

# Stéphane Massé

## List of Publications by Year in descending order

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46  
papers

1,181  
citations

516710

16  
h-index

395702

33  
g-index

48  
all docs

48  
docs citations

48  
times ranked

2025  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Purkinje muscle junction in early ventricular fibrillation in a porcine model: Beyond the trigger concept. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2022, 45, 742-751.	1.2	2
2	On the Electrophysiology and Mapping of Intramural Arrhythmic Focus. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2022, 15, CIRCEP121010384.	4.8	7
3	Effects of azumolene on arrhythmia substrate in a model of recurrent long-duration ventricular fibrillation. <i>Biochemical and Biophysical Research Communications</i> , 2022, 600, 123-129.	2.1	1
4	Exploring the cause of conduction delays in patients with repaired Tetralogy of Fallot. <i>Europace</i> , 2021, 23, i105-i112.	1.7	5
5	Stimulation and propagation of activation in conduction tissue: Implications for left bundle branch area pacing. <i>Heart Rhythm</i> , 2021, 18, 813-821.	0.7	8
6	Multi-Axis Lead with Tetrahedral Electrode Tip for Cardiac Implantable Devices: Creative Concept for Pacing and Sensing Technology. <i>Canadian Journal of Cardiology</i> , 2021, 37, 1808-1817.	1.7	0
7	Anti-arrhythmic and inotropic effects of empagliflozin following myocardial ischemia. <i>Life Sciences</i> , 2021, 276, 119440.	4.3	29
8	High density intramural mapping of post-infarct premature ventricular contractions and ventricular tachycardia. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2021, 44, 1781-1785.	1.2	2
9	A 3-D human model of complex cardiac arrhythmias. <i>Acta Biomaterialia</i> , 2021, 132, 149-161.	8.3	15
10	Maximizing detection and optimal characterization of local abnormal ventricular activity in nonischemic cardiomyopathy: LAVAMAX & LAVAFLOW. <i>Heart Rhythm O2</i> , 2021, 2, 529-536.	1.7	5
11	Safety, efficacy, and monitoring of bipolar radiofrequency ablation in beating myopathic human and healthy swine hearts. <i>Heart Rhythm</i> , 2021, 18, 1772-1779.	0.7	8
12	Mechanism of and strategy to mitigate liraglutide-mediated positive chronotropy. <i>Life Sciences</i> , 2021, 282, 119815.	4.3	0
13	Cardioprotective effects of dantrolene in doxorubicin-induced cardiomyopathy in mice. <i>Heart Rhythm O2</i> , 2021, 2, 733-741.	1.7	11
14	Direct and indirect mapping of intramural space in ventricular tachycardia. <i>Heart Rhythm</i> , 2020, 17, 439-446.	0.7	7
15	Acute Effects of Ibrutinib on Ventricular Arrhythmia in Spontaneously Hypertensive Rats. <i>JACC: CardioOncology</i> , 2020, 2, 614-629.	4.0	8
16	Label-free conduction velocity mapping and gap junction assessment of functional iPSC-Cardiomyocyte monolayers. <i>Biosensors and Bioelectronics</i> , 2020, 167, 112468.	10.1	22
17	Signature signal strategy: Electrogram-based ventricular tachycardia mapping. <i>Heart Rhythm</i> , 2020, 17, 2000-2009.	0.7	3
18	Transmyocardial bipolar electrogram: A strategy for mapping and determining efficacy of bipolar ablation of deep foci. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2020, 43, 760-762.	1.2	2

