Zhao Xu

List of Publications by Year in descending order

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222 papers	9,321 citations	47 h-index	90 g-index
		47006	45317
222 all docs	222 docs citations	222 times ranked	7563 citing authors

#	Article	IF	Citations
1	Smart Transmission Grid: Vision and Framework. IEEE Transactions on Smart Grid, 2010, 1, 168-177.	9.0	829
2	Probabilistic Forecasting of Wind Power Generation Using Extreme Learning Machine. IEEE Transactions on Power Systems, 2014, 29, 1033-1044.	6.5	575
3	Photovoltaic and solar power forecasting for smart grid energy management. CSEE Journal of Power and Energy Systems, 2015, 1, 38-46.	1.1	422
4	Traffic-Constrained Multiobjective Planning of Electric-Vehicle Charging Stations. IEEE Transactions on Power Delivery, 2013, 28, 2363-2372.	4.3	311
5	Advanced Control Strategy of DFIG Wind Turbines for Power System Fault Ride Through. IEEE Transactions on Power Systems, 2012, 27, 713-722.	6.5	306
6	Optimal Prediction Intervals of Wind Power Generation. IEEE Transactions on Power Systems, 2014, 29, 1166-1174.	6.5	269
7	A Distributed Electricity Trading System in Active Distribution Networks Based on Multi-Agent Coalition and Blockchain. IEEE Transactions on Power Systems, 2019, 34, 4097-4108.	6.5	217
8	A Multi-Agent Reinforcement Learning-Based Data-Driven Method for Home Energy Management. IEEE Transactions on Smart Grid, 2020, 11, 3201-3211.	9.0	212
9	Demand as Frequency Controlled Reserve. IEEE Transactions on Power Systems, 2011, 26, 1062-1071.	6.5	200
10	A Comprehensive LVRT Control Strategy for DFIG Wind Turbines With Enhanced Reactive Power Support. IEEE Transactions on Power Systems, 2013, 28, 3302-3310.	6.5	196
11	Distributed transactive energy trading framework in distribution networks. IEEE Transactions on Power Systems, 2018, 33, 7215-7227.	6.5	191
12	Oscillatory Stability and Eigenvalue Sensitivity Analysis of A DFIG Wind Turbine System. IEEE Transactions on Energy Conversion, 2011, 26, 328-339.	5.2	188
13	A Hybrid Approach for Probabilistic Forecasting of Electricity Price. IEEE Transactions on Smart Grid, 2014, 5, 463-470.	9.0	182
14	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
15	Advanced Control Strategies of PMSG-Based Wind Turbines for System Inertia Support. IEEE Transactions on Power Systems, 2017, 32, 3027-3037.	6.5	163
16	A comprehensive review on large-scale photovoltaic system with applications of electrical energy storage. Renewable and Sustainable Energy Reviews, 2017, 78, 439-451.	16.4	156
17	A Statistical Approach for Interval Forecasting of the Electricity Price. IEEE Transactions on Power Systems, 2008, 23, 267-276.	6.5	150
18	Coordinated Control Strategies for Offshore Wind Farm Integration via VSC-HVDC for System Frequency Support. IEEE Transactions on Energy Conversion, 2017, 32, 843-856.	5.2	131

