

Ravi Sharma

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.

23
papers

975
citations

12
h-index

23
g-index

23
ext. papers

1,262
ext. citations

5
avg, IF

4.77
L-index

#	Paper	IF	Citations
23	Developments in organic solid-liquid phase change materials and their applications in thermal energy storage. <i>Energy Conversion and Management</i> , 2015 , 95, 193-228	10.6	456
22	Thermal properties and heat storage analysis of palmitic acid-TiO ₂ composite as nano-enhanced organic phase change material (NEOPCM). <i>Applied Thermal Engineering</i> , 2016 , 99, 1254-1262	5.8	139
21	Long-term thermal and chemical reliability study of different organic phase change materials for thermal energy storage applications. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 124, 1357-1366	4.1	56
20	Preparation, characterization, thermal energy storage properties and temperature control performance of form-stabilized sepiolite based composite phase change materials. <i>Energy and Buildings</i> , 2019 , 188-189, 111-119	7	50
19	Accelerated thermal cycle and chemical stability testing of polyethylene glycol (PEG) 6000 for solar thermal energy storage. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 147, 235-239	6.4	45
18	Numerical study for enhancement of solidification of phase change materials using trapezoidal cavity. <i>Powder Technology</i> , 2014 , 268, 38-47	5.2	45
17	Analysis of double diffusive convection in electroosmosis regulated peristaltic transport of nanofluids. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 535, 122148	3.3	34
16	Evaluation of pumice for development of low-cost and energy-efficient composite phase change materials and lab-scale thermoregulation performances of its cementitious plasters. <i>Energy</i> , 2020 , 207, 118242	7.9	21
15	PCM integrated glass in glass tube solar collector for low and medium temperature applications: Thermodynamic & techno-economic approach. <i>Energy</i> , 2020 , 198, 117238	7.9	19
14	Effects of Thermal Cycling Operation on Solar Thermal Energy Storage, Morphology, Chemical/Crystalline Structure, and Thermal Degradation Properties of Some Fatty Alcohols as Organic PCMs. <i>Energy & Fuels</i> , 2020 , 34, 9011-9019	4.1	15
13	A comprehensive review on phase change materials for heat storage applications: Development, characterization, thermal and chemical stability. <i>Solar Energy Materials and Solar Cells</i> , 2022 , 234, 111392	6.4	15
12	Porosity effect on the boundary layer Bodewadt flow of a magnetic nanofluid in the presence of geothermal viscosity. <i>European Physical Journal Plus</i> , 2017 , 132, 1	3.1	14
11	A cycling study for reliability, chemical stability and thermal durability of polyethylene glycols of molecular weight 2000 and 10000 as organic latent heat thermal energy storage materials. <i>International Journal of Energy Research</i> , 2020 , 44, 2183-2195	4.5	12
10	Development and characterization of form-stable porous TiO ₂ /tetradecanoic acid based composite PCM with long-term stability as solar thermal energy storage material. <i>International Journal of Energy Research</i> , 2020 , 44, 10044-10057	4.5	12
9	Numerical and experimental investigation of different rib roughness in a solar air heater. <i>Thermal Science and Engineering Progress</i> , 2020 , 19, 100576	3.6	10
8	Improved thermal energy storage behavior of polyethylene glycol-based NEOPCM containing aluminum oxide nanoparticles for solar thermal applications. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 1881-1892	4.1	9
7	Study on thermal properties of organic phase change materials for energy storage. <i>Materials Today: Proceedings</i> , 2020 , 28, 2353-2357	1.4	7

6	Turbulence model sensitivity and scour gap effect of unsteady flow around pipe: a CFD study. <i>Scientific World Journal, The</i> , 2014 , 2014, 412136	2.2	4
5	Experimental investigations on the phase change and thermal properties of nano enhanced binary eutectic phase change material of palmitic acid-stearic acid / CuO nanoparticles for thermal energy storage. <i>International Journal of Energy Research</i> ,	4.5	4
4	Advances in the developments of solar cooker for sustainable development: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 145, 111166	16.2	4
3	Solidification of Nano-Enhanced Phase Change Materials (NEPCM) in a Trapezoidal Cavity: A CFD Study. <i>Universal Journal of Mechanical Engineering</i> , 2014 , 2, 187-192	1.2	2
2	Prediction of Thermal Properties and Reliability Testing of Binary Eutectic Mixture of Polyethylene Glycol 2000 and 10000 as Phase Change Materials. <i>ChemistrySelect</i> , 2020 , 5, 9745-9757	1.8	2
1	Development and characterization of eutectic phase change material for thermal energy storage system. <i>Materials Today: Proceedings</i> , 2020 , 28, 2471-2475	1.4	0