

Muhammad Usman Sajid

List of Publications by Year in descending order

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17
papers

1,731
citations

623734

14
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

1365
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal conductivity of hybrid nanofluids: A critical review. International Journal of Heat and Mass Transfer, 2018, 126, 211-234.	4.8	501
2	Recent advances in application of nanofluids in heat transfer devices: A critical review. Renewable and Sustainable Energy Reviews, 2019, 103, 556-592.	16.4	422
3	Preparation Techniques of TiO ₂ Nanofluids and Challenges: A Review. Applied Sciences (Switzerland), 2018, 8, 587.	2.5	187
4	Solar energy systems – Potential of nanofluids. Journal of Molecular Liquids, 2019, 289, 111049.	4.9	143
5	Viscosity of hybrid nanofluids: A critical review. Thermal Science, 2019, 23, 1713-1754.	1.1	106
6	Experimental investigation of TiO ₂ -water nanofluid flow and heat transfer inside wavy mini-channel heat sinks. Journal of Thermal Analysis and Calorimetry, 2019, 137, 1279-1294.	3.6	104
7	Nanofluids as solar spectrum splitters: A critical review. Solar Energy, 2020, 207, 974-1001.	6.1	48
8	Thermal analyses of minichannels and use of mathematical and numerical models. Numerical Heat Transfer; Part A: Applications, 2020, 77, 497-537.	2.1	43
9	Comparative life cycle cost analysis of various solar energy-based integrated systems for self-sufficient greenhouses. Sustainable Production and Consumption, 2021, 27, 141-156.	11.0	34
10	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.	6.0	30
11	Performance Assessment of Spectrum Selective Nanofluid-Based Cooling for a Self-Sustaining Greenhouse. Energy Technology, 2021, 9, 2000875.	3.8	23
12	Impacts of ultrasonication time and surfactants on stability and optical properties of CuO, Fe ₃ O ₄ , and CNTs/water nanofluids for spectrum selective applications. Ultrasonics Sonochemistry, 2022, 88, 106079.	8.2	20
13	Heat Transfer Applications of TiO ₂ Nanofluids. , 0, , .		19
14	Exergetic performance assessment of magnesium oxide-water nanofluid in corrugated minichannel heat sinks: An experimental study. International Journal of Energy Research, 2022, 46, 9985-10001.	4.5	18
15	Thermodynamic assessment of chemical looping combustion and solar thermal methane cracking-based integrated system for green ammonia production. Thermal Science and Engineering Progress, 2020, 19, 100588.	2.7	17
16	Optimal spectra management for self-power producing greenhouses for hot arid climates. Renewable and Sustainable Energy Reviews, 2022, 159, 112194.	16.4	14
17	Hybrid nanofluids as a heat transferring media. , 2020, , 143-177.		2