

Ravi Sharma

List of Publications by Year in Descending Order

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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 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | Study on thermal properties of organic phase change materials for energy storage. <i>Materials Today: Proceedings</i> , 2020 , 28, 2353-2357 | 1.4 | 7 |
| 19 | 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 |
| 18 | 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 |
| 17 | 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |
| 12 | 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 |
| 11 | 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 |
| 10 | 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 |
| 9 | 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 |
| 8 | 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 |
| 7 | 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 |

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|---|---|------|-----------------|
| 6 | 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 |
| 5 | 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 | 45 ⁶ |
| 4 | Numerical study for enhancement of solidification of phase change materials using trapezoidal cavity. <i>Powder Technology</i> , 2014 , 268, 38-47 | 5.2 | 45 |
| 3 | 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 |
| 2 | 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 |
| 1 | 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 |