

Maher Chaabene

List of Publications by Year in descending order

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41
papers

652
citations

687363

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42
all docs

42
docs citations

42
times ranked

677
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Hybrid Petri Nets for the Energy Dispatching of an Isolated Micro-Grid. International Journal of Applied Metaheuristic Computing, 2020, 11, 61-72.	0.7	0
2	Dynamic forecasting-based load control of an autonomous photovoltaic installation. Computers and Electrical Engineering, 2020, 85, 106674.	4.8	3
3	Novel configuration and optimum energy flow management of a grid-connected photovoltaic battery installation. Computers and Electrical Engineering, 2020, 85, 106677.	4.8	8
4	Scenarios-based energy dispatching of PVG/Battery/Grid-connected installation. , 2019, , .		0
5	Hybrid Petri Net scheduling model of household appliances for optimal renewable energy dispatching. Sustainable Cities and Society, 2019, 45, 151-158.	10.4	8
6	Optimal sizing of a hybrid solar energy system using particle swarm optimization algorithm based on cost and pollution criteria. Environmental Progress and Sustainable Energy, 2019, 38, e13055.	2.3	6
7	Hybrid PV/Batteries Bank/Diesel Generator Solar-Renewable Energy System Design, Energy Management, and Economics. , 2018, , 257-294.		3
8	Energy scheduling strategy for a photovoltaic/batteries bank/diesel generator power supply system for an off-grid house. Journal of Renewable and Sustainable Energy, 2018, 10, 013502.	2.0	5
9	A review on home energy management systems. , 2018, , .		3
10	Operation scheduling of a household appliance for optimal energy dispatching. , 2018, , .		0
11	Efficient sizing and control algorithm for photovoltaic-direct water parallel pumping. , 2018, , .		0
12	Multi-criteria fuzzy algorithm for energy management of a standalone hybrid system. , 2017, , .		2
13	Photovoltaic thermal collectors: Reverse osmosis desalination system as an application. Applied Solar Energy (English Translation of Geliotekhnika), 2017, 53, 152-160.	1.6	14
14	PV/batteries sizing and energy dispatching using Continuous Petri Net. Applied Solar Energy (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.8	6
15	Wind potential assessment for an efficient wind farm sizing. Wind Engineering, 2017, 41, 369-382.	1.9	1
16	Energy dispatching strategy for micro-grid using hybrid Petri nets model. , 2017, , .		5
17	The effect of batteries DOD range setting values on diesel engine generator pollution and overall cost of a hybrid solar/diesel/battery system. , 2016, , .		7
18	Timed Hybrid Petri Net based modelling of a standalone PVPs/batteries system: Application to loads operation planning. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Evaluation of Maximum Power Point Tracking algorithm for off-grid photovoltaic pumping. Sustainable Cities and Society, 2016, 25, 65-73.	10.4	28
20	Modeling and cost analysis for different PV/battery/diesel operating options driving a load in Tunisia, Jordan and KSA. Sustainable Cities and Society, 2016, 25, 49-56.	10.4	26
21	Energy management for a stand-alone photovoltaic-wind system suitable for rural electrification. Sustainable Cities and Society, 2016, 25, 90-101.	10.4	33
22	Energy Management for Photovoltaic Irrigation with a Battery Bank. International Journal of Energy Optimization and Engineering, 2015, 4, 18-32.	0.6	11
23	Charcterisation of an off grid hybrid system: Modelling and simulation. , 2015, , .		1
24	MPPT techniques for a photovoltaic pumping system. , 2015, , .		4
25	Multi criteria sizing approach for Photovoltaic Thermal collectors supplying desalination plant. Energy Conversion and Management, 2015, 94, 365-376.	9.2	30
26	Energy management for a photovoltaic-wind system with non-controlable load. , 2015, , .		1
27	On fuzzy logic control of PV/T based reverse Osmosis desalination plant. , 2015, , .		3
28	Fuzzy Energy Management for Photovoltaic Water Pumping System. International Journal of Computer Applications, 2015, 110, 29-36.	0.2	6
29	Design of a PV/T based desalination plant: Concept and assessment. , 2014, , .		9
30	A fuzzy based energy management for a photovoltaic pumping plant for tomatoes irrigation. , 2014, , .		6
31	An algorithm for sizing photovoltaic pumping systems for tomatoes irrigation. , 2013, , .		17
32	Artificial Neural Network based control for PV/T panel to track optimum thermal and electrical power. Energy Conversion and Management, 2013, 65, 372-380.	9.2	67
33	Sizing optimization of a wind pumping plant: Case study in Sfax, Tunisia. Journal of Renewable and Sustainable Energy, 2012, 4, .	2.0	6
34	Dynamic model to follow the state of charge of a lead-acid battery connected to photovoltaic panel. Energy Conversion and Management, 2012, 64, 587-593.	9.2	22
35	Daily energy planning of a household photovoltaic panel. Applied Energy, 2010, 87, 2340-2351.	10.1	23
36	Energy management algorithm for an optimum control of a photovoltaic water pumping system. Applied Energy, 2009, 86, 2671-2680.	10.1	56

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37	Optimum energy management of a photovoltaic water pumping system. Energy Conversion and Management, 2009, 50, 2728-2731.	9.2	22
38	Multi-criteria fuzzy algorithm for energy management of a domestic photovoltaic panel. Renewable Energy, 2008, 33, 993-1001.	8.9	59
39	Neuro-fuzzy dynamic model with Kalman filter to forecast irradiance and temperature for solar energy systems. Renewable Energy, 2008, 33, 1435-1443.	8.9	77
40	Measurements based dynamic climate observer. Solar Energy, 2008, 82, 763-771.	6.1	24
41	Fuzzy approach for optimal energy-management of a domestic photovoltaic panel. Applied Energy, 2007, 84, 992-1001.	10.1	42