

# Wei Dai

## List of Publications by Year in descending order

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31  
papers

290  
citations

933447

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h-index

940533

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g-index

31  
all docs

31  
docs citations

31  
times ranked

166  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combination of Manifold Learning and Deep Learning Algorithms for Mid-Term Electrical Load Forecasting. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2584-2593.	11.3	16
2	Modeling Integrated Power and Transportation Systems: Impacts of Power-to-Gas on the Deep Decarbonization. IEEE Transactions on Industry Applications, 2022, 58, 2677-2693.	4.9	20
3	Application of choosing by advantages to determine the optimal site for solar power plants. Scientific Reports, 2022, 12, 4113.	3.3	18
4	Orderly Charging Strategy Based on Optimal Time of Use Price Demand Response of Electric Vehicles in Distribution Network. Energies, 2022, 15, 1869.	3.1	27
5	A New Wind Speed Scenario Generation Method Based on Principal Component and R-Vine Copula Theories. Energies, 2022, 15, 2698.	3.1	8
6	Denoising Transient Power Quality Disturbances Using an Improved Adaptive Wavelet Threshold Method Based on Energy Optimization. Energies, 2022, 15, 3081.	3.1	7
7	An Assessment of Multistage Reward Function Design for Deep Reinforcement Learning-Based Microgrid Energy Management. IEEE Transactions on Smart Grid, 2022, 13, 4300-4311.	9.0	10
8	Model-Driven Architecture of Extreme Learning Machine to Extract Power Flow Features. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4680-4690.	11.3	5
9	Enhancing economics of power systems through fast unit commitment with high time resolution. Applied Energy, 2021, 281, 116051.	10.1	8
10	Estimation of Operation Cost of Residential Multiple Energy System Considering Uncertainty of Loads and Renewable Energies. IEEE Access, 2021, 9, 4874-4885.	4.2	9
11	Economic Dispatch of Wind-hydro-thermal Power Systems Considering Reservoir Flexibility. , 2021, , .		2
12	Optimal Scheduling of Micro-Grid Multi-Energy System Considering Two-Dimensions Price-Based Demand Response. , 2021, , .		3
13	Short-term wind power prediction based on preprocessing and improved secondary decomposition. Journal of Renewable and Sustainable Energy, 2021, 13, .	2.0	11
14	Multi-Convolution Feature Extraction and Recurrent Neural Network Dependent Model for Short-Term Load Forecasting. IEEE Access, 2021, 9, 118528-118540.	4.2	21
15	Incorporating External Flexibility in Generation Expansion Planning. IEEE Transactions on Power Systems, 2021, 36, 5959-5962.	6.5	16
16	A Tutorial on Quantum Approximate Optimization Algorithm for Maximum Independent Set Problem. , 2021, , .		1
17	Common-Mode Voltage Reduction Algorithm for Photovoltaic Grid-Connected Inverters with Virtual-Vector Model Predictive Control. Electronics (Switzerland), 2021, 10, 2607.	3.1	4
18	A Constraint Equivalent Model of Heat Network with Heat Storage. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	An available capacity evaluation method for photovoltaic generation considering hydrogen storage. Journal of Physics: Conference Series, 2021, 2087, 012026.	0.4	0
20	A feasible region evaluation method of renewable energy accommodation capacity. Energy Reports, 2021, 7, 1513-1520.	5.1	11
21	Tie-Line Feasible Region Characterization Method for Nonlinear Regional Power System. , 2021, , .		1
22	A Static Equivalent Model of Natural Gas Network for Electricity-Gas Co-Optimization. IEEE Transactions on Sustainable Energy, 2020, 11, 1473-1482.	8.8	25
23	Weak Factors Identification Method for Renewable Energy Accommodation. , 2020, , .		0
24	Feasible Region of Transmission Sections: Weak Factors Identification and Expansion. IEEE Access, 2020, 8, 90099-90108.	4.2	2
25	Improving the scalability of deep neural network for probabilistic power flow. International Transactions on Electrical Energy Systems, 2020, 30, e12322.	1.9	1
26	Toward Fast Calculation of Probabilistic Optimal Power Flow. , 2020, , .		0
27	Security region of renewable energy integration: Characterization and flexibility. Energy, 2019, 187, 115975.	8.8	21
28	Toward Fast Calculation of Probabilistic Optimal Power Flow. IEEE Transactions on Power Systems, 2019, 34, 3286-3288.	6.5	29
29	Optimal planning for electric vehicle charging stations considering Environmental Temperature and User Behaviors. , 2019, , .		2
30	Probabilistic energy flow and risk assessment of Electricity-Gas systems considering the thermodynamic process. Energy, 2019, 189, 116263.	8.8	9
31	Equivalent Optimal Power Flow Method Considering Natural Gas Network Constraints. , 2018, , .		3