Mario R Arrieta Paternina

List of Publications by Year
in descending order

57 papers	675 citations	623734 14 h-index	610901 24 g-index
57 all docs	57 docs citations	57 times ranked	685 citing authors

#	ARTICLE	IF	CITATIONS
1	Power System Coherency Detection From Wide-Area Measurements by Typicality-Based Data Analysis. IEEE Transactions on Power Systems, 2022, 37, 388-401.	6.5	7
2	Power system coherency assessment by the affinity propagation algorithm and distance correlation. Sustainable Energy, Grids and Networks, 2022, 30, 100658.	3.9	6
3	Predictive Control-Based NADIR-Minimizing Algorithm for Solid-State Transformer. Energies, 2022, 15, 73.	3.1	0
4	Editorial: Machine Learning and Deep Learning for Physiological Signal Analysis. Frontiers in Physiology, 2022, 13, 887070.	2.8	1
5	Fast hierarchical coordinated controller for distributed battery energy storage systems to mitigate voltage and frequency deviations. Applied Energy, 2022, 323, 119622.	10.1	10
6	Taylorâ€"Fourier Filter-Bank Implemented With O-Splines for the Detection and Classification of Faults. IEEE Transactions on Industrial Informatics, 2021, 17, 3079-3089.	11.3	10
7	Dataâ€"driven power system linear model identification for selective modal analysis by frequency interpolations. IET Generation, Transmission and Distribution, 2021, 15, 1107-1121.	2.5	3
8	On-line Coherency Analysis based on Sliding-Window Koopman Mode Decomposition. , 2021, , .		2
9	Coordinated Optimal Volt/Var Control for Distribution Networks via D-PMUs and EV Chargers by Exploiting the Eigensystem Realization. IEEE Transactions on Smart Grid, 2021, 12, 2425-2438.	9.0	19
10	Two effective methods for impedance estimation in distance relays based on the DC offset removal. Electric Power Systems Research, 2021, 194, 107102.	3.6	4
11	On the Improvement of representative demand curves via a hierarchical agglomerative clustering for power transmission network investment. Energy, 2021, 222, 119989.	8.8	7
12	Decongestion of Active Distribution Grids via D-PMUs-based Reactive Power Control and Electric Vehicle Chargers. , 2021, , 207-232.		0
13	Assessing Synchrophasor Estimates of an Event Captured by a Phasor Measurement Unit. IEEE Transactions on Power Delivery, 2021, 36, 3109-3117.	4.3	12
14	Examination of Wide Area Control Methods to Face Inter-Area Oscillations. , 2021, , .		2
15	Detection of Atrial Fibrillation from Single Lead ECG Signal Using Multirate Cosine Filter Bank and Deep Neural Network. Journal of Medical Systems, 2020, 44, 114.	3.6	36
16	Dynamic phasor-driven digital distance relays protection. Electric Power Systems Research, 2020, 184, 106316.	3.6	8
17	EEG-Rhythm Specific Taylorâ€"Fourier Filter Bank Implemented With O-Splines for the Detection of Epilepsy Using EEG Signals. IEEE Sensors Journal, 2020, 20, 6542-6551.	4.7	60
18	Model-based synchrophasor estimation by exploiting the eigensystem realization approach. Electric Power Systems Research, 2020, 182, 106249.	3.6	6

