

Ahmed Alabdulwahab

List of Publications by Year in descending order

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30
papers

3,432
citations

236925

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454955

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all docs

30
docs citations

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times ranked

2934
citing authors

#	ARTICLE	IF	CITATIONS
1	Networked Microgrids for Enhancing the Power System Resilience. Proceedings of the IEEE, 2017, 105, 1289-1310.	21.3	422
2	Optimal Expansion Planning of Energy Hub With Multiple Energy Infrastructures. IEEE Transactions on Smart Grid, 2015, 6, 2302-2311.	9.0	413
3	Hierarchical Coordination of a Community Microgrid With AC and DC Microgrids. IEEE Transactions on Smart Grid, 2015, 6, 3042-3051.	9.0	333
4	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
5	Optimal Interconnection Planning of Community Microgrids With Renewable Energy Sources. IEEE Transactions on Smart Grid, 2017, 8, 1054-1063.	9.0	214
6	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
7	Bilevel Model for Analyzing Coordinated Cyber-Physical Attacks on Power Systems. IEEE Transactions on Smart Grid, 2016, 7, 2260-2272.	9.0	185
8	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
9	Distributed Control and Communication Strategies in Networked Microgrids. IEEE Communications Surveys and Tutorials, 2020, 22, 2586-2633.	39.4	152
10	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
11	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
12	A Cyber-Attack Resilient Distributed Control Strategy in Islanded Microgrids. IEEE Transactions on Smart Grid, 2020, 11, 3690-3701.	9.0	111
13	Optimal Planning of Loop-Based Microgrid Topology. IEEE Transactions on Smart Grid, 2017, 8, 1771-1781.	9.0	80
14	Blockchain for Transacting Energy and Carbon Allowance in Networked Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 4702-4714.	9.0	77
15	Analyzing Locally Coordinated Cyber-Physical Attacks for Undetectable Line Outages. IEEE Transactions on Smart Grid, 2018, 9, 35-47.	9.0	71
16	Optimal Consensus-Based Distributed Control Strategy for Coordinated Operation of Networked Microgrids. IEEE Transactions on Power Systems, 2020, 35, 2452-2462.	6.5	69
17	Flexible Division and Unification Control Strategies for Resilience Enhancement in Networked Microgrids. IEEE Transactions on Power Systems, 2020, 35, 474-486.	6.5	58
18	Distributed Secondary Control for Islanded Microgrids With Mobile Emergency Resources. IEEE Transactions on Power Systems, 2020, 35, 1389-1399.	6.5	44

#	ARTICLE	IF	CITATIONS
19	Minimax-Regret Robust Defensive Strategy Against False Data Injection Attacks. IEEE Transactions on Smart Grid, 2019, 10, 2068-2079.	9.0	39
20	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
21	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
22	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
23	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
24	Cross-Layer Distributed Control Strategy for Cyber Resilient Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 3705-3717.	9.0	31
25	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
26	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
27	Personalized Route Planning System Based on Driver Preference. Sensors, 2022, 22, 11.	3.8	15
28	Unification Scheme for Managing Master Controller Failures in Networked Microgrids. IEEE Transactions on Power Systems, 2020, 35, 3004-3014.	6.5	13
29	The Proliferation of Solar Photovoltaics: Their Impact on Widespread Deployment of Electric Vehicles. IEEE Electrification Magazine, 2020, 8, 79-91.	1.8	7
30	Statistics-Based Outlier Detection and Correction Method for Amazon Customer Reviews. Entropy, 2021, 23, 1645.	2.2	7