

List of Publications by Year in descending order

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126
papers

5,234
citations

94269

37
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all docs

126
docs citations

126
times ranked

4535
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Economic Dispatch of Integrated Energy Systems With Robust Thermal Comfort Management. IEEE Transactions on Sustainable Energy, 2021, 12, 222-233.	5.9	41
4	Collector System Topology Design for Offshore Wind Farm's Repowering and Expansion. IEEE Transactions on Sustainable Energy, 2021, 12, 847-859.	5.9	19
5	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
6	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
7	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
8	HESS 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
9	Investigating subsynchronous oscillations caused by interactions between PMSG-based wind farms and weak AC systems. International Journal of Electrical Power and Energy Systems, 2020, 115, 105477.	3.3	25
10	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
11	A Probabilistic Assessment Method for Voltage Stability Considering Large Scale Correlated Stochastic Variables. IEEE Access, 2020, 8, 5407-5415.	2.6	12
12	Thermal Inertial Aggregation Model for Integrated Energy Systems. IEEE Transactions on Power Systems, 2020, 35, 2374-2387.	4.6	71
13	Integrated distribution expansion planning considering stochastic renewable energy resources and electric vehicles. Applied Energy, 2020, 278, 115720.	5.1	41
14	Electricity plan recommender system with electrical instruction-based recovery. Energy, 2020, 203, 117775.	4.5	11
15	Development of HVRT and LVRT Control Strategy for PMSG-Based Wind Turbine Generators. Energies, 2020, 13, 5442.	1.6	15
16	Hydraulic-Thermal Cooperative Optimization of Integrated Energy Systems: A Convex Optimization Approach. IEEE Transactions on Smart Grid, 2020, 11, 4818-4832.	6.2	33
17	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
18	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

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19	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
20	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
21	Low-Carbon Electricity Network Transition Considering Retirement of Aging Coal Generators. IEEE Transactions on Power Systems, 2020, 35, 4193-4205.	4.6	37
22	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
23	Multi-stage Low-carbon Power System Planning Considering Generation Retirement and R retrofit. , 2020, , .		3
24	An Optimal Dispatch Model for Stand-Alone Microgrids Convexifying Operational Constraints of Distributed Generation. , 2020, , .		0
25	Frequency Control Impact of Electric Vehicles on Grid-Connected Areas. , 2020, , .		1
26	Collaborative Filtering-Based Electricity Plan Recommender System. IEEE Transactions on Industrial Informatics, 2019, 15, 1393-1404.	7.2	31
27	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
28	Bayesian Hybrid Collaborative Filtering-Based Residential Electricity Plan Recommender System. IEEE Transactions on Industrial Informatics, 2019, 15, 4731-4741.	7.2	23
29	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
30	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
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	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
33	Co-ordinated Approach of Hybrid Adaptive Control on Wind Energy Integrated VSC-Multiterminal HVDC Grids. , 2019, , .		0
34	Multi-objective Urban Electricity Network Transition Considering Generation Retirement. , 2019, , .		1
35	Energy Storage Strategy in a Non-Agent Energy Trading Platform: Energy Bank System. , 2019, , .		2
36	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

