

List of Publications by Year in descending order

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126
papers

5,234
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94381

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all docs

126
docs citations

126
times ranked

4535
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric Vehicle Battery Charging/Swap Stations in Distribution Systems: Comparison Study and Optimal Planning. IEEE Transactions on Power Systems, 2014, 29, 221-229.	4.6	396
2	A Multi-Objective Collaborative Planning Strategy for Integrated Power Distribution and Electric Vehicle Charging Systems. IEEE Transactions on Power Systems, 2014, 29, 1811-1821.	4.6	298
3	Optimal Allocation of Energy Storage System for Risk Mitigation of DISCOs With High Renewable Penetrations. IEEE Transactions on Power Systems, 2014, 29, 212-220.	4.6	274
4	Quantum-Inspired Particle Swarm Optimization for Valve-Point Economic Load Dispatch. IEEE Transactions on Power Systems, 2010, 25, 215-222.	4.6	243
5	Electricity Price Forecasting With Extreme Learning Machine and Bootstrapping. IEEE Transactions on Power Systems, 2012, 27, 2055-2062.	4.6	214
6	Coordinated Operational Planning for Wind Farm With Battery Energy Storage System. IEEE Transactions on Sustainable Energy, 2015, 6, 253-262.	5.9	198
7	Quantum-Inspired Particle Swarm Optimization for Power System Operations Considering Wind Power Uncertainty and Carbon Tax in Australia. IEEE Transactions on Industrial Informatics, 2012, 8, 880-888.	7.2	168
8	Low Carbon Oriented Expansion Planning of Integrated Gas and Power Systems. IEEE Transactions on Power Systems, 2015, 30, 1035-1046.	4.6	162
9	Two-stage energy management for networked microgrids with high renewable penetration. Applied Energy, 2018, 226, 39-48.	5.1	156
10	Stochastic Collaborative Planning of Electric Vehicle Charging Stations and Power Distribution System. IEEE Transactions on Industrial Informatics, 2018, 14, 321-331.	7.2	140
11	Optimal allocation of battery energy storage systems in distribution networks with high wind power penetration. IET Renewable Power Generation, 2016, 10, 1105-1113.	1.7	132
12	Optimal scheduling of distributed energy resources as a virtual power plant in a transactive energy framework. IET Generation, Transmission and Distribution, 2017, 11, 3417-3427.	1.4	119
13	A Self-Adaptive RBF Neural Network Classifier for Transformer Fault Analysis. IEEE Transactions on Power Systems, 2010, 25, 1350-1360.	4.6	109
14	A Linear Programming Approach to Expansion Co-Planning in Gas and Electricity Markets. IEEE Transactions on Power Systems, 2016, 31, 3594-3606.	4.6	99
15	Optimal placement of battery energy storage in distribution networks considering conservation voltage reduction and stochastic load composition. IET Generation, Transmission and Distribution, 2017, 11, 3862-3870.	1.4	89
16	Short-term operational planning framework for virtual power plants with high renewable penetrations. IET Renewable Power Generation, 2016, 10, 623-633.	1.7	88
17	Optimal Operation of Battery Energy Storage System Considering Distribution System Uncertainty. IEEE Transactions on Sustainable Energy, 2018, 9, 1051-1060.	5.9	87
18	An Intelligent Dynamic Security Assessment Framework for Power Systems With Wind Power. IEEE Transactions on Industrial Informatics, 2012, 8, 995-1003.	7.2	80

