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List of Publications by Year in descending order

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123
papers

2,838
citations

159585

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all docs

123
docs citations

123
times ranked

2225
citing authors

#	ARTICLE	IF	CITATIONS
1	Convex Formulation for Optimal Active and Reactive Power Dispatch. IEEE Latin America Transactions, 2022, 20, 787-798.	1.6	4
2	Increasing RES Hosting Capacity in Distribution Networks Through Closed-Loop Reconfiguration and Volt/VAr Control. IEEE Transactions on Industry Applications, 2022, 58, 4424-4435.	4.9	20
3	PV hosting capacity assessment in distribution systems considering resilience enhancement. Sustainable Energy, Grids and Networks, 2022, 32, 100829.	3.9	7
4	Optimal Restoration of Active Distribution Systems With Voltage Control and Closed-Loop Operation. IEEE Transactions on Smart Grid, 2021, 12, 2295-2306.	9.0	24
5	Restoration switching analysis in the integrated architecture for distribution network operation. Electric Power Systems Research, 2021, 194, 107069.	3.6	7
6	Analysis of the Precision of a Second-Order Conic Model to Solve the Optimal Power Dispatch Problem in Electric Power Systems. Journal of Control, Automation and Electrical Systems, 2021, 32, 1356-1364.	2.0	2
7	Increasing the RES Hosting Capacity in Distribution Systems Through Reconfiguration with Closed-Loop Operation and Voltage Control. , 2021, , .		1
8	A new parallel and decomposition approach to solve the medium- and low-voltage planning of large-scale power distribution systems. International Journal of Electrical Power and Energy Systems, 2021, 132, 107191.	5.5	5
9	Distribution Systems Resilience Improvement Utilizing Multiple Operational Resources. , 2021, , .		3
10	Matheuristic Algorithm Based on Neighborhood Structure to Solve the Reconfiguration Problem of Active Distribution Systems. , 2021, , .		4
11	Resilience enhancement in the planning of medium-and low voltage power distribution systems with microgrid formation. , 2021, , .		0
12	Carbon Footprint Management: A Pathway Toward Smart Emission Abatement. IEEE Transactions on Industrial Informatics, 2020, 16, 935-948.	11.3	39
13	Enhancement of the Resilience Through Microgrids Formation and DG Allocation with Master-Slave DG Operation. , 2020, , .		0
14	Optimal Power Flow with Renewable Generation: A Modified NSGA-II-based Probabilistic Solution Approach. Journal of Control, Automation and Electrical Systems, 2020, 31, 979-989.	2.0	5
15	A Mixed Integer Conic Model for Distribution Expansion Planning: Matheuristic Approach. IEEE Transactions on Smart Grid, 2020, 11, 3932-3943.	9.0	26
16	Reliability-Centered Maintenance Task Planning for Overhead Electric Power Distribution Networks. Journal of Control, Automation and Electrical Systems, 2020, 31, 1278-1287.	2.0	16
17	Multiobjective Approach for Medium- and Low-Voltage Planning of Power Distribution Systems Considering Renewable Energy and Robustness. Energies, 2020, 13, 2517.	3.1	4
18	Incorporating a Nodal Reactive Power Pricing Scheme Into the DisCoâ€™s Short-Term Operation. IEEE Transactions on Smart Grid, 2019, 10, 3720-3731.	9.0	14

