Michel HaÃ¯ssaguerre

List of Publications by Year
in descending order

90 papers	4,616 citations	126708 33 h-index	106150 65 g-index
92 all docs	92 docs citations	92 times ranked	3938 citing authors

#	Article	IF	Citations
1	Spectral Analysis Identifies Sites of High-Frequency Activity Maintaining Atrial Fibrillation in Humans. Circulation, 2005, 112, 789-797.	1.6	785
2	Elimination of Local Abnormal Ventricular Activities. Circulation, 2012, 125, 2184-2196.	1.6	538
3	The Early Repolarization Pattern. Journal of the American College of Cardiology, 2015, 66, 470-477.	1.2	306
4	Highâ€power shortâ€duration versus standard radiofrequency ablation: Insights on lesion metrics. Journal of Cardiovascular Electrophysiology, 2018, 29, 1570-1575.	0.8	159
5	Ventricular arrhythmias and the Hisâ€“Purkinje system. Nature Reviews Cardiology, 2016, 13, 155-166.	6.1	147
6	Cardiac Electrophysiological Substrate Underlying the ECG Phenotype and Electrogram Abnormalities in Brugada Syndrome Patients. Circulation, 2015, 131, 1950-1959.	1.6	139
7	Relationship Between Fibrosis Detected onÂLateÂGadolinium-Enhanced CardiacÂMagnetic Resonance and Re-EntrantÂActivity Assessed WithÂElectrocardiographic Imaging inÂHumanÂPersistent Atrial Fibrillation. JACC: Clinical Electrophysiology, 2018, 4, 17-29.	1.3	109
8	Regional Myocardial Wall Thinning at Multidetector Computed Tomography Correlates to Arrhythmogenic Substrate in Postinfarction Ventricular Tachycardia. Circulation: Arrhythmia and Electrophysiology, 2013, 6, 342-350.	2.1	108
9	Performance and limitations of noninvasive cardiac activation mapping. Heart Rhythm, 2019, 16, 435-442.	0.3	108
10	Image Integration to Guide Catheter Ablation in Scarâ€Related Ventricular Tachycardia. Journal of Cardiovascular Electrophysiology, 2016, 27, 699-708.	0.8	106
11	Catheter Ablation of Accessory Pathways: Technique and Results in 248 Patients. PACE - Pacing and Clinical Electrophysiology, 1990, 13, 1609-1614.	0.5	85
12	Validating QT-Interval Measurement Using the Apple Watch ECG to Enable Remote Monitoring During the COVID-19 Pandemic. Circulation, 2020, 142, 416-418.	1.6	79
13	Electrophysiologic Substrate in Congenital Long QT Syndrome. Circulation, 2014, 130, 1936-1943.	1.6	74
14	Characteristics of Scar-Related Ventricular Tachycardia Circuits Using Ultra-High-Density Mapping. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e006569.	2.1	72
15	Insight into the mechanism of Brugada syndrome: Epicardial substrate and modification during ajmaline testing. Heart Rhythm, 2014, 11, 732-734.	0.3	69
16	Localized Structural Alterations Underlying a Subset of Unexplained Sudden Cardiac Death. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e006120.	2.1	67
17	Marshall bundle elimination, Pulmonary vein isolation, and Line completion for ANatomical ablation of persistent atrial fibrillation (Marshall-PLAN): Prospective, single-center study. Heart Rhythm, 2021, 18, 529-537.	0.3	65
18	The role of Marshall bundle epicardial connections in atrial tachycardias after atrial fibrillation ablation. Heart Rhythm, 2019, 16, 1341-1347.	0.3	62

