Michela MasÃ¨

List of Publications by Year
in descending order

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58	1,180	430874	395702
papers	citations	18 h-index	33 g-index

58	58	58	1852
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Myocardial Fibrosis Assessment by LGE IsÂa Powerful Predictor of Ventricular Tachyarrhythmias in Ischemic andÂNonischemic LV Dysfunction. JACC: Cardiovascular Imaging, 2016, 9, 1046-1055.	5.3	248
2	Myocardial fibrosis predicts ventricular tachyarrhythmias. Trends in Cardiovascular Medicine, 2017, 27, 363-372.	4.9	87
3	Selection of reference genes is critical for miRNA expression analysis in human cardiac tissue. A focus on atrial fibrillation. Scientific Reports, 2017, 7, 41127.	3.3	74
4	Feasibility of cuff-free measurement of systolic and diastolic arterial blood pressure. Journal of Electrocardiology, 2011, 44, 201-207.	0.9	70
5	Acute Atrial Dilatation Slows Conduction and Increases AF Vulnerability in the Human Atrium. Journal of Cardiovascular Electrophysiology, 2011, 22, 394-401.	1.7	59
6	Autosomal Recessive Atrial Dilated Cardiomyopathy With Standstill Evolution Associated With Mutation of Natriuretic Peptide Precursor A. Circulation: Cardiovascular Genetics, 2013, 6, 27-36.	5.1	51
7	Quantification of synchronization during atrial fibrillation by Shannon entropy: validation in patients and computer model of atrial arrhythmias. Physiological Measurement, 2005, 26, 911-923.	2.1	44
8	Deterioration of Organization in the First Minutes of Atrial Fibrillation: A Beat-to-Beat Analysis of Cycle Length and Wave Similarity. Journal of Cardiovascular Electrophysiology, 2007, 18, 60-65.	1.7	44
9	Heart Rate Turbulence Is a Powerful Predictor of Cardiac Death and Ventricular Arrhythmias in Postmyocardial Infarction and Heart Failure Patients. Circulation: Arrhythmia and Electrophysiology, 2016, 9, .	4.8	37
10	Anatomic Localization of Rapid Repetitive Sources in Persistent Atrial Fibrillation. JACC: Cardiovascular Imaging, 2012, 5, 1211-1220.	5.3	36
11	Computational mapping in atrial fibrillation: how the integration of signal-derived maps may guide the localization of critical sources. Europace, 2014, 16, 714-723.	1.7	33
12	The logical operator map identifies novel candidate markers for critical sites in patients with atrial fibrillation. Progress in Biophysics and Molecular Biology, 2014, 115, 186-197.	2.9	33
13	Implementation and validation of real-time algorithms for atrial fibrillation detection on a wearable ECG device. Computers in Biology and Medicine, 2020, 116, 103540.	7.0	29
14	A Novel Approach to Propagation Pattern Analysis in Intracardiac Atrial Fibrillation Signals. Annals of Biomedical Engineering, 2011, 39, 310-323.	2.5	27
15	Electroanatomic Mapping and Late Gadolinium Enhancement MRI in a Genetic Model of Arrhythmogenic Atrial Cardiomyopathy. Journal of Cardiovascular Electrophysiology, 2014, 25, 964-970.	1.7	24
16	Hearables: New Perspectives and Pitfalls of In-Ear Devices for Physiological Monitoring. A Scoping Review. Frontiers in Physiology, 2020, 11, 568886.	2.8	24
17	Upregulation of miR-133b and miR-328 in Patients With Atrial Dilatation: Implications for Stretch-Induced Atrial Fibrillation. Frontiers in Physiology, 2019, 10, 1133.	2.8	21
18	Mechanical modulation of atrial flutter cycle length. Progress in Biophysics and Molecular Biology, 2008, 97, 417-434.	2.9	20

