

# Xi Lu

## List of Publications by Year in descending order

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papers

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687363

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docs citations

17  
times ranked

519  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of two-stage robust optimization theory in power system scheduling under uncertainties: A review and perspective. Energy, 2022, 251, 123942.	8.8	29
2	A model for balance responsible distribution systems with energy storage to achieve coordinated load shifting and uncertainty mitigation. Energy, 2022, 249, 123749.	8.8	5
3	Volt-VAR-Pressure Optimization of Integrated Energy Systems With Hydrogen Injection. IEEE Transactions on Power Systems, 2021, 36, 2403-2415.	6.5	17
4	Optimal Coordination of Electric Vehicles for Virtual Power Plants With Dynamic Communication Spectrum Allocation. IEEE Transactions on Industrial Informatics, 2021, 17, 450-462.	11.3	42
5	Water-Energy Nexus Management for Power Systems. IEEE Transactions on Power Systems, 2021, 36, 2542-2554.	6.5	23
6	A Real-Time Alternating Direction Method of Multipliers Algorithm for Nonconvex Optimal Power Flow Problem. IEEE Transactions on Industry Applications, 2021, 57, 70-82.	4.9	10
7	An Operation Model for Distribution Companies Using the Flexibility of Electric Vehicle Aggregators. IEEE Transactions on Smart Grid, 2021, 12, 1507-1518.	9.0	25
8	Two-stage robust distribution system operation by coordinating electric vehicle aggregator charging and load curtailments. Energy, 2021, 226, 120345.	8.8	17
9	Hierarchical distributed control approach for multiple on-site DERs coordinated operation in microgrid. International Journal of Electrical Power and Energy Systems, 2021, 129, 106864.	5.5	27
10	A Model to Mitigate Forecast Uncertainties in Distribution Systems Using the Temporal Flexibility of EVs. IEEE Transactions on Power Systems, 2020, 35, 2212-2221.	6.5	47
11	ALADIN-Based Coordinated Operation of Power Distribution and Traffic Networks With Electric Vehicles. IEEE Transactions on Industry Applications, 2020, 56, 5944-5954.	4.9	28
12	Security-Constrained Multiperiod Economic Dispatch With Renewable Energy Utilizing Distributionally Robust Optimization. IEEE Transactions on Sustainable Energy, 2019, 10, 768-779.	8.8	66
13	Distributed Coordinated Management for Multiple Distributed Energy Resources Optimal Operation with Security Constrains. , 2019, , .		1
14	Risk-constrained offering strategy for a hybrid power plant consisting of wind power producer and electric vehicle aggregator. Energy, 2019, 177, 183-191.	8.8	29
15	A Fully Distributed Hierarchical Control Framework for Coordinated Operation of DERs in Active Distribution Power Networks. IEEE Transactions on Power Systems, 2019, 34, 5184-5197.	6.5	65
16	An Autonomous Real-Time Charging Strategy for Plug-In Electric Vehicles to Regulate Frequency of Distribution System With Fluctuating Wind Generation. IEEE Transactions on Sustainable Energy, 2018, 9, 511-524.	8.8	40
17	A Hierarchical Scheme for Utilizing Plug-In Electric Vehicle Power to Hedge Against Wind-Induced Unit Ramp Cycling Operations. IEEE Transactions on Power Systems, 2018, 33, 55-69.	6.5	12