

Jesus Maria Lopez Lezama

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Coordination of Overcurrent Relays in Microgrids Considering a Non-Standard Characteristic. <i>Energies</i> , 2020, 13, 922.	3.1	37
2	A Mixed-Integer Linear Programming Model for the Simultaneous Optimal Distribution Network Reconfiguration and Optimal Placement of Distributed Generation. <i>Energies</i> , 2022, 15, 3063.	3.1	22
3	An Approach for Optimal Coordination of Over-Current Relays in Microgrids with Distributed Generation. <i>Electronics (Switzerland)</i> , 2020, 9, 1740.	3.1	21
4	Voltage Stability Margin Index Estimation Using a Hybrid Kernel Extreme Learning Machine Approach. <i>Energies</i> , 2020, 13, 857.	3.1	19
5	PFC Single-Phase AC/DC Boost Converters: Bridge, Semi-Bridgeless, and Bridgeless Topologies. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7651.	2.5	17
6	A Novel Solution Method for the Distribution Network Reconfiguration Problem Based on a Search Mechanism Enhancement of the Improved Harmony Search Algorithm. <i>Energies</i> , 2022, 15, 2083.	3.1	17
7	A Mixed-Integer Linear Programming Model for Simultaneous Optimal Reconfiguration and Optimal Placement of Capacitor Banks in Distribution Networks. <i>IEEE Access</i> , 2022, 10, 52655-52673.	4.2	17
8	A Scatter Search Heuristic for the Optimal Location, Sizing and Contract Pricing of Distributed Generation in Electric Distribution Systems. <i>Energies</i> , 2017, 10, 1449.	3.1	16
9	BiGRU-CNN Neural Network Applied to Electric Energy Theft Detection. <i>Electronics (Switzerland)</i> , 2022, 11, 693.	3.1	15
10	Optimal Coordination of Over-Current Relays in Microgrids Using Unsupervised Learning Techniques. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1241.	2.5	13
11	A Sliding Surface for Controlling a Semi-Bridgeless Boost Converter with Power Factor Correction and Adaptive Hysteresis Band. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1873.	2.5	10
12	A Multi-Period Optimal Reactive Power Dispatch Approach Considering Multiple Operative Goals. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8535.	2.5	8
13	Implementation of User Cuts and Linear Sensitivity Factors to Improve the Computational Performance of the Security-Constrained Unit Commitment Problem. <i>Energies</i> , 2019, 12, 1399.	3.1	7
14	Interval Load Flow for Uncertainty Consideration in Power Systems Analysis. <i>Energies</i> , 2021, 14, 642.	3.1	7
15	A Novel Strategy to Reduce Computational Burden of the Stochastic Security Constrained Unit Commitment Problem. <i>Energies</i> , 2020, 13, 3777.	3.1	6
16	Hybrid Harmony Search Algorithm Applied to the Optimal Coordination of Overcurrent Relays in Distribution Networks with Distributed Generation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9207.	2.5	6
17	Circuit Breakers in Low- and Medium-Voltage DC Microgrids for Protection against Short-Circuit Electrical Faults: Evolution and Future Challenges. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 15.	2.5	6
18	Vulnerability Analysis to Maximize the Resilience of Power Systems Considering Demand Response and Distributed Generation. <i>Electronics (Switzerland)</i> , 2021, 10, 1498.	3.1	5

#	ARTICLE	IF	CITATIONS
19	Sizing Assessment of Islanded Microgrids Considering Total Investment Cost and Tax Benefits in Colombia. <i>Energies</i> , 2022, 15, 5161.	3.1	5
20	Robust Control of Shunt Active Power Filters: A Dynamical Model-Based Approach with Verified Controllability. <i>Energies</i> , 2020, 13, 6253.	3.1	4
21	Optimal Coordination of Over-Current Relays in Microgrids Using Principal Component Analysis and K-Means. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7963.	2.5	4
22	A New Affinely Adjustable Robust Model for Security Constrained Unit Commitment under Uncertainty. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3987.	2.5	3
23	Vortex Search Algorithm Applied to the Parametric Estimation in PV Cells Considering Manufacturer Datasheet Information. <i>IEEE Latin America Transactions</i> , 2021, 19, 1581-1589.	1.6	2
24	State Estimation in Electric Power Systems Using an Approach Based on a Weighted Least Squares Non-Linear Programming Modeling. <i>Electronics (Switzerland)</i> , 2021, 10, 2560.	3.1	2
25	Application of Intelligent Systems in Volt-VAr Centralized Control in Modern Distribution Systems of Electrical Energy. <i>Electronics (Switzerland)</i> , 2022, 11, 446.	3.1	2
26	Multi-Period Optimal Reactive Power Dispatch Using a Mean-Variance Mapping Optimization Algorithm. <i>Computers</i> , 2022, 11, 48.	3.3	2
27	Implementation of a Programmable Electronic Load for Equipment Testing. <i>Computers</i> , 2022, 11, 106.	3.3	2
28	A Multi-Objective Hybrid Genetic Algorithm for Sizing and Siting of Renewable Distributed Generation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7442.	2.5	1
29	Optimal Generation Start-Up Methodology for Power System Restoration Considering Conventional and Non-Conventional Renewable Energy Sources. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8246.	2.5	1
30	Transmission Network Expansion Planning Considering Optimal Allocation of Series Capacitive Compensation and Active Power Losses. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 388.	2.5	0