

Pierre Jaïs

List of Publications by Year in descending order

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87
papers

4,745
citations

126907

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docs citations

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times ranked

3399
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#	ARTICLE	IF	CITATIONS
1	Spectral Analysis Identifies Sites of High-Frequency Activity Maintaining Atrial Fibrillation in Humans. <i>Circulation</i> , 2005, 112, 789-797.	1.6	785
2	Elimination of Local Abnormal Ventricular Activities. <i>Circulation</i> , 2012, 125, 2184-2196.	1.6	538
3	Pulsed Field Ablation for Pulmonary Vein Isolation in Atrial Fibrillation. <i>Journal of the American College of Cardiology</i> , 2019, 74, 315-326.	2.8	347
4	Phrenic Nerve Injury After Atrial Fibrillation Catheter Ablation. <i>Journal of the American College of Cardiology</i> , 2006, 47, 2498-2503.	2.8	310
5	Low complication rates using high power (45-50 W) for short duration for atrial fibrillation ablations. <i>Heart Rhythm</i> , 2019, 16, 165-169.	0.7	175
6	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
7	Multi-national survey on the methods, efficacy, and safety on the post-approval clinical use of pulsed field ablation (MANIFEST-PF). <i>Europace</i> , 2022, 24, 1256-1266.	1.7	115
8	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.	3.2	109
9	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.	4.8	108
10	Performance and limitations of noninvasive cardiac activation mapping. <i>Heart Rhythm</i> , 2019, 16, 435-442.	0.7	108
11	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.	1.7	95
12	Pulsed field ablation selectively spares the oesophagus during pulmonary vein isolation for atrial fibrillation. <i>Europace</i> , 2021, 23, 1391-1399.	1.7	82
13	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
14	Characteristics of Scar-Related Ventricular Tachycardia Circuits Using Ultra-High-Density Mapping. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e006569.	4.8	72
15	Insight into the mechanism of Brugada syndrome: Epicardial substrate and modification during ajmaline testing. <i>Heart Rhythm</i> , 2014, 11, 732-734.	0.7	69
16	Localized Structural Alterations Underlying a Subset of Unexplained Sudden Cardiac Death. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e006120.	4.8	67
17	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
18	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.	0.7	65

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19	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
20	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.	1.7	62
21	First clinical use of novel ablation catheter incorporating local impedance data. <i>Journal of Cardiovascular Electrophysiology</i> , 2018, 29, 1197-1206.	1.7	59
22	Characteristics of Single-Loop Macroreentrant Biatrial Tachycardia Diagnosed by Ultrahigh-Resolution Mapping System. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e005558.	4.8	57
23	Correlation between computer tomographyâ€derived scar topography and critical ablation sites in postinfarction ventricular tachycardia. <i>Journal of Cardiovascular Electrophysiology</i> , 2018, 29, 438-445.	1.7	52
24	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
25	Impact of Vein of Marshall Ethanol Infusion on Mitral Isthmus Block. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e008884.	4.8	49
26	High-Power (40â€50 W) Radiofrequency Ablation Guided by Unipolar Signal Modification for Pulmonary Vein Isolation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e007304.	4.8	48
27	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.	4.8	44
28	Characterization of Contact Force During Endocardial and Epicardial Ventricular Mapping. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014, 7, 1168-1173.	4.8	42
29	Local catheter impedance drop during pulmonary vein isolation predicts acute conduction block in patients with paroxysmal atrial fibrillation: initial results of the LOCALIZE clinical trial. <i>Europace</i> , 2021, 23, 1042-1051.	1.7	42
30	Distinctive Left Ventricular Activations Associated With ECG Pattern in Heart Failure Patients. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2017, 10, .	4.8	41
31	Mechanism of Recurrence of Atrial Tachycardia. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e007273.	4.8	41
32	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
33	Atrial Tachycardias Encountered in the Context of Catheter Ablation for Atrial Fibrillation Part II: Mapping and Ablation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2009, 32, 528-538.	1.2	37
34	Two Techniques to Avoid Surgery for Cardiac Tamponade Occurring During Catheter Ablation of Atrial Fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2008, 19, 323-325.	1.7	36
35	Body Surface Electrocardiographic Mapping for Non-invasive Identification of Arrhythmic Sources. <i>Arrhythmia and Electrophysiology Review</i> , 2013, 2, 16.	2.4	36
36	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

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37	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.	3.2	34
38	High-density mapping and ablation of concealed low-voltage activity within pulmonary vein antra results in improved freedom from atrial fibrillation compared to pulmonary vein isolation alone. <i>Heart Rhythm</i> , 2018, 15, 1158-1164.	0.7	31
39	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
40	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
41	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.	1.7	27
42	Smartwatch-based detection of cardiac arrhythmias: Beyond the differentiation between sinus rhythm and atrial fibrillation. <i>Heart Rhythm</i> , 2021, 18, 1524-1532.	0.7	27
43	90 vs 50-Watt Radiofrequency Applications for Pulmonary Vein Isolation: Experimental and Clinical Findings. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2022, 15, 101161CIRCEP121010663.	4.8	27
44	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
45	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
46	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
47	Effect of Activation Wavefront on Electrogram Characteristics During Ventricular Tachycardia Ablation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e007293.	4.8	21
48	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
49	Characterization of Complex Atrial Tachycardia in Patients With Previous Atrial Interventions Using High-Resolution Mapping. <i>JACC: Clinical Electrophysiology</i> , 2020, 6, 815-826.	3.2	20
50	Visual, tactile, and contact force feedback: Which one is more important for catheter ablation? Results from an in vitro experimental study. <i>Heart Rhythm</i> , 2014, 11, 506-513.	0.7	17
51	A simple mechanism underlying the behavior of reentrant atrial tachycardia during ablation. <i>Heart Rhythm</i> , 2019, 16, 553-561.	0.7	17
52	Noninvasive Assessment of Atrial Fibrillation Complexity in Relation to Ablation Characteristics and Outcome. <i>Frontiers in Physiology</i> , 2018, 9, 929.	2.8	16
53	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
54	Sex differences in the origin of Purkinje ectopy-initiated idiopathic ventricular fibrillation. <i>Heart Rhythm</i> , 2021, 18, 1647-1654.	0.7	15

