

# Pierre Jaïs

## List of Publications by Year in descending order

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87  
papers

4,745  
citations

126907

33  
h-index

102487

66  
g-index

89  
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89  
docs citations

89  
times ranked

3399  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Noncontact whole-chamber charge density mapping of the left ventricle: Preclinical evaluation in a sheep model. <i>Heart Rhythm</i> , 2022, , .	0.7	0
4	Late gadolinium enhancement cardiac magnetic resonance imaging of ablation lesions after postinfarction ventricular tachycardia ablation: Implications for ventricular tachycardia recurrence. <i>Journal of Cardiovascular Electrophysiology</i> , 2022, , .	1.7	3
5	Tissue Preparation Techniques for Contrast-Enhanced Micro Computed Tomography Imaging of Large Mammalian Cardiac Models with Chronic Disease. <i>Journal of Visualized Experiments</i> , 2022, , .	0.3	3
6	Intramural mapping of intramural septal ventricular arrhythmias. <i>Journal of Cardiovascular Electrophysiology</i> , 2022, 33, 975-981.	1.7	5
7	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
8	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
9	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
10	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
11	MUSIC: Cardiac Imaging, Modelling and Visualisation Software for Diagnosis and Therapy. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6145.	2.5	2
12	Acute coronary artery occlusion and ischemia-related ventricular tachycardia during catheter ablation in the right ventricular outflow tract. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 547-550.	1.7	3
13	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
14	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
15	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
16	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.	1.7	1
17	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
18	Varying physiologic ventricular resynchronization with changes in atrial rhythm in a patient with a right-sided accessory pathway and right bundle branch block. <i>Journal of Electrocardiology</i> , 2021, 66, 122-124.	0.9	0

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19	Pulsed field ablation selectively spares the oesophagus during pulmonary vein isolation for atrial fibrillation. <i>Europace</i> , 2021, 23, 1391-1399.	1.7	82
20	Cardiac Magnetic Resonance Imaging and Ventricular Tachycardias Involving the Sinuses of Valsalva in Patients With Nonischemic Cardiomyopathy. <i>JACC: Clinical Electrophysiology</i> , 2021, 7, 1243-1253.	3.2	3
21	Impact of Intramural Scar on Mapping and Ablation of Premature Ventricular Complexes. <i>JACC: Clinical Electrophysiology</i> , 2021, 7, 733-741.	3.2	4
22	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
23	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
24	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
25	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
26	Sex differences in the origin of Purkinje ectopy-initiated idiopathic ventricular fibrillation. <i>Heart Rhythm</i> , 2021, 18, 1647-1654.	0.7	15
27	Catheter Ablation for Atrial Fibrillation in Hyperthyroid Patients. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021, 14, e010200.	4.8	1
28	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": <i>Circulation</i> , 2020, 142, e184-e185.	1.6	0
29	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
30	Impact of Vein of Marshall Ethanol Infusion on Mitral Isthmus Block. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e008884.	4.8	49
31	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
32	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
33	Basket catheter-guided ultra-high-density mapping of cardiac arrhythmias: a systematic review and meta-analysis. <i>Future Cardiology</i> , 2020, 16, 735-751.	1.2	3
34	Stepwise Approach for Ventricular Tachycardia Ablation in Patients With Predominantly Intramural Scar. <i>JACC: Clinical Electrophysiology</i> , 2020, 6, 448-460.	3.2	13
35	Mechanism of Recurrence of Atrial Tachycardia. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e007273.	4.8	41
36	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

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37	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
38	Atrial Tachycardia With Atrial Activation Duration Exceeding the Tachycardia Cycle Length. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 907-916.	3.2	7
39	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
40	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
41	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
42	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
43	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
44	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
45	Effect of Activation Wavefront on Electrogram Characteristics During Ventricular Tachycardia Ablation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e007293.	4.8	21
46	High-Power (40-50 W) Radiofrequency Ablation Guided by Unipolar Signal Modification for Pulmonary Vein Isolation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e007304.	4.8	48
47	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
48	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
49	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
50	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
51	Two consecutive ATs demonstrating a centrifugal pattern; What is the mechanism?. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 978-980.	1.7	3
52	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
53	The Spectrum of Idiopathic Ventricular Fibrillation and J-Wave Syndromes. <i>Cardiac Electrophysiology Clinics</i> , 2019, 11, 699-709.	1.7	10
54	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