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19	Probabilistic Forecasting of Photovoltaic Generation: An Efficient Statistical Approach. IEEE Transactions on Power Systems, 2017, 32, 2471-2472.	6.5	124
20	A Multistage Home Energy Management System With Residential Photovoltaic Penetration. IEEE Transactions on Industrial Informatics, 2019, 15, 116-126.	11.3	110
21	Risk-Based Day-Ahead Scheduling of Electric Vehicle Aggregator Using Information Gap Decision Theory. IEEE Transactions on Smart Grid, 2017, 8, 1609-1618.	9.0	109
22	Direct Interval Forecasting of Wind Power. IEEE Transactions on Power Systems, 2013, 28, 4877-4878.	6.5	103
23	Intelligent Early Warning of Power System Dynamic Insecurity Risk: Toward Optimal Accuracy-Earliness Tradeoff. IEEE Transactions on Industrial Informatics, 2017, 13, 2544-2554.	11.3	85
24	A review on applications of heuristic optimization algorithms for optimal power flow in modern power systems. Journal of Modern Power Systems and Clean Energy, 2014, 2, 289-297.	5.4	81
25	Recent Advancements on Smart Grids in China. Electric Power Components and Systems, 2014, 42, 251-261.	1.8	81
26	Levelized cost of electricity for photovoltaic/biogas power plant hybrid system with electrical energy storage degradation costs. Energy Conversion and Management, 2017, 153, 34-47.	9.2	81
27	An Intelligent Dynamic Security Assessment Framework for Power Systems With Wind Power. IEEE Transactions on Industrial Informatics, 2012, 8, 995-1003.	11.3	80
28	Distribution Network Electric Vehicle Hosting Capacity Maximization: A Chargeable Region Optimization Model. IEEE Transactions on Power Systems, 2017, 32, 4119-4130.	6.5	76
29	Reliability evaluation of distribution systems with mobile energy storage systems. IET Renewable Power Generation, 2016, 10, 1562-1569.	3.1	74
30	Risk-Based Power System Security Analysis Considering Cascading Outages. IEEE Transactions on Industrial Informatics, 2016, 12, 872-882.	11.3	71
31	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
32	An Advanced Approach for Construction of Optimal Wind Power Prediction Intervals. IEEE Transactions on Power Systems, 2015, 30, 2706-2715.	6.5	70
33	Coordinated Control Strategies of PMSG-Based Wind Turbine for Smoothing Power Fluctuations. IEEE Transactions on Power Systems, 2019, 34, 391-401.	6.5	69
34	DC Fault Detection in MTDC Systems Based on Transient High Frequency of Current. IEEE Transactions on Power Delivery, 2019, 34, 950-962.	4.3	68
35	Fully decentralized peer-to-peer energy sharing framework for smart buildings with local battery system and aggregated electric vehicles. Applied Energy, 2021, 299, 117243.	10.1	65
36	Distributed Online Voltage Control in Active Distribution Networks Considering PV Curtailment. IEEE Transactions on Industrial Informatics, 2019, 15, 5519-5530.	11.3	63

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37	Optimal Mileage Based AGC Dispatch of a GenCo. IEEE Transactions on Power Systems, 2020, 35, 2516-2526.	6.5	63
38	A general memristor-based pulse coupled neural network with variable linking coefficient for multi-focus image fusion. Neurocomputing, 2018, 308, 172-183.	5.9	60
39	Enhancing photovoltaic hosting capacityâ€"A stochastic approach to optimal planning of static var compensator devices in distribution networks. Applied Energy, 2019, 238, 952-962.	10.1	55
40	A Distributed and Robust Energy Management System for Networked Hybrid AC/DC Microgrids. IEEE Transactions on Smart Grid, 2020, 11, 3496-3508.	9.0	55
41	Pareto Optimal Prediction Intervals of Electricity Price. IEEE Transactions on Power Systems, 2017, 32, 817-819.	6.5	54
42	A robust correlation analysis framework for imbalanced and dichotomous data with uncertainty. Information Sciences, 2019, 470, 58-77.	6.9	54
43	Daily Clearness Index Profiles Cluster Analysis for Photovoltaic System. IEEE Transactions on Industrial Informatics, 2017, 13, 2322-2332.	11.3	53
44	Distributed generation and energy storage system planning for a distribution system operator. IET Renewable Power Generation, 2018, 12, 1345-1353.	3.1	53
45	DC Fault Detection in Meshed MTdc Systems Based on Transient Average Value of Current. IEEE Transactions on Industrial Electronics, 2020, 67, 1932-1943.	7.9	51
46	Variable Droop Voltage Control For Wind Farm. IEEE Transactions on Sustainable Energy, 2018, 9, 491-493.	8.8	50
47	Optimal Location Planning of Renewable Distributed Generation Units in Distribution Networks: An Analytical Approach. IEEE Transactions on Power Systems, 2018, 33, 2742-2753.	6.5	50
48	Multiagent-Based Cooperative Control Framework for Microgridsâ€™ Energy Imbalance. IEEE Transactions on Industrial Informatics, 2017, 13, 1046-1056.	11.3	47
49	A Robust Spatiotemporal Forecasting Framework for Photovoltaic Generation. IEEE Transactions on Smart Grid, 2020, 11, 5370-5382.	9.0	47
50	Conditional Density Forecast of Electricity Price Based on Ensemble ELM and Logistic EMOS. IEEE Transactions on Smart Grid, 2019, 10, 3031-3043.	9.0	46
51	Collector System Layout Optimization Framework for Large-Scale Offshore Wind Farms. IEEE Transactions on Sustainable Energy, 2016, 7, 1398-1407.	8.8	44
52	Hierarchical SCOPF Considering Wind Energy Integration Through Multiterminal VSC-HVDC Grids. IEEE Transactions on Power Systems, 2017, 32, 4211-4221.	6.5	44
53	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.	9.3	44
54	A Two-Stage Game-Theoretic Method for Residential PV Panels Planning Considering Energy Sharing Mechanism. IEEE Transactions on Power Systems, 2020, 35, 3562-3573.	6.5	44

