

# Hamza Babar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3236003/publications.pdf>

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	Recent advances on the fundamental physical phenomena behind stability, dynamic motion, thermophysical properties, heat transport, applications, and challenges of nanofluids. <i>Physics Reports</i> , 2022, 946, 1-94.	10.3	179
2	Oriented square shaped pin-fin heat sink: Performance evaluation employing mixture based on ethylene glycol/water graphene oxide nanofluid. <i>Applied Thermal Engineering</i> , 2022, 206, 118085.	3.0	30
3	Potential evaluation of water-based ferric oxide (Fe <sub>2</sub> O <sub>3</sub> -water) nanocoolant: An experimental study. <i>Energy</i> , 2022, 246, 123441.	4.5	9
4	Staggered oriented airfoil shaped pin-fin heat sink: Investigating the efficacy of novel water based ferric oxide-silica hybrid nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2022, 194, 123085.	2.5	29
5	Heat pipes: progress in thermal performance enhancement for microelectronics. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 2227-2243.	2.0	37
6	Advanced Thermal Energy Storage Materials. , 2021, , 31-69.		0
7	Thermal Energy Storage System. , 2021, , 13-30.		0
8	Thermophysical Properties of Advanced Energy Storage Materials. , 2021, , 71-78.		0
9	Energy Storage Materials in Thermal Storage Applications. , 2021, , 79-117.		1
10	Energy harvesting: role of hybrid nanofluids. , 2021, , 173-211.		4
11	Concentrated photovoltaics as light harvesters: Outlook, recent progress, and challenges. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 46, 101199.	1.7	63
12	Internal convective heat transfer of nanofluids in different flow regimes: A comprehensive review. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 538, 122783.	1.2	53
13	Nanofluid: Potential evaluation in automotive radiator. <i>Journal of Molecular Liquids</i> , 2020, 297, 112014.	2.3	105
14	Hybrid nanofluids as a heat transferring media. , 2020, , 143-177.		2
15	Airfoil shaped pin-fin heat sink: Potential evaluation of ferric oxide and titania nanofluids. <i>Energy Conversion and Management</i> , 2019, 202, 112194.	4.4	84
16	Solar energy systems – Potential of nanofluids. <i>Journal of Molecular Liquids</i> , 2019, 289, 111049.	2.3	143
17	Towards hybrid nanofluids: Preparation, thermophysical properties, applications, and challenges. <i>Journal of Molecular Liquids</i> , 2019, 281, 598-633.	2.3	342
18	Viscosity of hybrid nanofluids: A critical review. <i>Thermal Science</i> , 2019, 23, 1713-1754.	0.5	106

#	ARTICLE	IF	CITATIONS
19	Preparation Techniques of TiO <sub>2</sub> Nanofluids and Challenges: A Review. Applied Sciences (Switzerland), 2018, 8, 587.	1.3	187
20	Application of Nanofluids for Thermal Management of Photovoltaic Modules: A Review. , 0, , .		14