

Juan Pablo P Ugarte

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

158
citations

1478505

6
h-index

1199594

12
g-index

40
all docs

40
docs citations

40
times ranked

159
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear interdependence of electrograms as a tool to characterize propagation patterns in atrial fibrillation. <i>Biomedical Signal Processing and Control</i> , 2022, 72, 103282.	5.7	0
2	A computational view of electrophysiological properties under different atrial fibrosis conditions. <i>Applied Mathematical Modelling</i> , 2022, 105, 534-550.	4.2	1
3	Fractional generalization of entropy improves the characterization of rotors in simulated atrial fibrillation. <i>Applied Mathematics and Computation</i> , 2022, 425, 127077.	2.2	4
4	Vowel characterization of Spanish speakers from Antioquiaâ€“Colombia using a specific-parameterized discrete wavelet transform analysis. <i>Applied Acoustics</i> , 2021, 172, 107635.	3.3	4
5	Local synchronization indices for rotors detection in atrial fibrillation: A simulation study. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 94, 105548.	3.3	1
6	Spontaneous activation under atrial fibrosis: A model using complex order derivatives. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 95, 105618.	3.3	5
7	Heterogeneous Acoustic Features Space for Automatic Classification of Drone Audio Signals. <i>Communications in Computer and Information Science</i> , 2021, , 97-109.	0.5	0
8	Carbon Monoxide Effect on Human Cardiac Tissue. In Silico Study. <i>Communications in Computer and Information Science</i> , 2021, , 160-170.	0.5	0
9	Atrial proarrhythmic effect of lead as one of the PM10 metal components of air pollution. An in-silico study. <i>PLoS ONE</i> , 2021, 16, e0258313.	2.5	1
10	The Effects of Fibrotic Cell Type and Its Density on Atrial Fibrillation Dynamics: An In Silico Study. <i>Cells</i> , 2021, 10, 2769.	4.1	5
11	A COMPLEX ORDER MODEL OF ATRIAL ELECTRICAL PROPAGATION FROM FRACTAL POROUS CELL MEMBRANE. <i>Fractals</i> , 2020, 28, 2050106.	3.7	9
12	The fractional Fourier transform as a biomedical signal and image processing tool: A review. <i>Biocybernetics and Biomedical Engineering</i> , 2020, 40, 1081-1093.	5.9	20
13	Quantifying Irregular Morphology Electrograms in Atrial Fibrillation Using Fractional Fourier Domains. <i>Communications in Computer and Information Science</i> , 2020, , 245-256.	0.5	0
14	Genesis of Atrial Fibrillation Under Different Diffuse Fibrosis Density Related with Atmospheric Pollution. In-Silico Study. <i>Communications in Computer and Information Science</i> , 2020, , 291-301.	0.5	1
15	A Comparison of Wavelet, LPC and Cepstrum Techniques for Formant Estimation in Spanish and English Speakers. <i>Communications in Computer and Information Science</i> , 2020, , 85-96.	0.5	0
16	Electroanatomical mapping based on discrimination of electrograms clusters for localization of critical sites in atrial fibrillation. <i>Progress in Biophysics and Molecular Biology</i> , 2019, 141, 37-46.	2.9	7
17	Entropy Mapping Approach for Functional Reentry Detection in Atrial Fibrillation: An In-Silico Study. <i>Entropy</i> , 2019, 21, 194.	2.2	8
18	In-silico study of the ionic current gradients determining left-to-right atrial frequencies during paroxysmal atrial fibrillation. <i>Simulation</i> , 2019, 95, 1129-1139.	1.8	2

#	ARTICLE	IF	CITATIONS
19	Human Atrial Electrophysiological Models Under Fractional Derivative: Depolarization and Repolarization Dynamics During Normal and Fibrillation Conditions. Communications in Computer and Information Science, 2019, , 440-450.	0.5	0
20	Bioacoustic Signals Denoising Using the Undecimated Discrete Wavelet Transform. Communications in Computer and Information Science, 2018, , 300-308.	0.5	6
21	Atrial Rotor Dynamics Under Complex Fractional Order Diffusion. Frontiers in Physiology, 2018, 9, 975.	2.8	19
22	Nonlinear measures characterize atrial fibrillatory dynamics generated using fractional diffusion. IFMBE Proceedings, 2017, , 541-544.	0.3	0
23	Assessment protocol of wrist flexion and extension to support processes in occupational health using Myo Armband. IFMBE Proceedings, 2017, , 585-588.	0.3	1
24	Dofetilide effect on human atrial action potential under normal and atrial fibrillation conditions. In silico study. IFMBE Proceedings, 2017, , 38-41.	0.3	1
25	Complexity of Atrial Fibrillation Electrograms Through Nonlinear Signal Analysis: In Silico Approach. , 2017, , .		2
26	Generation of fibrillatory dynamics in cardiac tissue: fractional diffusion as arrhythmogenic mechanism modelling tool. Applied Mathematical Sciences, 2017, 11, 637-650.	0.1	4
27	CO, Pb++ and SO2 effects on L-type calcium channel and action potential in human atrial myocytes. In silico study. Tecno LÃ³gicas, 2017, 20, 113-123.	0.3	1
28	Effect of the electrograms density in detecting and ablating the tip of the rotor during chronic atrial fibrillation: an<i>in silico</i>study. Europace, 2015, 17, ii97-ii104.	1.7	19
29	Fractionated electrograms and rotors detection in chronic atrial fibrillation using model-based clustering. , 2014, 2014, 1579-82.		2
30	Dynamic Approximate Entropy Electroanatomic Maps Detect Rotors in a Simulated Atrial Fibrillation Model. PLoS ONE, 2014, 9, e114577.	2.5	33
31	Localization of complex fractionated atrial electrograms by approximate entropy in a 3D model of human atria. , 2013, , .		1
32	Lead and Carbon Monoxide Effects on Human Atrial Action Potential. In Silico Study. , 0, , .		0
33	Sulfur Dioxide Effects on Human Atrial Action Potential. In Silico Study. , 0, , .		0
34	Atrial Rotor Modulation by Localized Dofetilide Application: An In Silico Study. , 0, , .		0
35	Proliferation of Fibroblast Modulates the Action Potential Duration Dispersion: An Atrial Fibrosis Model Using Fractional Diffusion. , 0, , .		0