Claire A Martin

List of Publications by Year
in descending order

77 papers	1,560 citations	279798 23 h-index	345221 36 g-index
77 all docs	77 docs citations	77 times ranked	1500 citing authors

#	Article	IF	Citations
1	Highâ€power shortâ€duration versus standard radiofrequency ablation: Insights on lesion metrics. Journal of Cardiovascular Electrophysiology, 2018, 29, 1570-1575.	1.7	159
2	Revisiting anatomic macroreentrant tachycardia after atrial fibrillation ablation using ultrahigh-resolution mapping: Implications for ablation. Heart Rhythm, 2018, 15, 326-333.	0.7	73
3	Characteristics of Scar-Related Ventricular Tachycardia Circuits Using Ultra-High-Density Mapping. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e006569.	4.8	72
4	Sudden cardiac death and inherited channelopathy: the basic electrophysiology of the myocyte and myocardium in ion channel disease. Heart, 2012, 98, 536-543.	2.9	67
5	The role of Marshall bundle epicardial connections in atrial tachycardias after atrial fibrillation ablation. Heart Rhythm, 2019, 16, 1341-1347.	0.7	62
6	First clinical use of novel ablation catheter incorporating local impedance data. Journal of Cardiovascular Electrophysiology, 2018, 29, 1197-1206.	1.7	59
7	Characteristics of Single-Loop Macroreentrant Biatrial Tachycardia Diagnosed by Ultrahigh-Resolution Mapping System. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e005558.	4.8	57
8	Long-Term Outcome of Substrate Modification in Ablation of Postâ€“Myocardial Infarction Ventricular Tachycardia. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e005635.	4.8	51
9	A Primary Prevention Clinical Risk Score Model for Patients With Brugada Syndrome (BRUGADA-RISK). JACC: Clinical Electrophysiology, 2021, 7, 210-222.	3.2	50
10	In vivo studies of Scn5a+/â^' mice modeling Brugada syndrome demonstrate both conduction and repolarization abnormalities. Journal of Electrocardiology, 2010, 43, 433-439.	0.9	41
11	Mechanism of Recurrence of Atrial Tachycardia. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e007273.	4.8	41
12	Increased Right Ventricular Repolarization Gradients Promote Arrhythmogenesis in a Murine Model of Brugada Syndrome. Journal of Cardiovascular Electrophysiology, 2010, 21, 1153-1159.	1.7	39
13	Characterizing localized reentry with high-resolution mapping: Evidence for multiple slow conducting isthmuses within the circuit. Heart Rhythm, 2019, 16, 679-685.	0.7	37
14	Mapping of reentrant spontaneous polymorphic ventricular tachycardia in a Scn5a+/â^' mouse model. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H1853-H1862.	3.2	35
15	Comprehensive Multicenter Study of the Common Isthmus in Postâ€“Atrial Fibrillation Ablation Multiple-Loop Atrial Tachycardia. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e006019.	4.8	34
16	Use of Novel Electrogram â€œLumipointâ€•Algorithm to Detect Critical Isthmus and Abnormal Potentials for Ablation in Ventricular Tachycardia. JACC: Clinical Electrophysiology, 2019, 5, 470-479.	3.2	34
17	Reduced Na ⁺ and higher K ⁺ channel expression and function contribute to right ventricular origin of arrhythmias in Scn5a+/â^' mice. Open Biology, 2012, 2, 120072.	3.6	32
18	Insights from atrial surface activation throughout atrial tachycardia cycle length: A new mapping tool. Heart Rhythm, 2019, 16, 1652-1660.	0.7	31

