

Sleiman Mhanna

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

568
citations

933447

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1199594

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18
docs citations

18
times ranked

616
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards a transactive energy system for integration of distributed energy resources: Home energy management, distributed optimal power flow, and peer-to-peer energy trading. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 132, 110000.	16.4	144
2	A Fast Distributed Algorithm for Large-Scale Demand Response Aggregation. <i>IEEE Transactions on Smart Grid</i> , 2016, 7, 2094-2107.	9.0	97
3	Adaptive ADMM for Distributed AC Optimal Power Flow. <i>IEEE Transactions on Power Systems</i> , 2019, 34, 2025-2035.	6.5	77
4	A Faithful Distributed Mechanism for Demand Response Aggregation. <i>IEEE Transactions on Smart Grid</i> , 2016, 7, 1743-1753.	9.0	47
5	Fair coordination of distributed energy resources with Volt-Var control and PV curtailment. <i>Applied Energy</i> , 2021, 286, 116546.	10.1	44
6	Integrated electricity and gas system modelling with hydrogen injections and gas composition tracking. <i>Applied Energy</i> , 2021, 303, 117598.	10.1	33
7	An Exact Sequential Linear Programming Algorithm for the Optimal Power Flow Problem. <i>IEEE Transactions on Power Systems</i> , 2022, 37, 666-679.	6.5	26
8	Component-based dual decomposition methods for the OPF problem. <i>Sustainable Energy, Grids and Networks</i> , 2018, 16, 91-110.	3.9	22
9	A Faithful and Tractable Distributed Mechanism for Residential Electricity Pricing. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 4238-4252.	6.5	16
10	A Distributed Algorithm for Demand Response With Mixed-Integer Variables. <i>IEEE Transactions on Smart Grid</i> , 2016, 7, 1754-1755.	9.0	15
11	Towards a realistic implementation of mechanism design in demand response aggregation. , 2014, , .		11
12	Tight LP approximations for the optimal power flow problem. , 2016, , .		9
13	Iterative LP-Based Methods for the Multiperiod Optimal Electricity and Gas Flow Problem. <i>IEEE Transactions on Power Systems</i> , 2022, 37, 153-166.	6.5	9
14	Coordinated operation of electricity and gas-hydrogen systems with transient gas flow and hydrogen concentration tracking. <i>Electric Power Systems Research</i> , 2022, 211, 108499.	3.6	7
15	Practical Considerations of DER Coordination with Distributed Optimal Power Flow. , 2020, , .		6
16	Optimal HVAC scheduling using phase-change material as a demand response resource. , 2017, , .		3
17	Guidelines for realistic grounding of mechanism design in demand response. , 2014, , .		2
18	Energizing Demand Side Participation. , 2019, , 115-181.		0