Miguel Rodrigo

List of Publications by Year
in descending order

49 papers	833 citations	623734 14 h-index	526287 27 g-index
51 all docs	51 docs citations	51 times ranked	854 citing authors

#	Article	IF	Citations
1	Atrial fibrillation signatures on intracardiac electrograms identified by deep learning. Computers in Biology and Medicine, 2022, 145, 105451.	7.0	6
2	An Automata-Based Cardiac Electrophysiology Simulator to Assess Arrhythmia Inducibility. Mathematics, 2022, 10, 1293.	2.2	8
3	DH-575-01 MACHINE LEARNING-ENABLED MULTIMODAL FUSION OF INTRA-ATRIAL AND BODY SURFACE SIGNALS IN PREDICTION OF ATRIAL FIBRILLATION ABLATION OUTCOMES. Heart Rhythm, 2022, 19, S20-S21.	0.7	1
4	PO-685-04 DIFFERING DISTRIBUTION OF PREMATURE ATRIAL COMPLEXES THAT DO AND DO NOT PRECIPITATE SPONTANEOUS ATRIAL FIBRILLATION BY NON-INVASIVE IMAGING. Heart Rhythm, 2022, 19, S377.	0.7	0
5	Electrocardiographic imaging including intracardiac information to achieve accurate global mapping during atrial fibrillation. Biomedical Signal Processing and Control, 2021, 64, 102354.	5.7	3
6	Electrocardiographic Imaging for Atrial Fibrillation: A Perspective From Computer Models and Animal Experiments to Clinical Value. Frontiers in Physiology, 2021, 12, 653013.	2.8	20
7	Three dimensional reconstruction to visualize atrial fibrillation activation patterns on curved atrial geometry. PLoS ONE, 2021, 16, e0249873.	2.5	3
8	Reâ€interpreting complex atrial tachycardia maps using global atrial vectors. Journal of Cardiovascular Electrophysiology, 2021, 32, 1918-1920.	1.7	1
9	B-PO02-044 ELECTROGRAM FINGERPRINTS OF ATRIAL FIBRILLATION. Heart Rhythm, 2021, 18, S113-S114.	0.7	0
10	Prognostic Score and Benefit from Abiraterone in First-line Metastatic, Castration-resistant Prostate Cancer. European Urology, 2021, 80, 641-649.	1.9	4
11	B-AB16-04 DEEP LEARNING IMPROVES ON CLASSICAL FEATURES FOR IDENTIFYING ATRIAL TACHYARRHYTHMIAS FROM INTRACARDIAC ELECTROGRAMS. Heart Rhythm, 2021, 18, S32.	0.7	1
12	Non-invasive Mechanism Classification and Localization in Supraventricular Cardiac Arrhythmias. , 2021, , .		0
13	Automatic quality electrogram assessment improves phase-based reentrant activity identification in atrial fibrillation. Computers in Biology and Medicine, 2020, 117, 103593.	7.0	1
14	Novel threeâ€dimensional imaging approach for cryoballoon navigation and confirmation of pulmonary vein occlusion. PACE - Pacing and Clinical Electrophysiology, 2020, 43, 269-277.	1.2	3
15	Atrial location optimization by electrical measures for Electrocardiographic Imaging. Computers in Biology and Medicine, 2020, 127, 104031.	7.0	4
16	Characterization of atrial arrhythmias in body surface potential mapping: A computational study. Computers in Biology and Medicine, 2020, 127, 103904.	7.0	9
17	A robust wavelet-based approach for dominant frequency analysis of atrial fibrillation in body surface signals. Physiological Measurement, 2020, 41, 075004.	2.1	7
18	Intrinsically stretchable electrode array enabled in vivo electrophysiological mapping of atrial fibrillation at cellular resolution. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14769-14778.	7.1	108