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19	Unified Power Flow Algorithm for Standalone AC/DC Hybrid Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 639-649.	6.2	80
20	Battery ESS Planning for Wind Smoothing via Variable-Interval Reference Modulation and Self-Adaptive SOC Control Strategy. IEEE Transactions on Sustainable Energy, 2017, 8, 695-707.	5.9	71
21	Cooperation-Based Distributed Economic MPC for Economic Load Dispatch and Load Frequency Control of Interconnected Power Systems. IEEE Transactions on Power Systems, 2019, 34, 3964-3966.	4.6	71
22	Thermal Inertial Aggregation Model for Integrated Energy Systems. IEEE Transactions on Power Systems, 2020, 35, 2374-2387.	4.6	71
23	An Operational Planning Framework for Large-Scale Thermostatically Controlled Load Dispatch. IEEE Transactions on Industrial Informatics, 2017, 13, 217-227.	7.2	66
24	Coordinated Dispatch of Virtual Energy Storage Systems in LV Grids for Voltage Regulation. IEEE Transactions on Industrial Informatics, 2018, 14, 2452-2462.	7.2	64
25	Modeling and Analysis of Lithium Battery Operations in Spot and Frequency Regulation Service Markets in Australia Electricity Market. IEEE Transactions on Industrial Informatics, 2017, 13, 2576-2586.	7.2	62
26	Demand response: a strategy to address residential air-conditioning peak load in Australia. Journal of Modern Power Systems and Clean Energy, 2013, 1, 223-230.	3.3	55
27	A novel projected two-binary-variable formulation for unit commitment in power systems. Applied Energy, 2017, 187, 732-745.	5.1	50
28	Critical Bus Voltage Support in Distribution Systems With Electric Springs and Responsibility Sharing. IEEE Transactions on Power Systems, 2017, 32, 3584-3593.	4.6	47
29	Collector System Layout Optimization Framework for Large-Scale Offshore Wind Farms. IEEE Transactions on Sustainable Energy, 2016, 7, 1398-1407.	5.9	44
30	Hierarchical SCOPF Considering Wind Energy Integration Through Multiterminal VSC-HVDC Grids. IEEE Transactions on Power Systems, 2017, 32, 4211-4221.	4.6	44
31	An improved probabilistic load flow simulation method considering correlated stochastic variables. International Journal of Electrical Power and Energy Systems, 2019, 111, 260-268.	3.3	44
32	Coordinated Dispatch of Virtual Energy Storage Systems in Smart Distribution Networks for Loading Management. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 776-786.	5.9	44
33	Distributed control of thermostatically controlled loads in distribution network with high penetration of solar PV. CSEE Journal of Power and Energy Systems, 2017, 3, 53-62.	1.7	42
34	Integrated distribution expansion planning considering stochastic renewable energy resources and electric vehicles. Applied Energy, 2020, 278, 115720.	5.1	41
35	Economic Dispatch of Integrated Energy Systems With Robust Thermal Comfort Management. IEEE Transactions on Sustainable Energy, 2021, 12, 222-233.	5.9	41
36	Cooperation-Driven Distributed Model Predictive Control for Energy Storage Systems. IEEE Transactions on Smart Grid, 2015, 6, 2583-2585.	6.2	40