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19	Light electric vehicle powertrain: Modeling, simulation, and experimentation for engineering students using PSIM. Computer Applications in Engineering Education, 2020, 28, 406-419.	3.4	3
20	A hybrid optimization framework for the non-convex economic dispatch problem via meta-heuristic algorithms. Electric Power Systems Research, 2019, 177, 105999.	3.6	11
21	Automated detection of congestive heart failure from electrocardiogram signal using Stockwell transform and hybrid classification scheme. Computer Methods and Programs in Biomedicine, 2019, 173, 53-65.	4.7	49
22	A Matlab and PowerFactory-based WAMS Simulator. , 2019, , .		3
23	An Adaptable Hybrid Optimization Algorithm for Solving the Economic and Emission Dispatch Problem. , 2019, , .		0
24	Data-Driven Modal Features Extraction Through the Variational Mode Decomposition Method. , 2019, , .		1
25	Bewleyâ€™s Lattice Diagram Implementation by using ATP/EMTP. IEEE Latin America Transactions, 2019, 17, 1458-1465.	1.6	0
26	Grid-Connected Three-Phase Inverter System with LCL Filter: Model, Control and Experimental Results. , 2019, , .		12
27	Identification of electromechanical oscillatory modes based on variational mode decomposition. Electric Power Systems Research, 2019, 167, 71-85.	3.6	50
28	Identification of coherent trajectories by modal characteristics and hierarchical agglomerative clustering. Electric Power Systems Research, 2018, 158, 170-183.	3.6	16
29	Inter-area Oscillation Control Based on Eigensystem Realization Approach. , 2018, , .		10
30	Modeling and Performance Analysis of 1-MW PV Farm for Varying Solar Irradiance Conditions. , 2018, , .		4
31	Synchrophasor Estimation Through An Eigensystem Realization Approach. , 2018, , .		0
32	Real-Time Phasor Estimation via the Taylor-Fourier's Subspace. , 2018, , .		1
33	Wireless and Real-Time Photovoltaic Power Monitoring System. , 2018, , .		6
34	Synchrophasor Estimation Through An Eigensystem Realization Approach. , 2018, , .		0
35	Fault detection and classification in transmission lines based on a PSD index. IET Generation, Transmission and Distribution, 2018, 12, 4070-4078.	2.5	27
36	Real-time Hardware-in-the-loop Implementation for Power Systems Protection. , 2018, , .		11

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37	Real-time simulation of the Prony filter for identifying low frequency oscillations in short-time. , 2018, , .		2
38	Detection of Life Threatening Ventricular Arrhythmia Using Digital Taylor Fourier Transform. Frontiers in Physiology, 2018, 9, 722.	2.8	42
39	Multi-dimensional ringdown modal analysis by filtering. Electric Power Systems Research, 2017, 143, 748-759.	3.6	17
40	A NEW METHOD FOR AUTOMATED DETECTION OF DIABETES FROM HEART RATE SIGNAL. Journal of Mechanics in Medicine and Biology, 2017, 17, 1740001.	0.7	2
41	AUTOMATED DETECTION OF ATRIAL FIBRILLATION ECG SIGNALS USING TWO STAGE VMD AND ATRIAL FIBRILLATION DIAGNOSIS INDEX. Journal of Mechanics in Medicine and Biology, 2017, 17, 1740044.	0.7	25
42	Identification of power system oscillations by a decentralized methodology. , 2017, , .		0
43	Phasor, frequency and ROCOF measurements in microgrids: A practical approach. , 2017, , .		4
44	Dynamic Equivalents by Modal Decomposition of Tie-Line Active Power Flows. IEEE Transactions on Power Systems, 2016, , 1-1.	6.5	5
45	Secondary voltage control areas through energy levels. , 2016, , .		2
46	Novel approaches for multi-channel ringdown analysis using digital filters. , 2016, , .		0
47	Unblocking function of distance relay during power swing based on modal analysis. , 2016, , .		7
48	Real-time implementation of the digital Taylor–Fourier transform for identifying low frequency oscillations. Electric Power Systems Research, 2016, 140, 846-853.	3.6	9
49	Model order reduction of large scale power system by modal decomposition. , 2016, , .		0
50	Distance Relays Based on the<?Pub _newline ?>Taylor–Kalman-Fourier Filter. IEEE Transactions on Power Delivery, 2016, 31, 928-935.	4.3	19
51	Identification of Electromechanical Modes Based on the Digital Taylor-Fourier Transform. IEEE Transactions on Power Systems, 2016, 31, 206-215.	6.5	52
52	Detection and classification of faults in transmission lines using the maximum wavelet singular value and Euclidean norm. IET Generation, Transmission and Distribution, 2015, 9, 2294-2302.	2.5	67
53	Digital filter for phasor estimation applied to distance relays. IET Generation, Transmission and Distribution, 2015, 9, 1954-1963.	2.5	20
54	An effective method for impedance estimation in distance relay based on DC offset removal. , 2015, , .		0

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55	Phasor estimation under transient conditions. , 2015, , .		3
56	Impedance estimation through the Taylor-Kalman-Fourier filter applied to distance relays. , 2014, , .		0
57	Fault detection and classification in transmission line using the Euclidian Norm of the total WSE. , 2014, , .		2