

Cristiana Maia

List of Publications by Year in descending order

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46
papers

676
citations

759233

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580821

25
g-index

46
all docs

46
docs citations

46
times ranked

592
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic assessment of a small-scale solar chimney. <i>Renewable Energy</i> , 2022, 186, 35-50.	8.9	9
2	Performance evaluation of various nanofluids for parabolic trough collectors. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 50, 101865.	2.7	20
3	A CSP-desalination system using a supercritical carbon dioxide Brayton cycle in Brazil. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2022, 44, 1.	1.6	1
4	Energy and exergy analysis of the drying of corn grains. <i>Renewable Energy</i> , 2021, 163, 1942-1950.	8.9	37
5	Performance study of a baffled solar dryer. <i>AIMS Energy</i> , 2021, 9, 1136-1146.	1.9	1
6	Evolutionary algorithms and the Preference Ranking Organization Method for Enrichment Evaluations as applied to a multiobjective design of shell-and-tube heat exchangers. <i>Case Studies in Thermal Engineering</i> , 2020, 17, 100564.	5.7	6
7	OPTIMIZATION OF A SMALL SOLAR CHIMNEY. <i>Acta Polytechnica</i> , 2020, 60, 225-234.	0.6	1
8	Thermodynamic analysis of a sustainable hybrid dryer. <i>Solar Energy</i> , 2020, 208, 388-398.	6.1	22
9	Flow Past a Circular Cylinder: A Comparison Between Commercial Finite Volume and Finite Element Codes. <i>Advanced Science, Engineering and Medicine</i> , 2020, 12, 815-824.	0.3	2
10	CFD-DEM Simulation to Predict the Critical Velocity of Slurry Flows. <i>Journal of Applied Fluid Mechanics</i> , 2020, 13, 161-168.	0.2	12
11	Effects of variable-volume Helmholtz resonator on air mass flow rate of intake manifold. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	1.6	6
12	Analysis of working parameters for an ammonia-water absorption refrigeration system powered by automotive exhaust gas. <i>Case Studies in Thermal Engineering</i> , 2019, 13, 100406.	5.7	7
13	An overview of the use of solar chimneys for desalination. <i>Solar Energy</i> , 2019, 183, 83-95.	6.1	47
14	Comparative Investigations of the Effects of Soiling of PV Modules and Systems in Tropical, Subtropical, and Semi-Arid Climate Zones in Brazil. , 2019, , .		3
15	Modeling and numerical simulation of slurry flow. <i>Brazilian Journal of Development</i> , 2019, 5, 20462-20477.	0.1	2
16	Thermodynamic analysis of the drying process of bananas in a small-scale solar updraft tower in Brazil. <i>Renewable Energy</i> , 2017, 114, 1005-1012.	8.9	31
17	Measurements of Potentials at Tap Contacts and Estimation of Resistance across Bonding Interfaces in InGaP/GaAs/Si Hybrid Triple-Junction Cells. , 2017, , .		2
18	Interrelationships Among Non-Uniform Soiling Distributions and PV Module Performance Parameters, Climate Conditions, and Soiling Particle and Module Surface Properties. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
19	Numerical analysis of heat transfer in the exhaust gas flow in a diesel power generator. Journal of Physics: Conference Series, 2016, 745, 032015.	0.4	0
20	Soiling particle interactions on PV modules: Surface and inter-particle adhesion and chemistry effects. , 2016, , .		8
21	Fundamental Studies of Adhesion of Dust to PV Module Surfaces: Chemical and Physical Relationships at the Microscale. IEEE Journal of Photovoltaics, 2016, 6, 719-729.	2.5	69
22	A Model to Estimate Ambient Conditions and Behavior of the Airflow Inside a Solar Chimney. , 2016, , 661-671.		1
23	Numerical modeling of the thermal-hydraulic behavior of wire-on-tube condensers operating with HFC-134a using homogeneous equilibrium model: evaluation of some void fraction correlations. Heat and Mass Transfer, 2016, 52, 183-195.	2.1	3
24	Energetic and Exergetic Analysis of Monocrystalline and Polycrystalline Photovoltaic Modules. , 2016, , .		0
25	Experimental Evaluation of the Influence of Infiltration on the Efficiency of Solar Flat Plate Collectors. , 2016, , .		0
26	Assessment of the Fluid Dynamics Aspects of a Vehicle Ventilation System. International Journal of Ventilation, 2015, 14, 65-76.	0.4	2
27	A Mathematical Model for the Exhaust Gas Temperature Profile of a Diesel Engine. Journal of Physics: Conference Series, 2015, 633, 012075.	0.4	3
28	Weighted Average Solar Radiation in Brazil for CO2 Off-Cycle Credits using a Battery Charging Solar Roof. , 2015, , .		1
29	Fundamental studies of the adhesion of dust to PV module chemical and physical relationships at the microscale. , 2015, , .		14
30	Determination of the Diameter of a Cylinder to Insertion in a Low-Speed Wind Tunnel Based on EFD and CFD. Applied Mechanics and Materials, 2015, 798, 165-169.	0.2	0
31	Evaluation of Correlations for Natural Convection on the Behavior of a Wire-on-Tube Condenser. Advanced Materials Research, 2014, 1016, 774-777.	0.3	0
32	Solar drying of a solid waste from steel wire industry. Applied Thermal Engineering, 2014, 73, 104-110.	6.0	27
33	Evaluation of a tracking flat-plate solar collector in Brazil. Applied Thermal Engineering, 2014, 73, 953-962.	6.0	20
34	Energy and exergy analysis of the airflow inside a solar chimney. Renewable and Sustainable Energy Reviews, 2013, 27, 350-361.	16.4	50
35	Analysis of the Impact of the New Emissions Limits on the Temperatures of the Vehicle Floor. Applied Mechanics and Materials, 2012, 152-154, 976-981.	0.2	0
36	Comparison of Tests of Thermal Fatigue Carried Out in Laboratory with Tests Performed under Critical Environmental Conditions for a Vehicle. SAE International Journal of Passenger Cars - Mechanical Systems, 2012, 5, 425-432.	0.4	0