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55	A vision of smart transmission grids. , 2009, , .		43
56	Recent advancements on the development of microgrids. Journal of Modern Power Systems and Clean Energy, 2014, 2, 206-211.	5.4	42
57	Spinning Reserve Requirement Optimization Considering Integration of Plug-In Electric Vehicles. IEEE Transactions on Smart Grid, 2017, 8, 2009-2021.	9.0	42
58	Full-Scale Distribution System Topology Identification Using Markov Random Field. IEEE Transactions on Smart Grid, 2020, 11, 4714-4726.	9.0	42
59	A Hybrid Planning Method for Transmission Networks in a Deregulated Environment. IEEE Transactions on Power Systems, 2006, 21, 925-932.	6.5	40
60	Cooperation-Driven Distributed Model Predictive Control for Energy Storage Systems. IEEE Transactions on Smart Grid, 2015, 6, 2583-2585.	9.0	40
61	Robust Planning of Electric Vehicle Charging Facilities With an Advanced Evaluation Method. IEEE Transactions on Industrial Informatics, 2018, 14, 866-876.	11.3	38
62	A Novel Control Strategy for Wind Farm Active Power Regulation Considering Wake Interaction. IEEE Transactions on Sustainable Energy, 2020, 11, 618-628.	8.8	38
63	Variable gain control scheme of DFIG-based wind farm for over-frequency support. Renewable Energy, 2018, 120, 379-391.	8.9	36
64	Recent advancement on technical requirements for grid integration of wind power. Journal of Modern Power Systems and Clean Energy, 2013, 1, 216-222.	5.4	35
65	N-k Induced Cascading Contingency Screening. IEEE Transactions on Power Systems, 2015, 30, 2824-2825.	6.5	35
66	Fault-Tolerant Control of CPS-PWM-Based Cascaded Multilevel Inverter With Faulty Units. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 2486-2497.	5.4	35
67	Towards a Danish power system with 50% wind — Smart grids activities in denmark. , 2009, , .		34
68	Advanced frequency support strategy of photovoltaic system considering changing working conditions. IET Generation, Transmission and Distribution, 2018, 12, 363-370.	2.5	34
69	Offshore wind farm connection with low frequency AC transmission technology. , 2009, , .		33
70	A cascading power sharing control for microgrid embedded with wind and solar generation. Renewable Energy, 2019, 132, 846-860.	8.9	33
71	Coordinative Low-Voltage-Ride-Through Control for the Wind-Photovoltaic Hybrid Generation System. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1503-1514.	5.4	32
72	A Multimarket Decision-Making Framework for GENCO Considering Emission Trading Scheme. IEEE Transactions on Power Systems, 2013, 28, 4099-4108.	6.5	31