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19	Improved outcome and cost effectiveness in ablation of persistent atrial fibrillation under general anaesthetic. Europace, 2018, 20, 935-942.	1.7	27
20	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. Journal of Cardiovascular Electrophysiology, 2019, 30, 1443-1451.	1.7	27
21	Spatial and temporal heterogeneities are localized to the right ventricular outflow tract in a heterozygotic Scn5a mouse model. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H605-H616.	3.2	26
22	Mapping and Ablation of Idiopathic Ventricular Fibrillation. Frontiers in Cardiovascular Medicine, 2018, 5, 123.	2.4	26
23	Temperature- and flow-controlled ablation/very-high-power short-duration ablation vs conventional power-controlled ablation: Comparison of focal and linear lesion characteristics. Heart Rhythm, 2021, 18, 553-561.	0.7	26
24	Refractory dispersion promotes conduction disturbance and arrhythmias in a Scn5a +/â^' mouse model. Pflugers Archiv European Journal of Physiology, 2011, 462, 495-504.	2.8	25
25	Atrial fibrillation in Brugada syndrome: Current perspectives. Journal of Cardiovascular Electrophysiology, 2020, 31, 975-984.	1.7	25
26	Panoramic atrial mapping with basket catheters: A quantitative analysis to optimize practice, patient selection, and catheter choice. Journal of Cardiovascular Electrophysiology, 2017, 28, 1423-1432.	1.7	24
27	Acute and mid-term outcome of ethanol infusion of vein of Marshall for the treatment of perimitral flutter. Europace, 2020, 22, 1252-1260.	1.7	24
28	Impact of Spacing and Orientation on the Scar Threshold With a High-Density Grid Catheter. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007158.	4.8	22
29	Effect of Activation Wavefront on Electrogram Characteristics During Ventricular Tachycardia Ablation. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007293.	4.8	21
30	Detailed comparison between the wall thickness and voltages in chronic myocardial infarction. Journal of Cardiovascular Electrophysiology, 2019, 30, 195-204.	1.7	20
31	Impedance, power, and current in radiofrequency ablation: Insights from technical, ex vivo, and clinical studies. Journal of Cardiovascular Electrophysiology, 2020, 31, 2836-2845.	1.7	20
32	A simple mechanism underlying the behavior of reentrant atrial tachycardia during ablation. Heart Rhythm, 2019, 16, 553-561.	0.7	17
33	Effect of electrode size and spacing on electrograms: Optimized electrode configuration for near-field electrogram characterization. Heart Rhythm, 2022, 19, 102-112.	0.7	16
34	Role of cardiac imaging and three-dimensional printing in percutaneous appendage closure. Archives of Cardiovascular Diseases, 2018, 111, 411-420.	1.6	15
35	Ultraâ€“High-Density Activation Mapping to Aid Isthmus Identification of Atrial Tachycardias in Congenital Heart Disease. JACC: Clinical Electrophysiology, 2019, 5, 1459-1472.	3.2	15
36	Clinical implications of local impedance measurement using the IntellaNav MiFi OI ablation catheter: an ex vivo study. Journal of Interventional Cardiac Electrophysiology, 2022, 63, 185-195.	1.3	15

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37	The role of ion channelopathies in sudden cardiac death: Implications for clinical practice. Annals of Medicine, 2013, 45, 364-374.	3.8	12
38	In silico analysis of the relation between conventional and highâ€power shortâ€duration RF ablation settings and resulting lesion metrics. Journal of Cardiovascular Electrophysiology, 2020, 31, 1332-1339.	1.7	12
39	Impact of a formula combining local impedance and conventional parameters on lesion size prediction. Journal of Interventional Cardiac Electrophysiology, 2022, 63, 389-398.	1.3	12
40	Threeâ€dimensional image integration guidance for cryoballoon pulmonary vein isolation procedures. Journal of Cardiovascular Electrophysiology, 2019, 30, 2790-2796.	1.7	11
41	The RV1-V3 transition ratio: A novel electrocardiographic criterion for the differentiation of right versus left outflow tract premature ventricular complexes. Heart Rhythm O2, 2021, 2, 521-528.	1.7	11
42	Differentiating atrial tachycardias with centrifugal activation: Lessons from high-resolution mapping. Heart Rhythm, 2021, 18, 1122-1131.	0.7	10
43	Predictive factors for residual hypertension following aortic coarctation stenting. Journal of Clinical Hypertension, 2019, 21, 291-298.	2.0	9
44	Use of high-density activation and voltage mapping in combination with entrainment to delineate gap-related atrial tachycardias post atrial fibrillation ablation. Europace, 2021, 23, 1052-1062.	1.7	9
45	Atrial tachycardia circuits include low voltage area from index atrial fibrillation ablation relationship between RF ablation lesion and AT. Journal of Cardiovascular Electrophysiology, 2020, 31, 1640-1648.	1.7	9
46	Progressive Conduction Diseases. Cardiac Electrophysiology Clinics, 2010, 2, 509-519.	1.7	8
47	Recent Developments in the Management of Patients at Risk for Sudden Cardiac Death. Postgraduate Medicine, 2011, 123, 84-94.	2.0	8
48	Ablation of Complex Fractionated Electrograms Improves Outcome in Persistent Atrial Fibrillation of Over 2 Yearsâ€™ Duration.. Journal of Atrial Fibrillation, 2018, 10, 1607.	0.5	8
49	Left atrial voltage mapping using a new impedanceâ€based algorithm in patients with paroxysmal atrial fibrillation. PACE - Pacing and Clinical Electrophysiology, 2018, 41, 1447-1453.	1.2	7
50	PolarX Cryoballoon metrics predicting successful pulmonary vein isolation: targets for ablation of atrial fibrillation. Europace, 2022, 24, 1420-1429.	1.7	7
51	Unusual cause of poor response to cardiac resynchronisation therapy. Heart, 2014, 100, 514-514.	2.9	6
52	Specific electrogram characteristics impact substrate ablation target area in patients with scarâ€related ventricular tachycardiaâ€”insights from automated ultrahighâ€density mapping. Journal of Cardiovascular Electrophysiology, 2021, 32, 376-388.	1.7	6
53	Impact of tip design and thermocouple location on the efficacy and safety of radiofrequency application. Journal of Interventional Cardiac Electrophysiology, 2023, 66, 885-896.	1.3	6
54	Ligament of Marshall ablation for persistent atrial fibrillation. PACE - Pacing and Clinical Electrophysiology, 2021, 44, 782-791.	1.2	5

