Guibin Wang

List of Publications by Year
in descending order

44 papers	1,598 citations	393982 19 h-index	414034 32 g-index
44 all docs	44 docs citations	44 times ranked	1602 citing authors

#	Article	IF	Citations
1	Flexible Integrated Network Planning Considering Echelon Utilization of Second Life of Used Electric Vehicle Batteries. IEEE Transactions on Transportation Electrification, 2022, 8, 263-276.	5.3	17
2	Hydrogen Energy Storage System for Demand Forecast Error Mitigation and Voltage Stabilization in a Fast-Charging Station. IEEE Transactions on Industry Applications, 2022, 58, 2718-2727.	3.3	19
3	A Human-Machine Reinforcement Learning Method for Cooperative Energy Management. IEEE Transactions on Industrial Informatics, 2022, 18, 2974-2985.	7.2	13
4	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
5	Carbon emission flow oriented multitasking multiâ€objective optimization of electricityâ€hydrogen integrated energy system. IET Renewable Power Generation, 2022, 16, 1474-1489.	1.7	12
6	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
7	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
8	Multitasking multi-objective operation optimization of integrated energy system considering biogas-solar-wind renewables. Energy Conversion and Management, 2021, 229, 113736.	4.4	60
9	A Parameter Identification Approach With Primary-Side Measurement for DCâ€"DC Wireless-Power-Transfer Converters With Different Resonant Tank Topologies. IEEE Transactions on Transportation Electrification, 2021, 7, 1219-1235.	5.3	29
10	A Hybrid Deep Learning Framework for Long-Term Traffic Flow Prediction. IEEE Access, 2021, 9, 11264-11271.	2.6	36
11	Cross entropy optimization based on decomposition for multi-objective economic emission dispatch considering renewable energy generation uncertainties. Energy, 2020, 193, 116790.	4.5	24
12	A Model to Mitigate Forecast Uncertainties in Distribution Systems Using the Temporal Flexibility of EVAs. IEEE Transactions on Power Systems, 2020, 35, 2212-2221.	4.6	47
13	Spatiotemporal Scenario Generation of Traffic Flow Based on LSTM-GAN. IEEE Access, 2020, 8, 186191-186198.	2.6	12
14	Mutli-Objective Optimized Operation of Integrated Energy System with Solar and Wind Renewables. , 2020, , .		1
15	A Multitasking Electric Power Dispatch Approach With Multi-Objective Multifactorial Optimization Algorithm. IEEE Access, 2020, 8, 155902-155911.	2.6	15
16	Distributed Energy-Sharing Strategy for Peer-to-Peer Microgrid System. Journal of Energy Engineering - ASCE, 2020, 146, .	1.0	5
17	Electric Vehicle Participated Electricity Market Model Considering Flexible Ramping Product Provisions. IEEE Transactions on Industry Applications, 2020, 56, 5868-5879.	3.3	32
18	Multiple group search optimization based on decomposition for multi-objective dispatch with electric vehicle and wind power uncertainties. Applied Energy, 2020, 262, 114507.	5.1	15

#	Article	IF	Citations
19	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
20	Low carbon oriented powerâ€toâ€gas station and integrated energy system planning with ancillary service provision and wind power integration. IET Renewable Power Generation, 2020, 14, 3356-3367.	1.7	12
21	EMI filter design of single-phase SiC MOSFET inverter with extracted noise source impedance. IEEE Electromagnetic Compatibility Magazine, 2019, 8, 45-53.	0.1	17
22	Two-layer Scheduling of Aggregated Electric Vehicles and Thermostatically Controlled Loads in Micro-grid. , 2019, , .		2
23	Yenâ€™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
24	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
25	GPNBI inspired MOSDE for electric power dispatch considering wind energy penetration. Energy, 2018, 144, 404-419.	4.5	10
26	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
27	Robust Planning of Electric Vehicle Charging Facilities With an Advanced Evaluation Method. IEEE Transactions on Industrial Informatics, 2018, 14, 866-876.	7.2	38
28	LCL Filter Design with the Inductor Nonlinear Behavior Consideration in the Three Phase Grid-Connected Inverter. , 2018, , .		3
29	A Decentralized Power Allocation Strategy for the EV Charging Network. , 2018, , .		2
30	Coordinated Optimization of PTG and NGFP Considering Regulation in a Market Environment. , 2018, , .		0
31	Recursive Method for Distribution System Reliability Evaluation. Energies, 2018, 11, 2681.	1.6	3
32	Scenario Based Local AC Sparse False Data Injection Attack on Smart Grid. , 2018, , .		0
33	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
34	Deterministic and probabilistic forecasting of photovoltaic power based on deep convolutional neural network. Energy Conversion and Management, 2017, 153, 409-422.	4.4	262
35	GPNBI-inspired MOSFA for Pareto operation optimization of integrated energy system. Energy Conversion and Management, 2017, 151, 524-537.	4.4	32
36	Magnetic components design of LCL filter in the grid connected power converter. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
37	Comparative evaluation of WBG and Si power devices for the flyback converter. , 2017, , .		5
38	Interval state estimation based defense mechanism against cyber attack on power systems. , 2017, , .		7
39	Effects of Nonlinearity in Input Filter on the Dynamic Behavior of an Interleaved Boost PFC Converter. Energies, 2017, 10, 1530.	1.6	3
40	THD and EMI performance study of foil-wound inductor of LCL filter for high power density converter. , 2016, , .		2
41	LCL filter design and analysis of grid-connected converter for power quality and EMI compliance. , 2016, , .		2
42	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
43	Traffic-Constrained Multiobjective Planning of Electric-Vehicle Charging Stations. IEEE Transactions on Power Delivery, 2013, 28, 2363-2372.	2.9	311
44	Optimal dispatch of plug-in hybrid electric vehicles to reduce the load fluctuations on distribution networks. , 2013, , .		1