

# Ghassen Cheniti

## List of Publications by Year in descending order

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Version: 2024-02-01

111  
papers

2,224  
citations

218677

26  
h-index

276875

41  
g-index

118  
all docs

118  
docs citations

118  
times ranked

1955  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-power short-duration versus standard radiofrequency ablation: Insights on lesion metrics. <i>Journal of Cardiovascular Electrophysiology</i> , 2018, 29, 1570-1575.	1.7	159
2	Pulsed field ablation selectively spares the oesophagus during pulmonary vein isolation for atrial fibrillation. <i>Europace</i> , 2021, 23, 1391-1399.	1.7	82
3	Mapping and Ablation of Ventricular Fibrillation Associated With Early Repolarization Syndrome. <i>Circulation</i> , 2019, 140, 1477-1490.	1.6	80
4	Revisiting anatomic macroreentrant tachycardia after atrial fibrillation ablation using ultrahigh-resolution mapping: Implications for ablation. <i>Heart Rhythm</i> , 2018, 15, 326-333.	0.7	73
5	Characteristics of Scar-Related Ventricular Tachycardia Circuits Using Ultra-High-Density Mapping. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e006569.	4.8	72
6	Localized Structural Alterations Underlying a Subset of Unexplained Sudden Cardiac Death. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e006120.	4.8	67
7	Electrogram signature of specific activation patterns: Analysis of atrial tachycardias at high-density endocardial mapping. <i>Heart Rhythm</i> , 2018, 15, 28-37.	0.7	66
8	The role of Marshall bundle epicardial connections in atrial tachycardias after atrial fibrillation ablation. <i>Heart Rhythm</i> , 2019, 16, 1341-1347.	0.7	62
9	Epicardial course of the septopulmonary bundle: Anatomical considerations and clinical implications for roof line completion. <i>Heart Rhythm</i> , 2021, 18, 349-357.	0.7	62
10	Idiopathic Ventricular Fibrillation. <i>JACC: Clinical Electrophysiology</i> , 2020, 6, 591-608.	3.2	60
11	First clinical use of novel ablation catheter incorporating local impedance data. <i>Journal of Cardiovascular Electrophysiology</i> , 2018, 29, 1197-1206.	1.7	59
12	Atrial Fibrillation Mechanisms and Implications for Catheter Ablation. <i>Frontiers in Physiology</i> , 2018, 9, 1458.	2.8	58
13	Characteristics of Single-Loop Macroreentrant Batrial Tachycardia Diagnosed by Ultrahigh-Resolution Mapping System. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e005558.	4.8	57
14	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.	0.7	52
15	Long-Term Outcome of Substrate Modification in Ablation of Post-Myocardial Infarction Ventricular Tachycardia. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e005635.	4.8	51
16	Impact of Vein of Marshall Ethanol Infusion on Mitral Isthmus Block. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e008884.	4.8	49
17	Are wall thickness channels defined by computed tomography predictive of isthmuses of postinfarction ventricular tachycardia?. <i>Heart Rhythm</i> , 2019, 16, 1661-1668.	0.7	47
18	Effect of bipolar electrode orientation on local electrogram properties. <i>Heart Rhythm</i> , 2018, 15, 1853-1861.	0.7	46

