Abderrezzaq ziane

List of Publications by Year
in descending order

34 papers	616 citations	840728 11 h-index	642715 23 g-index
35 all docs	35 docs citations	35 times ranked	419 citing authors

#	Article	IF	Citations
1	Experimental investigation of observed defects in crystalline silicon PV modules under outdoor hot dry climatic conditions in Algeria. Solar Energy, 2018, 159, 475-487.	6.1	87
2	Status of renewable energy potential and utilization in Algeria. Journal of Cleaner Production, 2020, 246, 119011.	9.3	82
3	Analytical assessment of the outdoor performance and efficiency of grid-tied photovoltaic system under hot dry climate in the south of Algeria. Energy Conversion and Management, 2018, 171, 778-786.	9.2	58
4	Energy and economic efficiency performance assessment of a 28 kWp photovoltaic grid-connected system under desertic weather conditions in Algerian Sahara. Renewable Energy, 2019, 143, 1318-1330.	8.9	52
5	Photovoltaic output power performance assessment and forecasting: Impact of meteorological variables. Solar Energy, 2021, 220, 745-757.	6.1	45
6	A prediction models for estimating global solar radiation and evaluation meteorological effect on solar radiation potential under several weather conditions at the surface of Adrar environment. Measurement: Journal of the International Measurement Confederation, 2020, 152, 107348.	5.0	38
7	Effect of sand dust accumulation on photovoltaic performance in the Saharan environment: southern Algeria (Adrar). Environmental Science and Pollution Research, 2019, 26, 259-268.	5.3	36
8	Experimental investigation of solar water heater equipped with a solar collector using waste oil as absorber and working fluid. Solar Energy, 2020, 199, 630-644.	6.1	31
9	Optimal estimation of Schottky diode parameters using a novel optimization algorithm: Equilibrium optimizer. Superlattices and Microstructures, 2020, 146, 106665.	3.1	25
10	Impact of dust accumulation on PV panel performance in the Saharan region. , 2017, , .		16
11	Realization and modeling of multilayer antireflection coatings for solar cells application. Materials Research Express, 2018, 5, 065515.	1.6	15
12	Development of autonomous monitoring and performance evaluation system of grid-tied photovoltaic station. International Journal of Hydrogen Energy, 2021, 46, 30267-30287.	7.1	15
13	Importance cleaning of PV modules for grid-connected PV systems in a desert environment. , 2018, , .		14
14	Tree-based ensemble methods for predicting the module temperature of a grid-tied photovoltaic system in the desert. International Journal of Green Energy, 2021, 18, 1430-1440.	3.8	14
15	Impact of partial shading and PV array power on the performance of grid connected PV station. , 2017, , .		12
16	Performance analysis of an experimental and simulated grid connected photovoltaic system in southwest Algeria. International Journal of Energy and Environmental Engineering, 2022, 13, 831-851.	2.5	11
17	Detecting Partial Shading in Grid-Connected PV Station Using Random Forest Classifier. Lecture Notes in Networks and Systems, 2021, , 88-95.	0.7	9
18	Performance analysis of a grid connected photovoltaic station in the region of Adrar. , 2017, , .		8

#	Article	IF	Citations
19	Quantum efficiency improvement depending on the oxygen doping density, temperature, and layer thicknesses of an intermediate band solar cell based on ZnTe:O: Numerical analysis. Optik, 2020, 224, 165432.	2.9	7
20	Modeling and Simulation of Capacitance–Voltage Characteristics of a Nitride GaAs Schottky Diode. Journal of Electronic Materials, 2018, 47, 5283-5290.	2.2	6
21	A Fuzzy Logic MPPT For Three-Phase Grid-Connected PV Inverter. , 2018, , .		5
22	Simulation and Experimental Studies of Illumination Effects on the Current Transport of Nitridated GaAs Schottky Diode. Semiconductors, 2018, 52, 1998-2006.	0.5	5
23	A Demonstrative Overview of Photovoltaic Systems Faults. , 2019, , .		4
24	Optimal Estimation of Schottky Diode Parameters Using Advanced Swarm Intelligence Algorithms. Semiconductors, 2020, 54, 1398-1405.	0.5	4
25	Supervision and Monitoring of Photovoltaic Systems Using Siemens PLC and HMI. Lecture Notes in Networks and Systems, 2021, , 1147-1157.	0.7	4
26	Degradation Analysis of M-C-Si PV Modules After Long Term Exposure Under Desert Climate. , 2018, , .		3
27	Optimization of two-dimensional electron gas characteristics of AlGaN/GaN high electron mobility transistors. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2019, 32, e2518.	1.9	3
28	Low- and High-Frequency C–V Characteristics of Au/n-GaN/n-GaAs. International Journal of Nanoscience, 2019, 18, 1850039.	0.7	2
29	A PV-UPS Developed For The Monitoring Of PV Systems. , 2020, , .		2
30	Frequency Dependent Capacitance and Conductance–Voltage Characteristics of Nitride GaAs Schottky Diode. Semiconductors, 2021, 55, 51-55.	0.5	1
31	A Temperature Supervision Web Application Based on Wireless Wi-Fi ESP8266 Microcontroller and LM 35 Sensor. Lecture Notes in Networks and Systems, 2022, , 385-394.	0.7	1
32	2-D optimisation current–voltage characteristics in AlGaN/GaN HEMTs with influence of passivation layer. International Journal of Ambient Energy, 2019, , 1-4.	2.5	0
33	Monitoring of Photovoltaic Systems: A case study URERMS Adrar. Algerian Journal of Renewable Energy and Sustainable Development, 2020, 2, 96-104.	0.4	0
34	Investigation and Prototyping Implementation of a Novel Solar Water Collector Based on Used Engine Oil as HTF. Lecture Notes in Electrical Engineering, 2021, , 779-789.	0.4	0