

Alexander Aguila

List of Publications by Year in descending order

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163
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid AC/DC microgrid test system simulation: grid-connected mode. Heliyon, 2019, 5, e02862.	3.2	70
2	Optimal reactive power compensation in electrical distribution systems with distributed resources. Review. Heliyon, 2018, 4, e00746.	3.2	41
3	Analysis of power losses in the asymmetric construction of electric distribution systems. IEEE Latin America Transactions, 2015, 13, 2190-2194.	1.6	24
4	Analysis of Stability of Tension and Losses of Electric Power in Distribution Networks with Distributed Generation. IEEE Latin America Transactions, 2016, 14, 4491-4498.	1.6	21
5	Optimum location and sizing of capacitor banks using VOLT VAR compensation in micro-grids. IEEE Latin America Transactions, 2020, 18, 465-472.	1.6	16
6	A novel strategy for dynamic identification in AC/DC microgrids based on ARX and Petri Nets. Heliyon, 2020, 6, e03559.	3.2	15
7	Optimal location and dimensioning of capacitors in microgrids using a multicriteria decision algorithm. Heliyon, 2021, 7, e08061.	3.2	15
8	Analysis and Simulation of Ferroresonance in Power Transformers using Simulink. IEEE Latin America Transactions, 2018, 16, 460-466.	1.6	13
9	Fault Diagnosis on Electrical Distribution Systems Based on Fuzzy Logic. Lecture Notes in Computer Science, 2018, , 174-185.	1.3	13
10	Minimal Deployment and Routing Geographic of PMUs on Electrical Power System based on MST Algorithm. IEEE Latin America Transactions, 2016, 14, 2264-2270.	1.6	11
11	Technical and Economic Assessment of the Implementation of Measures for Reducing Energy Losses in Distribution Systems. IOP Conference Series: Earth and Environmental Science, 2017, 73, 012018.	0.3	11
12	Analysis of voltage profile to determine energy demand using Monte Carlo algorithms and Markov Chains (MCMC). , 2016, , .		9
13	Design of Automatic Reclosing scheme in distribution feeders. IEEE Latin America Transactions, 2015, 13, 2587-2593.	1.6	6
14	Multi-Criteria Optimization of the Deployment of a Grid for Rural Electrification Based on a Heuristic Method. IOP Conference Series: Earth and Environmental Science, 2017, 73, 012020.	0.3	6
15	Modeling and Control of an Automated System in Surgical Microscopy Based on Petri Nets. IEEE Latin America Transactions, 2016, 14, 96-101.	1.6	4
16	Classification of the status of the voltage supply in induction motors using Support Vector Machines. , 2016, , .		3
17	Advanced Metering Infrastructure for Microgeneration in Rural Zones using TV White Spaces based on Spectrum Opportunistic. IEEE Latin America Transactions, 2015, 13, 3813-3819.	1.6	2
18	Optimal sizing of distribution transformers using exhaustive search algorithm. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	An ARX-Petri Nets algorithm for Active Identification of an AC/DC Microgrid Simulation. , 2019, , .		2
20	Passive Control Tolerant to Sensing Faults in dynamic compensation devices - SVC through a hybrid strategy. Ingenius: Revista De Ciencia Y Tecnología, 2022, , 34-43.	0.1	2
21	Optimal Compensation of Reactive Power in Radial Distribution Networks Considering Design Period. , 2019, , .		1