Jalal M Jalil

List of Publications by Year
in descending order

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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	Induced flow for ventilation and cooling by a solar chimney. Renewable Energy, 2015, 78, 236-244.	8.9	97
2	Experimental and numerical analysis of double-pass solar air heater utilizing multiple capsules PCM. Renewable Energy, 2019, 143, 1053-1066.	8.9	91
3	Improving the performance of heat pipe-evacuated tube solar collector experimentally by using Al2O3 and CuO/acetone nanofluids. Solar Energy, 2018, 173, 780-788.	6.1	89
4	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
5	Heterogeneous flashing in water drops. International Journal of Multiphase Flow, 1991, 17, 653-660.	3.4	33
6	Experimental and numerical investigation of thermosyphone performance in HVAC system applications. Heat and Mass Transfer, 2016, 52, 2879-2893.	2.1	25
7	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
8	Natural Convection in an Enclosure with a Partially Active Magnetic Field. Numerical Heat Transfer; Part A: Applications, 2013, 64, 72-91.	2.1	16
9	Comparative study of novel solar air heater with and without latent energy storage. Journal of Energy Storage, 2020, 32, 101751.	8.1	16
10	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
11	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
12	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
13	Thermovibrational Convection in an Enclosure with Magnetic Field Damping. Numerical Heat Transfer; Part A: Applications, 2007, 53, 766-786.	2.1	9
14	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
15	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
16	Investigation of a novel window solar air collector with 7-moveable absorber plates. Energy, 2022, 257, 124829.	8.8	5
17	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
18	Experimental Investigation and Simulation of Alâ€“Si Casting Microstructure Formation. Arabian Journal for Science and Engineering, 2012, 37, 777-792.	1.1	4

#	Article	IF	Citations
19	Experimental and numerical investigation of fluid flow of truncated conical poppet valve. International Journal of Fluid Power, 2015, , 1-10.	0.7	2
20	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
21	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
22	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
23	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
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	Enhancement of Solar Collector Thermal Performance using Louvered Absorber. , 2017, , .		0
26	Thermal Analysis of a Cooled Turbine Blade. IOP Conference Series: Materials Science and Engineering, 2019, 518, 032028.	0.6	0
27	Effect of micro-channel technique on solar collector performance. IOP Conference Series: Materials Science and Engineering, 2019, 518, 032047.	0.6	0
28	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
29	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
30	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
31	TRANSIENT HEAT TRANSFER IN A LIQUID SPHERE. , 1986, , .		0
32	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