

Stéphane Massé

List of Publications by Year in descending order

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Version: 2024-02-01

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	Biodegradable scaffold with built-in vasculature for organ-on-a-chip engineering and direct surgical anastomosis. <i>Nature Materials</i> , 2016, 15, 669-678.	27.5	471
2	Decrement Evoked Potential Mapping. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015, 8, 1433-1442.	4.8	72
3	Intramural Activation During Early Human Ventricular Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2011, 4, 692-703.	4.8	56
4	Resolving Myocardial Activation With Novel Omnipolar Electrograms. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016, 9, e004107.	4.8	54
5	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
6	Resolving Bipolar Electrogram Voltages During Atrial Fibrillation Using Omnipolar Mapping. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2017, 10, .	4.8	42
7	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
8	High-resolution, live, directional mapping. <i>Heart Rhythm</i> , 2020, 17, 1621-1628.	0.7	30
9	Anti-arrhythmic and inotropic effects of empagliflozin following myocardial ischemia. <i>Life Sciences</i> , 2021, 276, 119440.	4.3	29
10	Omnipolarity applied to equi-spaced electrode array for ventricular tachycardia substrate mapping. <i>Europace</i> , 2019, 21, 813-821.	1.7	28
11	Effects of Renal Artery Denervation on Ventricular Arrhythmias in a Postinfarct Model. <i>Circulation: Cardiovascular Interventions</i> , 2017, 10, e004172.	3.9	26
12	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
13	Regional Ion Channel Gene Expression Heterogeneity and Ventricular Fibrillation Dynamics in Human Hearts. <i>PLoS ONE</i> , 2014, 9, e82179.	2.5	21
14	Determinants of atrial bipolar voltage: Inter electrode distance and wavefront angle. <i>Computers in Biology and Medicine</i> , 2018, 102, 449-457.	7.0	21
15	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
16	Physiological Assessment of Ventricular Myocardial Voltage Using Omnipolar Electrograms. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	19
17	A 3-D human model of complex cardiac arrhythmias. <i>Acta Biomaterialia</i> , 2021, 132, 149-161.	8.3	15
18	Effects of Late Sodium Current Blockade on Ventricular Refibrillation in a Rabbit Model. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2017, 10, .	4.8	14

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19	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
20	Reinserting Physiology into Cardiac Mapping Using Omnipolar Electrograms. <i>Cardiac Electrophysiology Clinics</i> , 2019, 11, 525-536.	1.7	12
21	Essential role of ryanodine receptor 2 phosphorylation in the effect of azumolene on ventricular arrhythmia vulnerability in a rabbit heart model. <i>Journal of Cardiovascular Electrophysiology</i> , 2018, 29, 1707-1715.	1.7	11
22	Cardioprotective effects of dantrolene in doxorubicin-induced cardiomyopathy in mice. <i>Heart Rhythm O2</i> , 2021, 2, 733-741.	1.7	11
23	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
24	Exit sites on the epicardium rarely subtend critical diastolic path of ischemic VT on the endocardium: Implications for noninvasive ablation. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 520-527.	1.7	9
25	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
26	Acute Effects of Ibrutinib on Ventricular Arrhythmia in Spontaneously Hypertensive Rats. <i>JACC: CardioOncology</i> , 2020, 2, 614-629.	4.0	8
27	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
28	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
29	Tracking Rotors With Minimal Electrodes. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015, 8, 447-455.	4.8	7
30	Quantifying the determinants of decremental response in critical ventricular tachycardia substrate. <i>Computers in Biology and Medicine</i> , 2018, 102, 260-266.	7.0	7
31	Direct and indirect mapping of intramural space in ventricular tachycardia. <i>Heart Rhythm</i> , 2020, 17, 439-446.	0.7	7
32	On the Electrophysiology and Mapping of Intramural Arrhythmic Focus. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2022, 15, CIRCEP121010384.	4.8	7
33	Feature-based MRI data fusion for cardiac arrhythmia studies. <i>Computers in Biology and Medicine</i> , 2016, 72, 13-21.	7.0	5
34	Information theory to tachycardia therapy: electrogram entropy predicts diastolic microstructure of reentrant ventricular tachycardia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H134-H144.	3.2	5
35	Exploring the cause of conduction delays in patients with repaired Tetralogy of Fallot. <i>Europace</i> , 2021, 23, i105-i112.	1.7	5
36	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

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37	The effect of left ventricular pacing on transmural activation delay in myopathic human hearts. <i>Europace</i> , 2018, 20, 719-728.	1.7	4
38	Atrial decremental evoked potentials accurately determine the critical isthmus of intra-atrial re-entrant tachycardia. <i>Europace</i> , 2018, 20, 1620-1620.	1.7	3
39	Signature signal strategy: Electrogram-based ventricular tachycardia mapping. <i>Heart Rhythm</i> , 2020, 17, 2000-2009.	0.7	3
40	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
41	High density intramural mapping of postinfarct premature ventricular contractions and ventricular tachycardia. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2021, 44, 1781-1785.	1.2	2
42	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
43	Effects of azamolene 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
44	To the Editor Determinants of bipolar amplitude. <i>Heart Rhythm</i> , 2020, 17, 1415.	0.7	0
45	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
46	Mechanism of and strategy to mitigate liraglutide-mediated positive chronotropy. <i>Life Sciences</i> , 2021, 282, 119815.	4.3	0