

# 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	Variational Quantum Circuits for Machine Learning. An Application for the Detection of Weak Signals. Applied Sciences (Switzerland), 2021, 11, 6427.	2.5	9
2	Detecting Weak Signals of the Future: A System Implementation Based on Text Mining and Natural Language Processing. Sustainability, 2020, 12, 7848.	3.2	14
3	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
4	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
5	Implementaci3n de un sistema de detecci3n de se4ales d4biles de futuro mediante t4cnicas de miner4a de textos. Revista Espanola De Documentacion Cientifica, 2019, 42, 234.	0.4	2
6	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
7	The Role of Conventional and Right4sided ECG Screening for Subcutaneous ICD in a Tetralogy of Fallot Population. PACE - Pacing and Clinical Electrophysiology, 2017, 40, 145-153.	1.2	16
8	Recent advances in heart sound analysis. Physiological Measurement, 2017, 38, E10-E25.	2.1	71
9	Hydrogen Sulfide Improves Cardiomyocyte Function in a Cardiac Arrest Model. Annals of Transplantation, 2017, 22, 285-295.	0.9	7
10	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
11	Effects of <sc>JTV</sc>419 on stretch4induced manifestations of mechanoelectric feedback. Clinical and Experimental Pharmacology and Physiology, 2016, 43, 1062-1070.	1.9	3
12	Noninvasive Estimation of Epicardial Dominant High4Frequency Regions During Atrial Fibrillation. Journal of Cardiovascular Electrophysiology, 2016, 27, 435-442.	1.7	40
13	Hybrid BSS techniques for fetal ECG extraction using a semi-synthetic database. , 2015, , .		2
14	Fetal ECG extraction using hybrid BSS techniques. , 2015, , .		0
15	Teager energy based approach to detect atrial peaks to predict atrial fibrillation recurrence. , 2015, , .		1
16	Epicardial-limited electrophysiological heterogeneities do not facilitate ventricular arrhythmia induction. An experimental study. , 2015, , .		0
17	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
18	Heterogeneidades inducidas en el intervalo QT mediante enfriamiento/calentamiento epic4rdico local. Estudio experimental. Revista Espanola De Cardiologia, 2014, 67, 993-998.	1.2	5

#	ARTICLE	IF	CITATIONS
19	On the Preprocessing of Atrial Electrograms in Atrial Fibrillation: Understanding Botteron's Approach. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2014, 37, 133-143.	1.2	18
20	Attraction of Rotors to the Pulmonary Veins in Paroxysmal Atrial Fibrillation: A Modeling Study. <i>Biophysical Journal</i> , 2014, 106, 1811-1821.	0.5	35
21	Body surface localization of left and right atrial high-frequency rotors in atrial fibrillation patients: A clinical-computational study. <i>Heart Rhythm</i> , 2014, 11, 1584-1591.	0.7	120
22	Noninvasive Localization of Maximal Frequency Sites of Atrial Fibrillation by Body Surface Potential Mapping. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 294-301.	4.8	120
23	University services for fostering creativity in high-technology firms. <i>Service Industries Journal</i> , 2013, 33, 1103-1116.	8.3	7
24	Modificaciones de la fibrilaci3n ventricular y de la capacidad de captura inducidas por una lesi3n lineal con radiofrecuencia. <i>Revista Espanola De Cardiologia</i> , 2012, 65, 143-151.	1.2	3
25	Synthetic database for testing algorithms of fetal ECG extraction from abdominal ECG. , 2012, , .		3
26	Characteristics of inverse-computed epicardial electrograms of Brugada syndrome patients. , 2011, 2011, 235-8.		2
27	New epicardial mapping electrode with warming/cooling function for experimental electrophysiology studies. <i>Medical Engineering and Physics</i> , 2011, 33, 653-659.	1.7	8
28	Generation of realistic atrial to atrial interval series during atrial fibrillation. <i>Medical and Biological Engineering and Computing</i> , 2011, 49, 1261-1268.	2.8	10
29	Propofol Effects on Atrial Fibrillation Wavefront Delays. <i>IEEE Transactions on Biomedical Engineering</i> , 2010, 57, 1877-1885.	4.2	6
30	Noninvasive Assessment of the Complexity and Stationarity of the Atrial Wavefront Patterns During Atrial Fibrillation. <i>IEEE Transactions on Biomedical Engineering</i> , 2010, 57, 2147-2157.	4.2	32
31	Role of the Atrial Rate as a Factor Modulating Ventricular Response during Atrial Fibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2010, 33, 1510-1517.	1.2	16
32	Functional model of dual AV nodal pathway physiology. , 2010, 2010, 2646-9.		2
33	Conduction abnormalities in the right ventricular outflow tract in Brugada syndrome detected body surface potential mapping. , 2010, 2010, 2537-40.		6
34	Improving the diagnosis of bundle branch block by analysis of body surface potential maps. <i>Journal of Electrocardiology</i> , 2009, 42, 651-659.	0.9	6
35	How Many Leads Are Necessary for a Reliable Reconstruction of Surface Potentials During Atrial Fibrillation?. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2009, 13, 330-340.	3.2	19
36	Poincar3 Surface Profiles of RR Intervals: A Novel Noninvasive Method for the Evaluation of Preferential AV Nodal Conduction During Atrial Fibrillation. <i>IEEE Transactions on Biomedical Engineering</i> , 2009, 56, 433-442.	4.2	34

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37	Atrial fibrillation organization: quantification of propofol effects. Medical and Biological Engineering and Computing, 2009, 47, 333-341.	2.8	13
38	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
39	Noninvasive Mapping of Human Atrial Fibrillation. Journal of Cardiovascular Electrophysiology, 2009, 20, 507-513.	1.7	59
40	Evaluation of lead selection methods for optimal reconstruction of body surface potentials. Journal of Electrocardiology, 2008, 41, 26-34.	0.9	7
41	Analyzing the electrophysiological effects of local epicardial temperature in experimental studies with isolated hearts. Physiological Measurement, 2008, 29, 711-728.	2.1	6
42	The role of independent component analysis in the signal processing of ECG recordings. Biomedizinische Technik, 2007, 52, 18-24.	0.8	20
43	Implantable cardioverter defibrillator algorithms: status review in terms of computational cost. Biomedizinische Technik, 2007, 52, 25-30.	0.8	3
44	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
45	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
46	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
47	Analysis of surface electrocardiograms in atrial fibrillation: techniques, research, and clinical applications. Europace, 2006, 8, 911-926.	1.7	175
48	Modification of Ventricular Fibrillation Activation Patterns Induced by Local Stretching. Journal of Cardiovascular Electrophysiology, 2005, 16, 1087-1096.	1.7	38
49	Atrial Activity Extraction for Atrial Fibrillation Analysis Using Blind Source Separation. IEEE Transactions on Biomedical Engineering, 2004, 51, 1176-1186.	4.2	214
50	Noquist: Reduced field-of-view imaging by direct Fourier inversion. Magnetic Resonance in Medicine, 2004, 51, 331-342.	3.0	36
51	Significance of the Morphological Patterns of Electrograms Recorded During Ventricular Fibrillation:. PACE - Pacing and Clinical Electrophysiology, 2003, 26, 1262-1269.	1.2	6
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