

Nader A El-Taweel

List of Publications by Year in descending order

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papers

756
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31
docs citations

31
times ranked

493
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	Optimal Energy Management of Hydrogen Energy Facility Using Integrated Battery Energy Storage and Solar Photovoltaic Systems. IEEE Transactions on Sustainable Energy, 2022, 13, 1457-1468.	8.8	86
4	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
5	Integrated Utility-Transit Model for Optimal Configuration of Battery Electric Bus Systems. IEEE Systems Journal, 2020, 14, 738-748.	4.6	35
6	Optimization Model for EV Charging Stations With PV Farm Transactive Energy. IEEE Transactions on Industrial Informatics, 2022, 18, 4608-4621.	11.3	30
7	Optimal operation management of distributed and centralized electrolysis-based hydrogen generation and storage systems. Electric Power Systems Research, 2020, 187, 106476.	3.6	28
8	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
9	Optimal design of charging stations for electrified transit networks. , 2017, , .		20
10	Power Congestion Management in Integrated Electricity and Gas Distribution Grids. IEEE Systems Journal, 2019, 13, 1883-1894.	4.6	20
11	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
12	An Output-Current-Dependent DC-Link Energy Regulation Scheme for a Family of Soft-Switched AC/DC Offline LED Drivers Without Electrolytic Capacitors. IEEE Transactions on Industrial Electronics, 2017, 64, 5838-5850.	7.9	19
13	Novel Analytical Approach for Parameters Identification of PEM Electrolyzer. IEEE Transactions on Industrial Informatics, 2022, 18, 5870-5881.	11.3	19
14	Optimal Design of Battery Swapping-Based Electrified Public Bus Transit Systems. IEEE Transactions on Transportation Electrification, 2021, 7, 2390-2401.	7.8	17
15	Real-time optimal management of reverse power flow in integrated power and gas distribution grids under large renewable power penetration. IET Generation, Transmission and Distribution, 2018, 12, 2325-2331.	2.5	16
16	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
17	Voltage regulation in active power distribution systems integrated with natural gas grids using distributed electric and gas energy resources. International Journal of Electrical Power and Energy Systems, 2019, 106, 561-571.	5.5	14
18	Voltage Regulation in Islanded Microgrids Using Distributed Constraint Satisfaction. IEEE Transactions on Smart Grid, 2016, , 1-1.	9.0	12

#	ARTICLE	IF	CITATIONS
19	Power Loss Alleviation in Integrated Power and Natural Gas Distribution Grids. IEEE Transactions on Industrial Informatics, 2019, 15, 6220-6230.	11.3	10
20	Operation challenges of feeder shunt capacitors in islanded microgrids. , 2015, , .		7
21	A distributed constraint satisfaction approach for reactive power sharing in microgrids. Electric Power Systems Research, 2017, 147, 42-54.	3.6	7
22	Design and Field Implementation of a Multi-Agent System for Voltage Regulation Using Smart Inverters and Data Distribution Service (DDS). , 2018, , .		7
23	A Systematic Approach for Design and Analysis of Electrified Public Bus Transit Fleets. IEEE Systems Journal, 2022, 16, 2989-3000.	4.6	7
24	Incorporation of Battery Electric Buses in the Operation of Intercity Bus Services. , 2019, , .		6
25	Optimal scheduling of bidirectional energy conversion units in energy and ancillary service markets for system restoration within MCEs. IET Renewable Power Generation, 2020, 14, 427-434.	3.1	4
26	Energy Management System for Minimizing Hydrogen Production Cost Using Integrated Battery Energy Storage and Photovoltaic Systems. , 2021, , .		3
27	A ZV-ZCS electrolytic capacitor-LessAC/DC isolated LED driver with continuous energy regulation. , 2016, , .		2
28	Integration of step voltage regulators in islanded microgrids. , 2017, , .		2
29	A Co-simulation platform for power and gas distribution networks. , 2017, , .		2
30	Reactive power sharing in islanded microgrids using distributed constraint satisfaction. , 2017, , .		0
31	Multi-agent coordination of distributed energy storage systems for mitigating renewable energy resources high ramp-rate issues. , 2017, , .		0