Alexander Aguila

List of Publications by Year
in descending order

21 papers	**287** citations	933447 **10** h-index	940533 **16** g-index
21 all docs	**21** docs citations	**21** times ranked	**163** citing authors

#	Article	IF	Citations
1	Passive Control Tolerant to Sensing Faults in dynamic compensation devices - SVC through a hybrid strategy. Ingenius: Revista De Ciencia Y TecnologÃa, 2022, , 34-43.	0.1	2
2	Optimal location and dimensioning of capacitors in microgrids using a multicriteria decision algorithm. Heliyon, 2021, 7, e08061.	3.2	15
3	A novel strategy for dynamic identification in AC/DC microgrids based on ARX and Petri Nets. Heliyon, 2020, 6, e03559.	3.2	15
4	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
5	Optimal sizing of distribution transformers using exhaustive search algorithm. , 2019, , .		2
6	Optimal Compensation of Reactive Power in Radial Distribution Networks Considering Design Period. , 2019, , .		1
7	Hybrid AC/DC microgrid test system simulation: grid-connected mode. Heliyon, 2019, 5, e02862.	3.2	70
8	An ARX-Petri Nets algorithm for Active Identification of an AC/DC Microgrid Simulation. , 2019, , .		2
9	Analysis and Simulation of Ferroresonance in Power Transformers using Simulink. IEEE Latin America Transactions, 2018, 16, 460-466.	1.6	13
10	Optimal reactive power compensation in electrical distribution systems with distributed resources. Review. Heliyon, 2018, 4, e00746.	3.2	41
11	Fault Diagnosis on Electrical Distribution Systems Based on Fuzzy Logic. Lecture Notes in Computer Science, 2018, , 174-185.	1.3	13
12	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
13	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
14	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
15	Classification of the status of the voltage supply in induction motors using Support Vector Machines. , 2016, , .		3
16	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
17	Analysis of voltage profile to determine energy demand using Monte Carlo algorithms and Markov Chains (MCMC). , 2016, , .		9
18	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

#	Article	IF	Citations
19	Design of Automatic Reclosing scheme in distribution feeders. IEEE Latin America Transactions, 2015, 13, 2587-2593.	1.6	6
20	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
21	Analysis of power losses in the asymmetric construction of electric distribution systems. IEEE Latin America Transactions, 2015, 13, 2190-2194.	1.6	24