Samy Faddel

List of Publications by Year
in descending order

38 papers	775 citations	687363 13 h-index	794594 19 g-index
38 all docs	38 docs citations	38 times ranked	810 citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling and Coordination of Commercial Buildings in Distribution Systems. IEEE Transactions on Industry Applications, 2022, 58, 1654-1663.	4.9	5
2	Fuzzy Optimization for Uncertain Power Market Operations. Power Systems, 2021, , 187-223.	0.5	0
3	Decentralized Management of Commercial HVAC Systems. Energies, 2021, 14, 3024.	3.1	5
4	Privacy-Based Coordination of Commercial Buildings in Distribution Systems. , 2021, , .		1
5	Decentralized Control Algorithm for the Hybrid Energy Storage of Shipboard Power System. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 720-731.	5.4	24
6	IoT-Based Digital Twin for Energy Cyber-Physical Systems: Design and Implementation. Energies, 2020, 13, 4762.	3.1	63
7	On the Implementation of IoT-Based Digital Twin for Networked Microgrids Resiliency Against Cyber Attacks. IEEE Transactions on Smart Grid, 2020, 11, 5138-5150.	9.0	108
8	Optimal Coordination of HVAC Scheduling for Commercial Buildings. , 2020, , .		4
9	Coordination of Hybrid Energy Storage for Ship Power Systems With Pulsed Loads. IEEE Transactions on Industry Applications, 2020, 56, 1136-1145.	4.9	34
10	Data Driven Q-Learning for Commercial HVAC Control. , 2020, , .		3
11	Probabilistic Power Consumption Modeling for Commercial Buildings Using Logistic Regression Markov Chain. , 2020, , .		0
12	On the Performance of Data-Driven Reinforcement Learning for Commercial HVAC Control. , 2020, , .		5
13	Automated Distributed Electric Vehicle Controller for Residential Demand Side Management. IEEE Transactions on Industry Applications, 2019, 55, 16-25.	4.9	52
14	Co-Simulation of Improved AIMD Algorithm for Decentralized Charging of Electric Vehicles. , 2019, , .		0
15	Coordinated Control Scheme for Electric Vehicles Connected to Droop-Controlled MicroGrids. , 2019, , .		6
16	Experimental Verification of the Effect of Uncoordinated Charging of Electric Vehicles on Power Grids. , 2019, , .		6
17	Small-signal model predictive control based resilient energy storage management strategy for all electric ship MVDC voltage stabilization. Journal of Energy Storage, 2019, 21, 370-382.	8.1	14
18	A secured distributed control system for future interconnected smart grids. Applied Energy, 2019, 243, 57-70.	10.1	26

#	Article	IF	Citations
19	A Framework for Analyzing and Testing Cyber–Physical Interactions for Smart Grid Applications. Electronics (Switzerland), 2019, 8, 1455.	3.1	6
20	Intelligent Power Management for the Hybrid Energy Storage of the Ship Power System. , 2019, , .		1
21	Bilayer Multi-Objective Optimal Allocation and Sizing of Electric Vehicle Parking Garage. IEEE Transactions on Industry Applications, 2018, 54, 1992-2001.	4.9	30
22	Decentralized Energy Management of Hybrid Energy Storage on MVDC Shipboard Power System. , 2018, , .		7
23	Decentralized Controller for Energy Storage Management on MVDC Ship Power System with Pulsed Loads. , 2018, , .		9
24	Physical-Model-Checking to Detect Switching-Related Attacks in Power Systems. Sensors, 2018, 18, 2478.	3.8	5
25	Intelligent Control Framework for Energy Storage Management on MVDC Ship Power System. , 2018, , .		5
26	A Non-Discriminatory Autonomous Controller for EV Charging in Microgrids. , 2018, , .		0
27	An Automated Charger for Large-Scale Adoption of Electric Vehicles. IEEE Transactions on Transportation Electrification, 2018, 4, 971-984.	7.8	12
28	Charge Control and Operation of Electric Vehicles in Power Grids: A Review. Energies, 2018, 11, 701.	3.1	46
29	Ancillary Services Bidding for Uncertain Bidirectional V2G Using Fuzzy Linear Programming. Energy, 2018, 160, 986-995.	8.8	35
30	Multi-Objective Optimization Technique for the Operation of Grid tied PV Powered EV Charging Station. Electric Power Systems Research, 2018, 164, 201-211.	3.6	80
31	Fuzzy Optimization for the Operation of Electric Vehicle Parking Lots. Electric Power Systems Research, 2017, 145, 166-174.	3.6	63
32	Fuzzy logic-based autonomous controller for electric vehicles charging under different conditions in residential distribution systems. Electric Power Systems Research, 2017, 148, 48-58.	3.6	40
33	Automated distributed electric vehicle controller for residential demand side management. , 2017, , .		7
34	An artificially intelligent physical model-checking approach to detect switching-related attacks on power systems. , 2017, , .		4
35	Linear autonomous control of electric vehicles charging in distribution systems. , 2017, , .		2
36	Bi-layer multi-objective optimal allocation and sizing of electric vehicle parking garage. , 2017, , .		5

#	Article	IF	Citations
37	Real time digital simulation of voltage-based controller for electric vehicle charging. , 2016, , .		7
38	A Voltage-Based Controller for an Electric-Vehicle Charger. IEEE Transactions on Vehicular Technology, 2016, 65, 4185-4196.	6.3	55