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19	Pulsed field ablation prevents chronic atrial fibrotic changes and restrictive mechanics after catheter ablation for atrial fibrillation. <i>Europace</i> , 2021, 23, 1767-1776.	1.7	43
20	Mechanism of Recurrence of Atrial Tachycardia. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e007273.	4.8	41
21	Vein of Marshall Ethanol Infusion: Feasibility, Pitfalls, and Complications in Over 700 Patients. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021, 14, e010001.	4.8	38
22	Characterizing localized reentry with high-resolution mapping: Evidence for multiple slow conducting isthmuses within the circuit. <i>Heart Rhythm</i> , 2019, 16, 679-685.	0.7	37
23	Comprehensive Multicenter Study of the Common Isthmus in Postâ€Atrial Fibrillation Ablation Multiple-Loop Atrial Tachycardia. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e006019.	4.8	34
24	Use of Novel Electrogram â€œLumipointâ€Algorithm to Detect Critical Isthmus and Abnormal Potentials for Ablation in Ventricular Tachycardia. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 470-479.	3.2	34
25	Insights from atrial surface activation throughout atrial tachycardia cycle length: A new mapping tool. <i>Heart Rhythm</i> , 2019, 16, 1652-1660.	0.7	31
26	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.	2.2	30
27	Ethanol infusion for Marshall bundle epicardial connections in Marshall bundleâ€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.	1.7	27
28	Early Repolarization Syndrome: Diagnostic and Therapeutic Approach. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 169.	2.4	26
29	Mapping and Ablation of Idiopathic Ventricular Fibrillation. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 123.	2.4	26
30	Temperature- and flow-controlled ablation/very-high-power short-duration ablation vs conventional power-controlled ablation: Comparison of focal and linear lesion characteristics. <i>Heart Rhythm</i> , 2021, 18, 553-561.	0.7	26
31	Atrial fibrillation in Brugada syndrome: Current perspectives. <i>Journal of Cardiovascular Electrophysiology</i> , 2020, 31, 975-984.	1.7	25
32	Postâ€Myocardial Infarction Scar With Fat Deposition Shows Specific Electrophysiological Properties and Worse Outcome After Ventricular Tachycardia Ablation. <i>Journal of the American Heart Association</i> , 2019, 8, e012482.	3.7	24
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.	1.7	24
34	Detailed Analysis of the Relation BetweenâBipolar Electrode Spacing and Far- and Near-Field Electrograms. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 66-77.	3.2	23
35	Maximal Pre-Excitation Based Algorithm for Localization of Manifest Accessory Pathways in Adults. <i>JACC: Clinical Electrophysiology</i> , 2018, 4, 1052-1061.	3.2	22
36	Impact of Spacing and Orientation on the Scar Threshold With a High-Density Grid Catheter. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e007158.	4.8	22

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37	Effect of Activation Wavefront on Electrogram Characteristics During Ventricular Tachycardia Ablation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e007293.	4.8	21
38	Idiopathic ventricular fibrillation with repetitive activity inducible within the distal Purkinje system. <i>Heart Rhythm</i> , 2019, 16, 1268-1272.	0.7	21
39	Noninvasive Mapping and Electrocardiographic Imaging in Atrial and Ventricular Arrhythmias (CardioInsight). <i>Cardiac Electrophysiology Clinics</i> , 2019, 11, 459-471.	1.7	20
40	Detailed comparison between the wall thickness and voltages in chronic myocardial infarction. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 195-204.	1.7	20
41	Impedance, power, and current in radiofrequency ablation: Insights from technical, ex vivo, and clinical studies. <i>Journal of Cardiovascular Electrophysiology</i> , 2020, 31, 2836-2845.	1.7	20
42	Multisite conduction block in the epicardial substrate of Brugada syndrome. <i>Heart Rhythm</i> , 2022, 19, 417-426.	0.7	20
43	Arrhythmogenic response to isoproterenol testing vs. exercise testing in arrhythmogenic right ventricular cardiomyopathy patients. <i>Europace</i> , 2018, 20, f30-f36.	1.7	18
44	Relationship between atrial scar on cardiac magnetic resonance and pulmonary vein reconnection after catheter ablation for paroxysmal atrial fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 727-740.	1.7	18
45	A simple mechanism underlying the behavior of reentrant atrial tachycardia during ablation. <i>Heart Rhythm</i> , 2019, 16, 553-561.	0.7	17
46	Effect of electrode size and spacing on electrograms: Optimized electrode configuration for near-field electrogram characterization. <i>Heart Rhythm</i> , 2022, 19, 102-112.	0.7	16
47	Substrate Mapping and Ablation for Ventricular Tachycardia in Patients with Structural Heart Disease: How to Identify Ventricular Tachycardia Substrate. <i>Journal of Innovations in Cardiac Rhythm Management</i> , 2019, 10, 3565-3580.	0.5	16
48	Ultra-high-Density Activation Mapping to Aid Isthmus Identification of Atrial Tachycardias in Congenital Heart Disease. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 1459-1472.	3.2	15
49	Epicardial course of the musculature related to the great cardiac vein: Anatomical considerations and clinical implications for mitral isthmus block after vein of Marshall ethanol infusion. <i>Heart Rhythm</i> , 2021, 18, 1951-1958.	0.7	15
50	Sex differences in the origin of Purkinje ectopy-initiated idiopathic ventricular fibrillation. <i>Heart Rhythm</i> , 2021, 18, 1647-1654.	0.7	15
51	Atrial tachycardias: Cause or effect with ablation of persistent atrial fibrillation?. <i>Journal of Cardiovascular Electrophysiology</i> , 2018, 29, 274-283.	1.7	12
52	In silico analysis of the relation between conventional and high-power short-duration RF ablation settings and resulting lesion metrics. <i>Journal of Cardiovascular Electrophysiology</i> , 2020, 31, 1332-1339.	1.7	12
53	Three-dimensional image integration guidance for cryoballoon pulmonary vein isolation procedures. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 2790-2796.	1.7	11
54	How to perform ethanol ablation of the vein of Marshall for treatment of atrial fibrillation. <i>Heart Rhythm</i> , 2021, 18, 1083-1087.	0.7	11