#	ARTICLE	IF	CITATIONS
19	To the Editorâ€” Determinants of bipolar amplitude. Heart Rhythm, 2020, 17, 1415.	0.7	0
20	High-resolution, live, directional mapping. Heart Rhythm, 2020, 17, 1621-1628.	0.7	30
21	Reinserting Physiology into Cardiac Mapping Using Omnipolar Electrograms. Cardiac Electrophysiology Clinics, 2019, 11, 525-536.	1.7	12
22	Omnipolarity applied to equi-spaced electrode array for ventricular tachycardia substrate mapping. Europace, 2019, 21, 813-821.	1.7	28
23	Exit sites on the epicardium rarely subtend critical diastolic path of ischemic VT on the endocardium: Implications for noninvasive ablation. Journal of Cardiovascular Electrophysiology, 2019, 30, 520-527.	1.7	9
24	Information theory to tachycardia therapy: electrogram entropy predicts diastolic microstructure of reentrant ventricular tachycardia. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H134-H144.	3.2	5
25	The effect of left ventricular pacing on transmural activation delay in myopathic human hearts. Europace, 2018, 20, 719-728.	1.7	4
26	Essential role of ryanodine receptor 2 phosphorylation in the effect of azumolene on ventricular arrhythmia vulnerability in a rabbit heart model. Journal of Cardiovascular Electrophysiology, 2018, 29, 1707-1715.	1.7	11
27	Quantifying the determinants of decremental response in critical ventricular tachycardia substrate. Computers in Biology and Medicine, 2018, 102, 260-266.	7.0	7
28	Atrial decremental evoked potentials accurately determine the critical isthmus of intra-atrial re-entrant tachycardia. Europace, 2018, 20, 1620-1620.	1.7	3
29	Determinants of atrial bipolar voltage: Inter electrode distance and wavefront angle. Computers in Biology and Medicine, 2018, 102, 449-457.	7.0	21
30	Effects of Renal Artery Denervation on Ventricular Arrhythmias in a Postinfarct Model. Circulation: Cardiovascular Interventions, 2017, 10, e004172.	3.9	26
31	Effects of Late Sodium Current Blockade on Ventricular Refibrillation in a Rabbit Model. Circulation: Arrhythmia and Electrophysiology, 2017, 10, .	4.8	14
32	Resolving Bipolar Electrogram Voltages During Atrial Fibrillation Using Omnipolar Mapping. Circulation: Arrhythmia and Electrophysiology, 2017, 10, .	4.8	42
33	Physiological Assessment of Ventricular Myocardial Voltage Using Omnipolar Electrograms. Journal of the American Heart Association, 2017, 6, .	3.7	19
34	Resolving Myocardial Activation With Novel Omnipolar Electrograms. Circulation: Arrhythmia and Electrophysiology, 2016, 9, e004107.	4.8	54
35	Biodegradable scaffold with built-in vasculature for organ-on-a-chip engineering and direct surgical anastomosis. Nature Materials, 2016, 15, 669-678.	27.5	471
36	Feature-based MRI data fusion for cardiac arrhythmia studies. Computers in Biology and Medicine, 2016, 72, 13-21.	7.0	5

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37	Tracking Rotors With Minimal Electrodes. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015, 8, 447-455.	4.8	7
38	Temporal-component analysis of diastolic electrograms in ventricular tachycardia differentiates nonvulnerable regions of the circuit. <i>Heart Rhythm</i> , 2015, 12, 1737-1744.	0.7	8
39	Decrement Evoked Potential Mapping. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015, 8, 1433-1442.	4.8	72
40	Feeding the fibrillating heart: Dichloroacetate improves cardiac contractile dysfunction following VF. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1543-H1553.	3.2	13
41	Regional Ion Channel Gene Expression Heterogeneity and Ventricular Fibrillation Dynamics in Human Hearts. <i>PLoS ONE</i> , 2014, 9, e82179.	2.5	21
42	Bipolar ablation for deep intra-myocardial circuits: human ex vivo development and in vivo experience. <i>Europace</i> , 2014, 16, 1684-1688.	1.7	43
43	TMEM43 Mutation p.S358L Alters Intercalated Disc Protein Expression and Reduces Conduction Velocity in Arrhythmogenic Right Ventricular Cardiomyopathy. <i>PLoS ONE</i> , 2014, 9, e109128.	2.5	31
44	Intramural Activation During Early Human Ventricular Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2011, 4, 692-703.	4.8	56
45	Effect of global ischemia and reperfusion during ventricular fibrillation in myopathic human hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H1984-H1991.	3.2	20
46	Characteristics of local electrograms with diastolic potentials: identification of different components of return pathways in ventricular tachycardia. <i>Journal of Interventional Cardiac Electrophysiology</i> , 1998, 2, 235-245.	1.3	10