

Wei Sun

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

382
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23
all docs

23
docs citations

23
times ranked

260
citing authors

#	ARTICLE	IF	CITATIONS
1	Distribution network hosting capacity assessment: Incorporating probabilistic harmonic distortion limits using chance constrained optimal power flow. IET Smart Grid, 2022, 5, 63-75.	2.2	3
2	Evaluating Connectable Capacity of Distributed Wind Generation in Distribution Networks Through a Bayesian Integrated Optimization Method. IEEE Systems Journal, 2022, 16, 2110-2120.	4.6	2
3	Deep transfer learning based assistant system for optimal investment decision of distribution networks. Energy Reports, 2022, 8, 91-96.	5.1	6
4	Resilience Assessment of Hydrogen-Integrated Energy System for Airport Electrification. IEEE Transactions on Industry Applications, 2022, 58, 2812-2824.	4.9	13
5	A multi-model method to assess the value of power-to-gas using excess renewable. International Journal of Hydrogen Energy, 2022, 47, 9103-9114.	7.1	11
6	Low-carbon economic planning of integrated electricity-gas energy systems. Energy, 2022, 249, 123755.	8.8	23
7	Active Load Management of Hydrogen Refuelling Stations for Increasing the Grid Integration of Renewable Generation. IEEE Access, 2021, 9, 101681-101694.	4.2	10
8	Impact of Large-Scale Mobile Electric Vehicle Charging in Smart Grids: A Reliability Perspective. Frontiers in Energy Research, 2021, 9, .	2.3	11
9	Optimization via Statistical Emulation and Uncertainty Quantification: Hosting Capacity Analysis of Distribution Networks. IEEE Access, 2021, 9, 118472-118483.	4.2	1
10	Effect of P2G on Flexibility in Integrated Power-Natural Gas-Heating Energy Systems with Gas Storage. Energies, 2021, 14, 196.	3.1	27
11	The economic and environmental impact of power to hydrogen/power to methane facilities on hybrid power-natural gas energy systems. International Journal of Hydrogen Energy, 2020, 45, 20200-20209.	7.1	37
12	Multi-objective optimization for an integrated renewable, power-to-gas and solid oxide fuel cell/gas turbine hybrid system in microgrid. Energy, 2020, 213, 118804.	8.8	72
13	Value of Local Offshore Renewable Resource Diversity for Network Hosting Capacity. Energies, 2020, 13, 5913.	3.1	6
14	Reliability correlated optimal planning of distribution network with distributed generation. Electric Power Systems Research, 2020, 186, 106391.	3.6	24
15	Robust Scheduling of Electric Vehicle Charging in LV Distribution Networks Under Uncertainty. IEEE Transactions on Industry Applications, 2020, 56, 5785-5795.	4.9	35
16	Identifying Correlation between Planning Strategy and Reliability of Distribution Networks Based on Machine Learning. , 2019, , .		2
17	Optimal Low-Carbon Economic Environmental Dispatch of Hybrid Electricity-Natural Gas Energy Systems Considering P2G. Energies, 2019, 12, 1355.	3.1	17
18	Wind-solar complementarity and effective use of distribution network capacity. Applied Energy, 2019, 247, 89-101.	10.1	62

#	ARTICLE	IF	CITATIONS
19	A Novel Planning Method for Multi-Scale Integrated Energy System. , 2019, , .		2
20	Developing a spatially and temporally explicit solar resource dataset for Great Britain. Journal of Engineering, 2019, 2019, 5269-5273.	1.1	2
21	Active operation of hydrogen fuelling stations to support renewable integration. , 2017, , .		4
22	Incorporating harmonic limits into assessment of the hosting capacity of active networks. , 2012, , .		7
23	Distribution network capacity assessment: Incorporating harmonic distortion limits. , 2012, , .		5