Raja Sekhar Y

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9537224/publications.pdf

Version: 2024-02-01

		1162367	839053
20	360	8	18
papers	citations	h-index	g-index

20	20	20	382
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Study of viscosity and specific heat capacity characteristics of water-based Al₂O₃nanofluids at low particle concentrations. Journal of Experimental Nanoscience, 2015, 10, 86-102.	1.3	146
2	Heat Transfer Enhancement with Al2O3 Nanofluids and Twisted Tapes in a Pipe for Solar Thermal Applications. Procedia Engineering, 2013, 64, 1474-1484.	1.2	57
3	Design and Analysis of a Solar-Powered Electric Vehicle Charging Station for Indian Cities. World Electric Vehicle Journal, 2021, 12, 132.	1.6	32
4	Comparative analysis on embodied energy and CO2 emissions for stand-alone crystalline silicon photovoltaic thermal (PVT) systems for tropical climatic regions of India. Sustainable Cities and Society, 2022, 78, 103650.	5.1	14
5	Technoâ€economic feasibility analysis of integrating gridâ€tied solar PV plant in a wind farm at Harapanahalli, India. Environmental Progress and Sustainable Energy, 2020, 39, e13374.	1.3	13
6	Experimental study on drying kinetics for Zingiber Officinale using solar tunnel dryer with thermal energy storage. Solar Energy, 2021, 229, 174-186.	2.9	13
7	Exergy Analysis of a Flat Plate Solar Collector With Grooved Absorber Tube Configuration Using Aqueous ZnOâ€“Ethylene Glycol. Journal of Solar Energy Engineering, Transactions of the ASME, 2018, 140, .	1.1	12
8	Remediation of Lead and Nickel Contaminated Soil Using Nanoscale Zero-Valent Iron (nZVI) Particles Synthesized Using Green Leaves: First Results. Processes, 2020, 8, 1453.	1.3	11
9	Hybrid Photovoltaic/Thermal (PVT) Collector Systems With Different Absorber Configurations For Thermal Management â€“ A Review. Energy and Environment, 2023, 34, 690-735.	2.7	10
10	New correlations for estimation of monthly average daily solar radiation on a horizontal surface using meteorological data. International Journal of Ambient Energy, 2013, 34, 160-174.	1.4	8
11	Performance studies on solar collector with grooved absorber tube configuration using aqueous ZnOâ€“ethylene glycol nanofluids. Applied Solar Energy (English Translation of Geliotekhnika), 2017, 53, 215-221.	0.2	8
12	Nanofluid heat transfer under mixed convection flow in a tube for solar thermal energy applications. Environmental Science and Pollution Research, 2016, 23, 9411-9417.	2.7	7
13	Experimental investigations on thermal conductivity of water and Al<SUB align="right">2O<SUB align="right">3 nanofluids at low concentrations. International Journal of Nanoparticles, 2012, 5, 300.	0.1	6
14	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
15	Energy analysis and water conservation measures by water audit at thermal power stations. Sustainable Water Resources Management, 7, 1.	1.0	6
16	Experimental studies on solar flat plate collector with internally grooved tubes using aqueous ethylene glycol. Applied Solar Energy (English Translation of Geliotekhnika), 2017, 53, 222-228.	0.2	5
17	Turbulent forced convection of Al<SUB align=right>2O<SUB align=right>3 nanofluid in a circular tube with tape inserts at low volume concentration. International Journal of Nano and Biomaterials, 2009, 2, 60.	0.1	3
18	Performance simulation of a grid connected photovoltaic power system using TRNSYS 17. IOP Conference Series: Materials Science and Engineering, 2017, 263, 062078.	0.3	2

#	Article	IF	Citations
19	Improvement in Material Properties of Thermal Energy Stor age Medium with Nanostructured Materials. Nanoscience and Nanotechnology - Asia, 2017, 7, .	0.3	1
20	Nanofluids for Enhanced Solar Thermal Energy Conversion. Topics in Mining, Metallurgy and Materials Engineering, 2017, , 115-148.	1.4	0