

Hamza Babar

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,388
citations

759055

12
h-index

1125617

13
g-index

20
all docs

20
docs citations

20
times ranked

1054
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards hybrid nanofluids: Preparation, thermophysical properties, applications, and challenges. Journal of Molecular Liquids, 2019, 281, 598-633.	2.3	342
2	Preparation Techniques of TiO ₂ Nanofluids and Challenges: A Review. Applied Sciences (Switzerland), 2018, 8, 587.	1.3	187
3	Recent advances on the fundamental physical phenomena behind stability, dynamic motion, thermophysical properties, heat transport, applications, and challenges of nanofluids. Physics Reports, 2022, 946, 1-94.	10.3	179
4	Solar energy systems – Potential of nanofluids. Journal of Molecular Liquids, 2019, 289, 111049.	2.3	143
5	Viscosity of hybrid nanofluids: A critical review. Thermal Science, 2019, 23, 1713-1754.	0.5	106
6	Nanofluid: Potential evaluation in automotive radiator. Journal of Molecular Liquids, 2020, 297, 112014.	2.3	105
7	Airfoil shaped pin-fin heat sink: Potential evaluation of ferric oxide and titania nanofluids. Energy Conversion and Management, 2019, 202, 112194.	4.4	84
8	Concentrated photovoltaics as light harvesters: Outlook, recent progress, and challenges. Sustainable Energy Technologies and Assessments, 2021, 46, 101199.	1.7	63
9	Internal convective heat transfer of nanofluids in different flow regimes: A comprehensive review. Physica A: Statistical Mechanics and Its Applications, 2020, 538, 122783.	1.2	53
10	Heat pipes: progress in thermal performance enhancement for microelectronics. Journal of Thermal Analysis and Calorimetry, 2021, 143, 2227-2243.	2.0	37
11	Oriented square shaped pin-fin heat sink: Performance evaluation employing mixture based on ethylene glycol/water graphene oxide nanofluid. Applied Thermal Engineering, 2022, 206, 118085.	3.0	30
12	Staggered oriented airfoil shaped pin-fin heat sink: Investigating the efficacy of novel water based ferric oxide-silica hybrid nanofluid. International Journal of Heat and Mass Transfer, 2022, 194, 123085.	2.5	29
13	Application of Nanofluids for Thermal Management of Photovoltaic Modules: A Review. , 0, , .		14
14	Potential evaluation of water-based ferric oxide (Fe ₂ O ₃ -water) nanocoolant: An experimental study. Energy, 2022, 246, 123441.	4.5	9
15	Energy harvesting: role of hybrid nanofluids. , 2021, , 173-211.		4
16	Hybrid nanofluids as a heat transferring media. , 2020, , 143-177.		2
17	Energy Storage Materials in Thermal Storage Applications. , 2021, , 79-117.		1
18	Advanced Thermal Energy Storage Materials. , 2021, , 31-69.		0

#	ARTICLE	IF	CITATIONS
19	Thermal Energy Storage System. , 2021, , 13-30.		0
20	Thermophysical Properties of Advanced Energy Storage Materials. , 2021, , 71-78.		0