

# Leijiao Ge

## List of Publications by Year in descending order

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83  
papers

1,117  
citations

394421

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434195

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all docs

83  
docs citations

83  
times ranked

917  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed Generation Hosting Capacity Evaluation for Distribution Systems Considering the Robust Optimal Operation of OLTC and SVC. IEEE Transactions on Sustainable Energy, 2016, 7, 1111-1123.	8.8	199
2	Smart Insole for Robust Wearable Biomechanical Energy Harvesting in Harsh Environments. ACS Nano, 2020, 14, 14126-14133.	14.6	107
3	Optimal Integrated Energy System Planning With DG Uncertainty Affine Model and Carbon Emissions Charges. IEEE Transactions on Sustainable Energy, 2022, 13, 905-918.	8.8	58
4	Smart Distribution Network Situation Awareness for High-Quality Operation and Maintenance: A Brief Review. Energies, 2022, 15, 828.	3.1	43
5	A Hybrid Model for Short-term PV Output Forecasting Based on PCA-GWO-GRNN. Journal of Modern Power Systems and Clean Energy, 2020, 8, 1268-1275.	5.4	42
6	Modeling Daily Load Profiles of Distribution Network for Scenario Generation Using Flow-Based Generative Network. IEEE Access, 2020, 8, 77587-77597.	4.2	41
7	Hybrid interval AHP-entropy method for electricity user evaluation in smart electricity utilization. Journal of Modern Power Systems and Clean Energy, 2018, 6, 701-711.	5.4	37
8	A Simple and Practical Duty Cycle Modulated Direct Torque Control for Permanent Magnet Synchronous Motors. IEEE Transactions on Power Electronics, 2019, 34, 1572-1579.	7.9	35
9	Day-ahead optimization schedule for gas-electric integrated energy system based on second-order cone programming. CSEE Journal of Power and Energy Systems, 2020, , .	1.1	35
10	Short-term Load Prediction of Integrated Energy System with Wavelet Neural Network Model Based on Improved Particle Swarm Optimization and Chaos Optimization Algorithm. Journal of Modern Power Systems and Clean Energy, 2021, 9, 1490-1499.	5.4	32
11	Icing-EdgeNet: A Pruning Lightweight Edge Intelligent Method of Discriminative Driving Channel for Ice Thickness of Transmission Lines. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	26
12	Short-Term Load Forecasting Model of Electric Vehicle Charging Load Based on MCCNN-TCN. Energies, 2022, 15, 2633.	3.1	26
13	Operation of Stand-Alone Microgrids Considering the Load Following of Biomass Power Plants and the Power Curtailment Control Optimization of Wind Turbines. IEEE Access, 2019, 7, 186115-186125.	4.2	25
14	Variable-Inertia Emulation Control Scheme for VSC-HVDC Transmission Systems. IEEE Transactions on Power Systems, 2022, 37, 629-639.	6.5	25
15	Improved Interval Optimization Method Based on Differential Evolution for Microgrid Economic Dispatch. Electric Power Components and Systems, 2015, 43, 1882-1890.	1.8	22
16	FARIMA model-based communication traffic anomaly detection in intelligent electric power substations. IET Cyber-Physical Systems: Theory and Applications, 2019, 4, 22-29.	3.3	21
17	Probabilistic Charging Power Forecast of EVCS: Reinforcement Learning Assisted Deep Learning Approach. IEEE Transactions on Intelligent Vehicles, 2023, 8, 344-357.	12.7	21
18	2-D Wind Speed Statistical Model for Reliability Assessment of Microgrid. IEEE Transactions on Sustainable Energy, 2016, 7, 1159-1169.	8.8	20

