

Carlos Andrs Prez Ramrez

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

422
citations

10
h-index

20
g-index

33
ext. papers

597
ext. citations

3.6
avg, IF

3.72
L-index

#	Paper	IF	Citations
25	EARLY PREDICTION OF SUDDEN CARDIAC DEATH USING FRACTAL DIMENSION AND ECG SIGNALS. <i>Fractals</i> , 2021 , 29, 2150077	3.2	1
24	An Explainable Machine Learning Approach Based on Statistical Indexes and SVM for Stress Detection in Automobile Drivers Using Electromyographic Signals. <i>Sensors</i> , 2021 , 21,	3.8	2
23	Location of Multiple Damage Types in a Truss-Type Structure Using Multiple Signal Classification Method and Vibration Signals. <i>Mathematics</i> , 2020 , 8, 932	2.3	8
22	A Method to Automate the Metabolite Postprocessing and Quantification on Magnetic Resonance Spectroscopy Signals. <i>IFMBE Proceedings</i> , 2020 , 1220-1225	0.2	
21	FRACTAL DIMENSION ANALYSIS FOR ASSESSING THE HEALTH CONDITION OF A TRUSS STRUCTURE USING VIBRATION SIGNALS. <i>Fractals</i> , 2020 , 28, 2050127	3.2	3
20	Wavelet Transform-Statistical Time Features-Based Methodology for Epileptic Seizure Prediction Using Electrocardiogram Signals. <i>Mathematics</i> , 2020 , 8, 2125	2.3	5
19	A New Methodology Based on EMD and Nonlinear Measurements for Sudden Cardiac Death Detection. <i>Sensors</i> , 2019 , 20,	3.8	9
18	Recurrent neural network model with Bayesian training and mutual information for response prediction of large buildings. <i>Engineering Structures</i> , 2019 , 178, 603-615	4.7	55
17	Sensors Used in Structural Health Monitoring. <i>Archives of Computational Methods in Engineering</i> , 2018 , 25, 901-918	7.8	26
16	A Novel Wavelet Transform-Homogeneity Model for Sudden Cardiac Death Prediction Using ECG Signals. <i>Journal of Medical Systems</i> , 2018 , 42, 176	5.1	20
15	Fractal Dimension-based Methodology for Sudden Cardiac Death Prediction 2018 ,		1
14	EMD-Shannon Entropy-Based Methodology to Detect Incipient Damages in a Truss Structure. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2068	2.6	19
13	Fractal dimension and fuzzy logic systems for broken rotor bar detection in induction motors at start-up and steady-state regimes. <i>Measurement Science and Technology</i> , 2017 , 28, 075001	2	22
12	A Two-Step Strategy for System Identification of Civil Structures for Structural Health Monitoring Using Wavelet Transform and Genetic Algorithms. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 111	2.6	14
11	2017 ,		2
10	Wavelet-based vibration data compression technique for natural frequencies identification of civil infrastructure 2017 ,		2
9	2017 ,		1

8	Novel Downsampling Empirical Mode Decomposition Approach for Power Quality Analysis. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 2369-2378	8.9	67
7	New methodology for modal parameters identification of smart civil structures using ambient vibrations and synchrosqueezed wavelet transform. <i>Engineering Applications of Artificial Intelligence</i> , 2016 , 48, 1-12	7.2	81
6	Time-frequency techniques for modal parameters identification of civil structures from acquired dynamic signals. <i>Journal of Vibroengineering</i> , 2016 , 18, 3164-3185	0.5	31
5	Fractal dimension theory-based approach for bearing fault detection in induction motors 2016 ,		2
4	Synchrosqueezing transform-based methodology for broken rotor bars detection in induction motors. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016 , 90, 519-525	4.6	36
3	2015 ,		3
2	. <i>IEEE Latin America Transactions</i> , 2015 , 13, 3735-3742	0.7	
1	An architecture for measuring joint angles using a long period fiber grating-based sensor. <i>Sensors</i> , 2014 , 14, 24483-501	3.8	9