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55	Characteristics of macroreentrant atrial tachycardias using an anatomical bypass: Pseudoâ€focal atrial tachycardia case series. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 2451-2461.	1.7	11
56	Purkinje triggers of ventricular fibrillation in patients with hypertrophic cardiomyopathy. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 2987-2994.	1.7	11
57	Right ventricular outflow tract electroanatomical abnormalities in asymptomatic and highâ€risk symptomatic patients with Brugada syndrome: Evidence for a new risk stratification tool?. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 2997-3007.	1.7	11
58	Is it feasible to offer â€targeted ablationâ€™ of ventricular tachycardia circuits with better understanding of isthmus anatomy and conduction characteristics?. <i>Europace</i> , 2019, 21, i27-i33.	1.7	10
59	Differentiating atrial tachycardias with centrifugal activation: Lessons from high-resolution mapping. <i>Heart Rhythm</i> , 2021, 18, 1122-1131.	0.7	10
60	Is VF an Ablatable Rhythm?. <i>Current Treatment Options in Cardiovascular Medicine</i> , 2017, 19, 14.	0.9	9
61	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.	1.7	9
62	Atrial tachycardia circuits include low voltage area from index atrial fibrillation ablation relationship between RF ablation lesion and AT. <i>Journal of Cardiovascular Electrophysiology</i> , 2020, 31, 1640-1648.	1.7	9
63	Influence of contact force on voltage mapping: A combined magnetic resonance imaging and electroanatomic mapping study in patients with tetralogy of Fallot. <i>Heart Rhythm</i> , 2018, 15, 1198-1205.	0.7	8
64	Distribution of atrial low voltage induced by vein of Marshall ethanol infusion. <i>Journal of Cardiovascular Electrophysiology</i> , 2022, 33, 1687-1693.	1.7	8
65	Malignant Purkinje ectopy induced by sodium channel blockers. <i>Heart Rhythm</i> , 2022, 19, 1595-1603.	0.7	8
66	Optimized Computed Tomography Acquisition Protocol for Ethanol Infusion Into the Vein of Marshall. <i>JACC: Clinical Electrophysiology</i> , 2022, 8, 168-178.	3.2	7
67	Highâ€density contact and noninvasive mapping of focal atrial tachycardia: Evidence of dual endocardial exits from an epicardial focus. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2018, 41, 666-668.	1.2	6
68	Does Ventricular Tachycardia Ablation Targeting Local Abnormal Ventricular Activity Elimination Reduce Ventricular Fibrillation Incidence?. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e006857.	4.8	5
69	Ligament of Marshall ablation for persistent atrial fibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2021, 44, 782-791.	1.2	5
70	Role of endocardial ablation in eliminating an epicardial arrhythmogenic substrate in patients with Brugada syndrome. <i>Heart Rhythm</i> , 2021, 18, 1673-1681.	0.7	5
71	Insights Into the Spatiotemporal Patterns of Complexity of Ventricular Fibrillation by Multilead Analysis of Body Surface Potential Maps. <i>Frontiers in Physiology</i> , 2020, 11, 554838.	2.8	5
72	Catheter Ablation for Ventricular Tachycardia in Patients with Nonischemic Cardiomyopathy. <i>Cardiac Electrophysiology Clinics</i> , 2017, 9, 47-54.	1.7	4

