

Michel Haÿssaguerre

List of Publications by Year in descending order

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Version: 2024-02-01

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	Using a smartwatch electrocardiogram to detect abnormalities associated with sudden cardiac arrest in young adults. <i>Europace</i> , 2022, 24, 406-412.	0.7	25
2	Multisite conduction block in the epicardial substrate of Brugada syndrome. <i>Heart Rhythm</i> , 2022, 19, 417-426.	0.3	20
3	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
4	Beyond the wrist: Using a smartwatch electrocardiogram to detect electrocardiographic abnormalities. <i>Archives of Cardiovascular Diseases</i> , 2022, 115, 29-36.	0.7	10
5	Smartwatch Electrocardiograms for Automated and Manual Diagnosis of Atrial Fibrillation: A Comparative Analysis of Three Models. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 836375.	1.1	20
6	90 vs 50-Watt Radiofrequency Applications for Pulmonary Vein Isolation: Experimental and Clinical Findings. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2022, 15, 101161CIRCEP121010663.	2.1	27
7	Outcome of Patients with Early Repolarization Pattern and Syncope. <i>Heart Rhythm</i> , 2022, , .	0.3	0
8	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
9	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.	0.3	26
10	On the nature of delays allowing anatomical re-entry involving the Purkinje network: a simulation study. <i>Europace</i> , 2021, 23, i71-i79.	0.7	3
11	Accuracy of a Smartwatch-Derived ECG for Diagnosing Bradyarrhythmias, Tachyarrhythmias, and Cardiac Ischemia. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021, 14, e009260.	2.1	30
12	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
13	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
14	Dormant conduction in the right ventricular outflow tract unmasked by adenosine in a patient with Brugada syndrome. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 1182-1186.	0.8	1
15	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
16	Remote monitoring of patients with heart failure during the first national lockdown for COVID-19 in France. <i>European Heart Journal Digital Health</i> , 2021, 2, 487-493.	0.7	7
17	Electrocardiographic Imaging of Repolarization Abnormalities. <i>Journal of the American Heart Association</i> , 2021, 10, e020153.	1.6	17
18	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.	0.5	2

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19	Accuracy of automatic abnormal potential annotation for substrate identification in scar-related ventricular tachycardia. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 2216-2224.	0.8	2
20	Strategy after vein of Marshall ethanol infusion added to catheter ablation of persistent atrial fibrillation: Please follow the line. <i>Heart Rhythm</i> , 2021, 18, 1055-1056.	0.3	3
21	A novel method to correct repolarization time estimation from unipolar electrograms distorted by standard filtering. <i>Medical Image Analysis</i> , 2021, 72, 102075.	7.0	5
22	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
23	Left-axis deviation in patients with nonischemic heart failure and left bundle branch block is a purely electrical phenomenon. <i>Heart Rhythm</i> , 2021, 18, 1352-1360.	0.3	9
24	Estimation of Personalized Minimal Purkinje Systems From Human Electro-Anatomical Maps. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 2182-2194.	5.4	13
25	Smartwatch-based detection of cardiac arrhythmias: Beyond the differentiation between sinus rhythm and atrial fibrillation. <i>Heart Rhythm</i> , 2021, 18, 1524-1532.	0.3	27
26	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
27	Sex differences in the origin of Purkinje ectopy-initiated idiopathic ventricular fibrillation. <i>Heart Rhythm</i> , 2021, 18, 1647-1654.	0.3	15
28	Catheter Ablation for Atrial Fibrillation in Hyperthyroid Patients. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021, 14, e010200.	2.1	1
29	Noninvasive detection of spatiotemporal activation-repolarization interactions that prime idiopathic ventricular fibrillation. <i>Science Translational Medicine</i> , 2021, 13, eabi9317.	5.8	14
30	Personalization of ventricular cardiac conduction system models to reproduce patient electrocardiogram. , 2021, , .		0
31	Oversensing issues leading to device extraction: When subcutaneous implantable cardioverter-defibrillator reached a dead-end. <i>Heart Rhythm</i> , 2020, 17, 66-74.	0.3	21
32	Progressive implantable cardioverter-defibrillator therapies for ventricular tachycardia: The efficacy and safety of multiple bursts, ramps, and low-energy shocks. <i>Heart Rhythm</i> , 2020, 17, 2072-2077.	0.3	5
33	Long-Lasting Ventricular Fibrillation in Humans ECG Characteristics and Effect of Radiofrequency Ablation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e008639.	2.1	5
34	Impact of Vein of Marshall Ethanol Infusion on Mitral Isthmus Block. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e008884.	2.1	49
35	Validating QT-Interval Measurement Using the Apple Watch ECG to Enable Remote Monitoring During the COVID-19 Pandemic. <i>Circulation</i> , 2020, 142, 416-418.	1.6	79
36	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

