Luis Gallego

List of Publications by Year
in descending order

20 papers	325 citations	759233 12 h-index	940533 16 g-index
20 all docs	20 docs citations	20 times ranked	287 citing authors

#	Article	IF	Citations
1	An improved simulated annealingâ€“linear programming hybrid algorithm applied to the optimal coordination of directional overcurrent relays. Electric Power Systems Research, 2020, 181, 106197.	3.6	46
2	Coordination of distance and directional overcurrent relays using an extended continuous domain ACO algorithm and an hybrid ACO algorithm. Electric Power Systems Research, 2019, 170, 259-272.	3.6	37
3	A fast-specialized point estimate method for the probabilistic optimal power flow in distribution systems with renewable distributed generation. International Journal of Electrical Power and Energy Systems, 2021, 131, 107049.	5.5	34
4	A high-performance hybrid algorithm to solve the optimal coordination of overcurrent relays in radial distribution networks considering several curve shapes. Electric Power Systems Research, 2016, 140, 464-472.	3.6	27
5	A Mixed-Integer Linear Programming Model for the Simultaneous Optimal Distribution Network Reconfiguration and Optimal Placement of Distributed Generation. Energies, 2022, 15, 3063.	3.1	22
6	Heuristic Algorithm to Solve the Short Term Transmission Network Expansion Planning. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	21
7	Highâ€performance hybrid genetic algorithm to solve transmission network expansion planning. IET Generation, Transmission and Distribution, 2017, 11, 1111-1118.	2.5	19
8	A Mixed-Integer Linear Programming Model for Simultaneous Optimal Reconfiguration and Optimal Placement of Capacitor Banks in Distribution Networks. IEEE Access, 2022, 10, 52655-52673.	4.2	17
9	Optimal Coordination of Overcurrent Relays Using Mixed Integer Linear Programming. IEEE Latin America Transactions, 2016, 14, 1289-1295.	1.6	16
10	Distributed generation modelling for unbalanced three-phase power flow calculations in smart grids. , 2010, , .		15
11	Optimal Selection of Navigation Modes of HEVs Considering CO₂ Emissions Reduction. IEEE Transactions on Vehicular Technology, 2019, 68, 2196-2206.	6.3	14
12	A specialized genetic algorithm to solve the short term transmission network expansion planning. , 2009, , .		13
13	Chu and Beasley Genetic Algorithm to Solve the Transmission Network Expansion Planning Problem Considering Active Power Losses. IEEE Latin America Transactions, 2021, 19, 1967-1975.	1.6	13
14	Power flow for primary distribution networks considering uncertainty in demand and user connection. International Journal of Electrical Power and Energy Systems, 2012, 43, 1171-1178.	5.5	12
15	Optimal Placement of Capacitors, Voltage Regulators, and Distributed Generators in Electric Power Distribution Systems. IngenierÃa, 2020, 25, 334-354.	0.3	9
16	An Enhanced Genetic Algorithm to Solve the Static and Multistage Transmission Network Expansion Planning. Journal of Electrical and Computer Engineering, 2012, 2012, 1-12.	0.9	5
17	Optimal Placement of Series Capacitive Compensation in Transmission Network Expansion Planning. Journal of Control, Automation and Electrical Systems, 2020, 31, 165-176.	2.0	3
18	Fluxo de potÃªncia trifÃ¡sico probabilÃstico para redes de distribuiÃ§Ã£o usando o mÃ©todo de estimaÃ§Ã£o por pontos. Controle and Automacao, 2012, 23, 179-189.	0.2	2

#	Article	IF	Citations
19	Evaluation of the Influence of a High-Quality Initial Solution in the Coordination of DOCRs Using an ACO Algorithm. , 2018, , .		0
20	Transmission Network Expansion Planning Considering Optimal Allocation of Series Capacitive Compensation and Active Power Losses. Applied Sciences (Switzerland), 2022, 12, 388.	2.5	0