

# Nader A El-Taweel

## List of Publications by Year in descending order

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31  
papers

756  
citations

567281

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h-index

713466

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g-index

31  
all docs

31  
docs citations

31  
times ranked

493  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization Model for EV Charging Stations With PV Farm Transactive Energy. IEEE Transactions on Industrial Informatics, 2022, 18, 4608-4621.	11.3	30
2	Novel Analytical Approach for Parameters Identification of PEM Electrolyzer. IEEE Transactions on Industrial Informatics, 2022, 18, 5870-5881.	11.3	19
3	A Systematic Approach for Design and Analysis of Electrified Public Bus Transit Fleets. IEEE Systems Journal, 2022, 16, 2989-3000.	4.6	7
4	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
5	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
6	Energy Management System for Minimizing Hydrogen Production Cost Using Integrated Battery Energy Storage and Photovoltaic Systems. , 2021, , .		3
7	Optimal Design of Battery Swapping-Based Electrified Public Bus Transit Systems. IEEE Transactions on Transportation Electrification, 2021, 7, 2390-2401.	7.8	17
8	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
9	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
10	Integrated Utility-Transit Model for Optimal Configuration of Battery Electric Bus Systems. IEEE Systems Journal, 2020, 14, 738-748.	4.6	35
11	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
12	Optimal operation management of distributed and centralized electrolysis-based hydrogen generation and storage systems. Electric Power Systems Research, 2020, 187, 106476.	3.6	28
13	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
14	Power Congestion Management in Integrated Electricity and Gas Distribution Grids. IEEE Systems Journal, 2019, 13, 1883-1894.	4.6	20
15	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
16	Incorporation of Battery Electric Buses in the Operation of Intercity Bus Services. , 2019, , .		6
17	Power Loss Alleviation in Integrated Power and Natural Gas Distribution Grids. IEEE Transactions on Industrial Informatics, 2019, 15, 6220-6230.	11.3	10
18	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

#	ARTICLE	IF	CITATIONS
19	Design and Field Implementation of a Multi-Agent System for Voltage Regulation Using Smart Inverters and Data Distribution Service (DDS). , 2018, , .		7
20	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
21	A distributed constraint satisfaction approach for reactive power sharing in microgrids. Electric Power Systems Research, 2017, 147, 42-54.	3.6	7
22	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
23	Integration of step voltage regulators in islanded microgrids. , 2017, , .		2
24	Optimal design of charging stations for electrified transit networks. , 2017, , .		20
25	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
26	Reactive power sharing in islanded microgrids using distributed constraint satisfaction. , 2017, , .		0
27	Multi-agent coordination of distributed energy storage systems for mitigating renewable energy resources high ramp-rate issues. , 2017, , .		0
28	A Co-simulation platform for power and gas distribution networks. , 2017, , .		2
29	A ZV-ZCS electrolytic capacitor-Less AC/DC isolated LED driver with continuous energy regulation. , 2016, , .		2
30	Voltage Regulation in Islanded Microgrids Using Distributed Constraint Satisfaction. IEEE Transactions on Smart Grid, 2016, , 1-1.	9.0	12
31	Operation challenges of feeder shunt capacitors in islanded microgrids. , 2015, , .		7