

Rachid Chenni

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2784635/publications.pdf>

Version: 2024-02-01

21
papers

820
citations

933447

10
h-index

996975

15
g-index

21
all docs

21
docs citations

21
times ranked

866
citing authors

#	ARTICLE	IF	CITATIONS
1	A detailed modeling method for photovoltaic cells. Energy, 2007, 32, 1724-1730.	8.8	450
2	Design and simulation of a unified power quality conditioner fed by solar energy. International Journal of Hydrogen Energy, 2015, 40, 15267-15277.	7.1	66
3	Design and control of a stand-alone hybrid power system. International Journal of Hydrogen Energy, 2016, 41, 12485-12496.	7.1	55
4	Evaluating the reliability of crystalline silicon photovoltaic modules in harsh environment. Renewable Energy, 2017, 109, 66-72.	8.9	49
5	Design and simulation of a solar supplied multifunctional active power filter and a comparative study on the current-detection algorithms. Renewable and Sustainable Energy Reviews, 2015, 43, 1114-1126.	16.4	39
6	Exploration of optimal design and performance of a hybrid wind-solar energy system. International Journal of Hydrogen Energy, 2016, 41, 12497-12511.	7.1	23
7	Mitigation of high harmonicity and design of a battery charger for a new piezoelectric wind energy harvester. Sensors and Actuators A: Physical, 2018, 273, 72-83.	4.1	22
8	Simultaneous allocation of photovoltaic <scp>DG</scp> and <scp>DSTATCOM</scp> for <scp>techno-economic</scp> and environmental benefits in electrical distribution systems at different loading conditions using novel hybrid optimization algorithms. International Transactions on Electrical Energy Systems, 2021, 31, e12992.	1.9	22
9	A survey of maximum peak power tracking techniques used in photovoltaic power systems. , 2016, , .		21
10	Modeling and simulation of 15MW grid-connected photovoltaic system using PVsyst software. , 2016, , .		18
11	Optimal energy management system for distribution systems using simultaneous integration of PV-based DC and DSTATCOM units. Energetika, 2020, 66, .	0.6	16
12	Fuzzy Logic-Based Perturb and Observe Algorithm with Variable Step of a Reference Voltage for Solar Permanent Magnet Synchronous Motor Drive System Fed by Direct-Connected Photovoltaic Array. Energies, 2018, 11, 462.	3.1	12
13	Study of Solar Radiation in View of Photovoltaic Systems Optimization. Smart Grid and Renewable Energy, 2011, 02, 367-374.	1.1	9
14	Assessment Integration of Hybrid PV-DSTATCOM-BES-DG System in EDS under Uncertainties Using Chaotic Adaptive Inertia Weight PSO Algorithms. , 2021, , .		5
15	A New Approach for Optimizing Management of a Real Time Solar Charger Using the Firebase Platform Under Android. Journal of Low Power Electronics and Applications, 2019, 9, 23.	2.0	4
16	Experimental and Validation of Photovoltaic Solar Cell Performance Models in Desert Climate. Applied Mechanics and Materials, 2014, 492, 135-142.	0.2	2
17	Modelling of DC PV system with MPPT. , 2015, , .		2
18	Study and analysis of anti-islanding protection for grid-connected photovoltaic central of Ghardaia. Contemporary Engineering Sciences, 2018, 11, 1069-1084.	0.2	2

#	ARTICLE	IF	CITATIONS
19	A Combined MPPT Algorithm for Photovoltaic Systems Based Arduino Microcontroller. International Journal on Energy Conversion, 2018, 6, 66.	0.1	2
20	Photovoltaic system output simulation under various environmental conditions. , 2016, , .		1
21	An Accurate Photovoltaic Emulator Based on Two Closed-Loop Control Systems Including Partial Shading Conditions. International Journal on Energy Conversion, 2019, 7, 126.	0.1	0