

Wei Sun

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

382
citations

933447

10
h-index

839539

18
g-index

23
all docs

23
docs citations

23
times ranked

260
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-objective optimization for an integrated renewable, power-to-gas and solid oxide fuel cell/gas turbine hybrid system in microgrid. <i>Energy</i> , 2020, 213, 118804.	8.8	72
2	Wind-solar complementarity and effective use of distribution network capacity. <i>Applied Energy</i> , 2019, 247, 89-101.	10.1	62
3	The economic and environmental impact of power to hydrogen/power to methane facilities on hybrid power-natural gas energy systems. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 20200-20209.	7.1	37
4	Robust Scheduling of Electric Vehicle Charging in LV Distribution Networks Under Uncertainty. <i>IEEE Transactions on Industry Applications</i> , 2020, 56, 5785-5795.	4.9	35
5	Effect of P2G on Flexibility in Integrated Power-Natural Gas-Heating Energy Systems with Gas Storage. <i>Energies</i> , 2021, 14, 196.	3.1	27
6	Reliability correlated optimal planning of distribution network with distributed generation. <i>Electric Power Systems Research</i> , 2020, 186, 106391.	3.6	24
7	Low-carbon economic planning of integrated electricity-gas energy systems. <i>Energy</i> , 2022, 249, 123755.	8.8	23
8	Optimal Low-Carbon Economic Environmental Dispatch of Hybrid Electricity-Natural Gas Energy Systems Considering P2G. <i>Energies</i> , 2019, 12, 1355.	3.1	17
9	Resilience Assessment of Hydrogen-Integrated Energy System for Airport Electrification. <i>IEEE Transactions on Industry Applications</i> , 2022, 58, 2812-2824.	4.9	13
10	Impact of Large-Scale Mobile Electric Vehicle Charging in Smart Grids: A Reliability Perspective. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	11
11	A multi-model method to assess the value of power-to-gas using excess renewable. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 9103-9114.	7.1	11
12	Active Load Management of Hydrogen Refuelling Stations for Increasing the Grid Integration of Renewable Generation. <i>IEEE Access</i> , 2021, 9, 101681-101694.	4.2	10
13	Incorporating harmonic limits into assessment of the hosting capacity of active networks. , 2012, , .		7
14	Value of Local Offshore Renewable Resource Diversity for Network Hosting Capacity. <i>Energies</i> , 2020, 13, 5913.	3.1	6
15	Deep transfer learning based assistant system for optimal investment decision of distribution networks. <i>Energy Reports</i> , 2022, 8, 91-96.	5.1	6
16	Distribution network capacity assessment: Incorporating harmonic distortion limits. , 2012, , .		5
17	Active operation of hydrogen fuelling stations to support renewable integration. , 2017, , .		4
18	Distribution network hosting capacity assessment: Incorporating probabilistic harmonic distortion limits using chance constrained optimal power flow. <i>IET Smart Grid</i> , 2022, 5, 63-75.	2.2	3

#	ARTICLE	IF	CITATIONS
19	Identifying Correlation between Planning Strategy and Reliability of Distribution Networks Based on Machine Learning. , 2019, , .		2
20	A Novel Planning Method for Multi-Scale Integrated Energy System. , 2019, , .		2
21	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
22	Developing a spatially and temporally explicit solar resource dataset for Great Britain. Journal of Engineering, 2019, 2019, 5269-5273.	1.1	2
23	Optimization via Statistical Emulation and Uncertainty Quantification: Hosting Capacity Analysis of Distribution Networks. IEEE Access, 2021, 9, 118472-118483.	4.2	1