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73	Robust Distributed Generation Investment Accommodating Electric Vehicle Charging in a Distribution Network. IEEE Transactions on Power Systems, 2018, 33, 4654-4666.	6.5	31
74	A Coordinated Dispatch Model for Distribution Network Considering PV Ramp. IEEE Transactions on Power Systems, 2018, 33, 1107-1109.	6.5	30
75	A Hierarchically Coordinated Operation and Control Scheme for DC Microgrid Clusters Under Uncertainty. IEEE Transactions on Sustainable Energy, 2021, 12, 273-283.	8.8	29
76	Optimal Power Sharing Control of Wind Turbines. IEEE Transactions on Power Systems, 2017, 32, 824-825.	6.5	28
77	Easily Cascaded Memristor-CMOS Hybrid Circuit for High-Efficiency Boolean Logic Implementation. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850149.	1.7	28
78	Improved Cycle Control and Sizing Scheme for Wind Energy Storage System Based on Multiobjective Optimization. IEEE Transactions on Sustainable Energy, 2017, 8, 966-977.	8.8	26
79	Data-Driven Game-Based Pricing for Sharing Rooftop Photovoltaic Generation and Energy Storage in the Residential Building Cluster Under Uncertainties. IEEE Transactions on Industrial Informatics, 2021, 17, 4480-4491.	11.3	25
80	Powering China's Sustainable Development with Renewable Energies: Current Status and Future Trend. Electric Power Components and Systems, 2015, 43, 1193-1204.	1.8	24
81	Distributed Online VAR Control for Unbalanced Distribution Networks With Photovoltaic Generation. IEEE Transactions on Smart Grid, 2020, 11, 4760-4772.	9.0	23
82	Permutation-based Power System Restoration in Smart Grid Considering Load Prioritization. Electric Power Components and Systems, 2014, 42, 361-371.	1.8	22
83	Probabilistic Wind Power Forecasting with Hybrid Artificial Neural Networks. Electric Power Components and Systems, 2016, 44, 1656-1668.	1.8	22
84	Optimal Granule-Based PIs Construction for Solar Irradiance Forecast. IEEE Transactions on Power Systems, 2016, 31, 3332-3333.	6.5	22
85	Optimal PMU placement considering state estimation uncertainty and voltage controllability. IET Generation, Transmission and Distribution, 2017, 11, 4465-4475.	2.5	22
86	Coordinated VSG Control of Photovoltaic/Battery System for Maximum Power Output and Grid Supporting. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2022, 12, 301-309.	3.6	22
87	Efficient real-time residential energy management through MILP based rolling horizon optimization. , 2015, , .		21
88	Decentralized Control of DC Electric Springs for Storage Reduction in DC Microgrids. IEEE Transactions on Power Electronics, 2020, 35, 4634-4646.	7.9	21
89	A Novel Communication-Less Approach to Economic Dispatch for Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 901-904.	9.0	21
90	Demand response through smart home energy management using thermal inertia. , 2013, , .		20

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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.	8.8	20
92	Ramp-Limited Optimal Dispatch Strategy for PV-Embedded Microgrid. IEEE Transactions on Power Systems, 2017, 32, 4155-4157.	6.5	20
93	A retroactive approach to microgrid real-time scheduling in quest of perfect dispatch solution. Journal of Modern Power Systems and Clean Energy, 2019, 7, 1608-1618.	5.4	20
94	A Novel Retrospect-Inspired Regime for Microgrid Real-Time Energy Scheduling With Heterogeneous Sources. IEEE Transactions on Smart Grid, 2020, 11, 4614-4625.	9.0	20
95	A Composite Finite-Time Controller for Decentralized Power Sharing and Stabilization of Hybrid Fuel Cell/Supercapacitor System With Constant Power Load. IEEE Transactions on Industrial Electronics, 2021, 68, 1388-1400.	7.9	20
96	Determination of Weight Coefficient for Power System Restoration. IEEE Transactions on Power Systems, 2012, 27, 1140-1141.	6.5	19
97	A cyber-physical-social system with parallel learning for distributed energy management of a microgrid. Energy, 2018, 165, 205-221.	8.8	19
98	Distributed noiseâ€resilient economic dispatch strategy for islanded microgrids. IET Generation, Transmission and Distribution, 2019, 13, 3029-3039.	2.5	19
99	Novel gridâ€forming control of PMSGâ€based wind turbine for integrating weak AC grid without sacrificing maximum power point tracking. IET Generation, Transmission and Distribution, 2021, 15, 1613-1625.	2.5	19
100	Security assessment for intentional island operation in modern power system. Electric Power Systems Research, 2011, 81, 1849-1857.	3.6	18
101	Discussion of â€œCombined Nonparametric Prediction Intervals for Wind Power Generationâ€. IEEE Transactions on Sustainable Energy, 2014, 5, 1021-1021.	8.8	18
102	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.	1.7	18
103	A Direct Solution to Biobjective Partitioning Problem in Electric Power Networks. IEEE Transactions on Power Systems, 2017, 32, 2481-2483.	6.5	18
104	Variable Utilization-Level Scheme for Load-Sharing Control of Wind Farm. IEEE Transactions on Energy Conversion, 2018, 33, 856-868.	5.2	18
105	A co-ordinated dispatch model for electricity and heat in a Microgrid via particle swarm optimization. Transactions of the Institute of Measurement and Control, 2013, 35, 44-55.	1.7	16
106	Coordinated Control of Wind Farms and MTDC Grids for System Frequency Support. Electric Power Components and Systems, 2017, 45, 451-464.	1.8	16
107	A hybrid model of energy scheduling for integrated multi-energy microgrid with hydrogen and heat storage system. Energy Reports, 2021, 7, 357-368.	5.1	16
108	Intelligent systems for power system dynamic security assessment: Review and classification. , 2011, , .		15