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37	Idiopathic Ventricular Fibrillation. JACC: Clinical Electrophysiology, 2020, 6, 591-608.	1.3	60
38	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
39	Mechanism of Recurrence of Atrial Tachycardia. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e007273.	2.1	41
40	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
41	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
42	Advantages and pitfalls of noninvasive electrocardiographic imaging. Journal of Electrocardiology, 2019, 57, S15-S20.	0.4	23
43	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
44	Animal Models of Repaired Tetralogy of Fallot: Current Applications and Future Perspectives. Canadian Journal of Cardiology, 2019, 35, 1762-1771.	0.8	5
45	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
46	The role of Marshall bundle epicardial connections in atrial tachycardias after atrial fibrillation ablation. Heart Rhythm, 2019, 16, 1341-1347.	0.3	62
47	Right Ventricular Electrical Activation in Patients With Repaired Tetralogy of Fallots. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007141.	2.1	16
48	Effect of Activation Wavefront on Electrogram Characteristics During Ventricular Tachycardia Ablation. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007293.	2.1	21
49	High-Power (40-50 W) Radiofrequency Ablation Guided by Unipolar Signal Modification for Pulmonary Vein Isolation. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007304.	2.1	48
50	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. Journal of Cardiovascular Electrophysiology, 2019, 30, 1443-1451.	0.8	27
51	Idiopathic ventricular fibrillation with repetitive activity inducible within the distal Purkinje system. Heart Rhythm, 2019, 16, 1268-1272.	0.3	21
52	Use of Novel Electrogram "Lumipoint" Algorithm to Detect Critical Isthmus and Abnormal Potentials for Ablation in Ventricular Tachycardia. JACC: Clinical Electrophysiology, 2019, 5, 470-479.	1.3	34
53	Catheter Ablation of Refractory Ventricular Fibrillation Storm After Myocardial Infarction. Circulation, 2019, 139, 2315-2325.	1.6	55
54	The Spectrum of Idiopathic Ventricular Fibrillation and J-Wave Syndromes. Cardiac Electrophysiology Clinics, 2019, 11, 699-709.	0.7	10

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55	Does Ventricular Tachycardia Ablation Targeting Local Abnormal Ventricular Activity Elimination Reduce Ventricular Fibrillation Incidence?. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e006857.	2.1	5
56	Propagation Failure by TRPM4 Overexpression. <i>Biophysical Journal</i> , 2019, 116, 469-476.	0.2	9
57	MARSHALL bundles elimination, Pulmonary veins isolation and Lines completion for ANatomical ablation of persistent atrial fibrillation: MARSHALLâ€PLAN case series. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 7-15.	0.8	62
58	Performance and limitations of noninvasive cardiac activation mapping. <i>Heart Rhythm</i> , 2019, 16, 435-442.	0.3	108
59	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
60	A simple mechanism underlying the behavior of reentrant atrial tachycardia during ablation. <i>Heart Rhythm</i> , 2019, 16, 553-561.	0.3	17
61	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
62	Electrical Substrates Driving Response to Cardiac Resynchronization Therapy. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e005647.	2.1	27
63	Characteristics of Single-Loop Macroreentrant Biatrial Tachycardia Diagnosed by Ultrahigh-Resolution Mapping System. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e005558.	2.1	57
64	Relationship Between Fibrosis Detected onâ€Lateâ€Gadolinium-Enhanced Cardiacâ€Magnetic Resonance and Re-Entrantâ€Activity Assessed Withâ€Electrocardiographic Imaging inâ€Humanâ€Persistent Atrial Fibrillation. <i>JACC: Clinical Electrophysiology</i> , 2018, 4, 17-29.	1.3	109
65	Characteristics of Scar-Related Ventricular Tachycardia Circuits Using Ultra-High-Density Mapping. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e006569.	2.1	72
66	Mapping and Ablation of Idiopathic Ventricular Fibrillation. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 123.	1.1	26
67	Highâ€power shortâ€duration versus standard radiofrequency ablation: Insights on lesion metrics. <i>Journal of Cardiovascular Electrophysiology</i> , 2018, 29, 1570-1575.	0.8	159
68	Noninvasive Assessment of Atrial Fibrillation Complexity in Relation to Ablation Characteristics and Outcome. <i>Frontiers in Physiology</i> , 2018, 9, 929.	1.3	16
69	Localized Structural Alterations Underlying a Subset of Unexplained Sudden Cardiac Death. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e006120.	2.1	67
70	First clinical use of novel ablation catheter incorporating local impedance data. <i>Journal of Cardiovascular Electrophysiology</i> , 2018, 29, 1197-1206.	0.8	59
71	Response to cardiac resynchronization therapy is determined by intrinsic electrical substrate rather than by its modification. <i>International Journal of Cardiology</i> , 2018, 270, 143-148.	0.8	24
72	The Electrophysiological Substrate of Early Repolarization Syndrome. <i>JACC: Clinical Electrophysiology</i> , 2017, 3, 894-904.	1.3	36

