

Atul Bhattad

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

514
citations

840776

11
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

430
citing authors

#	ARTICLE	IF	CITATIONS
1	Discrete phase numerical model and experimental study of hybrid nanofluid heat transfer and pressure drop in plate heat exchanger. <i>International Communications in Heat and Mass Transfer</i> , 2018, 91, 262-273.	5.6	119
2	Improving the performance of refrigeration systems by using nanofluids: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 3656-3669.	16.4	119
3	Experimentation on effect of particle ratio on hydrothermal performance of plate heat exchanger using hybrid nanofluid. <i>Applied Thermal Engineering</i> , 2019, 162, 114309.	6.0	75
4	Hydrothermal performance of different alumina hybrid nanofluid types in plate heat exchanger. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 3777-3787.	3.6	47
5	Energetic and Exergetic Performances of Plate Heat Exchanger Using Brine-Based Hybrid Nanofluid for Milk Chilling Application. <i>Heat Transfer Engineering</i> , 2020, 41, 522-535.	1.9	31
6	Effects of nanoparticle shape and size on the thermohydraulic performance of plate evaporator using hybrid nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 767-779.	3.6	30
7	Exergetic analysis of plate evaporator using hybrid nanofluids as secondary refrigerant for low-temperature applications. <i>International Journal of Exergy</i> , 2017, 24, 1.	0.4	21
8	Experimental investigation of Al ₂ O ₃ -MgO hot hybrid nanofluid in a plate heat exchanger. <i>Heat Transfer</i> , 2020, 49, 2344-2354.	3.0	21
9	Energy-Economic Analysis of Plate Evaporator using Brine-based Hybrid Nanofluids as Secondary Refrigerant. <i>International Journal of Air-Conditioning and Refrigeration</i> , 2018, 26, 1850003.	0.7	18
10	Hydrothermal performance of plate heat exchanger with an alumina-graphene hybrid nanofluid: experimental study. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	1.6	17
11	Heat transfer characteristics of plate heat exchanger using hybrid nanofluids: effect of nanoparticle mixture ratio. <i>Heat and Mass Transfer</i> , 2020, 56, 2457-2472.	2.1	15
12	Exergetic analysis of plate evaporator using hybrid nanofluids as secondary refrigerant for low-temperature applications. <i>International Journal of Exergy</i> , 2017, 24, 1.	0.4	1