

Raja Sekhar Y

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

360
citations

1162367

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839053

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docs citations

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times ranked

382
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Hybrid Photovoltaic/Thermal (PVT) Collector Systems With Different Absorber Configurations For Thermal Management – A Review. <i>Energy and Environment</i> , 2023, 34, 690-735. | 2.7 | 10 |
| 2 | Comparative analysis on embodied energy and CO2 emissions for stand-alone crystalline silicon photovoltaic thermal (PVT) systems for tropical climatic regions of India. <i>Sustainable Cities and Society</i> , 2022, 78, 103650. | 5.1 | 14 |
| 3 | Energy analysis and water conservation measures by water audit at thermal power stations. <i>Sustainable Water Resources Management</i> , 2021, 7, 1. | 1.0 | 6 |
| 4 | Experimental study on drying kinetics for Zingiber Officinale using solar tunnel dryer with thermal energy storage. <i>Solar Energy</i> , 2021, 229, 174-186. | 2.9 | 13 |
| 5 | Design and Analysis of a Solar-Powered Electric Vehicle Charging Station for Indian Cities. <i>World Electric Vehicle Journal</i> , 2021, 12, 132. | 1.6 | 32 |
| 6 | Techno-economic feasibility analysis of integrating grid-tied solar PV plant in a wind farm at Harapanahalli, India. <i>Environmental Progress and Sustainable Energy</i> , 2020, 39, e13374. | 1.3 | 13 |
| 7 | Remediation of Lead and Nickel Contaminated Soil Using Nanoscale Zero-Valent Iron (nZVI) Particles Synthesized Using Green Leaves: First Results. <i>Processes</i> , 2020, 8, 1453. | 1.3 | 11 |
| 8 | Exergy Analysis of a Flat Plate Solar Collector With Grooved Absorber Tube Configuration Using Aqueous ZnO–Ethylene Glycol. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2018, 140, . | 1.1 | 12 |
| 9 | Nanofluids for Enhanced Solar Thermal Energy Conversion. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2017, , 115-148. | 1.4 | 0 |
| 10 | Performance studies on solar collector with grooved absorber tube configuration using aqueous ZnO–ethylene glycol nanofluids. <i>Applied Solar Energy (English Translation of Geliotekhnika)</i> , 2017, 53, 215-221. | 0.2 | 8 |
| 11 | Experimental studies on solar flat plate collector with internally grooved tubes using aqueous ethylene glycol. <i>Applied Solar Energy (English Translation of Geliotekhnika)</i> , 2017, 53, 222-228. | 0.2 | 5 |
| 12 | Performance simulation of a grid connected photovoltaic power system using TRNSYS 17. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 263, 062078. | 0.3 | 2 |
| 13 | Improvement in Material Properties of Thermal Energy Storage Medium with Nanostructured Materials. <i>Nanoscience and Nanotechnology - Asia</i> , 2017, 7, . | 0.3 | 1 |
| 14 | Nanofluid heat transfer under mixed convection flow in a tube for solar thermal energy applications. <i>Environmental Science and Pollution Research</i> , 2016, 23, 9411-9417. | 2.7 | 7 |
| 15 | Study of viscosity and specific heat capacity characteristics of water-based Al ₂ O ₃ nanofluids at low particle concentrations. <i>Journal of Experimental Nanoscience</i> , 2015, 10, 86-102. | 1.3 | 146 |
| 16 | Heat Transfer Enhancement with Al ₂ O ₃ Nanofluids and Twisted Tapes in a Pipe for Solar Thermal Applications. <i>Procedia Engineering</i> , 2013, 64, 1474-1484. | 1.2 | 57 |
| 17 | New correlations for estimation of monthly average daily solar radiation on a horizontal surface using meteorological data. <i>International Journal of Ambient Energy</i> , 2013, 34, 160-174. | 1.4 | 8 |
| 18 | Experimental investigations on thermal conductivity of water and Al ₂ O ₃ nanofluids at low concentrations. <i>International Journal of Nanoparticles</i> , 2012, 5, 300. | 0.1 | 6 |

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|----|---|-----|-----------|
| 19 | Turbulent forced convection of Al₂O₃ nanofluid in a circular tube with tape inserts at low volume concentration. International Journal of Nano and Biomaterials, 2009, 2, 60. | 0.1 | 3 |
| 20 | Fabrication of Dye-Sensitized Solar Cells using natural flower dye extracts: A study on performance analysis and solar dye degradation. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-15. | 1.2 | 6 |