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73	Distinctive Left Ventricular Activations Associated With ECG Pattern in Heart Failure Patients. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2017, 10, .	2.1	41
74	Catheter Ablation for Ventricular Tachycardia in Patients with Nonischemic Cardiomyopathy. <i>Cardiac Electrophysiology Clinics</i> , 2017, 9, 47-54.	0.7	4
75	Response by Link et al to Letter Regarding Article, "Ablation of Atrial Fibrillation: Patient Selection, Periprocedural Anticoagulation, Techniques, and Preventive Measures After Ablation". <i>Circulation</i> , 2017, 135, e3-e4.	1.6	1
76	Platelet function and microparticle levels in atrial fibrillation: Changes during the acute episode. <i>International Journal of Cardiology</i> , 2017, 243, 216-222.	0.8	18
77	Image Integration to Guide Catheter Ablation in Scar-Related Ventricular Tachycardia. <i>Journal of Cardiovascular Electrophysiology</i> , 2016, 27, 699-708.	0.8	106
78	Ablation of Atrial Fibrillation. <i>Circulation</i> , 2016, 134, 339-352.	1.6	46
79	Atrial Fibrillation Complexity Parameters Derived From Surface ECGs Predict Procedural Outcome and Long-Term Follow-Up of Stepwise Catheter Ablation for Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016, 9, e003354.	2.1	44
80	Ventricular arrhythmias and the His-Purkinje system. <i>Nature Reviews Cardiology</i> , 2016, 13, 155-166.	6.1	147
81	The Early Repolarization Pattern. <i>Journal of the American College of Cardiology</i> , 2015, 66, 470-477.	1.2	306
82	Cardiac Electrophysiological Substrate Underlying the ECG Phenotype and Electrogram Abnormalities in Brugada Syndrome Patients. <i>Circulation</i> , 2015, 131, 1950-1959.	1.6	139
83	Electrophysiologic Substrate in Congenital Long QT Syndrome. <i>Circulation</i> , 2014, 130, 1936-1943.	1.6	74
84	Characterization of Contact Force During Endocardial and Epicardial Ventricular Mapping. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014, 7, 1168-1173.	2.1	42
85	Insight into the mechanism of Brugada syndrome: Epicardial substrate and modification during ajmaline testing. <i>Heart Rhythm</i> , 2014, 11, 732-734.	0.3	69
86	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
87	Body Surface Electrocardiographic Mapping for Non-invasive Identification of Arrhythmic Sources. <i>Arrhythmia and Electrophysiology Review</i> , 2013, 2, 16.	1.3	36
88	Elimination of Local Abnormal Ventricular Activities. <i>Circulation</i> , 2012, 125, 2184-2196.	1.6	538
89	Spectral Analysis Identifies Sites of High-Frequency Activity Maintaining Atrial Fibrillation in Humans. <i>Circulation</i> , 2005, 112, 789-797.	1.6	785
90	Catheter Ablation of Accessory Pathways: Technique and Results in 248 Patients. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1990, 13, 1609-1614.	0.5	85