Wei Sun

List of Publications by Year
in descending order

25 papers	888 citations	623574 14 h-index	752573 20 g-index
26 all docs	26 docs citations	26 times ranked	620 citing authors

#	ARTICLE	IF	CITATIONS
1	Restoration Strategy for Active Distribution Systems Considering Endogenous Uncertainty in Cold Load Pickup. IEEE Transactions on Smart Grid, 2022, 13, 2690-2702.	6.2	11
2	Distributional Deep Reinforcement Learning-Based Emergency Frequency Control. IEEE Transactions on Power Systems, 2022, 37, 2720-2730.	4.6	10
3	Enhancing Active Distribution Systems Resilience by Fully Distributed Self-Healing Strategy. IEEE Transactions on Smart Grid, 2022, 13, 1023-1034.	6.2	11
4	Proactive Rolling-Horizon-Based Scheduling of Hydrogen Systems for Resilient Power Grids. IEEE Transactions on Industry Applications, 2022, 58, 1737-1746.	3.3	20
5	Cybersecurity Enhancement for Multi-Infeed High-Voltage DC Systems. IEEE Transactions on Smart Grid, 2022, 13, 3227-3240.	6.2	8
6	Cyber-Physical Vulnerability Assessment of P2P Energy Exchanges in Active Distribution Networks. , 2022, , .		0
7	Multi-Time Scale Coordinated Control and Scheduling of Inverter-Based TCLs With Variable Wind Generation. IEEE Transactions on Sustainable Energy, 2021, 12, 46-57.	5.9	22
8	Proactive Scheduling of Hydrogen Systems for Resilience Enhancement of Distribution Networks. , 2021, , .		4
9	Robust Distribution System Load Restoration With Time-Dependent Cold Load Pickup. IEEE Transactions on Power Systems, 2021, 36, 3204-3215.	4.6	36
10	Multi-Round Double Auction-Enabled Peer-to-Peer Energy Exchange in Active Distribution Networks. IEEE Transactions on Smart Grid, 2021, 12, 4403-4414.	6.2	49
11	Hierarchical Scheduling of Aggregated TCL Flexibility for Transactive Energy in Power Systems. IEEE Transactions on Smart Grid, 2020, 11, 2452-2463.	6.2	59
12	Data-Based Resilience Enhancement Strategies for Electric-Gas Systems Against Sequential Extreme Weather Events. IEEE Transactions on Smart Grid, 2020, 11, 5383-5395.	6.2	36
13	A Review of Smart Grid Restoration to Enhance Cyber-Physical System Resilience. , 2019, , .		32
14	Real-Time Optimized Load Recovery Considering Frequency Constraints. IEEE Transactions on Power Systems, 2019, 34, 4204-4215.	4.6	13
15	Distributed Restoration for Integrated Transmission and Distribution Systems With DERs. IEEE Transactions on Power Systems, 2019, 34, 4964-4973.	4.6	44
16	Optimal distribution system restoration using PHEVs. IET Smart Grid, 2019, 2, 42-49.	1.5	23
17	Distributed Load Restoration in Unbalanced Active Distribution Systems. IEEE Transactions on Smart Grid, 2019, 10, 5759-5769.	6.2	51
18	Incorporating Wind Energy in Power System Restoration Planning. IEEE Transactions on Smart Grid, 2019, 10, 16-28.	6.2	72

#	Article	IF	Citations
19	Coordination of Wind Farm and Pumped-Storage Hydro for a Self-Healing Power Grid. IEEE Transactions on Sustainable Energy, 2018, 9, 1910-1920.	5.9	66
20	Impact Studies and Cooperative Voltage Control for High PV Penetration. IFAC-PapersOnLine, 2018, 51, 684-689.	0.5	11
21	Two-Stage Adaptive Restoration Decision Support System for a Self-Healing Power Grid. IEEE Transactions on Industrial Informatics, 2017, 13, 2802-2812.	7.2	70
22	PHEVs contribution to the self-healing process of distribution systems. , 2016, , .		4
23	Coordinating generation and load pickup during load restoration with discrete load increments and reserve constraints. IET Generation, Transmission and Distribution, 2015, 9, 2437-2446.	1.4	28
24	Optimal Generator Start-Up Strategy for Bulk Power System Restoration. IEEE Transactions on Power Systems, 2011, 26, 1357-1366.	4.6	205
25	Hydrogen and Battery Storage Technologies for Low-Cost Energy Decarbonization in Distribution Networks. Journal of the Electrochemical Society, 0, , .	1.3	3