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19	Automatic restoration of large-scale distribution networks with distributed generators, voltage control devices and heating loads. <i>Electric Power Systems Research</i> , 2019, 176, 105925.	3.6	11
20	Medium-and Low-voltage Planning of Electric Power Distribution Systems with Distributed Generation, Energy Storage Sources, and Electric Vehicles. , 2019, , .		4
21	Optimal power flow problem considering multiple-fuel options and disjoint operating zones: A solver-friendly MINLP model. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 113, 45-55.	5.5	38
22	Resiliency Assessment in Distribution Networks Using GIS-Based Predictive Risk Analytics. <i>IEEE Transactions on Power Systems</i> , 2019, 34, 4249-4257.	6.5	38
23	Optimal location-allocation of storage devices and renewable-based DG in distribution systems. <i>Electric Power Systems Research</i> , 2019, 172, 11-21.	3.6	96
24	Robust Short-Term Electrical Distribution Network Planning Considering Simultaneous Allocation of Renewable Energy Sources and Energy Storage Systems. , 2019, , 145-175.		1
25	Optimal Capacitor Placement in Unbalanced Electrical Power Distribution Systems through Differential Evolution Algorithm. , 2019, , .		0
26	Voltage-dependent load model-based short-term distribution network planning considering carbon tax surplus. <i>IET Generation, Transmission and Distribution</i> , 2019, 13, 3760-3770.	2.5	15
27	A stochastic mixed-integer convex programming model for long-term distribution system expansion planning considering greenhouse gas emission mitigation. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 108, 86-95.	5.5	64
28	A decomposition approach for integrated planning of primary and secondary distribution networks considering distributed generation. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 106, 146-157.	5.5	22
29	Adaptive Robust Short-Term Planning of Electrical Distribution Systems Considering Siting and Sizing of Renewable Energy Based DG Units. <i>IEEE Transactions on Sustainable Energy</i> , 2019, 10, 158-169.	8.8	60
30	A stochastic mixed-integer conic programming model for distribution system expansion planning considering wind generation. <i>Energy Systems</i> , 2018, 9, 551-571.	3.0	22
31	Detecting and Locating Non-Technical Losses in Modern Distribution Networks. <i>IEEE Transactions on Smart Grid</i> , 2018, 9, 1023-1032.	9.0	104
32	Logically constrained optimal power flow: Solver-based mixed-integer nonlinear programming model. <i>International Journal of Electrical Power and Energy Systems</i> , 2018, 97, 240-249.	5.5	35
33	Distribution System Self-Healing Implementation using Decentralized IED-based Multi-Agent System. , 2018, , .		1
34	A Multiobjective Optimization Technique to Develop Protection Systems of Distribution Networks With Distributed Generation. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 7064-7075.	6.5	41
35	Short-term operation of a distribution company: A pseudo-dynamic tabu search-based optimisation. <i>IET Generation, Transmission and Distribution</i> , 2018, 12, 2995-3004.	2.5	7
36	Development of a Self-Healing Strategy With Multiagent Systems for Distribution Networks. <i>IEEE Transactions on Smart Grid</i> , 2017, 8, 2198-2206.	9.0	49

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37	A demand power factor-based approach for finding the maximum loading point. Electric Power Systems Research, 2017, 151, 283-295.	3.6	5
38	Short-Term Electrical Distribution Systems Planning Considering Distributed Generation and Reliability. Journal of Control, Automation and Electrical Systems, 2017, 28, 552-566.	2.0	7
39	Medium- and low-voltage planning of radial electric power distribution systems considering reliability. IET Generation, Transmission and Distribution, 2017, 11, 2212-2221.	2.5	20
40	Environmentally committed short-term planning of electrical distribution systems considering renewable based DG siting and sizing. , 2017, , .		8
41	A Multiobjective Minimax Regret Robust VAR Planning Model. IEEE Transactions on Power Systems, 2017, 32, 1761-1771.	6.5	10
42	A nodal pricing approach for reactive power in distribution networks. , 2017, , .		9
43	Carbon footprint allocation among consumers and transmission losses. , 2017, , .		2
44	Control and protection of active distribution systems using a new multiobjective mathematical model. , 2017, , .		4
45	Failure probability metric by machine learning for online risk assessment in distribution networks. , 2017, , .		3
46	The impact of time series-based interruption cost on online risk assessment in distribution networks. , 2016, , .		7
47	A new approach for reliability-centered maintenance programs in electric power distribution systems based on a multiobjective genetic algorithm. Electric Power Systems Research, 2016, 137, 41-50.	3.6	64
48	A Node-Depth Encoding-Based Tabu Search Algorithm for Power Distribution System Restoration. Journal of Control, Automation and Electrical Systems, 2016, 27, 317-327.	2.0	8
49	Distribution system state estimation using the Hamiltonian cycle theory. , 2016, , .		1
50	Planning And Project Of Medium Voltage Electric Power Distribution Systems. IEEE Latin America Transactions, 2016, 14, 2298-2308.	1.6	5
51	Optimal short-term operation of a DisCo including voltage-sensitive loads. , 2016, , .		3
52	Optimal Power Flow with Voltage-Sensitive Loads in Distribution Networks. , 2016, , .		4
53	An Unambiguous Distance-Based MIQP Model to Solve Economic Dispatch Problems with Disjoint Operating Zones. IEEE Transactions on Power Systems, 2016, 31, 825-826.	6.5	18
54	Optimal Distributed Generation and Reactive Power Allocation in Electrical Distribution Systems. IEEE Transactions on Sustainable Energy, 2016, 7, 975-984.	8.8	160