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37	A Finite-Time Distributed Optimization Algorithm for Economic Dispatch in Smart Grids. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2068-2079.	5.9	40
38	Multi-objective distributed wind generation planning in an unbalanced distribution system. CSEE Journal of Power and Energy Systems, 2017, 3, 186-195.	1.7	37
39	Low-Carbon Electricity Network Transition Considering Retirement of Aging Coal Generators. IEEE Transactions on Power Systems, 2020, 35, 4193-4205.	4.6	37
40	Optimal Dispatch of Coupled Electricity and Heat System With Independent Thermal Energy Storage. IEEE Transactions on Power Systems, 2019, 34, 3250-3263.	4.6	36
41	N-k Induced Cascading Contingency Screening. IEEE Transactions on Power Systems, 2015, 30, 2824-2825.	4.6	35
42	Hydraulic-Thermal Cooperative Optimization of Integrated Energy Systems: A Convex Optimization Approach. IEEE Transactions on Smart Grid, 2020, 11, 4818-4832.	6.2	33
43	Adaptive Droop Control of Multi-Terminal HVDC Network for Frequency Regulation and Power Sharing. IEEE Transactions on Power Systems, 2021, 36, 566-578.	4.6	33
44	Collaborative Filtering-Based Electricity Plan Recommender System. IEEE Transactions on Industrial Informatics, 2019, 15, 1393-1404.	7.2	31
45	Optimal integration of mobile battery energy storage in distribution system with renewables. Journal of Modern Power Systems and Clean Energy, 2015, 3, 589-596.	3.3	30
46	Utilisation of kinetic energy from wind turbine for grid connections: a review paper. IET Renewable Power Generation, 2018, 12, 615-624.	1.7	30
47	Rational and self-adaptive evolutionary extreme learning machine for electricity price forecast. Memetic Computing, 2016, 8, 223-233.	2.7	28
48	Optimal Power Sharing Control of Wind Turbines. IEEE Transactions on Power Systems, 2017, 32, 824-825.	4.6	28
49	Cooperation-Driven Distributed Control Scheme for Large-Scale Wind Farm Active Power Regulation. IEEE Transactions on Energy Conversion, 2017, 32, 1240-1250.	3.7	27
50	Optimal air-conditioning load control in distribution network with intermittent renewables. Journal of Modern Power Systems and Clean Energy, 2017, 5, 55-65.	3.3	26
51	Coordinated expansion co-planning of integrated gas and power systems. Journal of Modern Power Systems and Clean Energy, 2017, 5, 314-325.	3.3	26
52	Improved Cycle Control and Sizing Scheme for Wind Energy Storage System Based on Multiobjective Optimization. IEEE Transactions on Sustainable Energy, 2017, 8, 966-977.	5.9	26
53	Investigating subsynchronous oscillations caused by interactions between PMSC-based wind farms and weak AC systems. International Journal of Electrical Power and Energy Systems, 2020, 115, 105477.	3.3	25
54	Optical Performance Monitoring Using Artificial Neural Network Trained With Asynchronous Amplitude Histograms. IEEE Photonics Technology Letters, 2010, , .	1.3	23

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55	Bayesian Hybrid Collaborative Filtering-Based Residential Electricity Plan Recommender System. IEEE Transactions on Industrial Informatics, 2019, 15, 4731-4741.	7.2	23
56	Wind power impact on system operations and planning. , 2010, , .		22
57	A hierarchical alternating direction method of multipliers for fully distributed unit commitment. International Journal of Electrical Power and Energy Systems, 2019, 108, 204-217.	3.3	22
58	A Fixed-Point Based Distributed Method for Energy Flow Calculation in Multi-Energy Systems. IEEE Transactions on Sustainable Energy, 2020, 11, 2567-2580.	5.9	22
59	A novel technique for the optimal design of offshore wind farm electrical layout. Journal of Modern Power Systems and Clean Energy, 2013, 1, 258-263.	3.3	21
60	Coordinated dispatch of networked energy storage systems for loading management in active distribution networks. IET Renewable Power Generation, 2016, 10, 1374-1381.	1.7	21
61	Flexible Operational Planning Framework Considering Multiple Wind Energy Forecasting Service Providers. IEEE Transactions on Sustainable Energy, 2016, 7, 708-717.	5.9	20
62	Insurance strategy for mitigating power system operational risk introduced by wind power forecasting uncertainty. Renewable Energy, 2016, 89, 606-615.	4.3	20
63	A Two-Layer Hybrid Optimization Approach for Large-Scale Offshore Wind Farm Collector System Planning. IEEE Transactions on Industrial Informatics, 2021, 17, 7433-7444.	7.2	20
64	Optimal integration of MBESSs/SBESSs in distribution systems with renewables. IET Renewable Power Generation, 2018, 12, 1172-1179.	1.7	19
65	Collector System Topology Design for Offshore Wind Farm's Repowering and Expansion. IEEE Transactions on Sustainable Energy, 2021, 12, 847-859.	5.9	19
66	Expansion co-planning for shale gas integration in a combined energy market. Journal of Modern Power Systems and Clean Energy, 2015, 3, 302-311.	3.3	18
67	Optimal operation scheduling for microgrid with high penetrations of solar power and thermostatically controlled loads. Science and Technology for the Built Environment, 2016, 22, 666-673.	0.8	18
68	Hierarchical control scheme for coordinated reactive power regulation in clustered wind farms. IET Renewable Power Generation, 2018, 12, 1119-1126.	1.7	18
69	A day-ahead scheduling framework for thermostatically controlled loads with thermal inertia and thermal comfort model. Journal of Modern Power Systems and Clean Energy, 2019, 7, 568-578.	3.3	18
70	Multi-Agent-Based Voltage Regulation Scheme for High Photovoltaic Penetrated Active Distribution Networks Using Battery Energy Storage Systems. IEEE Access, 2020, 8, 7323-7333.	2.6	17
71	Optimal sizing of substation-scale energy storage station considering seasonal variations in wind energy. IET Generation, Transmission and Distribution, 2016, 10, 3241-3250.	1.4	15
72	Effect of automatic hyperparameter tuning for residential load forecasting via deep learning. , 2017, , .		15

