List of Publications by Year
in descending order

126
papers

5,234
citations

94433

37
h-index

91884

69
g-index

126
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.	6.5	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.	6.5	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.	6.5	274
4	Quantum-Inspired Particle Swarm Optimization for Valve-Point Economic Load Dispatch. IEEE Transactions on Power Systems, 2010, 25, 215-222.	6.5	243
5	Electricity Price Forecasting With Extreme Learning Machine and Bootstrapping. IEEE Transactions on Power Systems, 2012, 27, 2055-2062.	6.5	214
6	Coordinated Operational Planning for Wind Farm With Battery Energy Storage System. IEEE Transactions on Sustainable Energy, 2015, 6, 253-262.	8.8	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.	11.3	168
8	Low Carbon Oriented Expansion Planning of Integrated Gas and Power Systems. IEEE Transactions on Power Systems, 2015, 30, 1035-1046.	6.5	162
9	Two-stage energy management for networked microgrids with high renewable penetration. Applied Energy, 2018, 226, 39-48.	10.1	156
10	Stochastic Collaborative Planning of Electric Vehicle Charging Stations and Power Distribution System. IEEE Transactions on Industrial Informatics, 2018, 14, 321-331.	11.3	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.	3.1	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.	2.5	119
13	A Self-Adaptive RBF Neural Network Classifier for Transformer Fault Analysis. IEEE Transactions on Power Systems, 2010, 25, 1350-1360.	6.5	109
14	A Linear Programming Approach to Expansion Co-Planning in Gas and Electricity Markets. IEEE Transactions on Power Systems, 2016, 31, 3594-3606.	6.5	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.	2.5	89
16	Short‐term operational planning framework for virtual power plants with high renewable penetrations. IET Renewable Power Generation, 2016, 10, 623-633.	3.1	88
17	Optimal Operation of Battery Energy Storage System Considering Distribution System Uncertainty. IEEE Transactions on Sustainable Energy, 2018, 9, 1051-1060.	8.8	87
18	An Intelligent Dynamic Security Assessment Framework for Power Systems With Wind Power. IEEE Transactions on Industrial Informatics, 2012, 8, 995-1003.	11.3	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.	9.0	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.	8.8	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.	6.5	71
22	Thermal Inertial Aggregation Model for Integrated Energy Systems. IEEE Transactions on Power Systems, 2020, 35, 2374-2387.	6.5	71
23	An Operational Planning Framework for Large-Scale Thermostatically Controlled Load Dispatch. IEEE Transactions on Industrial Informatics, 2017, 13, 217-227.	11.3	66
24	Coordinated Dispatch of Virtual Energy Storage Systems in LV Grids for Voltage Regulation. IEEE Transactions on Industrial Informatics, 2018, 14, 2452-2462.	11.3	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.	11.3	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.	5.4	55
27	A novel projected two-binary-variable formulation for unit commitment in power systems. Applied Energy, 2017, 187, 732-745.	10.1	50
28	Critical Bus Voltage Support in Distribution Systems With Electric Springs and Responsibility Sharing. IEEE Transactions on Power Systems, 2017, 32, 3584-3593.	6.5	47
29	Collector System Layout Optimization Framework for Large-Scale Offshore Wind Farms. IEEE Transactions on Sustainable Energy, 2016, 7, 1398-1407.	8.8	44
30	Hierarchical SCOPF Considering Wind Energy Integration Through Multiterminal VSC-HVDC Grids. IEEE Transactions on Power Systems, 2017, 32, 4211-4221.	6.5	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.	5.5	44
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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.	1.1	42
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35	Economic Dispatch of Integrated Energy Systems With Robust Thermal Comfort Management. IEEE Transactions on Sustainable Energy, 2021, 12, 222-233.	8.8	41
36	Cooperation-Driven Distributed Model Predictive Control for Energy Storage Systems. IEEE Transactions on Smart Grid, 2015, 6, 2583-2585.	9.0	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.	9.3	40
38	Multi-objective distributed wind generation planning in an unbalanced distribution system. CSEE Journal of Power and Energy Systems, 2017, 3, 186-195.	1.1	37
39	Low-Carbon Electricity Network Transition Considering Retirement of Aging Coal Generators. IEEE Transactions on Power Systems, 2020, 35, 4193-4205.	6.5	37
40	Optimal Dispatch of Coupled Electricity and Heat System With Independent Thermal Energy Storage. IEEE Transactions on Power Systems, 2019, 34, 3250-3263.	6.5	36
41	N-k Induced Cascading Contingency Screening. IEEE Transactions on Power Systems, 2015, 30, 2824-2825.	6.5	35
42	Hydraulic-Thermal Cooperative Optimization of Integrated Energy Systems: A Convex Optimization Approach. IEEE Transactions on Smart Grid, 2020, 11, 4818-4832.	9.0	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.	6.5	33
44	Collaborative Filtering-Based Electricity Plan Recommender System. IEEE Transactions on Industrial Informatics, 2019, 15, 1393-1404.	11.3	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.	5.4	30
46	Utilisation of kinetic energy from wind turbine for grid connections: a review paper. IET Renewable Power Generation, 2018, 12, 615-624.	3.1	30
47	Rational and self-adaptive evolutionary extreme learning machine for electricity price forecast. Memetic Computing, 2016, 8, 223-233.	4.0	28
48	Optimal Power Sharing Control of Wind Turbines. IEEE Transactions on Power Systems, 2017, 32, 824-825.	6.5	28
49	Cooperation-Driven Distributed Control Scheme for Large-Scale Wind Farm Active Power Regulation. IEEE Transactions on Energy Conversion, 2017, 32, 1240-1250.	5.2	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.	5.4	26
51	Coordinated expansion co-planning of integrated gas and power systems. Journal of Modern Power Systems and Clean Energy, 2017, 5, 314-325.	5.4	26
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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.	5.5	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.	8.8	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.	5.4	21
60	Coordinated dispatch of networked energy storage systems for loading management in active distribution networks. IET Renewable Power Generation, 2016, 10, 1374-1381.	3.1	21
61	Flexible Operational Planning Framework Considering Multiple Wind Energy Forecasting Service Providers. IEEE Transactions on Sustainable Energy, 2016, 7, 708-717.	8.8	20
62	Insurance strategy for mitigating power system operational risk introduced by wind power forecasting uncertainty. Renewable Energy, 2016, 89, 606-615.	8.9	20
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64	Optimal integration of MBESSs/SBESSs in distribution systems with renewables. IET Renewable Power Generation, 2018, 12, 1172-1179.	3.1	19
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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.	5.4	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.	4.2	17
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72	Effect of automatic hyperparameter tuning for residential load forecasting via deep learning. , 2017, , .		15