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73	High-risk atrioventricular block in Brugada syndrome patients with a history of syncope. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 772-781.	1.7	4
74	Significance of manifest localized staining during ethanol infusion into the vein of Marshall. <i>Heart Rhythm</i> , 2021, 18, 1057-1063.	0.7	4
75	Persistent atrial fibrillation ablation in cardiac laminopathy: Electrophysiological findings and clinical outcomes. <i>Heart Rhythm</i> , 2021, 18, 1115-1121.	0.7	4
76	Frontiers in non-invasive cardiac mapping: future implications for arrhythmia treatment. <i>Minerva Cardiology and Angiology</i> , 2017, 66, 75-82.	0.7	4
77	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.	1.7	4
78	Effect of activation wavefront on electrogram characteristics during ventricular tachycardia ablation. <i>Europace</i> , 2017, 19, i16-i16.	1.7	3
79	Impairment of the antegrade fast pathway in patients with atrioventricular nodal reentrant tachycardia can be functional and treated by slow pathway ablation: a case report study. <i>European Heart Journal - Case Reports</i> , 2018, 2, yty078.	0.6	3
80	Electrogram fractionation during sinus rhythm occurs in normal voltage atrial tissue in patients with atrial fibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2022, 45, 219-228.	1.2	3
81	209-05: Does flecainide pre-treatment helps to identify the most important players?. <i>Europace</i> , 2016, 18, i141-i141.	1.7	2
82	216-28: Electrophysiological effects of amiodarone in patients with persistent atrial fibrillation. <i>Europace</i> , 2016, 18, i148-i148.	1.7	2
83	Larger and deeper ventricular lesions using a novel expandable spherical monopolar irrigated radiofrequency ablation catheter. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 1644-1651.	1.7	2
84	Local abnormal ventricular activity detection in scar-related VT: Microelectrode versus conventional bipolar electrode. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2021, 44, 1075-1084.	1.2	2
85	Accuracy of automatic abnormal potential annotation for substrate identification in scar-related ventricular tachycardia. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 2216-2224.	1.7	2
86	Preoperative personalization of atrial fibrillation ablation strategy to prevent esophageal injury: Impact of changes in esophageal position. <i>Journal of Cardiovascular Electrophysiology</i> , 2022, , .	1.7	2
87	Multiple narrow complex tachycardias: What are the mechanisms?. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2017, 40, 728-731.	1.2	1
88	P385 Relationship of voltage and EGM duration at sites of fractionation during atrial tachycardias and paced rhythms. <i>Europace</i> , 2017, 19, iii75-iii75.	1.7	1
89	Evaluation of the QT interval in patients with drug-induced QT prolongation and torsades de pointes. <i>Journal of Cardiovascular Electrophysiology</i> , 2020, 31, 2696-2701.	1.7	1
90	Near-field signals detected by a standard bipolar electrode without detection of corresponding signals by microelectrode: What is the mechanism?. <i>Journal of Cardiovascular Electrophysiology</i> , 2020, 31, 1851-1853.	1.7	1