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73	Offshore Transmission Network Planning for Wind Integration Considering AC and DC Transmission Options. IEEE Transactions on Power Systems, 2019, 34, 4258-4268.	4.6	15
74	Development of HVRT and LVRT Control Strategy for PMSG-Based Wind Turbine Generators. Energies, 2020, 13, 5442.	1.6	15
75	Consensus control of electric spring using back-to-back converter for voltage regulation with ultra-high renewable penetration. Journal of Modern Power Systems and Clean Energy, 2017, 5, 897-907.	3.3	14
76	Collector System Topology for Large-Scale Offshore Wind Farms Considering Cross-Substation Incorporation. IEEE Transactions on Sustainable Energy, 2020, 11, 1601-1611.	5.9	14
77	Sequence control strategy for hybrid energy storage system for wind smoothing. IET Generation, Transmission and Distribution, 2019, 13, 4482-4490.	1.4	13
78	Decentralized Optimal Control of a Microgrid with Solar PV, BESS and Thermostatically Controlled Loads. Energies, 2019, 12, 2111.	1.6	13
79	HES Sizing Methodology for an Existing Thermal Generator for the Promotion of AGC Response Ability. IEEE Transactions on Sustainable Energy, 2020, 11, 608-617.	5.9	13
80	Modeling of distributed generators and converters control for power flow analysis of networked islanded hybrid microgrids. Electric Power Systems Research, 2020, 184, 106343.	2.1	13
81	Online Sequential Extreme Learning Machine Algorithm for Better Predispach Electricity Price Forecasting Grids. IEEE Transactions on Industry Applications, 2021, 57, 1860-1871.	3.3	13
82	Multi-objective transmission expansion planning in a smart grid using a decomposition-based evolutionary algorithm. IET Generation, Transmission and Distribution, 2016, 10, 4024-4031.	1.4	12
83	A Probabilistic Assessment Method for Voltage Stability Considering Large Scale Correlated Stochastic Variables. IEEE Access, 2020, 8, 5407-5415.	2.6	12
84	Optimal shared mobility planning for electric vehicles in the distribution network. IET Generation, Transmission and Distribution, 2019, 13, 2257-2267.	1.4	11
85	Electricity plan recommender system with electrical instruction-based recovery. Energy, 2020, 203, 117775.	4.5	11
86	Optimal Allocation of ESS in Distribution Systems Considering Wind Power Uncertainties. , 2012, , .		10
87	Offshore wind farm collector system layout optimization based on self-tracking minimum spanning tree. International Transactions on Electrical Energy Systems, 2019, 29, e2729.	1.2	10
88	Energy sharing strategy based on call auction trading: Energy bank system. International Journal of Electrical Power and Energy Systems, 2020, 123, 106320.	3.3	10
89	Accelerating Multi-layer Perceptron based short term demand forecasting using Graphics Processing Units. , 2009, , .		8
90	Differential evolution algorithm for multi-objective economic load dispatch considering minimum emission costs. , 2011, , .		8