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19	MARSHALL bundles elimination, Pulmonary veins isolation and Lines completion for ANatomical ablation of persistent atrial fibrillation: MARSHALLâ€PLAN case series. Journal of Cardiovascular Electrophysiology, 2019, 30, 7-15.	0.8	62
20	Idiopathic Ventricular Fibrillation. JACC: Clinical Electrophysiology, 2020, 6, 591-608.	1.3	60
21	First clinical use of novel ablation catheter incorporating local impedance data. Journal of Cardiovascular Electrophysiology, 2018, 29, 1197-1206.	0.8	59
22	Characteristics of Single-Loop Macroreentrant Biatrial Tachycardia Diagnosed by Ultrahigh-Resolution Mapping System. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e005558.	2.1	57
23	Catheter Ablation of Refractory Ventricular Fibrillation Storm After Myocardial Infarction. Circulation, 2019, 139, 2315-2325.	1.6	55
24	Depolarization versus repolarization abnormality underlying inferolateral J-wave syndromes: New concepts in sudden cardiac death with apparently normal hearts. Heart Rhythm, 2019, 16, 781-790.	0.3	52
25	Impact of Vein of Marshall Ethanol Infusion on Mitral Isthmus Block. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e008884.	2.1	49
26	High-Power (40â€“50 W) Radiofrequency Ablation Guided by Unipolar Signal Modification for Pulmonary Vein Isolation. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007304.	2.1	48
27	Ablation of Atrial Fibrillation. Circulation, 2016, 134, 339-352.	1.6	46
28	Atrial Fibrillation Complexity Parameters Derived From Surface ECGs Predict Procedural Outcome and Long-Term Follow-Up of Stepwise Catheter Ablation for Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2016, 9, e003354.	2.1	44
29	Characterization of Contact Force During Endocardial and Epicardial Ventricular Mapping. Circulation: Arrhythmia and Electrophysiology, 2014, 7, 1168-1173.	2.1	42
30	Distinctive Left Ventricular Activations Associated With ECG Pattern in Heart Failure Patients. Circulation: Arrhythmia and Electrophysiology, 2017, 10, .	2.1	41
31	Mechanism of Recurrence of Atrial Tachycardia. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e007273.	2.1	41
32	Vein of Marshall Ethanol Infusion: Feasibility, Pitfalls, and Complications in Over 700 Patients. Circulation: Arrhythmia and Electrophysiology, 2021, 14, e010001.	2.1	38
33	Body Surface Electrocardiographic Mapping for Non-invasive Identification of Arrhythmic Sources. Arrhythmia and Electrophysiology Review, 2013, 2, 16.	1.3	36
34	The Electrophysiological Substrate of Early Repolarization Syndrome. JACC: Clinical Electrophysiology, 2017, 3, 894-904.	1.3	36
35	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.	1.3	34
36	Accuracy of a Smartwatch-Derived ECG for Diagnosing Bradyarrhythmias, Tachyarrhythmias, and Cardiac Ischemia. Circulation: Arrhythmia and Electrophysiology, 2021, 14, e009260.	2.1	30