#	ARTICLE	IF	CITATIONS
19	Application of the Variance Delay Fuzzy Approximate Entropy for Autonomic Nervous System Fluctuation Analysis in Obstructive Sleep Apnea Patients. <i>Entropy</i> , 2020, 22, 915.	2.2	20
20	Analytical FRTU deployment approach for reliability improvement of integrated cyber-physical distribution systems. <i>IET Generation, Transmission and Distribution</i> , 2016, 10, 2631-2639.	2.5	17
21	A DC Series Arc Fault Detection Method Based on a Lightweight Convolutional Neural Network Used in Photovoltaic System. <i>Energies</i> , 2022, 15, 2877.	3.1	14
22	Flexible SnS <sub>2</sub> /CNTs/porous Cu tube textile anode for enhanced sodium-ion batteries. <i>Electrochimica Acta</i> , 2021, 396, 139243.	5.2	12
23	Evaluation of the situational awareness effects for smart distribution networks under the novel design of indicator framework and hybrid weighting method. <i>Frontiers in Energy</i> , 2021, 15, 143-158.	2.3	11
24	Nonintrusive Load Disaggregation for Residential Users Based on Alternating Optimization and Downsampling. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-12.	4.7	11
25	Highly performance of flexible transparent conductive Cu-based ZnO multilayer thin films via BS barrier layer. <i>Ceramics International</i> , 2018, 44, 14318-14322.	4.8	10
26	Enhancing Localization of Mobile Robots in Distributed Sensor Environments for Reliable Proximity Service Applications. <i>IEEE Access</i> , 2019, 7, 28826-28834.	4.2	10
27	Optimal Capacity Allocation of Energy Storage System considering Uncertainty of Load and Wind Generation. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-11.	1.1	10
28	A Simultaneous Multi-Round Auction Design for Scheduling Multiple Charges of Battery Electric Vehicles on Highways. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 8024-8036.	8.0	10
29	Robust Localization of Mobile Robot in Industrial Environments With Non-Line-of-Sight Situation. <i>IEEE Access</i> , 2020, 8, 22537-22545.	4.2	9
30	Steady-State Power Quality Synthetic Evaluation Based on the Triangular Fuzzy BW Method and Interval VIKOR Method. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2839.	2.5	8
31	Choice of the distributed photovoltaic power generation operating mode for a manufacturing enterprise: Surrounding users vs a power grid. <i>Journal of Cleaner Production</i> , 2021, 293, 126199.	9.3	8
32	Distributed Newton-based voltage control method for high-penetration PV generation cluster in active distribution networks. <i>IET Renewable Power Generation</i> , 2020, 14, 1904-1911.	3.1	8
33	Capturing Carbon Dioxide on the Wet SBA-15 Mesoporous Molecular Sieves with Different Surfactants. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 5476-5482.	1.9	7
34	An Evaluation System for HVDC Protection Systems by a Novel Indicator Framework and a Self-Learning Combination Method. <i>IEEE Access</i> , 2020, 8, 152053-152070.	4.2	7
35	Dynamic networking of islanded regional microgrid networks based on graph theory and multi-objective evolutionary optimization. <i>International Transactions on Electrical Energy Systems</i> , 2021, 31, .	1.9	7
36	Improved adaptive gray wolf genetic algorithm for photovoltaic intelligent edge terminal optimal configuration. <i>Computers and Electrical Engineering</i> , 2021, 95, 107394.	4.8	7

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37	An Improved Interval AHP Method for Assessment of Cloud Platform-based Electrical Safety Monitoring System. <i>Journal of Electrical Engineering and Technology</i> , 2017, 12, 959-968.	2.0	7
38	Multiple Power Supply Capacity Planning Research for New Power System Based on Situation Awareness. <i>Energies</i> , 2022, 15, 3298.	3.1	7
39	Scenario prediction for power loads using a pixel convolutional neural network and an optimization strategy. <i>Energy Reports</i> , 2022, 8, 6659-6671.	5.1	7
40	High tunability in (1 1 0)-oriented BaZr <sub>0.2</sub> Ti <sub>0.8</sub> O <sub>3</sub> (BTZ) lead-free thin films fabricated by pulsed laser deposition. <i>Ceramics International</i> , 2018, 44, 3005-3008.	4.8	6
41	(1 1 0)-textured BaSn <sub>0.15</sub> Ti <sub>0.85</sub> O <sub>3</sub> /Ba <sub>0.6</sub> Sr <sub>0.4</sub> TiO <sub>3</sub> /BaZr <sub>0.2</sub> Ti <sub>0.8</sub> O <sub>3</sub> multilayers with enhanced tunable performance. <i>Journal of Alloys and Compounds</i> , 2019, 781, 689-695.	5.5	6
42	Implementation of battery charging and discharging system in photovoltaic system. , 2013, , .		5
43	Allowable DG Penetration Capacity Calculation of SNOP-based Flexible Distribution Network. , 2018, , .		5
44	Hybrid Evaluation Method for Dispatching Control Level of Smart Distribution Network. <i>Journal of Electrical Engineering and Technology</i> , 2019, 14, 2263-2275.	2.0	5
45	A GWO-GRNN based model for short-term load forecasting of regional distribution network. <i>CSEE Journal of Power and Energy Systems</i> , 0, , .	1.1	5
46	Collaborative Operation Between Power Network and Hydrogen Fueling Stations With Peer-to-Peer Energy Trading. <i>IEEE Transactions on Transportation Electrification</i> , 2023, 9, 1521-1540.	7.8	5
47	Study on double modulation wave carrier-based PWM for three-level neutral-point-clamped inverters. , 2013, , .		4
48	Enhanced dielectric tunable performance of Bi <sub>1.5</sub> Zn <sub>1.0</sub> Nb <sub>1.5</sub> O <sub>7</sub> /BaTi <sub>0.85</sub> Sn <sub>0.15</sub> O <sub>3</sub> heterolayer thin films. <i>Ceramics International</i> , 2019, 45, 6509-6513.	4.8	4
49	Event-Triggered Forecasting-Aided State Estimation for Active Distribution System With Distributed Generations. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	4
50	Optimal Configuration of Energy Storage System Considering Uncertainty of Load and Wind Generation. , 2020, , .		4
51	Verification method of topological relationship of low voltage distribution equipment based on KNN and Pearson correlation coefficient. , 2021, , .		4
52	Framework design of cloud computing technology application in power system transient simulation. , 2014, , .		3
53	Hybrid Subjective and Objective Evaluation Method of the Equipment for First Class Distribution Network. <i>Energy Procedia</i> , 2019, 158, 3452-3457.	1.8	3
54	Improved Harris Hawks Optimization for Configuration of PV Intelligent Edge Terminals. <i>IEEE Transactions on Sustainable Computing</i> , 2022, 7, 631-643.	3.1	3

