

Boussad Boumeddane

List of Publications by Year in descending order

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34
papers

885
citations

686830

13
h-index

476904

29
g-index

34
all docs

34
docs citations

34
times ranked

553
citing authors

#	ARTICLE	IF	CITATIONS
1	Dish Stirling technology: A 100MW solar power plant using hydrogen for Algeria. International Journal of Hydrogen Energy, 2011, 36, 4305-4314.	3.8	99
2	Heat transfer, entropy generation, economic and environmental analyses of linear fresnel reflector using novel rGO-Co3O4 hybrid nanofluids. Renewable Energy, 2021, 165, 420-437.	4.3	98
3	Energy, exergy, economic and environmental (4E) analysis of a parabolic trough solar collector using MXene based silicone oil nanofluids. Solar Energy Materials and Solar Cells, 2022, 239, 111633.	3.0	85
4	Experimental and analytical thermal analysis of cylindrical cavity receiver for solar dish. Renewable Energy, 2017, 106, 111-121.	4.3	67
5	Performance assessment of linear Fresnel solar reflector using MWCNTs/DW nanofluids. Renewable Energy, 2020, 151, 43-56.	4.3	67
6	A linear Fresnel reflector as a solar system for heating water: Theoretical and experimental study. Case Studies in Thermal Engineering, 2016, 8, 176-186.	2.8	64
7	A numerical simulation of a linear Fresnel solar reflector directed to produce steam for the power plant. Journal of Cleaner Production, 2019, 231, 494-508.	4.6	58
8	4E (Energy, Exergy, Economic, and Environment) examination of a small LFR solar water heater: An experimental and numerical study. Case Studies in Thermal Engineering, 2021, 27, 101277.	2.8	47
9	Evaluating energy efficiency and economic effect of heat transfer in copper tube for small solar linear Fresnel reflector. Journal of Thermal Analysis and Calorimetry, 2021, 143, 4197-4215.	2.0	37
10	CFD Analysis of the Volute Geometry Effect on the Turbulent Air Flow through the Turbocharger Compressor. Energy Procedia, 2013, 36, 746-755.	1.8	36
11	Optical performance assessment of a small experimental prototype of linear Fresnel reflector. Case Studies in Thermal Engineering, 2019, 16, 100541.	2.8	31
12	Energy, Financial, and Environmental Investigation of a Direct Steam Production Power Plant Driven by Linear Fresnel Solar Reflectors. Journal of Solar Energy Engineering, Transactions of the ASME, 2021, 143, .	1.1	24
13	OPTICAL NUMERICAL INVESTIGATION OF A SOLAR POWER PLANT OF PARABOLIC TROUGH COLLECTORS. Journal of Thermal Engineering, 0, , 550-569.	0.8	17
14	Design and experimental study of a solar system for heating water utilizing a linear Fresnel reflector. Journal of Fundamental and Applied Sciences, 2018, 8, 804.	0.2	15
15	Study and numerical simulation of solar system for air heating. Journal of Fundamental and Applied Sciences, 2016, 8, 41.	0.2	14
16	Experimental study of a designed solar parabolic trough with large rim angle. Renewable Energy, 2018, 125, 495-500.	4.3	14
17	A parabolic trough solar collector as a solar system for heating water: a study based on numerical simulation. International Journal of Energetica, 2017, 2, 29.	0.3	12
18	Brief on Solar Concentrators: Differences and Applications. Instrumentation Mesure Metrologie, 2020, 19, 371-378.	0.2	12

#	ARTICLE	IF	CITATIONS
19	Gasification of olive mill solid wastes for cogeneration applications in Tizi Ouzou region: thermo-economic assessment. <i>International Journal of Sustainable Energy</i> , 2021, 40, 1002-1026.	1.3	11
20	Optical Modeling and Thermal Behavior of a Parabolic Trough Solar Collector in the Algerian Sahara. <i>Modelling, Measurement and Control B: Solid and Fluid Mechanics and Thermics, Mechanical Systems</i> , 2017, 86, 406-426.	0.4	10
21	4E (energy, exergy, economic and environmental) investigation of LFR using MXene based silicone oil nanofluids. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 49, 101715.	1.7	10
22	A numerical analysis of the energy behavior of a parabolic trough concentrator. <i>Journal of Fundamental and Applied Sciences</i> , 2018, 8, 671.	0.2	9
23	Solar thermal energy to drive ejector HVAC systems: A numerical study under Blida climatic conditions. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101558.	2.8	9
24	Techno Economic Study of the Utilization of Solar Dish Stirling Technology for Electricity Generation at the Algerian Sahara. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2013, 35, 1400-1409.	1.2	8
25	Estimating solar radiation according to semi empirical approach of Perrin de Brichambaut: application on several areas with different climate in Algeria. <i>International Journal of Energetica</i> , 2016, 1, 20.	0.3	8
26	Experimental and parametric study of a solar paraboloid designed to receive a Stirling engine. <i>Mechanics and Industry</i> , 2015, 16, 206.	0.5	7
27	Study of the effect of the position and metal of the receiver tube on the performance of a parabolic trough solar collector. <i>Materials Today: Proceedings</i> , 2022, , .	0.9	4
28	Computational hemodynamic investigation of a new bileaflet mechanical heart valve. <i>Simulation</i> , 2020, 96, 459-469.	1.1	3
29	The efficiency of linear Fresnel reflectors in producing superheated steam for power plant drive. <i>E3S Web of Conferences</i> , 2021, 323, 00011.	0.2	3
30	Thermal and metallographic study of nugget size development in resistance spot welding of 304L stainless steel. <i>Metallurgical Research and Technology</i> , 2016, 113, 403.	0.4	2
31	Parametric study of the nugget growth in spot welding of 304L stainless steel sheets having equal and unequal thicknesses. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	2
32	Design and experimental characterisation of a solar dish with small rim angle. <i>International Journal of Scientific and Engineering Research</i> , 2018, 9, 1726-1740.	0.1	2
33	A Cartesian grid generation technique for 2-D non-Newtonian blood flow through a bileaflet mechanical heart valve. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2021, 22, 297-315.	1.4	0
34	Turbulent Air Flow Investigation Through the Vaned Diffuser Turbocharger Using CFD. <i>Green Energy and Technology</i> , 2018, , 87-110.	0.4	0