

# Xi Lu

## List of Publications by Year in descending order

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papers

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687363

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940533

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docs citations

17  
times ranked

519  
citing authors

#	ARTICLE	IF	CITATIONS
1	Security-Constrained Multiperiod Economic Dispatch With Renewable Energy Utilizing Distributionally Robust Optimization. IEEE Transactions on Sustainable Energy, 2019, 10, 768-779.	8.8	66
2	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
3	A Model to Mitigate Forecast Uncertainties in Distribution Systems Using the Temporal Flexibility of EVAs. IEEE Transactions on Power Systems, 2020, 35, 2212-2221.	6.5	47
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	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
6	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
7	Application of two-stage robust optimization theory in power system scheduling under uncertainties: A review and perspective. Energy, 2022, 251, 123942.	8.8	29
8	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
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	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
11	Water-Energy Nexus Management for Power Systems. IEEE Transactions on Power Systems, 2021, 36, 2542-2554.	6.5	23
12	Volt-VAR-Pressure Optimization of Integrated Energy Systems With Hydrogen Injection. IEEE Transactions on Power Systems, 2021, 36, 2403-2415.	6.5	17
13	Two-stage robust distribution system operation by coordinating electric vehicle aggregator charging and load curtailments. Energy, 2021, 226, 120345.	8.8	17
14	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
15	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
16	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
17	Distributed Coordinated Management for Multiple Distributed Energy Resources Optimal Operation with Security Constrains. , 2019, , .		1