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37	Sequence control strategy for hybrid energy storage system for wind smoothing. IET Generation, Transmission and Distribution, 2019, 13, 4482-4490.	1.4	13
38	Optimal shared mobility planning for electric vehicles in the distribution network. IET Generation, Transmission and Distribution, 2019, 13, 2257-2267.	1.4	11
39	Decentralized Optimal Control of a Microgrid with Solar PV, BESS and Thermostatically Controlled Loads. Energies, 2019, 12, 2111.	1.6	13
40	A Power-to-Gas Integrated Microgrid Optimal Operation Strategy Based on Rolling Horizon. , 2019, , .		4
41	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
42	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
43	Unified Power Flow Algorithm for Standalone AC/DC Hybrid Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 639-649.	6.2	80
44	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
45	Coordinated LVRT and HVRT Control Scheme for PMSG-based Wind Farm. , 2019, , .		2
46	Scheduling in Coupled Electric and Gas Distribution Networks. Power Systems, 2018, , 153-178.	0.3	0
47	Utilisation of kinetic energy from wind turbine for grid connections: a review paper. IET Renewable Power Generation, 2018, 12, 615-624.	1.7	30
48	Stochastic Collaborative Planning of Electric Vehicle Charging Stations and Power Distribution System. IEEE Transactions on Industrial Informatics, 2018, 14, 321-331.	7.2	140
49	Optimal Operation of Battery Energy Storage System Considering Distribution System Uncertainty. IEEE Transactions on Sustainable Energy, 2018, 9, 1051-1060.	5.9	87
50	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
51	Distributed Gas-fired Generation and Battery Energy Storage Planning in a Thin Distribution System. , 2018, , .		0
52	Expansion Co-Planning of Integrated Electricity-Heat-Gas Networks in District Energy Systems. , 2018, , .		2
53	Supplementary Frequency Regulation with Multiple Virtual Energy Storage System Aggregators. Electric Power Components and Systems, 2018, 46, 1719-1730.	1.0	4
54	Control Strategy of Hybrid Energy Storage System to Improve AGC Performance of Thermal Generator. , 2018, , .		5

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55	Two-stage energy management for networked microgrids with high renewable penetration. Applied Energy, 2018, 226, 39-48.	5.1	156
56	Optimal integration of MBESSs/SBESSs in distribution systems with renewables. IET Renewable Power Generation, 2018, 12, 1172-1179.	1.7	19
57	Hierarchical control scheme for coordinated reactive power regulation in clustered wind farms. IET Renewable Power Generation, 2018, 12, 1119-1126.	1.7	18
58	An Operational Planning Framework for Large-Scale Thermostatically Controlled Load Dispatch. IEEE Transactions on Industrial Informatics, 2017, 13, 217-227.	7.2	66
59	Optimal Power Sharing Control of Wind Turbines. IEEE Transactions on Power Systems, 2017, 32, 824-825.	4.6	28
60	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
61	Hierarchical SCOPF Considering Wind Energy Integration Through Multiterminal VSC-HVDC Grids. IEEE Transactions on Power Systems, 2017, 32, 4211-4221.	4.6	44
62	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
63	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
64	A novel projected two-binary-variable formulation for unit commitment in power systems. Applied Energy, 2017, 187, 732-745.	5.1	50
65	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
66	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
67	Flexible Operation Planning Scheme Considering Wind Power Generation Forecasting Uncertainties. Electric Power Components and Systems, 2017, 45, 465-475.	1.0	2
68	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
69	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
70	Power Flow Features and Balancing in MTDC Integrated Offshore Wind Farms. Electric Power Components and Systems, 2017, 45, 1068-1079.	1.0	3
71	Power network planning considering trade-off between cost, risk, and reliability. International Transactions on Electrical Energy Systems, 2017, 27, e2462.	1.2	6
72	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

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73	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
74	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
75	Effect of automatic hyperparameter tuning for residential load forecasting via deep learning. , 2017, , .		15
76	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
77	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
78	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
79	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
80	Non-interruptive thermostatically controlled load for primary frequency support. , 2016, , .		4
81	Stochastic collaborative planning method for electric vehicle charging stations. , 2016, , .		2
82	Consensus-driven distributed control of battery energy storage systems for loading management in distribution networks. , 2016, , .		0
83	Voltage regulation in distribution network using battery storage units via distributed optimization. , 2016, , .		5
84	Risk constrained battery energy storage planning in active distribution networks. , 2016, , .		3
85	Rational and self-adaptive evolutionary extreme learning machine for electricity price forecast. Memetic Computing, 2016, 8, 223-233.	2.7	28
86	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
87	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
88	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
89	Optimal wind turbine and air conditioner loads control in distribution networks through MILP approach. , 2016, , .		0
90	Collector System Layout Optimization Framework for Large-Scale Offshore Wind Farms. IEEE Transactions on Sustainable Energy, 2016, 7, 1398-1407.	5.9	44

