

Mohamed El-Amine Slimani

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

688
citations

840776

11
h-index

794594

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g-index

29
all docs

29
docs citations

29
times ranked

607
citing authors

#	ARTICLE	IF	CITATIONS
1	A detailed thermal-electrical model of three photovoltaic/thermal (PV/T) hybrid air collectors and photovoltaic (PV) module: Comparative study under Algiers climatic conditions. Energy Conversion and Management, 2017, 133, 458-476.	9.2	213
2	Study and modeling of energy performance of a hybrid photovoltaic/thermal solar collector: Configuration suitable for an indirect solar dryer. Energy Conversion and Management, 2016, 125, 209-221.	9.2	96
3	Experimental investigation of an active direct and indirect solar dryer with sensible heat storage for camel meat drying in Saharan environment. Solar Energy, 2018, 174, 328-341.	6.1	66
4	Parametric study of solar heating and cooling systems in different climates of Algeria " A comparison between conventional and high-energy-performance buildings. Energy, 2016, 113, 521-535.	8.8	47
5	Experimental and numerical study of a PV/Thermal collector equipped with a PV-assisted air circulation system: Configuration suitable for building integration. Energy and Buildings, 2019, 190, 216-234.	6.7	38
6	Comparison of electrical and thermal performance evaluation of a classical PV generator and a water glazed hybrid photovoltaic thermal collector. Mathematics and Computers in Simulation, 2020, 167, 176-193.	4.4	36
7	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
8	Performance evaluation of a locally modified PV module to a PV/T solar collector under climatic conditions of semi-arid region. Mathematics and Computers in Simulation, 2020, 167, 135-154.	4.4	29
9	Numerical Study of Natural Convection in Vertical Cylindrical Annular Enclosure Filled with Cu-Water Nanofluid under Magnetic Fields. Defect and Diffusion Forum, 0, 392, 123-137.	0.4	22
10	Modeling of cold room driven by an absorption refrigerator in the south of Tunisia: A detailed energy and thermodynamic analysis. Journal of Cleaner Production, 2019, 211, 1239-1249.	9.3	22
11	Building incorporated bio-based materials: Experimental and numerical study. Journal of Building Engineering, 2020, 28, 101088.	3.4	19
12	STUDY AND MODELING OF HEAT TRANSFER AND ENERGY PERFORMANCE IN A HYBRID PV/T COLLECTOR WITH DOUBLE PASSAGE OF AIR. International Journal of Energy for A Clean Environment, 2015, 16, 235-245.	1.1	13
13	The natural lighting for energy saving and visual comfort in collective housing: A case study in the Algerian building context. Journal of Building Engineering, 2019, 24, 100760.	3.4	12
14	Analysis of thermal and electrical performance of a solar PV/T air collector: Energetic study for two configurations. , 2015, , .		10
15	Pressure-Driven Gas Flows in Micro Channels with a Slip Boundary: A Numerical Investigation. Fluid Dynamics and Materials Processing, 2020, 16, 147-159.	0.7	9
16	Study of Hybrid Photovoltaic/Thermal Collector Provided With Finned Metal Plates: A Numerical Investigation under Real Operating Conditions. , 2019, , .		6
17	Experimental Study of a Glazed Bi-Fluid (Water/Air) Solar Thermal Collector for Building Integration. , 2019, , .		3
18	A comparative study on two different configurations of hybrid photovoltaic thermal collector with experimental validation and uncertainty analysis. Environmental Progress and Sustainable Energy, 2022, 41, e13704.	2.3	3

#	ARTICLE	IF	CITATIONS
19	Experimental and Numerical Study of Hybrid PV/Thermal Solar Collector Provided with Self Ventilation and Tracking Structure. Lecture Notes in Electrical Engineering, 2021, , 659-670.	0.4	3
20	An experimental and analytical study of the effect of cold compression on the thermophysical properties of a granular medium. AIMS Materials Science, 2020, 7, 116-129.	1.4	3
21	Numerical Simulation of a Combined Solar PV/Thermal Device with two Mechanical Pre-Control Systems. , 2020, , .		2
22	An improved Direct Power Control based on SVM strategy of the Doubly Fed Induction Generator. , 2019, , .		1
23	Impact of glazing type and orientation on the optimum dimension of windows for office room in hot climate. Journal of Architectural Environment & Structural Engineering Research, 2019, 1, .	0.3	1
24	Crack growth study under thermo-mechanical loads: parametric analysis for 2024 T3 aluminum alloy. Frattura Ed Integrita Strutturale, 2019, 13, 231-241.	0.9	1
25	Deactivation by sintering of the cobalt catalyst during the Fischer-Tropsch reaction. Journal of Mechanical Engineering Research, 2019, 2, .	0.1	0
26	Hydrodynamic Effect on the Iso-octane Steam-Reforming in a Monolithic Reactor Channel. Journal of Management Science & Engineering Research, 2019, 2, .	0.3	0
27	Correction: An experimental and analytical study of the effect of cold compression on the thermophysical properties of a granular medium. AIMS Materials Science, 2020, 7, 581-582.	1.4	0
28	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