthmus in Post-atrial Fibrillation Ablation Multiple-Loop Atrial Tachycardia. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e006019.	2.1	34
28	Use of Novel Electrogram "Lumipoint" Algorithm to Detect Critical Isthmus and Abnormal Potentials for Ablation in Ventricular Tachycardia. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 470-479.	1.3	34
29	Insights from atrial surface activation throughout atrial tachycardia cycle length: A new mapping tool. <i>Heart Rhythm</i> , 2019, 16, 1652-1660.	0.3	31
30	Purkinje network and myocardial substrate at the onset of human ventricular fibrillation: implications for catheter ablation. <i>European Heart Journal</i> , 2022, 43, 1234-1247.	1.0	30
31	Ethanol infusion for Marshall bundle epicardial connections in Marshall bundle-related atrial tachycardias following atrial fibrillation ablation: The accessibility and success rate of ethanol infusion by using a femoral approach. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 1443-1451.	0.8	27
32	Epicardial-endocardial breakthrough during stable atrial macroreentry: Evidence from ultra-high-resolution 3-dimensional mapping. <i>Heart Rhythm</i> , 2017, 14, 1200-1207.	0.3	26
33	Acute and mid-term outcome of ethanol infusion of vein of Marshall for the treatment of perimitral flutter. <i>Europace</i> , 2020, 22, 1252-1260.	0.7	24
34	Impact of Spacing and Orientation on the Scar Threshold With a High-Density Grid Catheter. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e007158.	2.1	22
35	Effect of Activation Wavefront on Electrogram Characteristics During Ventricular Tachycardia Ablation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e007293.	2.1	21
36	Detailed comparison between the wall thickness and voltages in chronic myocardial infarction. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 195-204.	0.8	20

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37	Characterization of Complex Atrial Tachycardia in Patients With Previous Atrial Interventions Using High-Resolution Mapping. <i>JACC: Clinical Electrophysiology</i> , 2020, 6, 815-826.	1.3	20
38	A simple mechanism underlying the behavior of reentrant atrial tachycardia during ablation. <i>Heart Rhythm</i> , 2019, 16, 553-561.	0.3	17
39	Sex differences in the origin of Purkinje ectopy-initiated idiopathic ventricular fibrillation. <i>Heart Rhythm</i> , 2021, 18, 1647-1654.	0.3	15
40	Demonstration of Persistent Conduction Across the Mitral Isthmus via the Vein of Marshall With High-Density Activation Mapping. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2017, 10, .	2.1	11
41	How to perform ethanol ablation of the vein of Marshall for treatment of atrial fibrillation. <i>Heart Rhythm</i> , 2021, 18, 1083-1087.	0.3	11
42	The Spectrum of Idiopathic Ventricular Fibrillation and J-Wave Syndromes. <i>Cardiac Electrophysiology Clinics</i> , 2019, 11, 699-709.	0.7	10
43	Differentiating atrial tachycardias with centrifugal activation: Lessons from high-resolution mapping. <i>Heart Rhythm</i> , 2021, 18, 1122-1131.	0.3	10
44	Use of high-density activation and voltage mapping in combination with entrainment to delineate gap-related atrial tachycardias post atrial fibrillation ablation. <i>Europace</i> , 2021, 23, 1052-1062.	0.7	9
45	Why Ablation of Sites With Purkinje Activation Is Antiarrhythmic: The Interplay Between Fast Activation and Arrhythmogenesis. <i>Frontiers in Physiology</i> , 2021, 12, 648396.	1.3	8
46	Distribution of atrial low voltage induced by vein of Marshall ethanol infusion. <i>Journal of Cardiovascular Electrophysiology</i> , 2022, 33, 1687-1693.	0.8	8
47	Optimized Computed Tomography Acquisition Protocol for Ethanol Infusion Into the Vein of Marshall. <i>JACC: Clinical Electrophysiology</i> , 2022, 8, 168-178.	1.3	7
48	Ligament of Marshall ablation for persistent atrial fibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2021, 44, 782-791.	0.5	5
49	Role of endocardial ablation in eliminating an epicardial arrhythmogenic substrate in patients with Brugada syndrome. <i>Heart Rhythm</i> , 2021, 18, 1673-1681.	0.3	5
50	Catheter Ablation for Ventricular Tachycardia in Patients with Nonischemic Cardiomyopathy. <i>Cardiac Electrophysiology Clinics</i> , 2017, 9, 47-54.	0.7	4
51	High-risk atrioventricular block in Brugada syndrome patients with a history of syncope. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 772-781.	0.8	4
52	Significance of manifest localized staining during ethanol infusion into the vein of Marshall. <i>Heart Rhythm</i> , 2021, 18, 1057-1063.	0.3	4
53	Radiation dose during catheter ablation in children using a low fluoroscopy frame rate. <i>Archives of Cardiovascular Diseases</i> , 2022, 115, 151-159.	0.7	4
54	Strategy for repeat procedures in patients with persistent atrial fibrillation: Systematic linear ablation with adjunctive ethanol infusion into the vein of Marshall versus electrophysiology-guided ablation. <i>Journal of Cardiovascular Electrophysiology</i> , 2022, 33, 1116-1124.	0.8	4

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55	Two consecutive ATs demonstrating a centrifugal pattern; What is the mechanism?. Journal of Cardiovascular Electrophysiology, 2019, 30, 978-980.	0.8	3
56	Strategy after vein of Marshall ethanol infusion added to catheter ablation of persistent atrial fibrillation: Please follow the line. Heart Rhythm, 2021, 18, 1055-1056.	0.3	3
57	Correlation of intracardiac electrogram with surface electrocardiogram in Brugada syndrome patients. Europace, 2014, 16, 908-913.	0.7	2
58	Accuracy of automatic abnormal potential annotation for substrate identification in scar-related ventricular tachycardia. Journal of Cardiovascular Electrophysiology, 2021, 32, 2216-2224.	0.8	2
59	Catheter Ablation for Atrial Fibrillation in Hyperthyroid Patients. Circulation: Arrhythmia and Electrophysiology, 2021, 14, e010200.	2.1	1
60	Double loop reentrant atrial tachycardia following ablation for atrioventricular nodal reentrant tachycardia. Journal of Electrocardiology, 2018, 51, 677-679.	0.4	0
61	Reply to the Editor's "Understanding the complex anatomy of the Marshall bundle might improve the ablation efficacy. Heart Rhythm, 2020, 17, e229.	0.3	0
62	Pause-dependent mitral isthmus conduction block during ablation of the mitral isthmus: What is the mechanism?. Journal of Cardiovascular Electrophysiology, 2021, 32, 162-165.	0.8	0
63	Outcome of Patients with Early Repolarization Pattern and Syncope. Heart Rhythm, 2022, , .	0.3	0