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91	Flexible Operational Planning Framework Considering Multiple Wind Energy Forecasting Service Providers. IEEE Transactions on Sustainable Energy, 2016, 7, 708-717.	5.9	20
92	Short-term operational planning framework for virtual power plants with high renewable penetrations. IET Renewable Power Generation, 2016, 10, 623-633.	1.7	88
93	Insurance strategy for mitigating power system operational risk introduced by wind power forecasting uncertainty. Renewable Energy, 2016, 89, 606-615.	4.3	20
94	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
95	A MILP approach to accommodate more Building Integrated Photovoltaic system in distribution network. , 2015, , .		6
96	N-k Induced Cascading Contingency Screening. IEEE Transactions on Power Systems, 2015, 30, 2824-2825.	4.6	35
97	Low Carbon Oriented Expansion Planning of Integrated Gas and Power Systems. IEEE Transactions on Power Systems, 2015, 30, 1035-1046.	4.6	162
98	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
99	Cooperation-Driven Distributed Model Predictive Control for Energy Storage Systems. IEEE Transactions on Smart Grid, 2015, 6, 2583-2585.	6.2	40
100	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
101	Coordinated Operational Planning for Wind Farm With Battery Energy Storage System. IEEE Transactions on Sustainable Energy, 2015, 6, 253-262.	5.9	198
102	Expansion co-planning with uncertainties in a coupled energy market. , 2014, , .		3
103	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
104	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
105	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
106	A hierarchical optimization framework for aggregating thermostatically controlled loads to minimize real-time thermal rating of overhead distribution lines. , 2014, , .		3
107	Economic Scheduling of CCHP Systems Considering the Tradable Green Certificates. Intelligent Systems, Control and Automation: Science and Engineering, 2014, , 139-160.	0.3	0
108	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

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109	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
110	A control strategy of battery energy storage system and allocation in distribution systems. , 2013, , .		4
111	Optimal Allocation of ESS in Distribution Systems Considering Wind Power Uncertainties. , 2012, , .		10
112	Hybrid cloud computing platform: The next generation IT backbone for smart grid. , 2012, , .		8
113	An Intelligent Dynamic Security Assessment Framework for Power Systems With Wind Power. IEEE Transactions on Industrial Informatics, 2012, 8, 995-1003.	7.2	80
114	Electricity Price Forecasting With Extreme Learning Machine and Bootstrapping. IEEE Transactions on Power Systems, 2012, 27, 2055-2062.	4.6	214
115	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
116	Differential evolution algorithm for multi-objective economic load dispatch considering minimum emission costs. , 2011, , .		8
117	Transient stability assessment based on data-structure analysis of operating point space. , 2010, , .		0
118	Day-ahead electricity market price forecasting based on Panel Cointegration. , 2010, , .		1
119	Optical Performance Monitoring Using Artificial Neural Network Trained With Asynchronous Amplitude Histograms. IEEE Photonics Technology Letters, 2010, , .	1.3	23
120	A Self-Adaptive RBF Neural Network Classifier for Transformer Fault Analysis. IEEE Transactions on Power Systems, 2010, 25, 1350-1360.	4.6	109
121	Quantum-Inspired Particle Swarm Optimization for Valve-Point Economic Load Dispatch. IEEE Transactions on Power Systems, 2010, 25, 215-222.	4.6	243
122	Wind power impact on system operations and planning. , 2010, , .		22
123	Grid Computing. , 2010, , 95-115.		2
124	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
125	Accelerating Multi-layer Perceptron based short term demand forecasting using Graphics Processing Units. , 2009, , .		8
126	Enhancing the computing efficiency of power system dynamic analysis with PSS_E. , 2009, , .		3