

Boumediene Benyoucef

List of Publications by Year in descending order

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34
papers

917
citations

516710

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454955

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34
all docs

34
docs citations

34
times ranked

1163
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of the spectral distribution of light on the characteristics of photovoltaic panel. Comparison between simulation and experimental. AIP Conference Proceedings, 2017, , .	0.4	2
2	Simulation of the outdoor energy efficiency of an autonomous solar kit based on meteorological data for a site in Central Europa. AIP Conference Proceedings, 2016, , .	0.4	1
3	Improvement of parameters in a-Si(p)/c-Si(n)/a-Si(n) solar cells. Materials Research Express, 2016, 3, 105502.	1.6	1
4	Viability study of the use of grid connected photovoltaic system in agriculture: Case of Algerian dairy farms. Renewable and Sustainable Energy Reviews, 2016, 63, 333-345.	16.4	45
5	Contribution to the Control of the Heliostat Motor of a Solar Tower Power Plant Using Intelligence Controller. International Journal of Fuzzy Systems, 2016, 18, 741-750.	4.0	6
6	Morphological and Optical Properties of ZnO Thin Films Prepared by Spray Pyrolysis on Glass Substrates at Various Temperatures for Integration in Solar Cell. Energy Procedia, 2015, 74, 529-538.	1.8	80
7	Structural, Optical and Electrical Properties of Sn-doped Zinc Oxide Transparent Films Interesting for Organic Solar Cells (OSCs). Energy Procedia, 2015, 74, 539-546.	1.8	38
8	Enhanced electrical model for dye-sensitized solar cell characterization. Solar Energy, 2015, 122, 700-711.	6.1	14
9	Characterization and Mechanical Properties of Epoxy Resin Reinforced with TiO ₂ Nanoparticles. Experimental Techniques, 2014, 38, 59-66.	1.5	17
10	Optical, electrical and structural properties of nano-pyramidal ZnO films grown on glass substrate by spray pyrolysis technique. Optical Materials, 2014, 36, 1123-1130.	3.6	33
11	Influence of the Thickness on Optical Properties of Sprayed ZnO Hole-blocking Layers Dedicated to Inverted Organic Solar Cells. Energy Procedia, 2014, 50, 603-609.	1.8	36
12	Performance Evaluation of Hybrid Photovoltaic-wind Power Systems. Energy Procedia, 2014, 50, 797-807.	1.8	26
13	Simulation of Solar Dryer Performances with Forced Convection Experimentally Proved. Physics Procedia, 2014, 55, 96-105.	1.2	13
14	Optimization of Photothermal System based on the Idea of Transmission Solar Energy via Optical Fibres. Physics Procedia, 2014, 55, 493-502.	1.2	3
15	Influence of Al-doped ZnO Transparent Contacts Deposited by a Spray Pyrolysis Technique on Performance of HIT Solar Cells. Energy Procedia, 2014, 50, 853-861.	1.8	15
16	Effect of tin doping on optical properties of nanostructured ZnO thin films grown by spray pyrolysis technique. Journal of Alloys and Compounds, 2014, 616, 312-318.	5.5	56
17	Thermal characterization of polymer matrix composites containing microencapsulated paraffin in solid or liquid state. Energy Conversion and Management, 2014, 78, 796-804.	9.2	29
18	Energetic assessment of transmission-concentrated solar energy systems via optical fibres for building applications. International Journal of Exergy, 2012, 11, 216.	0.4	5

#	ARTICLE	IF	CITATIONS
19	2D Device Modeling and Simulation / FET for Biomedical Applications. Physics Procedia, 2011, 21, 35-41.	1.2	3
20	Using Fouggara for Heating and Cooling Buildings in Sahara. Energy Procedia, 2011, 6, 55-64.	1.8	13
21	Computational analysis of transient turbulent flow and conjugate heat transfer characteristics in a solar collector panel with internal, rectangular fins and baffles. Thermal Science, 2010, 14, 221-234.	1.1	12
22	Systematic procedures for sizing photovoltaic pumping system, using water tank storage. Energy Policy, 2009, 37, 1489-1501.	8.8	77
23	Thermal stability of atmospheric plasma sprayed (Ni, Cu, Co)-YSZ and Ni-Cu-Co-YSZ anodes cermets for SOFC application. Journal of Physics and Chemistry of Solids, 2009, 70, 1487-1495.	4.0	4
24	Mathematic models of photovoltaic motor-pump systems. Renewable Energy, 2008, 33, 933-942.	8.9	68
25	Development and characterisation of (Ni, Cu, Co)-YSZ and Cu-Co-YSZ cermets anode materials for SOFC application. Surface and Coatings Technology, 2008, 202, 2202-2207.	4.8	19
26	Thermophysical and thermomechanical properties of Norland Optical Adhesives and liquid crystal composites. Journal of Applied Polymer Science, 2008, 108, 4072-4079.	2.6	22
27	An equivalent circuit approach to organic solar cell modelling. Microelectronics Journal, 2008, 39, 1173-1180.	2.0	83
28	c-axis inclined AlN film growth in planar system for shear wave devices. Diamond and Related Materials, 2008, 17, 1770-1774.	3.9	14
29	SAW devices based on ZnO inclined c-axis on diamond. Diamond and Related Materials, 2008, 17, 1420-1423.	3.9	23
30	Electromagnetic analysis of the slotted-tube resonator with a circular cross section for MRI applications. Physics in Medicine and Biology, 2007, 52, 4943-4952.	3.0	7
31	Performance of concentrator solar cells with passive cooling. Semiconductor Science and Technology, 2006, 21, 144-147.	2.0	38
32	Derivation of a tube solar collector transmittance for beam and diffuse radiation. International Journal of Thermal Sciences, 2003, 42, 317-322.	4.9	3
33	Small-scale irrigation with photovoltaic water pumping system in Sahara regions. Renewable Energy, 2003, 28, 1081-1096.	8.9	104
34	Thermal behavior of a conductor submitted to skin effect. Applied Thermal Engineering, 2003, 23, 1261-1274.	6.0	7