

Hany E Z Farag

List of Publications by Year in descending order

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42
papers

1,129
citations

535685

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488211

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docs citations

42
times ranked

1085
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of Islanded Droop-Based Microgrids With Optimum Loadability. IEEE Transactions on Power Systems, 2022, 37, 1564-1576.	4.6	10
2	Adaptive Optimal Management of EV Battery Distributed Energy for Concurrent Services to Transportation and Power Grid in a Fleet System Under Dynamic Service Pricing. IEEE Transactions on Industrial Informatics, 2022, 18, 1618-1628.	7.2	1
3	Decentralized Quality of Service Based System for Energy Trading Among Electric Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6586-6595.	4.7	17
4	Optimization Model for EV Charging Stations With PV Farm Transactive Energy. IEEE Transactions on Industrial Informatics, 2022, 18, 4608-4621.	7.2	30
5	Novel Analytical Approach for Parameters Identification of PEM Electrolyzer. IEEE Transactions on Industrial Informatics, 2022, 18, 5870-5881.	7.2	19
6	A Systematic Approach for Design and Analysis of Electrified Public Bus Transit Fleets. IEEE Systems Journal, 2022, 16, 2989-3000.	2.9	7
7	Novel Electric Bus Energy Consumption Model Based on Probabilistic Synthetic Speed Profile Integrated With HVAC. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1517-1531.	4.7	20
8	Operational and Economic Feasibility Area Estimation for Peer-to-Peer Consortium of Storage Systems in a Blockchain Framework. IEEE Systems Journal, 2021, 15, 423-434.	2.9	4
9	On the Resiliency of Power and Gas Integration Resources Against Cyber Attacks. IEEE Transactions on Industrial Informatics, 2021, 17, 3099-3110.	7.2	26
10	Energy Management System for Minimizing Hydrogen Production Cost Using Integrated Battery Energy Storage and Photovoltaic Systems. , 2021, , .		3
11	Optimal Design of Battery Swapping-Based Electrified Public Bus Transit Systems. IEEE Transactions on Transportation Electrification, 2021, 7, 2390-2401.	5.3	17
12	A Permissioned Blockchain System to Reduce Peak Demand in Residential Communities via Energy Trading: A Real-World Case Study. IEEE Access, 2021, 9, 5517-5530.	2.6	21
13	Dynamic Transitional Droops for Seamless Line-Switching in Islanded Microgrids. IEEE Transactions on Power Systems, 2021, 36, 5590-5601.	4.6	7
14	Supervisory Scheduling of Storage-Based Hydrogen Fueling Stations for Transportation Sector and Distributed Operating Reserve in Electricity Markets. IEEE Transactions on Industrial Informatics, 2020, 16, 1529-1538.	7.2	69
15	Optimal Sizing and Scheduling of LOHC-Based Generation and Storage Plants for Concurrent Services to Transportation Sector and Ancillary Services Market. IEEE Transactions on Sustainable Energy, 2020, 11, 1381-1393.	5.9	23
16	Integrated Utility-Transit Model for Optimal Configuration of Battery Electric Bus Systems. IEEE Systems Journal, 2020, 14, 738-748.	2.9	35
17	Energy Consumption Model for Indoor Cannabis Cultivation Facility. IEEE Open Access Journal of Power and Energy, 2020, 7, 222-233.	2.5	3
18	Cyber-physical attacks on power distribution systems. IET Cyber-Physical Systems: Theory and Applications, 2020, 5, 218-225.	1.9	21

#	ARTICLE	IF	CITATIONS
19	Optimal Design of Islanded Microgrids Considering Distributed Dynamic State Estimation. IEEE Transactions on Industrial Informatics, 2020, , 1-1.	7.2	4
20	Power Restoration in Integrated Power and Gas Distribution Grids. , 2020, , .		0
21	Hydrogen Storage Optimal Scheduling for Fuel Supply and Capacity-Based Demand Response Program Under Dynamic Hydrogen Pricing. IEEE Transactions on Smart Grid, 2019, 10, 4531-4542.	6.2	134
22	An Online-Calibrated Time Series Based Model for Day-Ahead Natural Gas Demand Forecasting. IEEE Transactions on Industrial Informatics, 2019, 15, 2112-2123.	7.2	16
23	Power Congestion Management in Integrated Electricity and Gas Distribution Grids. IEEE Systems Journal, 2019, 13, 1883-1894.	2.9	20
24	Analytical Size Estimation Methodologies for Electrified Transportation Fueling Infrastructures Using Publicâ€œDomain Market Data. IEEE Transactions on Transportation Electrification, 2019, 5, 840-851.	5.3	15
25	Incorporation of Battery Electric Buses in the Operation of Intercity Bus Services. , 2019, , .		6
26	Design and Field Implementation of Blockchain Based Renewable Energy Trading in Residential Communities. , 2019, , .		28
27	Power Loss Alleviation in Integrated Power and Natural Gas Distribution Grids. IEEE Transactions on Industrial Informatics, 2019, 15, 6220-6230.	7.2	10
28	Joint Arbitrage and Operating Reserve Scheduling of Energy Storage Through Optimal Adaptive Allocation of the State of Charge. IEEE Transactions on Sustainable Energy, 2019, 10, 1705-1717.	5.9	17
29	Design and Field Implementation of a Multi-Agent System for Voltage Regulation Using Smart Inverters and Data Distribution Service (DDS). , 2018, , .		7
30	Detection of false data injection attacks in smart grids using Recurrent Neural Networks. , 2018, , .		63
31	Optimal design of charging stations for electrified transit networks. , 2017, , .		20
32	Simulation of electric buses on a full transit network: Operational feasibility and grid impact analysis. Electric Power Systems Research, 2017, 142, 163-175.	2.1	122
33	Dynamic threshold algorithm with simplified appliance identification for smart meter privacy. , 2016, , .		0
34	An Enhanced Supervisory Control for Islanded Microgrid Systems. IEEE Transactions on Smart Grid, 2016, 7, 1941-1943.	6.2	8
35	Voltage Regulation in Islanded Microgrids Using Distributed Constraint Satisfaction. IEEE Transactions on Smart Grid, 2016, , 1-1.	6.2	12
36	Optimum Reconfiguration of Droop-Controlled Islanded Microgrids. IEEE Transactions on Power Systems, 2016, 31, 2144-2153.	4.6	78

#	ARTICLE	IF	CITATIONS
37	Optimum planning of renewable energy resources in conjunction with battery energy storage systems. , 2015, , .		3
38	A Novel Multiagent Control Scheme for Voltage Regulation in DC Distribution Systems. IEEE Transactions on Sustainable Energy, 2015, 6, 534-545.	5.9	30
39	Nonlinear, reduced order, distributed state estimation in microgrids. , 2015, , .		3
40	Optimum shunt capacitor placement in distribution networks with high penetration of renewable energy resources using genetic algorithms. , 2014, , .		6
41	Optimum Droop Parameter Settings of Islanded Microgrids With Renewable Energy Resources. IEEE Transactions on Sustainable Energy, 2014, 5, 434-445.	5.9	92
42	A Multistage Centralized Control Scheme for Islanded Microgrids With PEVs. IEEE Transactions on Sustainable Energy, 2014, 5, 927-937.	5.9	102