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55	Stepwise Approach for Ventricular Tachycardia Ablation in Patients With Predominantly Intramural Scar. <i>JACC: Clinical Electrophysiology</i> , 2020, 6, 448-460.	3.2	13
56	Predictors of future onset of atrial fibrillation in hypertrophic cardiomyopathy. <i>Archives of Cardiovascular Diseases</i> , 2018, 111, 591-600.	1.6	11
57	The Spectrum of Idiopathic Ventricular Fibrillation and J-Wave Syndromes. <i>Cardiac Electrophysiology Clinics</i> , 2019, 11, 699-709.	1.7	10
58	Management of acute cardiac tamponade by direct autologous blood transfusion in interventional electrophysiology. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 1287-1293.	1.7	9
59	Pulmonary vein-gap re-entrant atrial tachycardia following atrial fibrillation ablation: an electrophysiological insight with high-resolution mapping. <i>Europace</i> , 2019, 21, 1039-1047.	1.7	9
60	Acute safety, effectiveness, and real-world clinical usage of ultra-high density mapping for ablation of cardiac arrhythmias: results of the TRUE HD study. <i>Europace</i> , 2019, 21, 655-661.	1.7	8
61	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
62	Atrial Tachycardia With Atrial Activation Duration Exceeding the Tachycardia Cycle Length. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 907-916.	3.2	7
63	Value of mapping and ablation of ventricular tachycardia targets within the coronary venous system in patients with nonischemic cardiomyopathy. <i>Heart Rhythm</i> , 2020, 17, 520-526.	0.7	7
64	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
65	Long-Lasting Ventricular Fibrillation in Humans ECG Characteristics and Effect of Radiofrequency Ablation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e008639.	4.8	5
66	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
67	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
68	Intramural mapping of intramural septal ventricular arrhythmias. <i>Journal of Cardiovascular Electrophysiology</i> , 2022, 33, 975-981.	1.7	5
69	Catheter Ablation for Ventricular Tachycardia in Patients with Nonischemic Cardiomyopathy. <i>Cardiac Electrophysiology Clinics</i> , 2017, 9, 47-54.	1.7	4
70	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
71	Impact of Intramural Scar on Mapping and Ablation of Premature Ventricular Complexes. <i>JACC: Clinical Electrophysiology</i> , 2021, 7, 733-741.	3.2	4
72	The Purkinje network plays a major role in low-energy ventricular defibrillation. <i>Computers in Biology and Medicine</i> , 2022, 141, 105133.	7.0	4

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73	Two consecutive ATs demonstrating a centrifugal pattern; What is the mechanism?. Journal of Cardiovascular Electrophysiology, 2019, 30, 978-980.	1.7	3
74	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
75	Acute coronary artery occlusion and ischemia-related ventricular tachycardia during catheter ablation in the right ventricular outflow tract. Journal of Cardiovascular Electrophysiology, 2021, 32, 547-550.	1.7	3
76	Cardiac Magnetic Resonance Imaging and Ventricular Tachycardias Involving the Sinuses of Valsalva in Patients With Nonischemic Cardiomyopathy. JACC: Clinical Electrophysiology, 2021, 7, 1243-1253.	3.2	3
77	Late gadolinium enhancement cardiac magnetic resonance imaging of ablation lesions after postinfarction ventricular tachycardia ablation: Implications for ventricular tachycardia recurrence. Journal of Cardiovascular Electrophysiology, 2022, , .	1.7	3
78	Tissue Preparation Techniques for Contrast-Enhanced Micro Computed Tomography Imaging of Large Mammalian Cardiac Models with Chronic Disease. Journal of Visualized Experiments, 2022, , .	0.3	3
79	Accuracy of automatic abnormal potential annotation for substrate identification in scar-related ventricular tachycardia. Journal of Cardiovascular Electrophysiology, 2021, 32, 2216-2224.	1.7	2
80	Preoperative personalization of atrial fibrillation ablation strategy to prevent esophageal injury: Impact of changes in esophageal position. Journal of Cardiovascular Electrophysiology, 2022, , .	1.7	2
81	MUSIC: Cardiac Imaging, Modelling and Visualisation Software for Diagnosis and Therapy. Applied Sciences (Switzerland), 2022, 12, 6145.	2.5	2
82	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.	1.7	1
83	Catheter Ablation for Atrial Fibrillation in Hyperthyroid Patients. Circulation: Arrhythmia and Electrophysiology, 2021, 14, e010200.	4.8	1
84	Letter by Krisai et al Regarding Article, "Preventive or Deferred Ablation of Ventricular Tachycardia in Patients With Ischemic Cardiomyopathy and Implantable Defibrillator (BERLIN VT): A Multicenter Randomized Trial". Circulation, 2020, 142, e184-e185.	1.6	0
85	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
86	The year in cardiology 2015: arrhythmias and device therapy.. Cardiologia Croatica, 2016, 11, 259-268.	0.0	0
87	Noncontact whole-chamber charge density mapping of the left ventricle: Preclinical evaluation in a sheep model. Heart Rhythm, 2022, , .	0.7	0