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55	Comparison of two catheters measuring local impedance: local impedance variation vs lesion characteristics and steam pops. Journal of Interventional Cardiac Electrophysiology, 2022, 65, 419-428.	1.3	5
56	Syncope in a young man: Role of Purkinje fibres in idiopathic ventricular fibrillation. Indian Pacing and Electrophysiology Journal, 2017, 17, 113-115.	0.6	4
57	Cryoballoon pulmonary vein isolation as first line treatment for typical atrial flutter (CRAFT): study protocol for a randomised controlled trial. Journal of Interventional Cardiac Electrophysiology, 2021, 60, 427-432.	1.3	4
58	Two consecutive ATs demonstrating a centrifugal pattern; What is theÂmechanism?. Journal of Cardiovascular Electrophysiology, 2019, 30, 978-980.	1.7	3
59	Creation of sinus rhythm and paced maps using a single acquisition step: the â€œone acquisition-two mapsâ€•techniqueâ€”a feasibility study. Journal of Interventional Cardiac Electrophysiology, 2021, 61, 235-243.	1.3	3
60	Basket catheter-guided ultra-high-density mapping of cardiac arrhythmias: a systematic review and meta-analysis. Future Cardiology, 2020, 16, 735-751.	1.2	3
61	Novel technique targeting left ventricular summit premature ventricular contractions using radiofrequency ablation through a guidewire. HeartRhythm Case Reports, 2021, 7, 134-138.	0.4	3
62	Electrogram fractionation during sinus rhythm occurs in normal voltage atrial tissue in patients with atrial fibrillation. PACE - Pacing and Clinical Electrophysiology, 2022, 45, 219-228.	1.2	3
63	Simple and novel technique to confirm complete mitral isthmus block. Journal of Cardiovascular Electrophysiology, 2018, 29, 1379-1387.	1.7	2
64	Larger and deeper ventricular lesions using a novel expandable spherical monopolar irrigated radiofrequency ablation catheter. Journal of Cardiovascular Electrophysiology, 2019, 30, 1644-1651.	1.7	2
65	Management of arrhythmias in pulmonary hypertension. Journal of Interventional Cardiac Electrophysiology, 2021, 62, 219-229.	1.3	2
66	Palpitations in a 72-year-old woman. Heart, 2017, 103, 1554-1555.	2.9	1
67	Perimitral flutter with a long epicardial bypass tract successfully treated by selective ethanol infusion to a branch of the vein of Marshall. Europace, 2020, 22, 1787-1787.	1.7	1
68	Scar Tissue. JACC: Clinical Electrophysiology, 2020, 6, 219-220.	3.2	1
69	Life-threatening junctional ectopic tachycardia storm after injury around the atrioventricular-node successfully treated by mini-pulse corticosteroid therapy. Europace, 2021, 23, 430-430.	1.7	1
70	Prevalence and clinical significance of conduction disease in patients with idiopathic pulmonary arterial hypertension. Journal of Heart and Lung Transplantation, 2022, 41, 861-865.	0.6	1
71	Holiday Shocker: An Unusual Cause of Implantable Cardioverter Defibrillator Therapy. PACE - Pacing and Clinical Electrophysiology, 2015, 38, 1114-1116.	1.2	0
72	34â€…Use of general anaesthesia in catheter ablation of persistent af: improved outcome and cost effectiveness. Heart, 2017, 103, A27-A28.	2.9	0

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73	Inherited Conduction Disease and Atrial Fibrillation. , 2018, , 481-522.		0
74	Sudden-onset severe presyncope in a 67-year-old man. Heart, 2019, 105, heartjnl-2018-314118.	2.9	0
75	A broad complex tachycardia suggesting global ischemia or repolarization abnormalities. Journal of Arrhythmia, 2021, 37, 1110-1113.	1.2	0
76	Pleuritic chest pain postcatheter ablation procedure. Heart, 2021, 107, 1543-1602.	2.9	0
77	The impact of ultra-high-density mapping on long-term outcome after catheter ablation of ventricular tachycardia. Scientific Reports, 2022, 12, .	3.3	0