

Xiaping Zhang

List of Publications by Year in descending order

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14
papers

1,932
citations

840776

11
h-index

1281871

11
g-index

14
all docs

14
docs citations

14
times ranked

1500
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Expansion Planning of Energy Hub With Multiple Energy Infrastructures. IEEE Transactions on Smart Grid, 2015, 6, 2302-2311.	9.0	413
2	Coordination of Interdependent Natural Gas and Electricity Infrastructures for Firming the Variability of Wind Energy in Stochastic Day-Ahead Scheduling. IEEE Transactions on Sustainable Energy, 2015, 6, 606-615.	8.8	271
3	Hourly Electricity Demand Response in the Stochastic Day-Ahead Scheduling of Coordinated Electricity and Natural Gas Networks. IEEE Transactions on Power Systems, 2016, 31, 592-601.	6.5	255
4	Optimal Interconnection Planning of Community Microgrids With Renewable Energy Sources. IEEE Transactions on Smart Grid, 2017, 8, 1054-1063.	9.0	214
5	Reliability-Based Optimal Planning of Electricity and Natural Gas Interconnections for Multiple Energy Hubs. IEEE Transactions on Smart Grid, 2017, 8, 1658-1667.	9.0	149
6	Electricity-Natural Gas Operation Planning With Hourly Demand Response for Deployment of Flexible Ramp. IEEE Transactions on Sustainable Energy, 2016, 7, 996-1004.	8.8	140
7	Security-Constrained Co-Optimization Planning of Electricity and Natural Gas Transportation Infrastructures. IEEE Transactions on Power Systems, 2015, 30, 2984-2993.	6.5	132
8	Stochastic Security-Constrained Scheduling of Coordinated Electricity and Natural Gas Infrastructures. IEEE Systems Journal, 2017, 11, 1674-1683.	4.6	122
9	Distributionally Robust Scheduling of Integrated Gas-Electricity Systems With Demand Response. IEEE Transactions on Power Systems, 2019, 34, 3791-3803.	6.5	91
10	Optimal Planning of Loop-Based Microgrid Topology. IEEE Transactions on Smart Grid, 2017, 8, 1771-1781.	9.0	80
11	Coordination of Interdependent Electricity Grid and Natural Gas Network—a Review. Current Sustainable/Renewable Energy Reports, 2018, 5, 23-36.	2.6	46
12	Resilience enhancement with DC microgrids. , 2015, , .		10
13	Communication-assisted hierarchical protection strategy for high-reliability microgrids. , 2015, , .		5
14	Impact of natural gas system on short-term scheduling with volatile renewable energy. , 2015, , .		4