Juan Camilo LÃ³pez

List of Publications by Year
in descending order

38 papers	1,046 citations	516710 16 h-index	642732 23 g-index
41 all docs	41 docs citations	41 times ranked	1043 citing authors

#	Article	IF	Citations
1	Microgrids Energy Management Using Robust Convex Programming. IEEE Transactions on Smart Grid, 2019, 10, 4520-4530.	9.0	113
2	Centralized Self-Healing Scheme for Electrical Distribution Systems. IEEE Transactions on Smart Grid, 2016, 7, 145-155.	9.0	104
3	Optimal reconfiguration of electrical distribution systems considering reliability indices improvement. International Journal of Electrical Power and Energy Systems, 2016, 78, 837-845.	5.5	83
4	Nonintrusive Load Monitoring Algorithm Using Mixed-Integer Linear Programming. IEEE Transactions on Consumer Electronics, 2018, 64, 180-187.	3.6	82
5	Parsimonious Short-Term Load Forecasting for Optimal Operation Planning of Electrical Distribution Systems. IEEE Transactions on Power Systems, 2019, 34, 1427-1437.	6.5	74
6	Optimal Restoration/Maintenance Switching Sequence of Unbalanced Three-Phase Distribution Systems. IEEE Transactions on Smart Grid, 2018, 9, 6058-6068.	9.0	66
7	Optimal Operation of Unbalanced Three-Phase Islanded Droop-Based Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 928-940.	9.0	56
8	Security-constrained optimal energy management system for three-phase residential microgrids. Electric Power Systems Research, 2017, 146, 371-382.	3.6	52
9	An optimal stochastic energy management system for resilient microgrids. Applied Energy, 2021, 300, 117435.	10.1	45
10	Optimisationâ€based switch allocation to improve energy losses and service restoration in radial electrical distribution systems. IET Generation, Transmission and Distribution, 2016, 10, 2792-2801.	2.5	40
11	Decentralized electric vehicles charging coordination using only local voltage magnitude measurements. Electric Power Systems Research, 2018, 161, 139-151.	3.6	39
12	Multi-Objective Sizing of Battery Energy Storage Systems for Stackable Grid Applications. IEEE Transactions on Smart Grid, 2021, 12, 2708-2721.	9.0	39
13	Robust optimisation applied to the reconfiguration of distribution systems with reliability constraints. IET Generation, Transmission and Distribution, 2016, 10, 917-927.	2.5	38
14	Distributed Self-Healing Scheme for Unbalanced Electrical Distribution Systems Based on Alternating Direction Method of Multipliers. IEEE Transactions on Power Systems, 2020, 35, 2190-2199.	6.5	35
15	A Generalized Model for the Optimal Operation of Microgrids in Grid-Connected and Islanded Droop-Based Mode. IEEE Transactions on Smart Grid, 2019, 10, 5032-5045.	9.0	30
16	A stochastic programming model for the optimal operation of unbalanced three-phase islanded microgrids. International Journal of Electrical Power and Energy Systems, 2020, 115, 105446.	5.5	28
17	Review of Service Restoration Methods in Distribution Networks. , 2018, , .		17
18	Probabilistic OPF Model for Unbalanced Three-Phase Electrical Distribution Systems Considering Robust Constraints. IEEE Transactions on Power Systems, 2019, 34, 3443-3454.	6.5	16

#	Article	IF	Citations
19	A Linear AC-OPF Formulation for Unbalanced Distribution Networks. IEEE Transactions on Industry Applications, 2021, 57, 4462-4472.	4.9	16
20	Optimal Multi-Scenario, Multi-Objective Allocation of Fault Indicators in Electrical Distribution Systems Using a Mixed-Integer Linear Programming Model. IEEE Transactions on Smart Grid, 2019, 10, 4508-4519.	9.0	12
21	Optimal Operation of Radial Distribution Systems Using Extended Dynamic Programming. IEEE Transactions on Power Systems, 2018, 33, 1352-1363.	6.5	11
22	Optimal Reactive Power Dispatch With Discrete Controllers Using a Branch-and-Bound Algorithm: A Semidefinite Relaxation Approach. IEEE Transactions on Power Systems, 2021, 36, 4539-4550.	6.5	11
23	Optimized Reactive Power Capability of Wind Power Plants With Tap-Changing Transformers. IEEE Transactions on Sustainable Energy, 2021, 12, 1935-1946.	8.8	10
24	Nâ^'1 Multi-contingency transient stability constrained AC optimal power flow with volt/var controllers. Electric Power Systems Research, 2020, 188, 106526.	3.6	6
25	A Novel Linear Optimal Power Flow Model for Three-Phase Electrical Distribution Systems. , 2020, , .		4
26	GRASP model for smart home electrical loads scheduling. , 2015, , .		3
27	Distributed Service Restoration of Active Electrical Distribution Systems using ADMM. , 2019, , .		3
28	Optimization approach for the allocation of remote-controlled switches in real-scale electrical distribution systems. , 2017, , .		2
29	Optimal Sizing of Stationary Energy Storage Systems Participating in Primary Frequency Regulation Markets. , 2018, , .		2
30	Optimal schedule of dispatchable DG in electrical distribution systems with extended dynamic programming. , 2016, , .		1
31	Model for smart building electrical loads scheduling. , 2016, , .		1
32	A Stochastic Market-Clearing Model Using Semidefinite Relaxation. , 2019, , .		1
33	Economic Impact of the Active Power Droop Gain in Droop-Based Islanded Microgrids. , 2019, , .		1
34	Adaptive Robust Linear Programming Model for the Charging Scheduling and Reactive Power Control of EV Fleets. , 2021, , .		1
35	An MPEC Model for the Optimal Operation of Unbalanced Three-phase Distribution Systems. , 2021, , .		1
36	Optimal Restoration of Electrical Distribution Systems Considering Switching Sequence. Energy Systems, 2020, , 273-291.	0.5	0

#	Article	IF	Citations
37	Design and Simulation of a Centralized Self-Healing Scheme for Unbalanced Three-phase Electrical Distribution Systems. Journal of Control, Automation and Electrical Systems, 2022, 33, 901-911.	2.0	0
38	Security-Constrained Energy Management System for Microgrids Under Uncertainty. , 2020, , .		0