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37	An experimental comparison between LPG and engine exhaust gas as energy source for an absorption refrigeration system. International Journal of Energy Research, 2012, 36, 820-828.	4.5	5
38	Analysis of a new cross flow heat exchanger flow arrangement “ Extension to several rows. International Journal of Thermal Sciences, 2012, 55, 122-132.	4.9	13
39	EXPERIMENTAL EVALUATION OF THE IMPACT OF THE NEW EMISSIONS LIMITS ON THE VEHICLE FLOOR TEMPERATURE. , 2009, , .		0
40	Analysis of the Airflow in a Prototype of a Solar Chimney Dryer. Heat Transfer Engineering, 2009, 30, 393-399.	1.9	35
41	Theoretical evaluation of the influence of geometric parameters and materials on the behavior of the airflow in a solar chimney. Computers and Fluids, 2009, 38, 625-636.	2.5	115
42	Technical feasibility assessment of a solar chimney for food drying. Solar Energy, 2008, 82, 198-205.	6.1	90
43	Distribution of the Fuel Flow in a Cold Start System Using an Electronic Fuel Injector. , 2007, , .		4
44	Actual Climatic Solicitation on a Vehicle Vs Test of Thermal Fatigue Carried out in Laboratory. , 0, , .		0
45	Investigation of the Predictive Ability of Two Advection Schemes on the Formation of a Turbulent Separation Bubble in a Boundary Layer Wind Tunnel. Applied Mechanics and Materials, 0, 477-478, 181-185.	0.2	0
46	Parametric Analysis of Geometric Configurations of a Small-Scale Solar Chimney. Advanced Materials Research, 0, 1051, 975-979.	0.3	3