

Jose Millet

List of Publications by Year in descending order

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54
papers

1,370
citations

471509

17
h-index

345221

36
g-index

55
all docs

55
docs citations

55
times ranked

1180
citing authors

#	ARTICLE	IF	CITATIONS
1	Atrial Activity Extraction for Atrial Fibrillation Analysis Using Blind Source Separation. IEEE Transactions on Biomedical Engineering, 2004, 51, 1176-1186.	4.2	214
2	Analysis of surface electrocardiograms in atrial fibrillation: techniques, research, and clinical applications. Europace, 2006, 8, 911-926.	1.7	175
3	Noninvasive Localization of Maximal Frequency Sites of Atrial Fibrillation by Body Surface Potential Mapping. Circulation: Arrhythmia and Electrophysiology, 2013, 6, 294-301.	4.8	120
4	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
5	Recent advances in heart sound analysis. Physiological Measurement, 2017, 38, E10-E25.	2.1	71
6	Comparison of Atrial Signal Extraction Algorithms in 12-Lead ECGs With Atrial Fibrillation. IEEE Transactions on Biomedical Engineering, 2006, 53, 343-346.	4.2	61
7	Noninvasive Mapping of Human Atrial Fibrillation. Journal of Cardiovascular Electrophysiology, 2009, 20, 507-513.	1.7	59
8	Noninvasive Estimation of Epicardial Dominant High-Frequency Regions During Atrial Fibrillation. Journal of Cardiovascular Electrophysiology, 2016, 27, 435-442.	1.7	40
9	Modification of Ventricular Fibrillation Activation Patterns Induced by Local Stretching. Journal of Cardiovascular Electrophysiology, 2005, 16, 1087-1096.	1.7	38
10	Noquist: Reduced field-of-view imaging by direct Fourier inversion. Magnetic Resonance in Medicine, 2004, 51, 331-342.	3.0	36
11	Attraction of Rotors to the Pulmonary Veins in Paroxysmal Atrial Fibrillation: A Modeling Study. Biophysical Journal, 2014, 106, 1811-1821.	0.5	35
12	Poincaré Surface Profiles of RR Intervals: A Novel Noninvasive Method for the Evaluation of Preferential AV Nodal Conduction During Atrial Fibrillation. IEEE Transactions on Biomedical Engineering, 2009, 56, 433-442.	4.2	34
13	Low-Cost Optical Mapping Systems for Panoramic Imaging of Complex Arrhythmias and Drug-Action in Translational Heart Models. Scientific Reports, 2017, 7, 43217.	3.3	34
14	Noninvasive Assessment of the Complexity and Stationarity of the Atrial Wavefront Patterns During Atrial Fibrillation. IEEE Transactions on Biomedical Engineering, 2010, 57, 2147-2157.	4.2	32
15	Semiautomatic Analysis of Phase Contrast Magnetic Resonance Imaging of Cerebrospinal Fluid Flow through the Aqueduct of Sylvius. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2006, 19, 78-87.	2.0	28
16	The role of independent component analysis in the signal processing of ECG recordings. Biomedizinische Technik, 2007, 52, 18-24.	0.8	20
17	How Many Leads Are Necessary for a Reliable Reconstruction of Surface Potentials During Atrial Fibrillation?. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 330-340.	3.2	19
18	On the Preprocessing of Atrial Electrograms in Atrial Fibrillation: Understanding Botteron's Approach. PACE - Pacing and Clinical Electrophysiology, 2014, 37, 133-143.	1.2	18

