

Dr I M Mahbubul

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61
papers

3,608
citations

34
h-index

60
g-index

62
ext. papers

4,198
ext. citations

5.6
avg, IF

5.8
L-index

#	Paper	IF	Citations
61	Latest developments on the viscosity of nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2012 , 55, 874-885	4.9	43 ⁸
60	The green reduction of graphene oxide. <i>RSC Advances</i> , 2016 , 6, 27807-27828	3.7	159
59	Carbon nanotube nanofluid in enhancing the efficiency of evacuated tube solar collector. <i>Renewable Energy</i> , 2018 , 121, 36-44	8.1	142
58	Experimental investigation on the thermo-physical properties of Al ₂ O ₃ nanoparticles suspended in car radiator coolant. <i>International Communications in Heat and Mass Transfer</i> , 2014 , 54, 48-53	5.8	141
57	A comparative review on the specific heat of nanofluids for energy perspective. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 38, 88-98	16.2	136
56	Evaluation of solar collector designs with integrated latent heat thermal energy storage: A review. <i>Solar Energy</i> , 2018 , 166, 334-350	6.8	133
55	Effect of particle size on the viscosity of nanofluids: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 1664-1674	16.2	123
54	An experimental investigation of heat transfer enhancement of a minichannel heat sink using Al ₂ O ₃ /H ₂ O nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 74, 164-172	4.9	119
53	Effect of Ultrasonication Duration on Colloidal Structure and Viscosity of Alumina/Water Nanofluid. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 6677-6684	3.9	115
52	Effect of different nanoparticle shapes on shell and tube heat exchanger using different baffle angles and operated with nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 70, 289-297	4.9	109
51	Effect of nanoparticle shape on the heat transfer and thermodynamic performance of a shell and tube heat exchanger. <i>International Communications in Heat and Mass Transfer</i> , 2013 , 44, 93-99	5.8	103
50	Thermophysical properties and heat transfer performance of Al ₂ O ₃ /R-134a nanorefrigerants. <i>International Journal of Heat and Mass Transfer</i> , 2013 , 57, 100-108	4.9	100
49	Influence of particle concentration and temperature on thermal conductivity and viscosity of Al ₂ O ₃ /R141b nanorefrigerant. <i>International Communications in Heat and Mass Transfer</i> , 2013 , 43, 100-104	5.8	99
48	Optimization of ultrasonication period for better dispersion and stability of TiO ₂ -water nanofluid. <i>Ultrasonics Sonochemistry</i> , 2017 , 37, 360-367	8.9	94
47	Effect of particle concentration, temperature and surfactant on surface tension of nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2013 , 49, 110-114	5.8	93
46	Heat transfer performance and exergy analyses of a corrugated plate heat exchanger using metal oxide nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2014 , 50, 8-14	5.8	92
45	Thermal Conductivity, Viscosity and Density of R141b Refrigerant based Nanofluid. <i>Procedia Engineering</i> , 2013 , 56, 310-315		88

44	Effective ultrasonication process for better colloidal dispersion of nanofluid. <i>Ultrasonics Sonochemistry</i> , 2015 , 26, 361-369	8.9	82
43	Experimental investigation on Al ₂ O ₃ W, SiO ₂ W and ZnO ₂ W nanofluids and their application in a shell and tube heat exchanger. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 97, 547-558	4.9	80
42	Optical properties of various nanofluids used in solar collector: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 73, 1014-1030	16.2	72
41	Energy savings in the combustion based process heating in industrial sector. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 4527-4536	16.2	72
40	Energy, economic, and environmental analysis of a flat-plate solar collector operated with SiO ₂ nanofluid. <i>Clean Technologies and Environmental Policy</i> , 2015 , 17, 1457-1473	4.3	71
39	Experimental investigation on effect of ultrasonication duration on colloidal dispersion and thermophysical properties of aluminaWwater nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 88, 73-81	4.9	69
38	An overview on the effect of ultrasonication duration on different properties of nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 393-418	4.1	68
37	Analysis of entropy generation using nanofluid flow through the circular microchannel and minichannel heat sink. <i>International Communications in Heat and Mass Transfer</i> , 2013 , 46, 85-91	5.8	64
36	Experimental investigation on surface tension of metal oxideWwater nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2015 , 65, 82-88	5.8	60
35	Energy and exergy analysis of aluminaWwater nanofluid for an electronic liquid cooling system. <i>International Communications in Heat and Mass Transfer</i> , 2014 , 57, 118-127	5.8	52
34	Thermal performance analysis of Al ₂ O ₃ /R-134a nanorefrigerant. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 85, 1034-1040	4.9	52
33	Effectiveness Study of a Shell and Tube Heat Exchanger Operated with Nanofluids at Different Mass Flow Rates. <i>Numerical Heat Transfer; Part A: Applications</i> , 2014 , 65, 699-713	2.3	45
32	Influence of ultrasonication duration on rheological properties of nanofluid: An experimental study with aluminaWwater nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 76, 33-40	5.8	38
31	Effect of temperature and volume fraction on rheology of methanol based nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 77, 765-769	4.9	37
30	Heat Transfer and Pressure Drop Characteristics of Al ₂ O ₃ -R141b Nanorefrigerant in Horizontal Smooth Circular Tube. <i>Procedia Engineering</i> , 2013 , 56, 323-329		37
29	Exergy and entropy generation analysis of TiO ₂ Wwater nanofluid flow through the water block as an electronics device. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 101, 104-111	4.9	37
28	Data-driven methods for estimating the effective thermal conductivity of nanofluids: A comprehensive review. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 131, 1211-1231	4.9	36
27	Stability, thermophysical properties and performance assessment of aluminaWwater nanofluid with emphasis on ultrasonication and storage period. <i>Powder Technology</i> , 2019 , 345, 668-675	5.2	32

