Harikrishnan Santhanam

List of Publications by Year in Descending Order

24 papers	918 citations	14 h-index	25 g-index
25 ext. papers	1,065 ext. citations	3.4 avg, IF	4.76 L-index

#	Paper	IF	Citations
24	A Review on Factors Influencing the Mismatch Losses in Solar Photovoltaic System. *International Journal of Photoenergy*, **2022**, 2022, 1-27	2.1	1
23	Experimental investigation on the heat transfer performance of MHTHS using ethylene glycol-based nanofluids. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 61-71	4.1	2
22	Experimental investigation on the effectiveness of MHTHS using different metal oxide-based nanofluids. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 1251-1260	4.1	14
21	The effects of nano-additives on exhaust emissions and toxicity on mankind. *Materials Today: Proceedings*, **2020**, 22, 1181-1185	1.4	7
20	Experimental investigation of parallel type -evacuated tube solar collector using nanofluids. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2020**, 1-13	1.6	6
19	Preparation and thermal characteristics of caprylic acid based composite as phase change material for thermal energy storage. *Materials Research Express*, **2019**, 6, 105051	1.7	15
18	Preparation and enhanced capacitive behavior of Ni-ZnO nanocomposite as electrode for supercapacitor. *Materials Today: Proceedings*, **2019**, 9, 361-370	1.4	4
17	Improved thermal energy storage behavior of a novel nanofluid as phase change material (PCM). *Materials Today: Proceedings*, **2019**, 9, 410-421	1.4	16
16	Improved thermal characteristics of Ag nanoparticles dispersed myristic acid as composite for low temperature thermal energy storage. *Materials Research Express*, **2019**, 6, 085066	1.7	14
15	Experimental Investigation of Improved Thermal Characteristics of SiO2/myristic acid Nanofluid as Phase Change Material (PCM). *Materials Today: Proceedings*, **2019**, 9, 397-409	1.4	14
14	Machinability Studies on CNC Turning of PH Stainless Steel with Coated Inserts. *Materials Today: Proceedings*, **2018**, 5, 14520-14525	1.4	6
13	Improved Thermal Energy Storage Behavior of CuO/Palmitic acid Composite as Phase Change Material. *Materials Today: Proceedings*, **2018**, 5, 14618-14627	1.4	10
12	Experimental Investigation of Improved Thermal Characteristics of Al2O3/Barium Hydroxide Octa Hydrate as Phase Change Materials (PCMs). *Materials Today: Proceedings*, **2018**, 5, 14440-14447	1.4	6
11	Improved Performance of Composite Phase Change Material for Thermal Energy Storage. *Materials Today: Proceedings*, **2018**, 5, 14215-14224	1.4	12
10	Review on Heat Transfer Enhancement of Phase Change Materials (PCMs). *Materials Today: Proceedings*, **2018**, 5, 14423-14431	1.4	32
9	Improved performance of a newly prepared nano-enhanced phase change material for solar energy storage. *Journal of Mechanical Science and Technology*, **2017**, 31, 4903-4910	1.6	41
8	Thermal energy storage behavior of composite using hybrid nanomaterials as PCM for solar heating systems. *Journal of Thermal Analysis and Calorimetry*, **2014**, 115, 1563-1571	4.1	34

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7	Experimental investigation of solidification and melting characteristics of composite PCMs for building heating application. *Energy Conversion and Management*, **2014**, 86, 864-872	10.6	61
6	Preparation and thermal energy storage behaviour of stearic acid–TiO2 nanofluids as a phase change material for solar heating systems. *Thermochimica Acta*, **2013**, 565, 137-145	2.9	96
5	Preparation and Thermophysical Properties of Water–Glycerol Mixture-Based CuO Nanofluids as PCM for Cooling Applications. *IEEE Nanotechnology Magazine*, **2013**, 12, 629-635	2.6	27
4	Analytical and experimental investigations of nanoparticles embedded phase change materials for cooling application in modern buildings. *Renewable Energy*, **2012**, 39, 375-387	8.1	91
3	Sustainable thermal energy storage technologies for buildings: A review. *Renewable and Sustainable Energy Reviews*, **2012**, 16, 2394-2433	16.2	212
2	Preparation and thermal characteristics of CuO–oleic acid nanofluids as a phase change material. *Thermochimica Acta*, **2012**, 533, 46-55	2.9	134
1	Energy efficient PCM-based variable air volume air conditioning system for modern buildings. *Energy and Buildings*, **2010**, 42, 1353-1360	7	62