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109	Islanding Control Architecture in future smart grid with both demand and wind turbine control. Electric Power Systems Research, 2013, 95, 214-224.	3.6	15
110	Optimal sizing of substationâ€scale energy storage station considering seasonal variations in wind energy. IET Generation, Transmission and Distribution, 2016, 10, 3241-3250.	2.5	15
111	Multiagent Stochastic Dynamic Game for Smart Generation Control. Journal of Energy Engineering - ASCE, 2016, 142, .	1.9	15
112	Feasibility of integrating large wind farm via fractional frequency transmission system a case study. International Transactions on Electrical Energy Systems, 2014, 24, 64-74.	1.9	14
113	An overview on wind power forecasting methods. , 2015, , .		14
114	Distributed residential energy resource scheduling with renewable uncertainties. IET Generation, Transmission and Distribution, 2018, 12, 2770-2777.	2.5	14
115	Mileage-Responsive Wind Power Smoothing. IEEE Transactions on Industrial Electronics, 2020, 67, 5209-5212.	7.9	14
116	Lowâ€voltage rideâ€through control for photovoltaic generation in the lowâ€voltage distribution network. IET Renewable Power Generation, 2020, 14, 2727-2737.	3.1	14
117	Evaluating Frequency Quality of Nordic System using PMU data. , 2008, , .		13
118	Coordinated-Control Strategy of Photovoltaic Converters and Static Synchronous Compensators for Power System Fault Ride-Through. Electric Power Components and Systems, 2016, 44, 1683-1692.	1.8	13
119	Modeling and Mechanism Investigation of Inertia and Damping Issues for Grid-Tied PV Generation Systems with Droop Control. Energies, 2019, 12, 1985.	3.1	13
120	Cascaded Voltage Control for Electric Springs With DC-Link Film Capacitors. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3982-3994.	5.4	13
121	Frequency analysis for planned islanding operation in the Danish distribution system - Bornholm. , 2008, , .		12
122	Optimal SVC placement for Maximizing Photovoltaic Hosting Capacity in Distribution Network. IFAC-PapersOnLine, 2018, 51, 356-361.	0.9	12
123	A coordinated frequency control strategy for photovoltaic system in microgrid. Journal of International Council on Electrical Engineering, 2018, 8, 37-43.	0.4	12
124	Coordinated residential energy resource scheduling with human thermal comfort modelling and renewable uncertainties. IET Generation, Transmission and Distribution, 2019, 13, 1768-1776.	2.5	12
125	A Power-Decoupled Current-Source Inverter for PV Energy Harvest and Grid Voltage Regulation. IEEE Transactions on Industrial Electronics, 2021, 68, 9540-9549.	7.9	12
126	Grid integration issues for large scale wind power plants (WPPs). , 2010, , .		11