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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.	5.4	14
76	Collector System Topology for Large-Scale Offshore Wind Farms Considering Cross-Substation Incorporation. IEEE Transactions on Sustainable Energy, 2020, 11, 1601-1611.	8.8	14
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81	Online Sequential Extreme Learning Machine Algorithm for Better Predispatch Electricity Price Forecasting Grids. IEEE Transactions on Industry Applications, 2021, 57, 1860-1871.	4.9	13
82	Multiâ€objective transmission expansion planning in a smart grid using a decompositionâ€based evolutionary algorithm. IET Generation, Transmission and Distribution, 2016, 10, 4024-4031.	2.5	12
83	A Probabilistic Assessment Method for Voltage Stability Considering Large Scale Correlated Stochastic Variables. IEEE Access, 2020, 8, 5407-5415.	4.2	12
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85	Electricity plan recommender system with electrical instruction-based recovery. Energy, 2020, 203, 117775.	8.8	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.	1.9	10
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97	Mixedâ€integer secondâ€order cone programming framework for optimal scheduling of microgrids considering power flow constraints. IET Renewable Power Generation, 2019, 13, 2673-2683.	3.1	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
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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
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107	Multi-stage Low-carbon Power System Planning Considering Generation Retirement and R retrofit. , 2020, , .		3
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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 electricityâ€heat system with independent thermal energy storage. IET Renewable Power Generation, 2020, 14, 344-351.	3.1	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.	0.5	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.	0.5	0
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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.	5.5	0