

Samy Faddel

List of Publications by Year in descending order

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38
papers

775
citations

686830

13
h-index

794141

19
g-index

38
all docs

38
docs citations

38
times ranked

810
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Implementation of IoT-Based Digital Twin for Networked Microgrids Resiliency Against Cyber Attacks. IEEE Transactions on Smart Grid, 2020, 11, 5138-5150.	6.2	108
2	Multi-Objective Optimization Technique for the Operation of Grid tied PV Powered EV Charging Station. Electric Power Systems Research, 2018, 164, 201-211.	2.1	80
3	Fuzzy Optimization for the Operation of Electric Vehicle Parking Lots. Electric Power Systems Research, 2017, 145, 166-174.	2.1	63
4	IoT-Based Digital Twin for Energy Cyber-Physical Systems: Design and Implementation. Energies, 2020, 13, 4762.	1.6	63
5	A Voltage-Based Controller for an Electric-Vehicle Charger. IEEE Transactions on Vehicular Technology, 2016, 65, 4185-4196.	3.9	55
6	Automated Distributed Electric Vehicle Controller for Residential Demand Side Management. IEEE Transactions on Industry Applications, 2019, 55, 16-25.	3.3	52
7	Charge Control and Operation of Electric Vehicles in Power Grids: A Review. Energies, 2018, 11, 701.	1.6	46
8	Fuzzy logic-based autonomous controller for electric vehicles charging under different conditions in residential distribution systems. Electric Power Systems Research, 2017, 148, 48-58.	2.1	40
9	Ancillary Services Bidding for Uncertain Bidirectional V2G Using Fuzzy Linear Programming. Energy, 2018, 160, 986-995.	4.5	35
10	Coordination of Hybrid Energy Storage for Ship Power Systems With Pulsed Loads. IEEE Transactions on Industry Applications, 2020, 56, 1136-1145.	3.3	34
11	Bilayer Multi-Objective Optimal Allocation and Sizing of Electric Vehicle Parking Garage. IEEE Transactions on Industry Applications, 2018, 54, 1992-2001.	3.3	30
12	A secured distributed control system for future interconnected smart grids. Applied Energy, 2019, 243, 57-70.	5.1	26
13	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.	3.7	24
14	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.	3.9	14
15	An Automated Charger for Large-Scale Adoption of Electric Vehicles. IEEE Transactions on Transportation Electrification, 2018, 4, 971-984.	5.3	12
16	Decentralized Controller for Energy Storage Management on MVDC Ship Power System with Pulsed Loads. , 2018, , .		9
17	Real time digital simulation of voltage-based controller for electric vehicle charging. , 2016, , .		7
18	Automated distributed electric vehicle controller for residential demand side management. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
19	Decentralized Energy Management of Hybrid Energy Storage on MVDC Shipboard Power System. , 2018, , .		7
20	Coordinated Control Scheme for Electric Vehicles Connected to Droop-Controlled MicroGrids. , 2019, , .		6
21	Experimental Verification of the Effect of Uncoordinated Charging of Electric Vehicles on Power Grids. , 2019, , .		6
22	A Framework for Analyzing and Testing Cyber-Physical Interactions for Smart Grid Applications. Electronics (Switzerland), 2019, 8, 1455.	1.8	6
23	Bi-layer multi-objective optimal allocation and sizing of electric vehicle parking garage. , 2017, , .		5
24	Physical-Model-Checking to Detect Switching-Related Attacks in Power Systems. Sensors, 2018, 18, 2478.	2.1	5
25	Intelligent Control Framework for Energy Storage Management on MVDC Ship Power System. , 2018, , .		5
26	Decentralized Management of Commercial HVAC Systems. Energies, 2021, 14, 3024.	1.6	5
27	On the Performance of Data-Driven Reinforcement Learning for Commercial HVAC Control. , 2020, , .		5
28	Modeling and Coordination of Commercial Buildings in Distribution Systems. IEEE Transactions on Industry Applications, 2022, 58, 1654-1663.	3.3	5
29	An artificially intelligent physical model-checking approach to detect switching-related attacks on power systems. , 2017, , .		4
30	Optimal Coordination of HVAC Scheduling for Commercial Buildings. , 2020, , .		4
31	Data Driven Q-Learning for Commercial HVAC Control. , 2020, , .		3
32	Linear autonomous control of electric vehicles charging in distribution systems. , 2017, , .		2
33	Intelligent Power Management for the Hybrid Energy Storage of the Ship Power System. , 2019, , .		1
34	Privacy-Based Coordination of Commercial Buildings in Distribution Systems. , 2021, , .		1
35	A Non-Discriminatory Autonomous Controller for EV Charging in Microgrids. , 2018, , .		0
36	Co-Simulation of Improved AIMD Algorithm for Decentralized Charging of Electric Vehicles. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
37	Fuzzy Optimization for Uncertain Power Market Operations. Power Systems, 2021, , 187-223.	0.3	0
38	Probabilistic Power Consumption Modeling for Commercial Buildings Using Logistic Regression Markov Chain. , 2020, , .		0