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55	Automatic test platform for photovoltaic grid-connected inverters. , 2013, , .		2
56	Available Transfer Capacity calculation based on carbon emission reduction strategy. , 2013, , .		2
57	Research on User Electrical Safety Monitoring System Based on Cloud Computing Technology. Applied Mechanics and Materials, 0, 681, 152-159.	0.2	2
58	A Two-Stage Wind Grid Inverter with Boost Converter. Journal of Applied Mathematics, 2014, 2014, 1-5.	0.9	2
59	A combined interval AHP-entropy method for power user evaluation in Smart Electrical Utilization Systems. , 2016, , .		2
60	Cost-Benefit Analysis of Distributed Energy Storage in Distribution Grids with Renewables. , 2018, , .		2
61	A Comprehensive Evaluation method of DC Protection System Based on IAHP Method. , 2019, , .		2
62	Optimization of Micro-grid Dispatching Based on Adaptive Chaos Particle Swarm Optimization. , 2019, , .		2
63	Effect of structural design on the electrical, optical and mechanical properties of flexible BaSnO <sub>3</sub> Ag composite thin films. Materials Science in Semiconductor Processing, 2020, 117, 105189.	4.0	2
64	Short-term load forecasting of the integrated energy system considering the peak-valley of load correlations. IET Generation, Transmission and Distribution, 2022, 16, 2791-2804.	2.5	2
65	Situational Awareness for Smart Distribution Systems. Energies, 2022, 15, 4164.	3.1	2
66	A Scheme Design of Cloud + End Technology in Demand Side Management. American Journal of Engineering and Applied Sciences, 2015, 8, 736-747.	0.6	1
67	PQ decoupled 3-phase numerical observability analysis and critical data identification for distribution systems. International Transactions on Electrical Energy Systems, 2017, 27, e2317.	1.9	1
68	Subjective and objective evaluation method of cloud computing in power system under the background of energy internet. , 2017, , .		1
69	A load management optimization strategy for smart distribution network considering Time-Of-Use electricity price and load control. , 2019, , .		1
70	Power Optimization Strategy for Typical Industrial Users under the Condition of Time-of-use Pricing. , 2019, , .		1
71	Analysis on losses of distribution network and countermeasures to reduce losses. , 2014, , .		1
72	A FA-GWO-GRNN Method for Short-Term Photovoltaic Output Prediction. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
73	Design of dual control and dual output constant current source for semi-conductor laser diode. , 2013, , .		0
74	A Guaranteed Two-stage State Estimation Framework for Unbalanced Three-phase Distribution Systems by Considering Multi-source Measurement Uncertainty. , 2018, , .		0
75	Research on Reactive Power Compensation and Harmonic Elimination Based on Current Predictive Control Method. , 2018, , .		0
76	A Device for Online Monitoring of the Measurement Accuracy of Digital Electric Energy Meter. IOP Conference Series: Earth and Environmental Science, 2019, 342, 012004.	0.3	0
77	Robust Security Constrained Unit Commitment considering AC power flow constraints. , 2021, , .		0
78	Research on User Integrated Energy Efficiency Evaluation Based on Balanced Score Card Method. , 2016, , .		0
79	Preparation and Investigation of Flexible SrTiO <sub>3</sub> /Ag/SrTiO <sub>3</sub> Multilayer Transparent Conductive Thin Films. Guangzi Xuebao/Acta Photonica Sinica, 2018, 47, 516003.	0.3	0
80	Self-Adaptive Evaluation of Hybrid AC/DC Distribution Networks with Multi-Energy Complementary Systems. , 2021, , .		0
81	A comprehensive power quality assessment method of low-voltage distribution network based on the best and worst method. , 2021, , .		0
82	An Power Quality Data Classification Method of Important Power User of Low-voltage Distribution Network based on Twin Networks. , 2021, , .		0
83	Design of Intelligent Auxiliary Input System for Distribution Equipment Defects Based on HMM and Word2vec. , 2021, , .		0