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19	Noninvasive Assessment of Complexity of Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e007700.	4.8	23
20	Non-invasive Spatial Mapping of Frequencies in Atrial Fibrillation: Correlation With Contact Mapping. Frontiers in Physiology, 2020, 11, 611266.	2.8	6
21	Online webinar training to analyse complex atrial fibrillation maps: A randomized trial. PLoS ONE, 2019, 14, e0217988.	2.5	3
22	Ablation of Atrial Fibrillation Drivers. , 2019, , 279-291.e2.		0
23	Phase singularity point tracking for the identification of typical and atypical flutter patients: A clinical-computational study. Computers in Biology and Medicine, 2019, 104, 319-328.	7.0	3
24	Solving Inaccuracies in Anatomical Models for Electrocardiographic Inverse Problem Resolution by Maximizing Reconstruction Quality. IEEE Transactions on Medical Imaging, 2018, 37, 733-740.	8.9	22
25	Statistical guidance of VT ablation. Journal of Cardiovascular Electrophysiology, 2018, 29, 987-989.	1.7	1
26	Clinical Implications of Ablation of Drivers for Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e006119.	4.8	78
27	Interaction of Localized Drivers and Disorganized Activation in Persistent Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e005846.	4.8	33
28	Abstract 17299: AF Drivers Where Ablation Terminates Persistent AF Fluctuate Due to Competing Drivers but Remain Anchored in Specific Locations. Circulation, 2018, 138, .	1.6	0
29	Reply to the Editorâ€"On misuse of null hypothesis testing: Analysis of biophysical model simulations. Heart Rhythm, 2017, 14, e50-e51.	0.7	2
30	Highest dominant frequency and rotor positions are robust markers of driver location during noninvasive mapping of atrial fibrillation: A computational study. Heart Rhythm, 2017, 14, 1224-1233.	0.7	30
31	Minimal configuration of body surface potential mapping for discrimination of left versus right dominant frequencies during atrial fibrillation. PACE - Pacing and Clinical Electrophysiology, 2017, 40, 940-946.	1.2	12
32	Technical Considerations on Phase Mapping for Identification of Atrial Reentrant Activity in Direct- and Inverse-Computed Electrograms. Circulation: Arrhythmia and Electrophysiology, 2017, 10, .	4.8	57
33	The continuous challenge of AF ablation: From foci to rotational activity. Revista Portuguesa De Cardiologia (English Edition), 2017, 36, 9-17.	0.2	10
34	Ablation of Focal Impulses and Rotational Sources: What Can Be Learned from Differing Procedural Outcomes?. Current Cardiovascular Risk Reports, 2017, 11, 1.	2.0	16
35	Regularization Techniques for ECG Imaging during Atrial Fibrillation: A Computational Study. Frontiers in Physiology, 2016, 7, 466.	2.8	44
36	Identification of Dominant Excitation Patterns and Sources of Atrial Fibrillation by Causality Analysis. Annals of Biomedical Engineering, 2016, 44, 2364-2376.	2.5	23

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37	Balance between sodium and calcium currents underlying chronic atrial fibrillation termination: An in silico intersubject variability study. Heart Rhythm, 2016, 13, 2358-2365.	0.7	36
38	Noninvasive Estimation of Epicardial Dominant Highâ€Frequency Regions During Atrial Fibrillation. Journal of Cardiovascular Electrophysiology, 2016, 27, 435-442.	1.7	40
39	Presence and stability of rotors in atrial fibrillation: evidence and therapeutic implications. Cardiovascular Research, 2016, 109, 480-492.	3.8	78
40	Atrial sources identification by causality analysis during atrial fibrillation. , 2015, 2015, 3783-6.		3
41	Data Analysis in Cardiac Arrhythmias. Methods in Molecular Biology, 2015, 1246, 217-235.	0.9	0
42	Body surface localization of left and right atrial high-frequency rotors in atrial fibrillation patients: A clinical-computational study. Heart Rhythm, 2014, 11, 1584-1591.	0.7	120
43	Classification of resting, anticipation and movement states in self-initiated arm movements for EEG brain computer interfaces. , 2011, 2011, 6285-8.		2
44	Electrophysiological Parameters in the Electrical Propagation During Atrial Fibrillation: a Population of Models Study. , 0, , .		2
45	Solving Inaccuracies in the Heart Position and Orientation for Inverse Solution by Using Electrical Information. , 0, , .		1
46	Noninvasive Identification of Atrial Fibrillation Drivers: Simulation and Patient Data Evaluation. , 0, , .		2
47	Performance of Inverse Problem Regularization Methods for Driver Location during Atrial Fibrillation. , 0, , .		1
48	Personalization of Atrial Fibrillation Antiarrhythmic Drug Treatments: a Population of Models Approach. , 0, , .		0
49	Evaluation of Inverse Problem with Slow-Conducting Channel in Scar Area in a Post-Infarction Model. , 0, , .		0