#	ARTICLE	IF	CITATIONS
19	Role of the Atrial Rate as a Factor Modulating Ventricular Response during Atrial Fibrillation. PACE - Pacing and Clinical Electrophysiology, 2010, 33, 1510-1517.	1.2	16
20	The Role of Conventional and Right-Sided ECG Screening for Subcutaneous ICD in a Tetralogy of Fallot Population. PACE - Pacing and Clinical Electrophysiology, 2017, 40, 145-153.	1.2	16
21	Analysis of the extension of Q-waves after infarction with body surface map: Relationship with infarct size. International Journal of Cardiology, 2006, 111, 399-404.	1.7	14
22	Detecting Weak Signals of the Future: A System Implementation Based on Text Mining and Natural Language Processing. Sustainability, 2020, 12, 7848.	3.2	14
23	Atrial fibrillation organization: quantification of propofol effects. Medical and Biological Engineering and Computing, 2009, 47, 333-341.	2.8	13
24	Limitations of Dower's Inverse Transform for the Study of Atrial Loops during Atrial Fibrillation. PACE - Pacing and Clinical Electrophysiology, 2009, 32, 972-980.	1.2	10
25	Generation of realistic atrial to atrial interval series during atrial fibrillation. Medical and Biological Engineering and Computing, 2011, 49, 1261-1268.	2.8	10
26	Spectral analysis-based risk score enables early prediction of mortality and cerebral performance in patients undergoing therapeutic hypothermia for ventricular fibrillation and comatose status. International Journal of Cardiology, 2015, 186, 250-258.	1.7	9
27	Variational Quantum Circuits for Machine Learning. An Application for the Detection of Weak Signals. Applied Sciences (Switzerland), 2021, 11, 6427.	2.5	9
28	New epicardial mapping electrode with warming/cooling function for experimental electrophysiology studies. Medical Engineering and Physics, 2011, 33, 653-659.	1.7	8
29	Evaluation of lead selection methods for optimal reconstruction of body surface potentials. Journal of Electrocardiology, 2008, 41, 26-34.	0.9	7
30	University services for fostering creativity in high-technology firms. Service Industries Journal, 2013, 33, 1103-1116.	8.3	7
31	Left ventricular myocardial dysfunction in arrhythmogenic cardiomyopathy with left ventricular involvement: A door to improving diagnosis. International Journal of Cardiology, 2019, 274, 237-244.	1.7	7
32	Hydrogen Sulfide Improves Cardiomyocyte Function in a Cardiac Arrest Model. Annals of Transplantation, 2017, 22, 285-295.	0.9	7
33	Significance of the Morphological Patterns of Electrograms Recorded During Ventricular Fibrillation:. PACE - Pacing and Clinical Electrophysiology, 2003, 26, 1262-1269.	1.2	6
34	Analyzing the electrophysiological effects of local epicardial temperature in experimental studies with isolated hearts. Physiological Measurement, 2008, 29, 711-728.	2.1	6
35	Improving the diagnosis of bundle branch block by analysis of body surface potential maps. Journal of Electrocardiology, 2009, 42, 651-659.	0.9	6
36	Propofol Effects on Atrial Fibrillation Wavefront Delays. IEEE Transactions on Biomedical Engineering, 2010, 57, 1877-1885.	4.2	6

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37	Conduction abnormalities in the right ventricular outflow tract in Brugada syndrome detected by body surface potential mapping. , 2010, 2010, 2537-40.		6
38	Heterogeneidades inducidas en el intervalo QT mediante enfriamiento/calentamiento epicárdico local. Estudio experimental. Revista Espanola De Cardiologia, 2014, 67, 993-998.	1.2	5
39	Spatiotemporal Characteristics of QRS Complexes Enable the Diagnosis of Brugada Syndrome Regardless of the Appearance of a Type 1 ECG. Journal of Cardiovascular Electrophysiology, 2016, 27, 563-570.	1.7	4
40	Implantable cardioverter defibrillator algorithms: status review in terms of computational cost. Biomedizinische Technik, 2007, 52, 25-30.	0.8	3
41	Modificaciones de la fibrilación ventricular y de la capacidad de captura inducidas por una lesión lineal con radiofrecuencia. Revista Espanola De Cardiologia, 2012, 65, 143-151.	1.2	3
42	Synthetic database for testing algorithms of fetal ECG extraction from abdominal ECG. , 2012, , .		3
43	Effects of β -blockers on stretch-induced manifestations of mechanoelectric feedback. Clinical and Experimental Pharmacology and Physiology, 2016, 43, 1062-1070.	1.9	3
44	Functional model of dual AV nodal pathway physiology. , 2010, 2010, 2646-9.		2
45	Characteristics of inverse-computed epicardial electrograms of Brugada syndrome patients. , 2011, 2011, 235-8.		2
46	Hybrid BSS techniques for fetal ECG extraction using a semi-synthetic database. , 2015, , .		2
47	Modifications of short-term intrinsic pacemaker variability in diet-induced metabolic syndrome: a study on isolated rabbit heart. Journal of Physiology and Biochemistry, 2019, 75, 173-183.	3.0	2
48	Implementación de un sistema de detección de señales débiles de futuro mediante técnicas de minería de textos. Revista Espanola De Documentacion Cientifica, 2019, 42, 234.	0.4	2
49	Teager energy based approach to detect atrial peaks to predict atrial fibrillation recurrence. , 2015, , .		1
50	Fetal ECG extraction using hybrid BSS techniques. , 2015, , .		0
51	Epicardial-limited electrophysiological heterogeneities do not facilitate ventricular arrhythmia induction. An experimental study. , 2015, , .		0
52	Dyssynchrony Assessment in Arrhythmogenic Cardiomyopathy With Left Ventricular Involvement. , 0, , .		0
53	Singular Spectrum Analysis of Atrial Activations to Predict Atrial Fibrillation Recurrence After Ablation Procedure. , 0, , .		0
54	Prediction of Atrial Fibrillation Recurrence by Pulmonary Vein Electrogram Correlation. , 0, , .		0