

# Mathew Karvinkoppa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2543590/publications.pdf>

Version: 2024-02-01

9  
papers

83  
citations

1684188  
5  
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1474206  
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g-index

9  
all docs

9  
docs citations

9  
times ranked

30  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical investigation on optimal arrangement of IC chips mounted on a SMPS board cooled under mixed convection. <i>Thermal Science and Engineering Progress</i> , 2018, 7, 221-229.	2.7	31
2	Role of PCM based mini-channels for the cooling of multiple protruding IC chips on the SMPS board - A numerical study. <i>Journal of Energy Storage</i> , 2019, 26, 100917.	8.1	18
3	Experiment and numerical investigation on optimal distribution of discrete ICs for different orientation of substrate board. <i>International Journal of Ambient Energy</i> , 2022, 43, 1607-1614.	2.5	9
4	Numerical investigation of natural and mixed convection heat transfer on optimal distribution of discrete heat sources mounted on a substrate. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 263, 062066.	0.6	8
5	Experimental investigation of substrate board orientation effect on the optimal distribution of IC chips under forced convection. <i>Experimental Heat Transfer</i> , 2021, 34, 564-585.	3.2	7
6	Computational fluid dynamics used by mixing vessels for predicting hydrodynamic behaviour of mixture: An overview. <i>Materials Today: Proceedings</i> , 2021, 47, 2305-2309.	1.8	3
7	Convective Heat Transfer on the Optimum Spacing of High Heat Dissipating Heat Sources – A Numerical Approach. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 73-84.	0.4	3
8	Comprehensive study on smart cooling techniques used for batteries. <i>E3S Web of Conferences</i> , 2020, 170, 01028.	0.5	2
9	Thermal analysis of a spiral solar receiver for a small central receiver system: an experimental and numerical investigation. <i>International Journal of Ambient Energy</i> , 2020, , 1-9.	2.5	2