JosÃ© Carlos Palomares-Salas

List of Publications by Year
in descending order

42 papers	494 citations	840119 11 h-index	752256 20 g-index
45 all docs	45 docs citations	45 times ranked	559 citing authors

#	Article	IF	Citations
1	Weather forecasts for microgrid energy management: Review, discussion and recommendations. Applied Energy, 2018, 228, 265-278.	5.1	120
2	ARIMA vs. Neural networks for wind speed forecasting. , 2009, , .		41
3	Characterization of electrical sags and swells using higher-order statistical estimators. Measurement: Journal of the International Measurement Confederation, 2011, 44, 1453-1460.	2.5	40
4	A novel virtual instrument for power quality surveillance based in higher-order statistics and case-based reasoning. Measurement: Journal of the International Measurement Confederation, 2012, 45, 1824-1835.	2.5	38
5	A novel neural network method for wind speed forecasting using exogenous measurements from agriculture stations. Measurement: Journal of the International Measurement Confederation, 2014, 55, 295-304.	2.5	25
6	A novel measurement method for transient detection based in wavelets entropy and the spectral kurtosis: An application to vibrations and acoustic emission signals from termite activity. Measurement: Journal of the International Measurement Confederation, 2015, 68, 58-69.	2.5	24
7	An application of the spectral kurtosis to characterize power quality events. International Journal of Electrical Power and Energy Systems, 2013, 49, 386-398.	3.3	18
8	Higher-order statistics: Discussion and interpretation. Measurement: Journal of the International Measurement Confederation, 2013, 46, 2816-2827.	2.5	16
9	Current Status and Future Trends of Power Quality Analysis. Energies, 2022, 15, 2328.	1.6	15
10	An On-Line Low-Cost Irradiance Monitoring Network with Sub-Second Sampling Adapted to Small-Scale PV Systems. Sensors, 2018, 18, 3405.	2.1	13
11	Power quality event dynamics characterization via 2D trajectories using deviations of higher-order statistics. Measurement: Journal of the International Measurement Confederation, 2018, 125, 350-359.	2.5	13
12	An Application of Spectral Kurtosis to Separate Hybrid Power Quality Events. Energies, 2015, 8, 9777-9793.	1.6	11
13	Basic meteorological stations as wind data source: A mesoscalar test. Journal of Wind Engineering and Industrial Aerodynamics, 2012, 107-108, 48-56.	1.7	10
14	Regional wind monitoring system based on multiple sensor networks: A crowdsourcing preliminary test. Journal of Wind Engineering and Industrial Aerodynamics, 2014, 127, 51-58.	1.7	10
15	Smart grids power quality analysis based in classification techniques and higher-order statistics: Proposal for photovoltaic systems. , 2015, , .		10
16	Reliability Monitoring Based on Higher-Order Statistics: A Scalable Proposal for the Smart Grid. Energies, 2019, 12, 55.	1.6	10
17	A novel inference method for local wind conditions using genetic fuzzy systems. Renewable Energy, 2011, 36, 1747-1753.	4.3	9
18	Exogenous Measurements from Basic Meteorological Stations for Wind Speed Forecasting. Energies, 2013, 6, 5807-5825.	1.6	9

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19	Cloud motion estimation from small-scale irradiance sensor networks: General analysis and proposal of a new method. Solar Energy, 2020, 202, 276-293.	2.9	9
20	Spatial persistence in wind analysis. Journal of Wind Engineering and Industrial Aerodynamics, 2013, 119, 48-52.	1.7	8
21	A Dual Monitoring Technique to Detect Power Quality Transients Based on the Fourth-Order Spectrogram. Energies, 2018, 11, 503.	1.6	6
22	Application of Spectral Kurtosis to Characterize Amplitude Variability in Power Systemsâ€™ Harmonics. Energies, 2019, 12, 194.	1.6	6
23	Waveletsâ€™ filters and higher-order frequency analysis of acoustic emission signals from termite activity. Measurement: Journal of the International Measurement Confederation, 2016, 93, 315-318.	2.5	5
24	Forecasting PM10 in the Bay of Algeciras Based on Regression Models. Sustainability, 2019, 11, 968.	1.6	5
25	HOS network-based classification of power quality events via regression algorithms. Eurasip Journal on Advances in Signal Processing, 2015, 2015, .	1.0	4
26	Towards a satisfactory wind description for concentrated solar plants production assessment. Solar Energy, 2016, 123, 23-28.	2.9	2
27	Cluster analysis for Power Quality monitoring. , 2017, , .		2
28	Improving Flexibility in Wireless Sensor Networks via API. An Application in Environmental Monitoring. , 2018, , .		2
29	Online System for Power Quality Operational Data Management in Frequency Monitoring Using Python and Grafana. Energies, 2021, 14, 8304.	1.6	2
30	HOS and CBR measurement system for PQ assessment. , 2011, , .		1
31	HOS-Based Virtual Instrument for Power Quality Assessment. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 1-9.	0.2	1
32	Adaptive detection and classificaion system for power quality disturbances. , 2013, , .		1
33	Power quality events detection using fourth-order spectra. , 2013, , .		1
34	Voltage Supply Frequency Uncertainty influence on Power Quality index: A qualitative analysis of Higher-Order Statistics 2D trajectories. , 2018, , .		1
35	Power Quality Analysis Using Higher-Order Statistical Estimators: Characterization of Electrical Sags and Swells. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 22-29.	0.2	1
36	PQD classifier based on higher-order statistics and total harmonic distortion. Renewable Energy and Power Quality Journal, 0, 17, 26-30.	0.2	1

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37	Statistical Dataset and Data Acquisition System for Monitoring the Voltage and Frequency of the Electrical Network in an Environment Based on Python and Grafana. Data, 2022, 7, 77.	1.2	1
38	Genetic fuzzy systems applied to model local winds. Procedia Computer Science, 2010, 1, 27-35.	1.2	0
39	Testing New Parameters for Wind Complexity Assessment From ASCAT Measurements. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 933-937.	1.4	0
40	Integration of Higher-Order Time-Frequency Statistics and Neural Networks. Advances in Computational Intelligence and Robotics Book Series, 2016, , 154-172.	0.4	0
41	Reconfigurable Web-Interface Remote Lab for Instrumentation and Electronic Learning. International Journal of Online and Biomedical Engineering, 2020, 16, 69.	0.9	0
42	Design and Test of a High-Performance Wireless Sensor Network for Irradiance Monitoring. Sensors, 2022, 22, 2928.	2.1	0