

Jalal M Jalil

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

514
citations

759233

12
h-index

677142

22
g-index

32
all docs

32
docs citations

32
times ranked

413
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of Thermal Performance of Evacuated Tube with Parabolic Trough Collector with and without Porous Media. IOP Conference Series: Earth and Environmental Science, 2022, 961, 012045.	0.3	1
2	Numerical investigation of using PCM with and without nano addition as insulation material in a hollow brick wall. AIP Conference Proceedings, 2022, , .	0.4	0
3	Investigation of a novel window solar air collector with 7-moveable absorber plates. Energy, 2022, 257, 124829.	8.8	5
4	Experimental Investigation of Phase Change Material as an Insulator in Hollow Brick Wall. IOP Conference Series: Materials Science and Engineering, 2021, 1094, 012065.	0.6	0
5	Experimental and numerical investigation of paraffin wax as thermal insulator in a double glazed window. Journal of Energy Storage, 2021, 35, 102173.	8.1	16
6	Experimental and numerical investigation of PCM capsules as insulation materials inserted into a hollow brick wall. Energy and Buildings, 2021, 246, 111127.	6.7	44
7	Numerical Investigation of Thermal Performance for Air Solar Collector with Multi Inlets. IOP Conference Series: Materials Science and Engineering, 2020, 765, 012036.	0.6	1
8	Numerical Investigation of Thermal Performance of Micro-Pin Fin with Different Arrangements. IOP Conference Series: Materials Science and Engineering, 2020, 765, 012037.	0.6	0
9	Heat Transfer Enhancement in Air Duct Flow By Micro-Channel Experimental And Numerical Investigation. IOP Conference Series: Materials Science and Engineering, 2020, 765, 012027.	0.6	0
10	Experimental and Numerical Study of a New Corrugated and Packing Solar Collector. IOP Conference Series: Materials Science and Engineering, 2020, 765, 012026.	0.6	1
11	Comparative study of novel solar air heater with and without latent energy storage. Journal of Energy Storage, 2020, 32, 101751.	8.1	16
12	Thermal Analysis of a Cooled Turbine Blade. IOP Conference Series: Materials Science and Engineering, 2019, 518, 032028.	0.6	0
13	Double-Pass Solar air Heater (DP-SAH) utilizing Latent Thermal Energy Storage (LTES). IOP Conference Series: Materials Science and Engineering, 2019, 518, 032038.	0.6	6
14	Experimental and numerical analysis of double-pass solar air heater utilizing multiple capsules PCM. Renewable Energy, 2019, 143, 1053-1066.	8.9	91
15	Effect of micro-channel technique on solar collector performance. IOP Conference Series: Materials Science and Engineering, 2019, 518, 032047.	0.6	0
16	Improving the performance of heat pipe-evacuated tube solar collector experimentally by using Al ₂ O ₃ and CuO/acetone nanofluids. Solar Energy, 2018, 173, 780-788.	6.1	89
17	Indoor investigation and numerical analysis of PV cells temperature regulation using coupled PCM/Fins. International Journal of Heat and Technology, 2018, 36, 1212-1222.	0.6	13
18	An experimental and a numerical investigation of HVAC system using thermosyphon heat exchangers for sub-tropical climates. Applied Thermal Engineering, 2017, 114, 693-703.	6.0	12

#	ARTICLE	IF	CITATIONS
19	Enhancement of Solar Collector Thermal Performance using Louvered Absorber. , 2017, , .		0
20	Experimental and numerical investigation of thermosyphone performance in HVAC system applications. Heat and Mass Transfer, 2016, 52, 2879-2893.	2.1	25
21	Experimental and Numerical Study of Axial Turbulent Fluid Flow and Heat Transfer in a Rotating Annulus. Arabian Journal for Science and Engineering, 2016, 41, 1857-1865.	1.1	7
22	Induced flow for ventilation and cooling by a solar chimney. Renewable Energy, 2015, 78, 236-244.	8.9	97
23	Experimental and numerical investigation of fluid flow of truncated conical poppet valve. International Journal of Fluid Power, 2015, , 1-10.	0.7	2
24	Effect of a Side Wall on the Natural Convection Heat Transfer from a Vertical Row of Horizontal Square Rods. Arabian Journal for Science and Engineering, 2014, 39, 1313-1323.	1.1	0
25	Natural Convection in an Enclosure with a Partially Active Magnetic Field. Numerical Heat Transfer; Part A: Applications, 2013, 64, 72-91.	2.1	16
26	Experimental Investigation and Simulation of Al-Si Casting Microstructure Formation. Arabian Journal for Science and Engineering, 2012, 37, 777-792.	1.1	4
27	Natural convection in an enclosure under the influence of time-periodic magnetic field. International Journal of Applied Electromagnetics and Mechanics, 2009, 31, 97-111.	0.6	4
28	Heat Transfer Enhancement Due to Oscillating Heated Cylinder in a Cross Flow at Low Reynolds Numbers. Journal of Enhanced Heat Transfer, 2009, 16, 1-17.	1.1	1
29	The Effect of Nonuniform Magnetic Field on Natural Convection in an Enclosure. Numerical Heat Transfer; Part A: Applications, 2007, 51, 899-917.	2.1	21
30	Thermovibrational Convection in an Enclosure with Magnetic Field Damping. Numerical Heat Transfer; Part A: Applications, 2007, 53, 766-786.	2.1	9
31	Heterogeneous flashing in water drops. International Journal of Multiphase Flow, 1991, 17, 653-660.	3.4	33
32	TRANSIENT HEAT TRANSFER IN A LIQUID SPHERE. , 1986, , .		0