

Murugesan Chandrasekar

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

2,777
citations

20
h-index

31
g-index

31
ext. papers

3,236
ext. citations

3.9
avg, IF

5.42
L-index

#	Paper	IF	Citations
30	Experimental investigations and theoretical determination of thermal conductivity and viscosity of Al ₂ O ₃ /water nanofluid. <i>Experimental Thermal and Fluid Science</i> , 2010 , 34, 210-216	3	515
29	Synthesis of Al ₂ O ₃ /Cu/water hybrid nanofluids using two step method and its thermo physical properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 388, 41-48	5.1	506
28	Effect of Al ₂ O ₃ /Cu/water hybrid nanofluid in heat transfer. <i>Experimental Thermal and Fluid Science</i> , 2012 , 38, 54-60	3	500
27	Experimental studies on heat transfer and friction factor characteristics of Al ₂ O ₃ /water nanofluid in a circular pipe under laminar flow with wire coil inserts. <i>Experimental Thermal and Fluid Science</i> , 2010 , 34, 122-130	3	169
26	Passive cooling of standalone flat PV module with cotton wick structures. <i>Energy Conversion and Management</i> , 2013 , 71, 43-50	10.6	150
25	A Review on the Mechanisms of Heat Transport in Nanofluids. <i>Heat Transfer Engineering</i> , 2009 , 30, 1136-1150	1.750	149
24	Experimental studies on heat transfer and friction factor characteristics of CuO/water nanofluid under turbulent flow in a helically dimpled tube. <i>Experimental Thermal and Fluid Science</i> , 2011 , 35, 542-549	3.49	135
23	Mechanisms proposed through experimental investigations on thermophysical properties and forced convective heat transfer characteristics of various nanofluids – A review. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 3917-3938	16.2	123
22	Assessment of fuel properties, engine performance and emission characteristics of outdoor grown marine <i>Chlorella vulgaris</i> BDUG 91771 biodiesel. <i>Renewable Energy</i> , 2017 , 105, 637-646	8.1	71
21	A review on the thermal regulation techniques for non integrated flat PV modules mounted on building top. <i>Energy and Buildings</i> , 2015 , 86, 692-697	7	64
20	A comparison of thermal characteristics of Al ₂ O ₃ /water and CuO/water nanofluids in transition flow through a straight circular duct fitted with helical screw tape inserts. <i>Experimental Thermal and Fluid Science</i> , 2012 , 39, 37-44	3	59
19	Experimental demonstration of enhanced solar energy utilization in flat PV (photovoltaic) modules cooled by heat spreaders in conjunction with cotton wick structures. <i>Energy</i> , 2015 , 90, 1401-1410	7.9	53
18	Experimental studies on heat transfer and friction factor characteristics of Al ₂ O ₃ /water nanofluid under turbulent flow with spiraled rod inserts. <i>Chemical Engineering and Processing: Process Intensification</i> , 2012 , 53, 24-30	3.7	53
17	Experimental Studies on Heat Transfer and Friction Factor Characteristics of Al ₂ O ₃ /Water Nanofluid in a Circular Pipe Under Transition Flow With Wire Coil Inserts. <i>Heat Transfer Engineering</i> , 2011 , 32, 485-496	1.7	35
16	New analytical models to investigate thermal conductivity of nanofluids. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 533-8	1.3	33
15	Experimental studies on heat transfer and friction factor characteristics of CuO/water nanofluid under laminar flow in a helically dimpled tube. <i>Heat and Mass Transfer</i> , 2012 , 48, 683-694	2.2	32
14	Development of processing windows for friction stir spot welding of aluminium Al5052 /copper C27200 dissimilar materials. <i>Transactions of Nonferrous Metals Society of China</i> , 2017 , 27, 1273-1284	3.3	22

13	Passive thermal regulation of flat PV modules by coupling the mechanisms of evaporative and fin cooling. <i>Heat and Mass Transfer</i> , 2016 , 52, 1381-1391	2.2	21
12	Experimental investigation on a solar dryer integrated with condenser unit of split air conditioner (A/C) for enhancing drying rate. <i>Renewable Energy</i> , 2018 , 122, 375-381	8.1	21
11	Prediction of Solar Photovoltaic/Thermal Collector Power Output Using Fuzzy Logic. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2018 , 140,	2.3	21
10	Experiments to Explore the Mechanisms of Heat Transfer in Nanocrystalline Alumina/Water Nanofluid under Laminar and Turbulent Flow Conditions. <i>Experimental Heat Transfer</i> , 2011 , 24, 234-256	2.4	20
9	Performance enhancement of a single pass solar photovoltaic thermal system using staves in the trailing portion of the air channel. <i>Renewable Energy</i> , 2019 , 135, 248-258	8.1	10
8	Experimental studies on the erosion rate of different heat treated carbon steel economiser tubes of power boilers by fly ash particles. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2009 , 16, 534-539	3.1	7
7	Determination of Heat Transport Mechanism in Aqueous Nanofluids Using Regime Diagram. <i>Chinese Physics Letters</i> , 2009 , 26, 124401	1.8	3
6	Performance of a Downstream Finned Solar Photovoltaic Thermal Air System. <i>Journal of Thermal Science and Engineering Applications</i> , 2021 , 13,	1.9	3
5	Refuse-derived fuel for diesel engine utilizing waste transformer oil. <i>Biofuels</i> , 2019 , 1-12	2	1
4	Cooling Approaches for Solar PV Panels. <i>Green Energy and Technology</i> , 2022 , 213-234	0.6	1
3	Performance of pole mounted flat photovoltaic panel under varying ambient parameters. <i>International Journal of Ambient Energy</i> , 2021 , 42, 713-719	2	0
2	Prediction of solar pond performance parameters using artificial neural network. <i>International Journal of Computer Aided Engineering and Technology</i> , 2019 , 11, 141	0.5	
1	Improvement in electrical energy efficiency of solar photovoltaic panel by passive refrigeration cooling system. <i>International Journal of Energy and Water Resources</i> , 1	2.2	