Maher Chaabene

List of Publications by Year
in descending order

41 papers	652 citations	687363 13 h-index	610901 24 g-index
42 all docs	42 docs citations	42 times ranked	677 citing authors

#	Article	IF	Citations
1	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
2	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
3	Multi-criteria fuzzy algorithm for energy management of a domestic photovoltaic panel. Renewable Energy, 2008, 33, 993-1001.	8.9	59
4	Energy management algorithm for an optimum control of a photovoltaic water pumping system. Applied Energy, 2009, 86, 2671-2680.	10.1	56
5	Fuzzy approach for optimal energy-management of a domestic photovoltaic panel. Applied Energy, 2007, 84, 992-1001.	10.1	42
6	Energy management for a stand-alone photovoltaic-wind system suitable for rural electrification. Sustainable Cities and Society, 2016, 25, 90-101.	10.4	33
7	Multi criteria sizing approach for Photovoltaic Thermal collectors supplying desalination plant. Energy Conversion and Management, 2015, 94, 365-376.	9.2	30
8	Evaluation of Maximum Power Point Tracking algorithm for off-grid photovoltaic pumping. Sustainable Cities and Society, 2016, 25, 65-73.	10.4	28
9	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
10	Measurements based dynamic climate observer. Solar Energy, 2008, 82, 763-771.	6.1	24
11	Daily energy planning of a household photovoltaic panel. Applied Energy, 2010, 87, 2340-2351.	10.1	23
12	Optimum energy management of a photovoltaic water pumping system. Energy Conversion and Management, 2009, 50, 2728-2731.	9.2	22
13	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
14	An algorithm for sizing photovoltaic pumping systems for tomatoes irrigation. , 2013, , .		17
15	Photovoltaic thermal collectors: Reverse osmosis desalination system as an application. Applied Solar Energy (English Translation of Geliotekhnika), 2017, 53, 152-160.	1.6	14
16	Energy Management for Photovoltaic Irrigation with a Battery Bank. International Journal of Energy Optimization and Engineering, 2015, 4, 18-32.	0.6	11
17	Design of a PV/T based desalination plant: Concept and assessment. , 2014, , .		9
18	Hybrid Petri Net scheduling model of household appliances for optimal renewable energy dispatching. Sustainable Cities and Society, 2019, 45, 151-158.	10.4	8

#	ARTICLE	IF	CITATIONS
19	Novel configuration and optimum energy flow management of a grid-connected photovoltaic battery installation. Computers and Electrical Engineering, 2020, 85, 106677.	4.8	8
20	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
21	Sizing optimization of a wind pumping plant: Case study in Sfax, Tunisia. Journal of Renewable and Sustainable Energy, 2012, 4, .	2.0	6
22	A fuzzy based energy management for a photovoltaic pumping plant for tomatoes irrigation. , 2014, , .		6
23	PV/batteries sizing and energy dispatching using Continuous Petri Net. Applied Solar Energy (English) Tj ETQq1 1 0.784314 rgBT /Overl	1.6	6
24	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
25	Fuzzy Energy Management for Photovoltaic Water Pumping System. International Journal of Computer Applications, 2015, 110, 29-36.	0.2	6
26	Energy dispatching strategy for micro-grid using hybrid Petri nets model. , 2017, , .		5
27	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
28	MPPT techniques for a photovoltaic pumping system. , 2015, , .		4
29	On fuzzy logic control of PV/T based reverse Osmosis desalination plant. , 2015, , .		3
30	Hybrid PV/Batteries Bank/Diesel Generator Solar-Renewable Energy System Design, Energy Management, and Economics. , 2018, , 257-294.		3
31	A review on home energy management systems. , 2018, , .		3
32	Dynamic forecasting-based load control of an autonomous photovoltaic installation. Computers and Electrical Engineering, 2020, 85, 106674.	4.8	3
33	Multi-criteria fuzzy algorithm for energy management of a stanalone hybrid system. , 2017, , .		2
34	Charcterisation of an off grid hybrid system: Modelling and simulation. , 2015, , .		1
35	Energy management for a photovoltaic-wind system with non-controlable load. , 2015, , .		1
36	Timed Hybrid Petri Net based modelling of a standalone PVPs/batteries system: Application to loads operation planning. , 2016, , .		1

#	Article	IF	Citations
37	Wind potential assessment for an efficient wind farm sizing. Wind Engineering, 2017, 41, 369-382.	1.9	1
38	Operation scheduling of a household appliance for optimal energy dispatching. , 2018, , .		0
39	Efficient sizing and control algorithm for photovoltaic-direct water parallel pumping. , 2018, , .		0
40	Scenarios-based energy dispatching of PVG/Battery/Grid-connected installation. , 2019, , .		0
41	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