

# Rohit Kothari

## List of Publications by Year in descending order

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14  
papers

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1163117

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times ranked

115  
citing authors

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