

Guibin Wang

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,598
citations

394286

19
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414303

32
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44
all docs

44
docs citations

44
times ranked

1602
citing authors

#	ARTICLE	IF	CITATIONS
1	Traffic-Constrained Multiobjective Planning of Electric-Vehicle Charging Stations. IEEE Transactions on Power Delivery, 2013, 28, 2363-2372.	2.9	311
2	Deterministic and probabilistic forecasting of photovoltaic power based on deep convolutional neural network. Energy Conversion and Management, 2017, 153, 409-422.	4.4	262
3	Deep Learning-Based Interval State Estimation of AC Smart Grids Against Sparse Cyber Attacks. IEEE Transactions on Industrial Informatics, 2018, 14, 4766-4778.	7.2	177
4	Deep-Learning-Based Probabilistic Forecasting of Electric Vehicle Charging Load With a Novel Queuing Model. IEEE Transactions on Cybernetics, 2021, 51, 3157-3170.	6.2	98
5	Collaborative Planning for Electricity Distribution Network and Transportation System Considering Hydrogen Fuel Cell Vehicles. IEEE Transactions on Transportation Electrification, 2020, 6, 1211-1225.	5.3	66
6	Multitasking multi-objective operation optimization of integrated energy system considering biogas-solar-wind renewables. Energy Conversion and Management, 2021, 229, 113736.	4.4	60
7	Dispatch Strategy of PHEVs to Mitigate Selected Patterns of Seasonally Varying Outputs From Renewable Generation. IEEE Transactions on Smart Grid, 2015, 6, 627-639.	6.2	56
8	A Model to Mitigate Forecast Uncertainties in Distribution Systems Using the Temporal Flexibility of EVs. IEEE Transactions on Power Systems, 2020, 35, 2212-2221.	4.6	47
9	Extreme Learning Machine-Based State Reconstruction for Automatic Attack Filtering in Cyber Physical Power System. IEEE Transactions on Industrial Informatics, 2021, 17, 1892-1904.	7.2	39
10	Robust Planning of Electric Vehicle Charging Facilities With an Advanced Evaluation Method. IEEE Transactions on Industrial Informatics, 2018, 14, 866-876.	7.2	38
11	A Hybrid Deep Learning Framework for Long-Term Traffic Flow Prediction. IEEE Access, 2021, 9, 11264-11271.	2.6	36
12	GPNBI-inspired MOSFA for Pareto operation optimization of integrated energy system. Energy Conversion and Management, 2017, 151, 524-537.	4.4	32
13	Electric Vehicle Participated Electricity Market Model Considering Flexible Ramping Product Provisions. IEEE Transactions on Industry Applications, 2020, 56, 5868-5879.	3.3	32
14	Performance Guaranteed Control of Flywheel Energy Storage System for Pulsed Power Load Accommodation. IEEE Transactions on Power Systems, 2018, 33, 3994-4004.	4.6	31
15	Yen's Algorithm-Based Charging Facility Planning Considering Congestion in Coupled Transportation and Power Systems. IEEE Transactions on Transportation Electrification, 2019, 5, 1134-1144.	5.3	31
16	A Parameter Identification Approach With Primary-Side Measurement for DC-DC Wireless-Power-Transfer Converters With Different Resonant Tank Topologies. IEEE Transactions on Transportation Electrification, 2021, 7, 1219-1235.	5.3	29
17	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
18	Carbon-Oriented Expansion Planning of Integrated Electricity-Natural Gas Systems With EV Fast-Charging Stations. IEEE Transactions on Transportation Electrification, 2022, 8, 2797-2809.	5.3	25

#	ARTICLE	IF	CITATIONS
19	Cross entropy optimization based on decomposition for multi-objective economic emission dispatch considering renewable energy generation uncertainties. <i>Energy</i> , 2020, 193, 116790.	4.5	24
20	Hydrogen Energy Storage System for Demand Forecast Error Mitigation and Voltage Stabilization in a Fast-Charging Station. <i>IEEE Transactions on Industry Applications</i> , 2022, 58, 2718-2727.	3.3	19
21	EMI filter design of single-phase SiC MOSFET inverter with extracted noise source impedance. <i>IEEE Electromagnetic Compatibility Magazine</i> , 2019, 8, 45-53.	0.1	17
22	Flexible Integrated Network Planning Considering Echelon Utilization of Second Life of Used Electric Vehicle Batteries. <i>IEEE Transactions on Transportation Electrification</i> , 2022, 8, 263-276.	5.3	17
23	A Multitasking Electric Power Dispatch Approach With Multi-Objective Multifactorial Optimization Algorithm. <i>IEEE Access</i> , 2020, 8, 155902-155911.	2.6	15
24	Multiple group search optimization based on decomposition for multi-objective dispatch with electric vehicle and wind power uncertainties. <i>Applied Energy</i> , 2020, 262, 114507.	5.1	15
25	A Human-Machine Reinforcement Learning Method for Cooperative Energy Management. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 2974-2985.	7.2	13
26	Spatiotemporal Scenario Generation of Traffic Flow Based on LSTM-GAN. <i>IEEE Access</i> , 2020, 8, 186191-186198.	2.6	12
27	Low carbon oriented power-to-gas station and integrated energy system planning with ancillary service provision and wind power integration. <i>IET Renewable Power Generation</i> , 2020, 14, 3356-3367.	1.7	12
28	Carbon emission flow oriented multitasking multi-objective optimization of electricity-hydrogen integrated energy system. <i>IET Renewable Power Generation</i> , 2022, 16, 1474-1489.	1.7	12
29	GPNBI inspired MOSDE for electric power dispatch considering wind energy penetration. <i>Energy</i> , 2018, 144, 404-419.	4.5	10
30	Interval state estimation based defense mechanism against cyber attack on power systems. , 2017, , .		7
31	Comparative evaluation of WBG and Si power devices for the flyback converter. , 2017, , .		5
32	Distributed Energy-Sharing Strategy for Peer-to-Peer Microgrid System. <i>Journal of Energy Engineering - ASCE</i> , 2020, 146, .	1.0	5
33	Effects of Nonlinearity in Input Filter on the Dynamic Behavior of an Interleaved Boost PFC Converter. <i>Energies</i> , 2017, 10, 1530.	1.6	3
34	LCL Filter Design with the Inductor Nonlinear Behavior Consideration in the Three Phase Grid-Connected Inverter. , 2018, , .		3
35	Recursive Method for Distribution System Reliability Evaluation. <i>Energies</i> , 2018, 11, 2681.	1.6	3
36	THD and EMI performance study of foil-wound inductor of LCL filter for high power density converter. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
37	LCL filter design and analysis of grid-connected converter for power quality and EMI compliance. , 2016, , .		2
38	A Decentralized Power Allocation Strategy for the EV Charging Network. , 2018, , .		2
39	Two-layer Scheduling of Aggregated Electric Vehicles and Thermostatically Controlled Loads in Micro-grid. , 2019, , .		2
40	Optimal dispatch of plug-in hybrid electric vehicles to reduce the load fluctuations on distribution networks. , 2013, , .		1
41	Mutli-Objective Optimized Operation of Integrated Energy System with Solar and Wind Renewables. , 2020, , .		1
42	Magnetic components design of LCL filter in the grid connected power converter. , 2017, , .		0
43	Coordinated Optimization of PTG and NGFP Considering Regulation in a Market Environment. , 2018, , .		0
44	Scenario Based Local AC Sparse False Data Injection Attack on Smart Grid. , 2018, , .		0