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91	Hybrid cloud computing platform: The next generation IT backbone for smart grid. , 2012, , .		8
92	A MILP approach to accommodate more Building Integrated Photovoltaic system in distribution network. , 2015, , .		6
93	Power network planning considering trade-off between cost, risk, and reliability. International Transactions on Electrical Energy Systems, 2017, 27, e2462.	1.2	6
94	Use of High-performance Graphics Processing Units for Power System Demand Forecasting. Journal of Electrical Engineering and Technology, 2010, 5, 363-370.	1.2	6
95	Voltage regulation in distribution network using battery storage units via distributed optimization. , 2016, , .		5
96	Control Strategy of Hybrid Energy Storage System to Improve AGC Performance of Thermal Generator. , 2018, , .		5
97	Mixed-integer second-order cone programming framework for optimal scheduling of microgrids considering power flow constraints. IET Renewable Power Generation, 2019, 13, 2673-2683.	1.7	5
98	A control strategy of battery energy storage system and allocation in distribution systems. , 2013, , .		4
99	Non-interruptive thermostatically controlled load for primary frequency support. , 2016, , .		4
100	Supplementary Frequency Regulation with Multiple Virtual Energy Storage System Aggregators. Electric Power Components and Systems, 2018, 46, 1719-1730.	1.0	4
101	A Power-to-Gas Integrated Microgrid Optimal Operation Strategy Based on Rolling Horizon. , 2019, , .		4
102	Enhancing the computing efficiency of power system dynamic analysis with PSS_E. , 2009, , .		3
103	Expansion co-planning with uncertainties in a coupled energy market. , 2014, , .		3
104	A hierarchical optimization framework for aggregating thermostatically controlled loads to minimize real-time thermal rating of overhead distribution lines. , 2014, , .		3
105	Risk constrained battery energy storage planning in active distribution networks. , 2016, , .		3
106	Power Flow Features and Balancing in MTDC Integrated Offshore Wind Farms. Electric Power Components and Systems, 2017, 45, 1068-1079.	1.0	3
107	Multi-stage Low-carbon Power System Planning Considering Generation Retirement and R retrofit. , 2020, , .		3
108	Stochastic collaborative planning method for electric vehicle charging stations. , 2016, , .		2

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109	Flexible Operation Planning Scheme Considering Wind Power Generation Forecasting Uncertainties. Electric Power Components and Systems, 2017, 45, 465-475.	1.0	2
110	Expansion Co-Planning of Integrated Electricity-Heat-Gas Networks in District Energy Systems. , 2018, , .		2
111	Energy Storage Strategy in a Non-Agent Energy Trading Platform: Energy Bank System. , 2019, , .		2
112	Grid Computing. , 2010, , 95-115.		2
113	Coordinated LVRT and HVRT Control Scheme for PMSG-based Wind Farm. , 2019, , .		2
114	Day-ahead electricity market price forecasting based on Panel Cointegration. , 2010, , .		1
115	Multi-objective Urban Electricity Network Transition Considering Generation Retirement. , 2019, , .		1
116	Comparison of various solution techniques in dispatching coupled electricity-heat system with independent thermal energy storage. IET Renewable Power Generation, 2020, 14, 344-351.	1.7	1
117	Frequency Control Impact of Electric Vehicles on Grid-Connected Areas. , 2020, , .		1
118	Transient stability assessment based on data-structure analysis of operating point space. , 2010, , .		0
119	Consensus-driven distributed control of battery energy storage systems for loading management in distribution networks. , 2016, , .		0
120	Optimal wind turbine and air conditioner loads control in distribution networks through MILP approach. , 2016, , .		0
121	Scheduling in Coupled Electric and Gas Distribution Networks. Power Systems, 2018, , 153-178.	0.3	0
122	Distributed Gas-fired Generation and Battery Energy Storage Planning in a Thin Distribution System. , 2018, , .		0
123	Co-ordinated Approach of Hybrid Adaptive Control on Wind Energy Integrated VSC-Multiterminal HVDC Grids. , 2019, , .		0
124	Economic Scheduling of CCHP Systems Considering the Tradable Green Certificates. Intelligent Systems, Control and Automation: Science and Engineering, 2014, , 139-160.	0.3	0
125	An Optimal Dispatch Model for Stand-Alone Microgrids Convexifying Operational Constraints of Distributed Generation. , 2020, , .		0
126	Guest editorial: Special issue on dynamic modeling, analysis and control of power systems with high-penetration of power electronics. International Journal of Electrical Power and Energy Systems, 2022, 140, 108080.	3.3	0