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55	Multi-area environmentally constrained active-reactive optimal power flow: a short-term tie line planning study. IET Generation, Transmission and Distribution, 2016, 10, 299-309.	2.5	19
56	Integrated Fault Location and Power-Quality Analysis in Electric Power Distribution Systems. IEEE Transactions on Power Delivery, 2016, 31, 428-436.	4.3	61
57	Distribution System State Estimation Using the Hamiltonian Cycle Theory. IEEE Transactions on Smart Grid, 2016, 7, 366-375.	9.0	26
58	Automatic restoration of active distribution networks based on tabu search specialized algorithm. , 2015, , .		1
59	Planning Medium-Voltage Electric Power Distribution Systems through a Scatter Search Algorithm. IEEE Latin America Transactions, 2015, 13, 2637-2645.	1.6	6
60	Study of the IEC 61850 protocol on multiagent systems for power system applications. , 2015, , .		2
61	Optimal Coordination of Overcurrent Directional and Distance Relays in Meshed Networks Using Genetic Algorithm. IEEE Latin America Transactions, 2015, 13, 2975-2982.	1.6	29
62	Development of a Smart Grid Simulation Environment, Part I: Project of the Electrical Devices Simulator. Journal of Control, Automation and Electrical Systems, 2015, 26, 80-95.	2.0	14
63	Planning of Distribution Systems Using Mixed-Integer Linear Programming Models Considering Network Reliability. Journal of Control, Automation and Electrical Systems, 2015, 26, 170-179.	2.0	22
64	Development of a Smart Grid Simulation Environment, Part II: Implementation of the Advanced Distribution Management System. Journal of Control, Automation and Electrical Systems, 2015, 26, 96-104.	2.0	12
65	A convex chance-constrained model for reactive power planning. International Journal of Electrical Power and Energy Systems, 2015, 71, 403-411.	5.5	20
66	Reactive power planning under conditional value-at-risk assessment using chance-constrained optimisation. IET Generation, Transmission and Distribution, 2015, 9, 231-240.	2.5	24
67	Reconfiguration of Radial Electric Power Distribution System via a Scatter Search Algorithm. IEEE Latin America Transactions, 2015, 13, 1022-1028.	1.6	8
68	Volt-VAR Multiobjective Optimization to Peak-Load Relief and Energy Efficiency in Distribution Networks. IEEE Transactions on Power Delivery, 2015, 30, 618-626.	4.3	101
69	Active power reserve for frequency control provided by distributed generators in distribution networks. , 2014, , .		5
70	Multiobjective multistage distribution system planning using tabu search. IET Generation, Transmission and Distribution, 2014, 8, 35-45.	2.5	88
71	An unequivocal normalization-based paradigm to solve dynamic economic and emission active-reactive OPF (optimal power flow). Energy, 2014, 73, 554-566.	8.8	20
72	Fast fault section estimation in distribution control centers using adaptive genetic algorithm. International Journal of Electrical Power and Energy Systems, 2014, 63, 787-805.	5.5	12

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73	Mixed-integer convex model for VAr expansion planning. , 2014, , .		0
74	Capacity of active power reserve for frequency control enhanced by distributed generators. , 2013, , .		1
75	State estimation of distribution networks through the real-time measurements of the smart meters. , 2013, , .		9
76	A multiobjective model for distribution system planning based on tabu search. , 2013, , .		0
77	Optimal reactive power planning using two-stage stochastic chance-constrained programming. , 2013, , .		5
78	A Multi-Stage Stochastic Non-Linear Model for Reactive Power Planning Under Contingencies. IEEE Transactions on Power Systems, 2013, 28, 1503-1514.	6.5	41
79	Improving the Grid Operation and Reliability Cost of Distribution Systems With Dispersed Generation. IEEE Transactions on Power Systems, 2013, 28, 2485-2496.	6.5	39
80	Probabilistic Algorithms for Power Load Flow and Short-Circuit Analysis in Distribution Networks with Dispersed Generation. Journal of Control, Automation and Electrical Systems, 2013, 24, 324-338.	2.0	2
81	Multiobjective Short-Term Planning of Electric Power Distribution Systems Using NSGA-II. Journal of Control, Automation and Electrical Systems, 2013, 24, 286-299.	2.0	22
82	Congestion effects on regional & system emission and consumers allocated cost. , 2013, , .		0
83	A novel straightforward compromising method for dynamic economic and emission dispatch considering valve-point effect. , 2013, , .		2
84	Optimal reactive power planning using risk analysis. , 2013, , .		0
85	Efficient forecast system for distributed generators with uncertainties in the primary energy source. , 2013, , .		0
86	A proposal for reliability evaluation of components on electric power distribution system integrating probabilistic models and fuzzy inference systems. , 2012, , .		1
87	Optimal reactive power dispatch using stochastic chance-constrained programming. , 2012, , .		14
88	Unbalanced Three-Phase Induction Motors Starting and Arc Welding Machines Short-Circuit Modeling. IEEE Latin America Transactions, 2012, 10, 2241-2248.	1.6	1
89	A decentralized approach for optimal reactive power dispatch using a Lagrangian decomposition method. Electric Power Systems Research, 2012, 89, 148-156.	3.6	94
90	Primary power distribution systems planning taking into account reliability, operation and expansion costs. IET Generation, Transmission and Distribution, 2012, 6, 274.	2.5	56