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37	Purkinje network and myocardial substrate at the onset of human ventricular fibrillation: implications for catheter ablation. European Heart Journal, 2022, 43, 1234-1247.	1.0	30
38	Electrical Substrates Driving Response to Cardiac Resynchronization Therapy. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e005647.	2.1	27
39	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.	0.8	27
40	Smartwatch-based detection of cardiac arrhythmias: Beyond the differentiation between sinus rhythm and atrial fibrillation. Heart Rhythm, 2021, 18, 1524-1532.	0.3	27
41	90 vs 50-Watt Radiofrequency Applications for Pulmonary Vein Isolation: Experimental and Clinical Findings. Circulation: Arrhythmia and Electrophysiology, 2022, 15, 101161CIRCEP121010663.	2.1	27
42	Mapping and Ablation of Idiopathic Ventricular Fibrillation. Frontiers in Cardiovascular Medicine, 2018, 5, 123.	1.1	26
43	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.	0.3	26
44	Using a smartwatch electrocardiogram to detect abnormalities associated with sudden cardiac arrest in young adults. Europace, 2022, 24, 406-412.	0.7	25
45	Response to cardiac resynchronization therapy is determined by intrinsic electrical substrate rather than by its modification. International Journal of Cardiology, 2018, 270, 143-148.	0.8	24
46	Acute and mid-term outcome of ethanol infusion of vein of Marshall for the treatment of perimitral flutter. Europace, 2020, 22, 1252-1260.	0.7	24
47	Advantages and pitfalls of noninvasive electrocardiographic imaging. Journal of Electrocardiology, 2019, 57, S15-S20.	0.4	23
48	Impact of Spacing and Orientation on the Scar Threshold With a High-Density Grid Catheter. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007158.	2.1	22
49	Effect of Activation Wavefront on Electrogram Characteristics During Ventricular Tachycardia Ablation. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007293.	2.1	21
50	Idiopathic ventricular fibrillation with repetitive activity inducible within the distal Purkinje system. Heart Rhythm, 2019, 16, 1268-1272.	0.3	21
51	Oversensing issues leading to device extraction: When subcutaneous implantable cardioverter-defibrillator reached a dead-end. Heart Rhythm, 2020, 17, 66-74.	0.3	21
52	Detailed comparison between the wall thickness and voltages in chronic myocardial infarction. Journal of Cardiovascular Electrophysiology, 2019, 30, 195-204.	0.8	20
53	Characterization of Complex Atrial Tachycardia in Patients With Previous Atrial Interventions Using High-Resolution Mapping. JACC: Clinical Electrophysiology, 2020, 6, 815-826.	1.3	20
54	Multisite conduction block in the epicardial substrate of Brugada syndrome. Heart Rhythm, 2022, 19, 417-426.	0.3	20

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55	Smartwatch Electrocardiograms for Automated and Manual Diagnosis of Atrial Fibrillation: A Comparative Analysis of Three Models. Frontiers in Cardiovascular Medicine, 2022, 9, 836375.	1.1	20
56	Platelet function and microparticle levels in atrial fibrillation: Changes during the acute episode. International Journal of Cardiology, 2017, 243, 216-222.	0.8	18
57	A simple mechanism underlying the behavior of reentrant atrial tachycardia during ablation. Heart Rhythm, 2019, 16, 553-561.	0.3	17
58	Electrocardiographic Imaging of Repolarization Abnormalities. Journal of the American Heart Association, 2021, 10, e020153.	1.6	17
59	Noninvasive Assessment of Atrial Fibrillation Complexity in Relation to Ablation Characteristics and Outcome. Frontiers in Physiology, 2018, 9, 929.	1.3	16
60	Right Ventricular Electrical Activation in Patients With Repaired Tetralogy of Fallots. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007141.	2.1	16
61	Sex differences in the origin of Purkinje ectopy-initiated idiopathic ventricular fibrillation. Heart Rhythm, 2021, 18, 1647-1654.	0.3	15
62	Noninvasive detection of spatiotemporal activation-repolarization interactions that prime idiopathic ventricular fibrillation. Science Translational Medicine, 2021, 13, eabi9317.	5.8	14
63	Estimation of Personalized Minimal Purkinje Systems From Human Electro-Anatomical Maps. IEEE Transactions on Medical Imaging, 2021, 40, 2182-2194.	5.4	13
64	Optical Imaging of Ventricular Action Potentials in a Torso Tank: A New Platform for Non-Invasive Electrocardiographic Imaging Validation. Frontiers in Physiology, 2019, 10, 146.	1.3	10
65	The Spectrum of Idiopathic Ventricular Fibrillation and J-Wave Syndromes. Cardiac Electrophysiology Clinics, 2019, 11, 699-709.	0.7	10
66	Beyond the wrist: Using a smartwatch electrocardiogram to detect electrocardiographic abnormalities. Archives of Cardiovascular Diseases, 2022, 115, 29-36.	0.7	10
67	Propagation Failure by TRPM4 Overexpression. Biophysical Journal, 2019, 116, 469-476.	0.2	9
68	Left-axis deviation in patients with nonischemic heart failure and left bundle branch block is a purely electrical phenomenon. Heart Rhythm, 2021, 18, 1352-1360.	0.3	9
69	Why Ablation of Sites With Purkinje Activation Is Antiarrhythmic: The Interplay Between Fast Activation and Arrhythmogenesis. Frontiers in Physiology, 2021, 12, 648396.	1.3	8
70	Distribution of atrial low voltage induced by vein of Marshall ethanol infusion. Journal of Cardiovascular Electrophysiology, 2022, 33, 1687-1693.	0.8	8
71	Remote monitoring of patients with heart failure during the first national lockdown for COVID-19 in France. European Heart Journal Digital Health, 2021, 2, 487-493.	0.7	7
72	Animal Models of Repaired Tetralogy of Fallot: Current Applications and Future Perspectives. Canadian Journal of Cardiology, 2019, 35, 1762-1771.	0.8	5

