

# Jian Zhao

## List of Publications by Year in descending order

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44  
papers

1,393  
citations

623734

14  
h-index

434195

31  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1621  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photovoltaic and solar power forecasting for smart grid energy management. CSEE Journal of Power and Energy Systems, 2015, 1, 38-46.	1.1	422
2	Distributed transactive energy trading framework in distribution networks. IEEE Transactions on Power Systems, 2018, 33, 7215-7227.	6.5	191
3	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
4	Distribution Network Electric Vehicle Hosting Capacity Maximization: A Chargeable Region Optimization Model. IEEE Transactions on Power Systems, 2017, 32, 4119-4130.	6.5	76
5	Coordinated Control Strategies of PMSC-Based Wind Turbine for Smoothing Power Fluctuations. IEEE Transactions on Power Systems, 2019, 34, 391-401.	6.5	69
6	Distributed Online Voltage Control in Active Distribution Networks Considering PV Curtailment. IEEE Transactions on Industrial Informatics, 2019, 15, 5519-5530.	11.3	63
7	Multi-Model Fusion Short-Term Load Forecasting Based on Random Forest Feature Selection and Hybrid Neural Network. IEEE Access, 2021, 9, 69002-69009.	4.2	59
8	Enhancing photovoltaic hosting capacity—A stochastic approach to optimal planning of static var compensator devices in distribution networks. Applied Energy, 2019, 238, 952-962.	10.1	55
9	Spinning Reserve Requirement Optimization Considering Integration of Plug-In Electric Vehicles. IEEE Transactions on Smart Grid, 2017, 8, 2009-2021.	9.0	42
10	Full-Scale Distribution System Topology Identification Using Markov Random Field. IEEE Transactions on Smart Grid, 2020, 11, 4714-4726.	9.0	42
11	Advanced frequency support strategy of photovoltaic system considering changing working conditions. IET Generation, Transmission and Distribution, 2018, 12, 363-370.	2.5	34
12	Robust Distributed Generation Investment Accommodating Electric Vehicle Charging in a Distribution Network. IEEE Transactions on Power Systems, 2018, 33, 4654-4666.	6.5	31
13	A Coordinated Dispatch Model for Distribution Network Considering PV Ramp. IEEE Transactions on Power Systems, 2018, 33, 1107-1109.	6.5	30
14	Ramp-Limited Optimal Dispatch Strategy for PV-Embedded Microgrid. IEEE Transactions on Power Systems, 2017, 32, 4155-4157.	6.5	20
15	Low-voltage ride-through control for photovoltaic generation in the low-voltage distribution network. IET Renewable Power Generation, 2020, 14, 2727-2737.	3.1	14
16	A coordinated frequency control strategy for photovoltaic system in microgrid. Journal of International Council on Electrical Engineering, 2018, 8, 37-43.	0.4	12
17	Random forest-based track initiation method. Journal of Engineering, 2019, 2019, 6175-6179.	1.1	11
18	Low-Voltage Distribution Grid Topology Identification With Latent Tree Model. IEEE Transactions on Smart Grid, 2022, 13, 2158-2169.	9.0	11

#	ARTICLE	IF	CITATIONS
19	Microgrid frequency regulation involving low-wind-speed wind turbine generators based on deep belief network. IET Generation, Transmission and Distribution, 2020, 14, 2046-2054.	2.5	10
20	Stochastic optimal TCSC placement in power system considering high wind power penetration. IET Generation, Transmission and Distribution, 2018, 12, 3052-3060.	2.5	9
21	Co-Planning of Demand Response and Distributed Generators in an Active Distribution Network. Energies, 2018, 11, 354.	3.1	9
22	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
23	Impacts of large-scale photovoltaic generation penetration on power system spinning reserve allocation. , 2016, , .		7
24	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
25	Data-Driven Based Low-Voltage Distribution System Transformer-Customer Relationship Identification. IEEE Transactions on Power Delivery, 2022, 37, 2966-2977.	4.3	7
26	Multi-Objective Optimal Configuration of Multiple Switchgear Considering Distribution Network Fault Reconfiguration. IEEE Access, 2021, 9, 69905-69912.	4.2	6
27	Real-Time Demand Response Strategy of Temperature-Controlled Load for High Elastic Distribution Network. IEEE Access, 2021, 9, 69418-69425.	4.2	5
28	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
29	Deep representation method for radar emitter signal using wavelet packets decomposition. Journal of Engineering, 2019, 2019, 6282-6286.	1.1	4
30	HLS-Based FPGA Implementation of Convolutional Deep Belief Network for Signal Modulation Recognition. , 2020, , .		4
31	Distribution Network Hierarchically Partitioned Optimization Considering Electric Vehicle Orderly Charging with Isolated Bidirectional DC-DC Converter Optimal Efficiency Model. Energies, 2021, 14, 1614.	3.1	3
32	Optimal Real-Time Scheduling of Energy Storage Systems to Accommodate PV Generation in Distribution Networks. , 2018, , .		2
33	Optimal Placement of Voltage Regulators for Photovoltaic Hosting Capacity Maximization. , 2018, , .		2
34	Signals Deinterleaving for ES systems using Improved CFSFDP Algorithm. , 2019, , .		2
35	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
36	A Hybrid CNN/Poisson Fusion Based Power Transformer External Defect Detecting Method. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
37	Distribution System Renewable Hosting Capacity Maximization with Second-Use Electric Vehicle Storage Using Critical Capacity Retention Calculation Model. Electronics (Switzerland), 2020, 9, 552.	3.1	2
38	Fault Diagnosis of Photovoltaic Array Based on XGBoost Method. , 2021, , .		2
39	Research on power loss reduction method based on continuous regulating features of energy-intensive industrial loads. , 2016, , .		1
40	Recognition of Windmills in Remote Sensing Image By SVM and Morphological Attribute Filters. , 2018, , .		1
41	A Spectrum Selection Method Based on Recurrent Neural Network for OTHR. , 2019, , .		1
42	Residual Power Supply Capacity Evaluation of Distribution Network Considering Dynamic Safety Margin of Second-use Electric Vehicle Energy Storage. , 2020, , .		1
43	An Uncertainty involved Optimization Model of Renewable Hosting Capacity Enhancement. , 2019, , .		0
44	High-Frequency Spectrum Analysis and Channel Availability Decision on Sea Surface Environment. Lecture Notes in Electrical Engineering, 2019, , 2509-2516.	0.4	0