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55	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.	1.7	62
56	Performance and limitations of noninvasive cardiac activation mapping. Heart Rhythm, 2019, 16, 435-442.	0.7	108
57	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.	0.7	52
58	A simple mechanism underlying the behavior of reentrant atrial tachycardia during ablation. Heart Rhythm, 2019, 16, 553-561.	0.7	17
59	Detailed comparison between the wall thickness and voltages in chronic myocardial infarction. Journal of Cardiovascular Electrophysiology, 2019, 30, 195-204.	1.7	20
60	Correlation between computer tomographyâ€derived scar topography and critical ablation sites in postinfarction ventricular tachycardia. Journal of Cardiovascular Electrophysiology, 2018, 29, 438-445.	1.7	52
61	Characteristics of Single-Loop Macroreentrant Biatrial Tachycardia Diagnosed by Ultrahigh-Resolution Mapping System. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e005558.	4.8	57
62	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. Heart Rhythm, 2018, 15, 1158-1164.	0.7	31
63	Revisiting anatomic macroreentrant tachycardia after atrial fibrillation ablation using ultrahigh-resolution mapping: Implications for ablation. Heart Rhythm, 2018, 15, 326-333.	0.7	73
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. JACC: Clinical Electrophysiology, 2018, 4, 17-29.	3.2	109
65	Electrogram signature of specific activation patterns: Analysis of atrial tachycardias at high-density endocardial mapping. Heart Rhythm, 2018, 15, 28-37.	0.7	66
66	Characteristics of Scar-Related Ventricular Tachycardia Circuits Using Ultra-High-Density Mapping. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e006569.	4.8	72
67	Highâ€power shortâ€duration versus standard radiofrequency ablation: Insights on lesion metrics. Journal of Cardiovascular Electrophysiology, 2018, 29, 1570-1575.	1.7	159
68	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
69	Noninvasive Assessment of Atrial Fibrillation Complexity in Relation to Ablation Characteristics and Outcome. Frontiers in Physiology, 2018, 9, 929.	2.8	16
70	Localized Structural Alterations Underlying a Subset of Unexplained Sudden Cardiac Death. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e006120.	4.8	67
71	First clinical use of novel ablation catheter incorporating local impedance data. Journal of Cardiovascular Electrophysiology, 2018, 29, 1197-1206.	1.7	59
72	Predictors of future onset of atrial fibrillation in hypertrophic cardiomyopathy. Archives of Cardiovascular Diseases, 2018, 111, 591-600.	1.6	11

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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, .	4.8	41
74	Catheter Ablation for Ventricular Tachycardia in Patients with Nonischemic Cardiomyopathy. <i>Cardiac Electrophysiology Clinics</i> , 2017, 9, 47-54.	1.7	4
75	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
76	The year in cardiology 2015: arrhythmias and device therapy.. <i>Cardiologia Croatica</i> , 2016, 11, 259-268.	0.0	0
77	Characterization of Contact Force During Endocardial and Epicardial Ventricular Mapping. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014, 7, 1168-1173.	4.8	42
78	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
79	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
80	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
81	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
82	Body Surface Electrocardiographic Mapping for Non-invasive Identification of Arrhythmic Sources. <i>Arrhythmia and Electrophysiology Review</i> , 2013, 2, 16.	2.4	36
83	Elimination of Local Abnormal Ventricular Activities. <i>Circulation</i> , 2012, 125, 2184-2196.	1.6	538
84	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
85	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
86	Phrenic Nerve Injury After Atrial Fibrillation Catheter Ablation. <i>Journal of the American College of Cardiology</i> , 2006, 47, 2498-2503.	2.8	310
87	Spectral Analysis Identifies Sites of High-Frequency Activity Maintaining Atrial Fibrillation in Humans. <i>Circulation</i> , 2005, 112, 789-797.	1.6	785