Murugesan Chandrasekar

List of Publications by Year in Descending Order

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	Cooling Approaches for Solar PV Panels. *Green Energy and Technology*, **2022**, 213-234	0.6	1
29	Performance of a Downstream Finned Solar Photovoltaic Thermal Air System. *Journal of Thermal Science and Engineering Applications*, **2021**, 13,	1.9	3
28	Performance of pole mounted flat photovoltaic panel under varying ambient parameters. *International Journal of Ambient Energy*, **2021**, 42, 713-719	2	0
27	Refuse-derived fuel for diesel engine utilizing waste transformer oil. *Biofuels*, **2019**, 1-12	2	1
26	Prediction of solar pond performance parameters using artificial neural network. *International Journal of Computer Aided Engineering and Technology*, **2019**, 11, 141	0.5	
25	Performance enhancement of a single pass solar photovoltaic thermal system using staves in the trailing portion of the air channel. *Renewable Energy*, **2019**, 135, 248-258	8.1	10
24	Experimental investigation on a solar dryer integrated with condenser unit of split air conditioner (A/C) for enhancing drying rate. *Renewable Energy*, **2018**, 122, 375-381	8.1	21
23	Prediction of Solar Photovoltaic/Thermal Collector Power Output Using Fuzzy Logic. *Journal of Solar Energy Engineering, Transactions of the ASME*, **2018**, 140,	2.3	21
22	Assessment of fuel properties, engine performance and emission characteristics of outdoor grown marine Chlorella vulgaris BDUG 91771 biodiesel. *Renewable Energy*, **2017**, 105, 637-646	8.1	71
21	Development of processing windows for friction stir spot welding of aluminium Al5052 /copper C27200 dissimilar materials. *Transactions of Nonferrous Metals Society of China*, **2017**, 27, 1273-1284	3.3	22
20	Passive thermal regulation of flat PV modules by coupling the mechanisms of evaporative and fin cooling. *Heat and Mass Transfer*, **2016**, 52, 1381-1391	2.2	21
19	Experimental demonstration of enhanced solar energy utilization in flat PV (photovoltaic) modules cooled by heat spreaders in conjunction with cotton wick structures. *Energy*, **2015**, 90, 1401-1410	7.9	53
18	A review on the thermal regulation techniques for non integrated flat PV modules mounted on building top. *Energy and Buildings*, **2015**, 86, 692-697	7	64
17	Passive cooling of standalone flat PV module with cotton wick structures. *Energy Conversion and Management*, **2013**, 71, 43-50	10.6	150
16	Mechanisms proposed through experimental investigations on thermophysical properties and forced convective heat transfer characteristics of various nanofluids – A review. *Renewable and Sustainable Energy Reviews*, **2012**, 16, 3917-3938	16.2	123
15	Experimental studies on heat transfer and friction factor characteristics of CuO/water nanofluid under laminar flow in a helically dimpled tube. *Heat and Mass Transfer*, **2012**, 48, 683-694	2.2	32
14	Experimental studies on heat transfer and friction factor characteristics of Al2O3/water nanofluid under turbulent flow with spiraled rod inserts. *Chemical Engineering and Processing: Process Intensification*, **2012**, 53, 24-30	3.7	53

13	Effect of Al2O3Cu/water hybrid nanofluid in heat transfer. *Experimental Thermal and Fluid Science*, **2012**, 38, 54-60	3	500
12	A comparison of thermal characteristics of Al2O3/water and CuO/water nanofluids in transition flow through a straight circular duct fitted with helical screw tape inserts. *Experimental Thermal and Fluid Science*, **2012**, 39, 37-44	3	59
11	Experimental Studies on Heat Transfer and Friction Factor Characteristics of Al2O3/Water Nanofluid in a Circular Pipe Under Transition Flow With Wire Coil Inserts. *Heat Transfer Engineering*, **2011**, 32, 485-496	1.7	35
10	Synthesis of Al2O3Cu/water hybrid nanofluids using two step method and its thermo physical properties. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2011**, 388, 41-48	5.1	506
9	Experiments to Explore the Mechanisms of Heat Transfer in Nanocrystalline Alumina/Water Nanofluid under Laminar and Turbulent Flow Conditions. *Experimental Heat Transfer*, **2011**, 24, 234-256	2.4	20
8	Experimental studies on heat transfer and friction factor characteristics of CuO/water nanofluid under turbulent flow in a helically dimpled tube. *Experimental Thermal and Fluid Science*, **2011**, 35, 542-549	3	135
7	Experimental investigations and theoretical determination of thermal conductivity and viscosity of Al2O3/water nanofluid. *Experimental Thermal and Fluid Science*, **2010**, 34, 210-216	3	515
6	Experimental studies on heat transfer and friction factor characteristics of Al2O3/water nanofluid in a circular pipe under laminar flow with wire coil inserts. *Experimental Thermal and Fluid Science*, **2010**, 34, 122-130	3	169
5	Determination of Heat Transport Mechanism in Aqueous Nanofluids Using Regime Diagram. *Chinese Physics Letters*, **2009**, 26, 124401	1.8	3
4	New analytical models to investigate thermal conductivity of nanofluids. *Journal of Nanoscience and Nanotechnology*, **2009**, 9, 533-8	1.3	33
3	A Review on the Mechanisms of Heat Transport in Nanofluids. *Heat Transfer Engineering*, **2009**, 30, 1136-1150	1.7	149
2	Experimental studies on the erosion rate of different heat treated carbon steel economiser tubes of power boilers by fly ash particles. *International Journal of Minerals, Metallurgy and Materials*, **2009**, 16, 534-539	3.1	7
1	Improvement in electrical energy efficiency of solar photovoltaic panel by passive refrigeration cooling system. *International Journal of Energy and Water Resources*,1	2.2	