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127	Probabilistic load flow computation using first-order second-moment method. , 2012, , .		11
128	A complex network based model for detecting isolated communities in water distribution networks. Chaos, 2013, 23, 043102.	2.5	11
129	Data-Driven Sizing Planning of Renewable Distributed Generation in Distribution Networks With Optimality Guarantee. IEEE Transactions on Sustainable Energy, 2020, 11, 2003-2014.	8.8	11
130	DC Fault Analysis Models of Three Converter Topologies Considering Control Effects. IEEE Transactions on Industrial Electronics, 2020, 67, 9480-9491.	7.9	11
131	Novel MTDC droop scheme with decoupled power control for enhancing frequency stabilities of weak AC systems. IET Renewable Power Generation, 2020, 14, 2007-2016.	3.1	11
132	A flexible framework of line power flow estimation for high-order contingency analysis. International Journal of Electrical Power and Energy Systems, 2015, 70, 1-8.	5.5	10
133	Dynamic equivalentâ€based reliability evaluation of distribution systems with DGs. IET Generation, Transmission and Distribution, 2016, 10, 2285-2294.	2.5	10
134	Smart home energy management with vehicle-to-home technology. , 2017, , .		10
135	Spot Pricing When Lagrange Multipliers Are Not Unique. IEEE Transactions on Power Systems, 2012, 27, 314-322.	6.5	9
136	Efficiency Ranking-Based Evolutionary Algorithm for Power System Planning and Operation. IEEE Transactions on Power Systems, 2014, 29, 1437-1438.	6.5	9
137	Adaptive partitioning approach to selfâ€sustained smart grid. IET Generation, Transmission and Distribution, 2017, 11, 485-494.	2.5	9
138	A novel control scheme for enhancing low voltage ride through capability of solar generation. , 2017, , .		9
139	Stochastic optimal TCSC placement in power system considering high wind power penetration. IET Generation, Transmission and Distribution, 2018, 12, 3052-3060.	2.5	9
140	Co-Planning of Demand Response and Distributed Generators in an Active Distribution Network. Energies, 2018, 11, 354.	3.1	9
141	Optimal distributed energy storage investment scheme for distribution network accommodating high renewable penetration. International Transactions on Electrical Energy Systems, 2019, 29, e12002.	1.9	9
142	Load modeling practice in a smart grid environment. , 2011, , .		8
143	Differential evolution algorithm for multi-objective economic load dispatch considering minimum emission costs. , 2011, , .		8
144	Power system transient stability-constrained optimal power flow: A comprehensive review. , 2012, , .		8

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145	Ensemble learning for optimal active power control of distributed energy resources and thermostatically controlled loads in an islanded microgrid. International Journal of Hydrogen Energy, 2018, 43, 22474-22486.	7.1	8
146	Data-Driven Fault Detection and Classification for MTDC Systems by Integrating HCTSA and Softmax Regression. IEEE Transactions on Power Delivery, 2022, 37, 893-904.	4.3	8
147	Power system state estimation using conditional generative adversarial network. IET Generation, Transmission and Distribution, 2020, 14, 5823-5833.	2.5	8
148	Hopf bifurcation and eigenvalue sensitivity analysis of doubly fed induction generator wind turbine system. , 2010, , .		7
149	Security constrained unit commitment-based power system dispatching with plug-in hybrid electric vehicles. , 2015, , .		7
150	Impacts of large-scale photovoltaic generation penetration on power system spinning reserve allocation. , 2016, , .		7
151	Real-Time Decision Making Model for Thermostatically Controlled Load Aggregators by Natural Aggregation Algorithm. , 2017, , .		7
152	Combined Primary Frequency Control Strategy of Permanent Magnet Synchronous Generator-Based Wind Turbine. Electric Power Components and Systems, 2018, 46, 1704-1718.	1.8	7
153	Reactive power planning for transmission grids with wind power penetration. , 2012, , .		6
154	A MILP approach to accommodate more Building Integrated Photovoltaic system in distribution network. , 2015, , .		6
155	Game theoryâ€based optimal deloading control of wind turbines under scalable structures of wind farm. IET Cyber-Physical Systems: Theory and Applications, 2018, 3, 224-231.	3.3	6
156	Coordinated Frequency Control Scheme of Offshore Wind Farm Connected to VSC-HVDC. Electric Power Components and Systems, 2019, 47, 757-771.	1.8	6
157	A Coordinated Heat and Electricity Dispatching Model for Microgrid Operation via PSO. Communications in Computer and Information Science, 2010, , 213-219.	0.5	6
158	Measurement-based load modeling at distribution level with complete model structure. , 2012, , .		5
159	Nonparametric conditional interval forecasts for PV power generation considering the temporal dependence. , 2016, , .		5
160	Robust offering strategy for a wind power producer under uncertainties. , 2016, , .		5
161	Enhanced Voltage Regulation of AC Microgrids with Electric Springs. , 2019, , .		5
162	Analysis and Mitigation of the Communication Delay Impacts on Wind Farm Central SSI Damping Controller. IEEE Access, 2021, 9, 105641-105650.	4.2	5

