Marianna Meo

List of Publications by Citations

27 papers	370 citations	11 h-index	19 g-index
36 ext. papers	512 ext. citations	6.3 avg, IF	3.17 L-index

#	Paper	IF	Citations
27	Modelling methodology of atrial fibrosis affects rotor dynamics and electrograms. *Europace*, **2016**, 18, iv146-iv155	3.9	66
26	Late Na(+) current and protracted electrical recovery are critical determinants of the aging myopathy. *Nature Communications*, **2015**, 6, 8803	17.4	37
25	Spatial variability of the 12-lead surface ECG as a tool for noninvasive prediction of catheter ablation outcome in persistent atrial fibrillation. *IEEE Transactions on Biomedical Engineering*, **2013**, 60, 20-7	5	34
24	Universal atrial coordinates applied to visualisation, registration and construction of patient specific meshes. *Medical Image Analysis*, **2019**, 55, 65-75	15.4	30
23	Variability in pulmonary vein electrophysiology and fibrosis determines arrhythmia susceptibility and dynamics. *PLoS Computational Biology*, **2018**, 14, e1006166	5	29
22	Hyperglycemia induces defective Ca2+ homeostasis in cardiomyocytes. *American Journal of Physiology - Heart and Circulatory Physiology*, **2017**, 312, H150-H161	5.2	24
21	A Proof-of-Concept Study: Simple and Effective Detection of P and T Waves in Arrhythmic ECG Signals. *Bioengineering*, **2016**, 3,	5.3	24
20	Wavelength and Fibrosis Affect Phase Singularity Locations During Atrial Fibrillation. *Frontiers in Physiology*, **2018**, 9, 1207	4.6	22
19	Mapping and Ablation of Idiopathic Ventricular Fibrillation. *Frontiers in Cardiovascular Medicine*, **2018**, 5, 123	5.4	18
18	Reduction in Kv Current Enhances the Temporal Dispersion of the Action Potential in Diabetic Myocytes: Insights From a Novel Repolarization Algorithm. *Journal of the American Heart Association*, **2016**, 5,	6	17
17	Myocyte repolarization modulates myocardial function in aging dogs. *American Journal of Physiology - Heart and Circulatory Physiology*, **2016**, 310, H873-90	5.2	14
16	Catheter ablation outcome prediction in persistent atrial fibrillation using weighted principal component analysis. *Biomedical Signal Processing and Control*, **2013**, 8, 958-968	4.9	11
15	Non-invasive prediction of catheter ablation outcome in persistent atrial fibrillation by fibrillatory wave amplitude computation in multiple electrocardiogram leads. *Archives of Cardiovascular Diseases*, **2016**, 109, 679-688	2.7	9
14	Noninvasive Assessment of Atrial Fibrillation Complexity in Relation to Ablation Characteristics and Outcome. *Frontiers in Physiology*, **2018**, 9, 929	4.6	9
13	Non-invasive prediction of catheter ablation outcome in persistent atrial fibrillation by exploiting the spatial diversity of surface ECG. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2011**, 2011, 5534-4	0.9	4
12	Body Surface Mapping of Ventricular Repolarization Heterogeneity: An Multiparameter Study. *Frontiers in Physiology*, **2020**, 11, 933	4.6	4
11	Rhythm dynamics of the aging heart: an experimental study using conscious, restrained mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2020**, 319, H893-H905	5.2	4

List of Publications

10	Spectral and spatiotemporal variability ECG parameters linked to catheter ablation outcome in persistent atrial fibrillation. *Computers in Biology and Medicine*, **2017**, 88, 126-131	7	3
9	Insights Into the Spatiotemporal Patterns of Complexity of Ventricular Fibrillation by Multilead Analysis of Body Surface Potential Maps. *Frontiers in Physiology*, **2020**, 11, 554838	4.6	3
8	Non-Invasive Assessment of Spatiotemporal Organization of Ventricular Fibrillation Through Principal Component Analysis		2
7	Novel Methods for High-resolution Assessment of Cardiac Action Potential Repolarization. *Biomedical Signal Processing and Control*, **2019**, 51, 30-41	4.9	2
6	The Combination of Pulmonary Vein Electrophysiology and Atrial Fibrosis Determines Driver Location **2017**,		1
5	**2015**,		1
4	**2015**,		1
3	Analysis of heart rate variability using time-varying filtering of heart transplanted patients. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2012**, 2012, 3436-9	0.9	
2	Noninvasive prediction of catheter ablation acute outcome in persistent atrial fibrillation based on logistic regression of ECG fibrillatory wave amplitude and spatio-temporal variability. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2013**, 2013, 5831-4	0.9	
1	Multidimensional characterization of fibrillatory wave amplitude on surface ECG to describe catheter ablation impact on persistent atrial fibrillation. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2012**, 2012, 617-20	0.9	