Ahmed Alabdulwahab

List of Publications by Year
in descending order

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30 papers	3,432 citations	236925 25 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	2934 citing authors

#	Article	IF	Citations
1	Optimal Transactive Energy Trading of Electric Vehicle Charging Stations With On-Site PV Generation in Constrained Power Distribution Networks. IEEE Transactions on Smart Grid, 2022, 13, 1427-1440.	9.0	31
2	Personalized Route Planning System Based on Driver Preference. Sensors, 2022, 22, 11.	3.8	15
3	Distribution Network-Constrained Optimization of Peer-to-Peer Transactive Energy Trading Among Multi-Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 1033-1047.	9.0	127
4	Blockchain for Transacting Energy and Carbon Allowance in Networked Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 4702-4714.	9.0	77
5	Distribution System Resilience in Ice Storms by Optimal Routing of Mobile Devices on Congested Roads. IEEE Transactions on Smart Grid, 2021, 12, 1314-1328.	9.0	34
6	Cross-Layer Distributed Control Strategy for Cyber Resilient Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 3705-3717.	9.0	31
7	A Convex Three-Stage SCOPF Approach to Power System Flexibility With Unified Power Flow Controllers. IEEE Transactions on Power Systems, 2021, 36, 1947-1960.	6.5	24
8	Statistics-Based Outlier Detection and Correction Method for Amazon Customer Reviews. Entropy, 2021, 23, 1645.	2.2	7
9	Compartmentalization Strategy for the Optimal Economic Operation of a Hybrid AC/DC Microgrid. IEEE Transactions on Power Systems, 2020, 35, 1294-1304.	6.5	37
10	Flexible Division and Unification Control Strategies for Resilience Enhancement in Networked Microgrids. IEEE Transactions on Power Systems, 2020, 35, 474-486.	6.5	58
11	Distributed Secondary Control for Islanded Microgrids With Mobile Emergency Resources. IEEE Transactions on Power Systems, 2020, 35, 1389-1399.	6.5	44
12	Unification Scheme for Managing Master Controller Failures in Networked Microgrids. IEEE Transactions on Power Systems, 2020, 35, 3004-3014.	6.5	13
13	Optimal Consensus-Based Distributed Control Strategy for Coordinated Operation of Networked Microgrids. IEEE Transactions on Power Systems, 2020, 35, 2452-2462.	6.5	69
14	The Proliferation of Solar Photovoltaics: Their Impact on Widespread Deployment of Electric Vehicles. IEEE Electrification Magazine, 2020, 8, 79-91.	1.8	7
15	Distributed Control and Communication Strategies in Networked Microgrids. IEEE Communications Surveys and Tutorials, 2020, 22, 2586-2633.	39.4	152
16	A Cyber-Attack Resilient Distributed Control Strategy in Islanded Microgrids. IEEE Transactions on Smart Grid, 2020, 11, 3690-3701.	9.0	111
17	Privacy-Preserving Distributed Control Strategy for Optimal Economic Operation in Islanded Reconfigurable Microgrids. IEEE Transactions on Power Systems, 2020, 35, 3847-3856.	6.5	32
18	Minimax-Regret Robust Defensive Strategy Against False Data Injection Attacks. IEEE Transactions on Smart Grid, 2019, 10, 2068-2079.	9.0	39

#	Article	IF	Citations
19	Analyzing Locally Coordinated Cyber-Physical Attacks for Undetectable Line Outages. IEEE Transactions on Smart Grid, 2018, 9, 35-47.	9.0	71
20	Optimal Planning of Loop-Based Microgrid Topology. IEEE Transactions on Smart Grid, 2017, 8, 1771-1781.	9.0	80
21	Optimal Interconnection Planning of Community Microgrids With Renewable Energy Sources. IEEE Transactions on Smart Grid, 2017, 8, 1054-1063.	9.0	214
22	Networked Microgrids for Enhancing the Power System Resilience. Proceedings of the IEEE, 2017, 105, 1289-1310.	21.3	422
23	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
24	A Game Theoretic Approach to Risk-Based Optimal Bidding Strategies for Electric Vehicle Aggregators in Electricity Markets With Variable Wind Energy Resources. IEEE Transactions on Sustainable Energy, 2016, 7, 374-385.	8.8	172
25	Bilevel Model for Analyzing Coordinated Cyber-Physical Attacks on Power Systems. IEEE Transactions on Smart Grid, 2016, 7, 2260-2272.	9.0	185
26	Demand Response Exchange in the Stochastic Day-Ahead Scheduling With Variable Renewable Generation. IEEE Transactions on Sustainable Energy, 2015, 6, 516-525.	8.8	192
27	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
28	Lexicographic Multiobjective Integer Programming for Optimal and Structurally Minimal Petri Net Supervisors of Automated Manufacturing Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 1459-1470.	9.3	31
29	Optimal Expansion Planning of Energy Hub With Multiple Energy Infrastructures. IEEE Transactions on Smart Grid, 2015, 6, 2302-2311.	9.0	413
30	Hierarchical Coordination of a Community Microgrid With AC and DC Microgrids. IEEE Transactions on Smart Grid, 2015, 6, 3042-3051.	9.0	333