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91	Mechanism of premature ventricular complexes in a patient with ischemic cardiomyopathy. Journal of Cardiovascular Electrophysiology, 2021, 32, 1982-1984.	1.7	1
92	B-PO05-105 VEIN OF MARSHALL ETHANOL INJECTION IN ATRIAL FIBRILLATION PATIENTS WITH LEFT VENTRICULAR CARDIAC RESYNCHRONIZATION THERAPY LEADS IN THE CORONARY SINUS. Heart Rhythm, 2021, 18, S414-S415.	0.7	1
93	Catheter Ablation for Atrial Fibrillation in Hyperthyroid Patients. Circulation: Arrhythmia and Electrophysiology, 2021, 14, e010200.	4.8	1
94	Radiofrequency ablation of ventricular fibrillation. Heart Rhythm, 2021, 18, 2016-2017.	0.7	1
95	P386Relationship between scar and atrial tachycardia mechanisms: insight from registered magnetic resonance and ultra-high density activation mapping using the Rhythmia system. Europace, 2017, 19, iii75-iii76.	1.7	0
96	752Long-term outcome of LAVA elimination in ablation of post-myocardial infarction ventricular tachycardia. Europace, 2017, 19, iii135-iii135.	1.7	0
97	1219Comparison of procedural endpoints for ablation of post-myocardial infarction ventricular tachycardia. Europace, 2017, 19, iii251-iii251.	1.7	0
98	P1393Pattern and timing of coronary sinus activation in complex atrial tachycardia. Europace, 2017, 19, iii274-iii274.	1.7	0
99	P253Can EGM fractionation occur in healthy tissue? Electrophysiological mechanism and significance during atrial tachycardia rhythm. Europace, 2017, 19, iii31-iii31.	1.7	0
100	P1112Long-term outcome of LAVA elimination in ablation of post-myocardial infarction ventricular tachycardia. European Heart Journal, 2017, 38, .	2.2	0
101	77USe of ultra-high density activation mapping to aid isthmus identification in atrial macro-reentrant tachycardias in complex congenital heart disease. Europace, 2017, 19, i34-i34.	1.7	0
102	Double loop reentrant atrial tachycardia following ablation for atrioventricular nodal reentrant tachycardia. Journal of Electrocardiology, 2018, 51, 677-679.	0.9	0
103	Atrial tachycardia after conversion to extra-cardiac Fontan conduit: critical role of surgery-related electrical gaps. Europace, 2018, 20, 2035-2035.	1.7	0
104	Ventriculoatrial interval variation following atrio-His block during wide-QRS-complex tachycardia with 1:1 ventriculoatrial relationship: What is the diagnosis?. Journal of Electrocardiology, 2021, 64, 12-13.	0.9	0
105	Varying physiologic ventricular resynchronization with changes in atrial rhythm in a patient with a right-sided accessory pathway and right bundle branch block. Journal of Electrocardiology, 2021, 66, 122-124.	0.9	0
106	The role of marshall bundle epicardial connections in atrial tachycardias after atrial fibrillation ablation. Europace, 2021, 23, .	1.7	0
107	B-PO02-118 LEFT ATRIAL FUNCTION AFTER SUCCESSFUL ABLATION FOR PERSISTENT ATRIAL FIBRILLATION USING THE MARSHALL-PLAN STRATEGY. Heart Rhythm, 2021, 18, S145-S146.	0.7	0
108	B-PO04-171 SUBTLE ABNORMALITIES OF REPOLARIZATION IN PATIENTS WITH IDIOPATHIC VF. Heart Rhythm, 2021, 18, S348.	0.7	0

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109	B-PO03-084 CATHETER ABLATION FOR ATRIAL FIBRILLATION IN HYPERTHYROID PATIENTS. Heart Rhythm, 2021, 18, S222-S223.	0.7	0
110	B-PO03-074 COMPARATIVE ANALYSIS OF THE MARSHALL-PLAN AND DRIVER-GUIDED ABLATION WITH ARRHYTHMIA TERMINATION AS PROCEDURAL ENDPOINT IN PATIENTS WITH PERSISTENT ATRIAL FIBRILLATION. Heart Rhythm, 2021, 18, S218-S219.	0.7	0
111	B-AB12-02 VEIN OF MARSHALL ETHANOL INFUSION: FEASIBILITY, PITFALLS, AND COMPLICATIONS IN OVER 700 PATIENTS. Heart Rhythm, 2021, 18, S23.	0.7	0