26	Performance assessment of a solar powered ammonia-water absorption refrigeration system with storage units. <i>Energy Conversion and Management</i> , 2016 , 126, 316-328	10.6	32
25	Deoxygenation of graphene oxide using household baking soda as a reducing agent: a green approach. <i>RSC Advances</i> , 2015 , 5, 70461-70472	3.7	31
24	Experimental testing of the performance of a solar absorption cooling system assisted with ice-storage for an office space. <i>Energy Conversion and Management</i> , 2017 , 148, 1399-1408	10.6	31
23	Experimental investigation of the relation between yield stress and ultrasonication period of nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 93, 1169-1174	4.9	26
22	Rheological behavior of Al ₂ O ₃ /R141b nanorefrigerant. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 73, 118-123	4.9	25
21	Experimental analysis of energy and friction factor for titanium dioxide nanofluid in a water block heat sink. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 115, 77-85	4.9	24
20	Migration Properties of TiO ₂ Nanoparticles during the Pool Boiling of Nanorefrigerants. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 6032-6038	3.9	24
19	Heat Transfer Performance of Different Nanofluids Flows in a Helically Coiled Heat Exchanger. <i>Advanced Materials Research</i> , 2013 , 832, 160-165	0.5	23
18	Performance evaluation of a shell and tube heat exchanger operated with oxide based nanofluids. <i>Heat and Mass Transfer</i> , 2016 , 52, 1425-1433	2.2	15
17	Experimental and numerical study of nanofluid flow and heat transfer over microscale forward-facing step. <i>International Communications in Heat and Mass Transfer</i> , 2014 , 57, 319-329	5.8	12
16	Nanofluids for Thermal Performance Improvement in Cooling of Electronic Device. <i>Advanced Materials Research</i> , 2013 , 832, 218-223	0.5	11
15	Energy and Environmental Effects of Shell and Tube Heat Exchanger by Using Nanofluid as a Coolant. <i>Journal of Chemical Engineering of Japan</i> , 2014 , 47, 340-344	0.8	11
14	Energy, Exergy, and Friction Factor Analysis of Nanofluid as a Coolant for Electronics. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 10512-10518	3.9	10
13	Performance Investigation of a Plate Heat Exchanger Using Nanofluid with Different Chevron Angle. <i>Advanced Materials Research</i> , 2013 , 832, 254-259	0.5	8
12	Stability and Dispersion Characterization of Nanofluid 2019 , 47-112		8
11	Preparation of Nanofluid 2019 , 15-45		7
10	Global Effects of MWCNT-W Nanofluid in a Shell & Tube Heat Exchanger. <i>Advanced Materials Research</i> , 2013 , 832, 154-159	0.5	6
9	Prospective and Challenging Issues of Biofuels 2020 , 1, 4-10		3

8	Application of Nanofluid 2019 , 317-350		3
7	Quality function deployment approach to measure supply chain performance: a case study on garments accessories industries. <i>International Journal of Industrial and Systems Engineering</i> , 2016 , 22, 96	0.4	2
6	Introduction to Nanofluid 2019 , 1-13		2
5	Thermophysical Properties of Nanofluids 2019 , 113-196		2
4	Optical Properties of Nanofluid 2019 , 231-272		2
3	Influence of Nanoparticle Type, Size and Weight on Migration Properties of Nanorefrigerant. <i>Advanced Materials Research</i> , 2013 , 832, 45-50	0.5	1
2	Rheological Behavior of Nanofluid 2019 , 197-229		1
1	Correlation and Theoretical Analysis of Nanofluids 2019 , 273-316		