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163	Two-stage ADMM-based distributed optimal reactive power control method for wind farms considering wake effects. Global Energy Interconnection, 2021, 4, 251-260.	2.3	5
164	Wind energy development in China (WED) â€" The Danish-Chinese collaboration project. , 2009, , .		4
165	Multi-Objective Transmission Planning. , 2009, , .		4
166	A graph-algebraic approach for detecting islands in power system. , 2013, , .		4
167	A Novel Network Partitioning Approach in Smart Grid Environment. , 2015, , .		4
168	Guest Editorial - Special Section on Emerging Informatics for Risk Hedging and Decision Making in Smart Grids. IEEE Transactions on Industrial Informatics, 2017, 13, 2507-2510.	11.3	4
169	Single Image Super-Resolution via the Implementation of the Hardware-Friendly Sparse Coding. , 2018, , .		4
170	A Cyber-Physical-Social System with Parallel Learning for Distributed Energy Management of a Microgrid. , 2018, , .		4
171	Model Predictive Control Based Ramp Minimization in Active Distribution Network Using Energy Storage Systems. Electric Power Components and Systems, 2019, 47, 201-211.	1.8	4
172	Control strategies for permanent magnet synchronous generatorâ€based wind turbine with independent gridâ€forming capability in standâ€alone operation mode. International Transactions on Electrical Energy Systems, 2021, 31, e13117.	1.9	4
173	Responsive demand to mitigate slow recovery voltage sags. European Transactions on Electrical Power, 2012, 22, 1112-1125.	1.0	3
174	A hierarchical optimization framework for aggregating thermostatically controlled loads to minimize real-time thermal rating of overhead distribution lines. , 2014, , .		3
175	A Novel Topology Design for Integration of Offshore Wind Farm via High-voltage DC Transmission. Electric Power Components and Systems, 2015, 43, 1100-1112.	1.8	3
176	Power Flow Features and Balancing in MTDC Integrated Offshore Wind Farms. Electric Power Components and Systems, 2017, 45, 1068-1079.	1.8	3
177	Hardware-in-the-loop Implementation of Residential Intelligent Microgrid. , 2018, , .		3
178	Dataâ€drivenâ€based dynamic pricing method for sharing rooftop photovoltaic energy in a single apartment building. IET Generation, Transmission and Distribution, 2020, 14, 5720-5727.	2.5	3
179	MPC Control of Three-Phase CSI in Unbalanced Grid. , 2022, , .		3
180	Risk analysis of volume cheat strategy in a competitive capacity market. , 2009, , .		2

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181	Towards real-time energy generation scheduling in microgrids with performance guarantee. , 2013, , .		2
182	A hybrid interactive simulation method for studying emission trading behaviors. , 2015, , .		2
183	Stochastic collaborative planning method for electric vehicle charging stations. , 2016, , .		2
184	Power smoothing control of wind turbines using different strategies. , 2016, , .		2
185	Hierarchical power flow algorithm for standalone hybrid AC/Multi-DC microgrids. , 2017, , .		2
186	Optimal Location Planning of Renewable Distributed Generation Units in Distribution Networks: An Analytical Approach. , 2018, , .		2
187	Optimal Placement of Voltage Regulators for Photovoltaic Hosting Capacity Maximization. , 2018, , .		2
188	A Novel Single-Phase Reactive Current Detection Algorithm Based on Fast Orthogonal Signal Generator and Enhanced Moving Average Filter. Energies, 2018, 11, 733.	3.1	2
189	An Active Power Regulation Strategy for Wind Farm Considering Wake Effect. , 2019, , .		2
190	Robust Investment for Demand Response in a Distribution Network considering Wind Power and Load Demand Uncertainties. International Journal of Emerging Electric Power Systems, 2019, 20, .	0.8	2
191	Intrahour Cloud Tracking Based on Optical Flow. , 2019, , .		2
192	Optimal Unified Power Flow Controller Planning in Transmission Grids with Uncertainty Consideration. , 2020, , .		2
193	Optimal power regulation for wind integration in the balancing market environment. IET Renewable Power Generation, 2021, 15, 3601-3611.	3.1	2
194	Convolutional Deep Leaning-Based Distribution System Topology Identification with Renewables. , 2021, , .		2
195	Control mechanism and security region for intentional islanding transition. , 2009, , .		1
196	Redesign electricity market for the next generation power system of renewable energy and distributed storage technologies. , 2010, , .		1
197	Risk assessment based on information entropy of cascading failure in power systems. , 2012, , .		1
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