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91	Optimal switch allocation for automatic load transfer in distribution substations. , 2011, , .		4
92	Simulation environment of distance protection with ATP and foreign models. , 2011, , .		3
93	Short-Term Planning of Electric Power Distribution Networks using Multiobjective Genetic Algorithm. , 2011, , .		0
94	Fault section estimation in electric power systems using an optimization immune algorithm. Electric Power Systems Research, 2010, 80, 1341-1352.	3.6	20
95	Optimal Phasor Measurement Units Placement for fault location on overhead electric power distribution feeders. , 2010, , .		7
96	Reactive power dispatch and planning using a non-linear branch-and-bound algorithm. IET Generation, Transmission and Distribution, 2010, 4, 963.	2.5	21
97	Distribution system restoration in a DG environment using a heuristic constructive multi-start algorithm. , 2010, , .		5
98	Decentralized AC power flow for real-time multi-TSO power system operation. , 2010, , .		6
99	Multi-area decentralized optimal VAR planning using the Dantzig-Wolfe decomposition principle. , 2010, , .		5
100	Probabilistic analysis of the distributed power generation in weakly meshed distribution systems. , 2010, , .		7
101	Mathematical decomposition technique applied to the probabilistic power flow problem. , 2010, , .		0
102	Multi Objective Evolutionary Algorithm Applied to the Optimal Power Flow Problem. IEEE Latin America Transactions, 2010, 8, 236-244.	1.6	6
103	Multiarea optimal power flow using multiobjective evolutionary Algorithm. , 2009, , .		2
104	Optimized Allocation of Control and Protective Devices in Electric Distribution Systems. Electric Power Components and Systems, 2009, 38, 1-21.	1.8	7
105	Planning and Projects of Secondary Electric Power Distribution Systems. IEEE Transactions on Power Systems, 2009, 24, 1599-1608.	6.5	47
106	Improved Fault Location on Distribution Feeders Based on Matching During-Fault Voltage Sags. IEEE Transactions on Power Delivery, 2009, 24, 852-862.	4.3	133
107	Fault section estimation in automated distribution substations. , 2009, , .		2
108	Integrated planning of electric power distribution networks. IEEE Latin America Transactions, 2009, 7, 203-210.	1.6	12

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109	Optimised placement of control and protective devices in electric distribution systems through reactive tabu search algorithm. Electric Power Systems Research, 2008, 78, 372-381.	3.6	70
110	Multi-areas optimal reactive power flow. , 2008, , .		9
111	Evaluation of hybrid models for static and multistage transmission system planning. Controle and Automacao, 2007, 18, 106-114.	0.2	6
112	Interactive System for Placement and Coordination of Overcurrent Protective Devices. , 2006, , .		3
113	Location of Single Line-to-Ground Faults on Distribution Feeders Using Voltage Measurements. , 2006, , .		5
114	Constructive heuristic algorithm for the DC model in network transmission expansion planning. IET Generation, Transmission and Distribution, 2005, 152, 277.	1.1	100
115	Transmission-expansion planning using the DC model and nonlinear-programming technique. IET Generation, Transmission and Distribution, 2005, 152, 763.	1.1	50
116	Interior point algorithm for linear programming used in transmission network synthesis. Electric Power Systems Research, 2005, 76, 9-16.	3.6	13
117	Planning of Secondary Distribution Circuits Through Evolutionary Algorithms. IEEE Transactions on Power Delivery, 2005, 20, 205-213.	4.3	43
118	Allocation of protective devices in distribution circuits using nonlinear programming models and genetic algorithms. Electric Power Systems Research, 2004, 69, 77-84.	3.6	55
119	Efficient linear programming algorithm for the transmission network expansion planning problem. IET Generation, Transmission and Distribution, 2003, 150, 536.	1.1	33
120	Analysis of heuristic algorithms for the transportation model in static and multistage planning in network expansion systems. IET Generation, Transmission and Distribution, 2003, 150, 521.	1.1	56
121	VAR planning using genetic algorithm and linear programming. IET Generation, Transmission and Distribution, 2001, 148, 257.	1.1	28
122	Branch and bound algorithm for transmission system expansion planning using a transportation model. IET Generation, Transmission and Distribution, 2000, 147, 149.	1.1	137
123	A heuristic method for reactive power planning. IEEE Transactions on Power Systems, 1996, 11, 68-74.	6.5	59