

Mostafa Algabalawy

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

291
citations

1039406

9
h-index

940134

16
g-index

27
all docs

27
docs citations

27
times ranked

161
citing authors

#	ARTICLE	IF	CITATIONS
1	State of charge estimation of a Li-ion battery based on extended Kalman filtering and sensor bias. International Journal of Energy Research, 2021, 45, 6708-6726.	2.2	73
2	Multi-Objective Environmental Economic Dispatch of an Electricity System Considering Integrated Natural Gas Units and Variable Renewable Energy Sources. Mathematics, 2020, 8, 1100.	1.1	28
3	Lithium-Ion Battery Modeling Including Degradation Based on Single-Particle Approximations. Batteries, 2020, 6, 37.	2.1	28
4	Reliable and Robust Observer for Simultaneously Estimating State-of-Charge and State-of-Health of LiFePO4 Batteries. Applied Sciences (Switzerland), 2021, 11, 3609.	1.3	27
5	Probabilistic forecasting for energy time series considering uncertainties based on deep learning algorithms. Electric Power Systems Research, 2021, 196, 107216.	2.1	22
6	Temperature prediction for electric vehicles of permanent magnet synchronous motor using robust machine learning tools. Journal of Ambient Intelligence and Humanized Computing, 2024, 15, 243-260.	3.3	16
7	Model predictive control for a basic adaptive cruise control. International Journal of Dynamics and Control, 2021, 9, 1132-1143.	1.5	15
8	Modeling of the KOH-Polarization cells for mitigating the induced AC voltage in the metallic pipelines. Heliyon, 2020, 6, e03417.	1.4	8
9	Reinforcement learning for the optimization of electric vehicle virtual power plants. International Transactions on Electrical Energy Systems, 2021, 31, e12951.	1.2	8
10	Deep analysis of the influence of the different power system structures on the performance of the energy storage systems. International Journal of Energy Research, 2021, 45, 17805-17833.	2.2	5
11	Implementation of different intelligent controllers for mitigating the AC corrosion of metallic pipelines considering all HVOHTLs operation conditions. ISA Transactions, 2021, 117, 251-273.	3.1	5
12	Mitigation of electrical hazards on the metallic pipelines due to the HVOHTLs based on different intelligent controllers. IET Science, Measurement and Technology, 2020, 14, 1077-1087.	0.9	5
13	A Hybrid MPC for Constrained Deep Reinforcement Learning applied for Planar Robotic Arm. ISA Transactions, 2021, , .	3.1	4
14	Design of hybrid power generation systems connected to utility grid and natural gas distribution network. Engineering Review, 2018, 38, 204-214.	0.2	3
15	Design of distributed fuzzy logic controllers for controlling the AC corrosion in the metallic pipelines due to the OHTLs. Egyptian Journal of Petroleum, 2020, 29, 235-241.	1.2	3
16	Mitigation of AC induced voltage on the metallic pipeline based-on the optimal design of KOH-Polarization cells. Electric Power Systems Research, 2021, 194, 107081.	2.1	3
17	Screening of the high voltage overhead transmission lines impacts on the neighboring metallic gas pipelines based on the distributed KOH-PCs. Egyptian Journal of Petroleum, 2021, 30, 45-53.	1.2	3
18	Cuckoo search algorithm based for tuning both PI and FOPID controllers for the DFIG-Wind energy conversion system. International Journal of Electrical and Computer Engineering, 2020, 10, 6319.	0.5	3

#	ARTICLE	IF	CITATIONS
19	Optimization of Voltage Source Inverter's Controllers Using Salp Swarm Algorithm in Grid Connected Photovoltaic System. , 2019, , .		2
20	Path planning of robotic arm based on deep reinforcement learning algorithm. Advanced Control for Applications, 2022, 4, .	0.8	2
21	Overhead transmission lines impacts on neighboring buried metallic gas pipelines. Electrical Engineering, 0, , 1.	1.2	1
22	Optimizing the convolutional network layers using the Viola's Jones framework and ternary weight networks. International Journal of Intelligent Systems, 2021, 36, 4237-4279.	3.3	0