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73	Does Ventricular Tachycardia Ablation Targeting Local Abnormal Ventricular Activity Elimination Reduce Ventricular Fibrillation Incidence?. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e006857.	2.1	5
74	Progressive implantable cardioverter-defibrillator therapies for ventricular tachycardia: The efficacy and safety of multiple bursts, ramps, and low-energy shocks. Heart Rhythm, 2020, 17, 2072-2077.	0.3	5
75	Long-Lasting Ventricular Fibrillation in Humans ECG Characteristics and Effect of Radiofrequency Ablation. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e008639.	2.1	5
76	A novel method to correct repolarization time estimation from unipolar electrograms distorted by standard filtering. Medical Image Analysis, 2021, 72, 102075.	7.0	5
77	Role of endocardial ablation in eliminating an epicardial arrhythmogenic substrate in patients with Brugada syndrome. Heart Rhythm, 2021, 18, 1673-1681.	0.3	5
78	Insights Into the Spatiotemporal Patterns of Complexity of Ventricular Fibrillation by Multilead Analysis of Body Surface Potential Maps. Frontiers in Physiology, 2020, 11, 554838.	1.3	5
79	Catheter Ablation for Ventricular Tachycardia in Patients with Nonischemic Cardiomyopathy. Cardiac Electrophysiology Clinics, 2017, 9, 47-54.	0.7	4
80	Highâ€risk atrioventricular block in Brugada syndrome patients with a history of syncope. Journal of Cardiovascular Electrophysiology, 2021, 32, 772-781.	0.8	4
81	On the nature of delays allowing anatomical re-entry involving the Purkinje network: a simulation study. Europace, 2021, 23, i71-i79.	0.7	3
82	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
83	Early Signs of Critical Slowing Down in Heart Surface Electrograms of Ventricular Fibrillation Victims. Lecture Notes in Computer Science, 2020, , 334-347.	1.0	3
84	Local abnormal ventricular activity detection in scarâ€related VT: Microelectrode versus conventional bipolar electrode. PACE - Pacing and Clinical Electrophysiology, 2021, 44, 1075-1084.	0.5	2
85	Accuracy of automatic abnormal potential annotation for substrate identification in scarâ€related ventricular tachycardia. Journal of Cardiovascular Electrophysiology, 2021, 32, 2216-2224.	0.8	2
86	Response by Link et al to Letter Regarding Article, â€œAblation of Atrial Fibrillation: Patient Selection, Periprocedural Anticoagulation, Techniques, and Preventive Measures After Ablationâ€. Circulation, 2017, 135, e3-e4.	1.6	1
87	Dormant conduction in the right ventricular outflow tract unmasked by adenosine in a patient with Brugada syndrome. Journal of Cardiovascular Electrophysiology, 2021, 32, 1182-1186.	0.8	1
88	Catheter Ablation for Atrial Fibrillation in Hyperthyroid Patients. Circulation: Arrhythmia and Electrophysiology, 2021, 14, e010200.	2.1	1
89	Personalization of ventricular cardiac conduction system models to reproduce patient electrocardiogram. , 2021, , .		0
90	Outcome of Patients with Early Repolarization Pattern and Syncope. Heart Rhythm, 2022, , .	0.3	0