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19	Nodal recovery, dual pathway physiology, and concealed conduction determine complex AV dynamics in human atrial tachyarrhythmias. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H1219-H1228.	3.2	19
20	A stochastic approach for automatic registration and fusion of left atrial electroanatomic maps with 3D CT anatomical images. Physics in Medicine and Biology, 2007, 52, 6323-6337.	3.0	18
21	A Model for Mechano-Electrical Feedback Effects on Atrial Flutter Interval Variability. Bulletin of Mathematical Biology, 2008, 70, 1326-1347.	1.9	16
22	Measuring postural-related changes of spontaneous baroreflex sensitivity after repeated long-duration diving: Frequency domain approaches. Autonomic Neuroscience: Basic and Clinical, 2013, 178, 96-102.	2.8	15
23	Characterization of rate and regularity of ventricular response during atrial tachyarrhythmias. Insight on atrial and nodal determinants. Physiological Measurement, 2017, 38, 800-818.	2.1	14
24	A Multi-Variate Predictability Framework to Assess Invasive Cardiac Activity and Interactions During Atrial Fibrillation. IEEE Transactions on Biomedical Engineering, 2017, 64, 1157-1168.	4.2	13
25	Assessing the accuracy of computer-planned osteotomy guided by stereolithographic template: A methodological framework applied to the mandibular bone harvesting. Computers in Biology and Medicine, 2019, 114, 103435.	7.0	13
26	Cardiorespiratory interactions in patients with atrial flutter. Journal of Applied Physiology, 2009, 106, 29-39.	2.5	12
27	Morphological MRI of knee cartilage: repeatability and reproducibility of damage evaluation and correlation with gross pathology examination. European Radiology, 2020, 30, 3226-3235.	4.5	12
28	Declining clinical benefit of ICD in heart failure patients: Temporal trend of mortality outcomes from randomized controlled trials. Journal of Cardiology, 2020, 75, 148-154.	1.9	11
29	A Fully Adaptive Multiresolution Algorithm for Atrial Arrhythmia Simulation on Anatomically Realistic Unstructured Meshes. IEEE Transactions on Biomedical Engineering, 2013, 60, 2585-2593.	4.2	10
30	The AV synchrogram: A novel approach to quantify atrioventricular coupling during atrial arrhythmias. Biomedical Signal Processing and Control, 2013, 8, 1008-1016.	5.7	8
31	Insight into the use of tympanic temperature during target temperature management in emergency and critical care: a scoping review. Journal of Intensive Care, 2021, 9, 43.	2.9	8
32	Ventricular tachycardia-inducibility predicts arrhythmic events in post-myocardial infarction patients with low ejection fraction. A systematic review and meta-analysis. IJC Heart and Vasculature, 2018, 20, 7-13.	1.1	7
33	Implantable Cardioverter-Defibrillator in Dilated Cardiomyopathy after the DANISH-Trial Lesson. A Poly-Parametric Risk Evaluation Is Needed to Improve the Selection of Patients. Frontiers in Physiology, 2017, 8, 873.	2.8	6
34	Unsupervised Classification of Atrial Electrograms for Electroanatomic Mapping of Human Persistent Atrial Fibrillation. IEEE Transactions on Biomedical Engineering, 2021, 68, 1131-1141.	4.2	6
35	MicroRNAs: New contributors to mechano-electric coupling and atrial fibrillation. Progress in Biophysics and Molecular Biology, 2021, 159, 146-156.	2.9	5
36	Is the clinical benefit of primary prevention implantable cardioverter-defibrillator overestimated? The role of sudden cardiac death to total mortality ratio. European Heart Journal, 2020, 41, 4525-4526.	2.2	4

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37	A patient-specific mass-spring model for biomechanical simulation of aortic root tissue during transcatheter aortic valve implantation. Physics in Medicine and Biology, 2019, 64, 085014.	3.0	3
38	Letter by MasÃ¨ et al Regarding Article, â€œGranger Causalityâ€“Based Analysis for Classification of Fibrillation Mechanisms and Localization of Rotational Driversâ€• Circulation: Arrhythmia and Electrophysiology, 2020, 13, e008675.	4.8	3
39	A Divergence-Based Approach for the Identification of Atrial Fibrillation Focal Drivers From Multipolar Mapping: A Computational Study. Frontiers in Physiology, 2021, 12, 749430.	2.8	3
40	Heart failure patients unresponsive to implantable cardioverterâ€defibrillator therapy: a neglected problem. European Journal of Heart Failure, 2019, 21, 1507-1509.	7.1	2
41	Understanding the effects of heartbeat irregularity on ventricular function in human atrial fibrillation: simulation models may help to untie the knot. Europace, 2021, 23, 1868.	1.7	2
42	Optimizing Atrial Electrogram Classification Based on Local Ablation Outcome in Human Atrial Fibrillation. , 0, , .		2
43	Modeling fibrosis distribution for the study of wave propagation patterns during atrial fibrillation. , 2014, , .		1
44	Atrial fibrillation and NPPA gene p.S64R mutation. Journal of Cardiovascular Medicine, 2016, 17, 177-180.	1.5	1
45	The postâ€DANISH era in clinical cardiology: Need of a better selection of patients for implantable cardioverterâ€defibrillator in dilated cardiomyopathy. Journal of Cardiovascular Electrophysiology, 2017, 28, E7.	1.7	1
46	Application of computer models on atrial fibrillation research. Minerva Cardiology and Angiology, 2017, 65, 398-419.	0.7	1
47	Phase Singularities in Cardiac Patch Model with Non-conductive Fibrotic Area during Atrial Fibrillation. , 0, , .		1
48	Unsupervised classification of dimension-reduced principal component scores from persistent atrial fibrillation electrograms. , 2021, , .		1
49	Low Ambient Temperature Exposition Impairs the Accuracy of a Non-invasive Heat-Flux Thermometer. Frontiers in Physiology, 2022, 13, 830059.	2.8	1
50	A time-domain approach for the identification of atrial fibrillation drivers. , 2011, 2011, 5527-30.		0
51	Unified framework for the combined assessment of autonomic function and ectopic activity before post-operative atrial fibrillation. , 2014, , .		0
52	A spectral approach for the quantitative description of cardiac collagen network from nonlinear optical imaging. , 2015, 2015, 6257-60.		0
53	Towards the definition of selective markers for atrial fibrillation ablation targets: Robustness, complementarity, and integration of features as guiding principles. Journal of Cardiovascular Electrophysiology, 2020, 31, 2551-2552.	1.7	0
54	Authorâ€™s reply: â€œDeclining clinical benefit of ICD in heart failure patientsâ€• Journal of Cardiology, 2020, 75, 584-585.	1.9	0

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55	The paradox of implantable cardioverter-defibrillator: When guidelines may play against care improvement. American Heart Journal, 2021, 233, 149-150.	2.7	0
56	Determination of Synchronization of Electrical Activity in the Heart by Shannon Entropy Measure. , 2005, , 235-239.		0
57	Mechanical Modulation of a Reentrant Arrhythmia: The Atrial Flutter Case. , 2010, , 301-325.		0
58	Stretch Effects on Atrial Conduction: A Potential Contributor to Arrhythmogenesis. , 2012, , 303-325.		0