

Hany E Z Farag

List of Publications by Year in descending order

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42
papers

1,129
citations

471509

17
h-index

434195

31
g-index

42
all docs

42
docs citations

42
times ranked

967
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	9.0	134
2	Simulation of electric buses on a full transit network: Operational feasibility and grid impact analysis. Electric Power Systems Research, 2017, 142, 163-175.	3.6	122
3	A Multistage Centralized Control Scheme for Islanded Microgrids With PEVs. IEEE Transactions on Sustainable Energy, 2014, 5, 927-937.	8.8	102
4	Optimum Droop Parameter Settings of Islanded Microgrids With Renewable Energy Resources. IEEE Transactions on Sustainable Energy, 2014, 5, 434-445.	8.8	92
5	Optimum Reconfiguration of Droop-Controlled Islanded Microgrids. IEEE Transactions on Power Systems, 2016, 31, 2144-2153.	6.5	78
6	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.	11.3	69
7	Detection of false data injection attacks in smart grids using Recurrent Neural Networks. , 2018, , .		63
8	Integrated Utility-Transit Model for Optimal Configuration of Battery Electric Bus Systems. IEEE Systems Journal, 2020, 14, 738-748.	4.6	35
9	A Novel Multiagent Control Scheme for Voltage Regulation in DC Distribution Systems. IEEE Transactions on Sustainable Energy, 2015, 6, 534-545.	8.8	30
10	Optimization Model for EV Charging Stations With PV Farm Transactive Energy. IEEE Transactions on Industrial Informatics, 2022, 18, 4608-4621.	11.3	30
11	Design and Field Implementation of Blockchain Based Renewable Energy Trading in Residential Communities. , 2019, , .		28
12	On the Resiliency of Power and Gas Integration Resources Against Cyber Attacks. IEEE Transactions on Industrial Informatics, 2021, 17, 3099-3110.	11.3	26
13	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.	8.8	23
14	Cyber-physical attacks on power distribution systems. IET Cyber-Physical Systems: Theory and Applications, 2020, 5, 218-225.	3.3	21
15	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.	4.2	21
16	Optimal design of charging stations for electrified transit networks. , 2017, , .		20
17	Power Congestion Management in Integrated Electricity and Gas Distribution Grids. IEEE Systems Journal, 2019, 13, 1883-1894.	4.6	20
18	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.	8.0	20

#	ARTICLE	IF	CITATIONS
19	Novel Analytical Approach for Parameters Identification of PEM Electrolyzer. IEEE Transactions on Industrial Informatics, 2022, 18, 5870-5881.	11.3	19
20	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.	8.8	17
21	Optimal Design of Battery Swapping-Based Electrified Public Bus Transit Systems. IEEE Transactions on Transportation Electrification, 2021, 7, 2390-2401.	7.8	17
22	Decentralized Quality of Service Based System for Energy Trading Among Electric Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6586-6595.	8.0	17
23	An Online-Calibrated Time Series Based Model for Day-Ahead Natural Gas Demand Forecasting. IEEE Transactions on Industrial Informatics, 2019, 15, 2112-2123.	11.3	16
24	Analytical Size Estimation Methodologies for Electrified Transportation Fueling Infrastructures Using Public Domain Market Data. IEEE Transactions on Transportation Electrification, 2019, 5, 840-851.	7.8	15
25	Voltage Regulation in Islanded Microgrids Using Distributed Constraint Satisfaction. IEEE Transactions on Smart Grid, 2016, , 1-1.	9.0	12
26	Power Loss Alleviation in Integrated Power and Natural Gas Distribution Grids. IEEE Transactions on Industrial Informatics, 2019, 15, 6220-6230.	11.3	10
27	Formation of Islanded Droop-Based Microgrids With Optimum Loadability. IEEE Transactions on Power Systems, 2022, 37, 1564-1576.	6.5	10
28	An Enhanced Supervisory Control for Islanded Microgrid Systems. IEEE Transactions on Smart Grid, 2016, 7, 1941-1943.	9.0	8
29	Design and Field Implementation of a Multi-Agent System for Voltage Regulation Using Smart Inverters and Data Distribution Service (DDS). , 2018, , .		7
30	Dynamic Transitional Droops for Seamless Line-Switching in Islanded Microgrids. IEEE Transactions on Power Systems, 2021, 36, 5590-5601.	6.5	7
31	A Systematic Approach for Design and Analysis of Electrified Public Bus Transit Fleets. IEEE Systems Journal, 2022, 16, 2989-3000.	4.6	7
32	Optimum shunt capacitor placement in distribution networks with high penetration of renewable energy resources using genetic algorithms. , 2014, , .		6
33	Incorporation of Battery Electric Buses in the Operation of Intercity Bus Services. , 2019, , .		6
34	Optimal Design of Islanded Microgrids Considering Distributed Dynamic State Estimation. IEEE Transactions on Industrial Informatics, 2020, , 1-1.	11.3	4
35	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.	4.6	4
36	Optimum planning of renewable energy resources in conjunction with battery energy storage systems. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
37	Nonlinear, reduced order, distributed state estimation in microgrids. , 2015, , .		3
38	Energy Consumption Model for Indoor Cannabis Cultivation Facility. IEEE Open Access Journal of Power and Energy, 2020, 7, 222-233.	3.4	3
39	Energy Management System for Minimizing Hydrogen Production Cost Using Integrated Battery Energy Storage and Photovoltaic Systems. , 2021, , .		3
40	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.	11.3	1
41	Dynamic threshold algorithm with simplified appliance identification for smart meter privacy. , 2016, , .		0
42	Power Restoration in Integrated Power and Gas Distribution Grids. , 2020, , .		0