

Rohit Kothari

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6070282/publications.pdf>

Version: 2024-02-01

14
papers

246
citations

1163117

8
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

115
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal performance of heat sink using nano-enhanced phase change material (NePCM) for cooling of electronic components. <i>Microelectronics Reliability</i> , 2021, 121, 114144.	1.7	45
2	Thermal performance of phase change material-based heat sink for passive cooling of electronic components: An experimental study. <i>International Journal of Energy Research</i> , 2021, 45, 5939-5963.	4.5	32
3	Investigation on thermal characteristics of nano enhanced phase change material based finned and unfinned heat sinks for thermal management system. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 162, 108328.	3.6	29
4	A comparative study and optimization of phase change material based heat sinks for thermal management of electronic components. <i>Journal of Energy Storage</i> , 2021, 43, 103224.	8.1	27
5	Numerical investigation of cross plate fin heat sink integrated with phase change material for cooling application of portable electronic devices. <i>International Journal of Energy Research</i> , 2021, 45, 8666-8683.	4.5	24
6	Comprehensive analysis of melting and solidification of a phase change material in an annulus. <i>Heat and Mass Transfer</i> , 2019, 55, 769-790.	2.1	22
7	Analysis of solidification in a finite PCM storage with internal fins by employing heat balance integral method. <i>International Journal of Energy Research</i> , 2019, 43, 6366-6388.	4.5	22
8	Selection of phase-change material for thermal management of electronic devices using multi-criteria decision-making technique. <i>International Journal of Energy Research</i> , 2021, 45, 2023-2042.	4.5	11
9	Experimental Investigations on Thermal Performance of PCM Based Heat Sink for Passive Cooling of Electronic Components. , 2018, , .		9
10	Effect of fin location on constrained melting heat transfer of phase change material in a spherical capsule: A numerical study. <i>Journal of Energy Storage</i> , 2022, 52, 104922.	8.1	8
11	Solidification and melting model of phase change material with volumetric shrinkage/expansion void in an annulus. <i>Applied Thermal Engineering</i> , 2021, 195, 117202.	6.0	6
12	Melting and solidification analysis of phase change material-metal foam composite with expansion/shrinkage void in rectangular system. <i>Journal of Energy Storage</i> , 2022, 47, 103596.	8.1	6
13	A theoretical model for effective thermal conductivity of open-cell-coated metal foams saturated with fluid/phase change material. <i>International Journal of Energy Research</i> , 2022, 46, 14877-14900.	4.5	3
14	Experimental investigation on paraffin wax-based heat sinks with cross plate fin arrangement for cooling of electronic components. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 9487-9504.	3.6	2