Sheikh Khaleduzzaman Shah

List of Publications by Year
in descending order

28 papers	1,553 citations	471061 17 h-index	552369 26 g-index
28 all docs	28 docs citations	28 times ranked	1370 citing authors

#	Article	IF	Citations
1	Experimental investigation on the thermo-physical properties of Al2O3 nanoparticles suspended in car radiator coolant. International Communications in Heat and Mass Transfer, 2014, 54, 48-53.	2.9	188
2	A comparative review on the specific heat of nanofluids for energy perspective. Renewable and Sustainable Energy Reviews, 2014, 38, 88-98.	8.2	176
3	An experimental investigation of heat transfer enhancement of a minichannel heat sink using Al2O3â€“H2O nanofluid. International Journal of Heat and Mass Transfer, 2014, 74, 164-172.	2.5	161
4	Effect of Ultrasonication Duration on Colloidal Structure and Viscosity of Aluminaâ€“Water Nanofluid. Industrial & Engineering Chemistry Research, 2014, 53, 6677-6684.	1.8	161
5	Effect of particle concentration, temperature and surfactant on surface tension of nanofluids. International Communications in Heat and Mass Transfer, 2013, 49, 110-114.	2.9	124
6	Experimental investigation on effect of ultrasonication duration on colloidal dispersion and thermophysical properties of aluminaâ€“water nanofluid. International Journal of Heat and Mass Transfer, 2015, 88, 73-81.	2.5	84
7	Analysis of entropy generation using nanofluid flow through the circular microchannel and minichannel heat sink. International Communications in Heat and Mass Transfer, 2013, 46, 85-91.	2.9	82
8	Seasonal thermal energy storage system for cold climate zones: A review of recent developments. Renewable and Sustainable Energy Reviews, 2018, 97, 38-49.	8.2	75
9	Energy and exergy analysis of aluminaâ€“water nanofluid for an electronic liquid cooling system. International Communications in Heat and Mass Transfer, 2014, 57, 118-127.	2.9	68
10	Metal-Air Batteriesâ€”A Review. Energies, 2021, 14, 7373.	1.6	59
11	Cooling performance investigation of electronics cooling system using Al2O3â€“H2O nanofluid. International Communications in Heat and Mass Transfer, 2015, 65, 89-93.	2.9	58
12	Effectiveness Study of a Shell and Tube Heat Exchanger Operated with Nanofluids at Different Mass Flow Rates. Numerical Heat Transfer; Part A: Applications, 2014, 65, 699-713.	1.2	51
13	Exergy and entropy generation analysis of TiO2â€“water nanofluid flow through the water block as an electronics device. International Journal of Heat and Mass Transfer, 2016, 101, 104-111.	2.5	46
14	Rheological behavior of Al2O3/R141b nanorefrigerant. International Journal of Heat and Mass Transfer, 2014, 73, 118-123.	2.5	32
15	Experimental analysis of energy and friction factor for titanium dioxide nanofluid in a water block heat sink. International Journal of Heat and Mass Transfer, 2017, 115, 77-85.	2.5	30
16	Stability of Al2O3-water Nanofluid for Electronics Cooling System. Procedia Engineering, 2015, 105, 406-411.	1.2	26
17	Multi-objective optimisation of a seasonal solar thermal energy storage system for space heating in cold climate. Applied Energy, 2020, 268, 115047.	5.1	26
18	Performance evaluation of a shell and tube heat exchanger operated with oxide based nanofluids. Heat and Mass Transfer, 2016, 52, 1425-1433.	1.2	18

#	Article	IF	Citations
19	Convective Performance of 0.1% Volume Fraction of TiO2/water Nanofluid in an Electronic Heat Sink. Procedia Engineering, 2015, 105, 412-417.	1.2	17
20	Nanofluids for Thermal Performance Improvement in Cooling of Electronic Device. Advanced Materials Research, 2013, 832, 218-223.	0.3	16
21	Simulated performance of a borehole-coupled heat pump seasonal solar thermal storage system for space heating in cold climate. Solar Energy, 2020, 202, 365-385.	2.9	16
22	Energy, Exergy, and Friction Factor Analysis of Nanofluid as a Coolant for Electronics. Industrial & Engineering Chemistry Research, 2014, 53, 10512-10518.	1.8	13
23	Energy and Environmental Effects of Shell and Tube Heat Exchanger by Using Nanofluid as a Coolant^{â€}. Journal of Chemical Engineering of Japan, 2014, 47, 340-344.	0.3	11
24	Global Effects of MWCNT-W Nanofluid in a Shell & Tube Heat Exchanger. Advanced Materials Research, 0, 832, 154-159.	0.3	7
25	Undisturbed ground temperature in Melbourne. AIP Conference Proceedings, 2019, , .	0.3	5
26	Investigation of Heat Transfer Performances of Nanofluids Flow through a Circular Minichannel Heat Sink for Cooling of Electronics. Advanced Materials Research, 0, 832, 166-171.	0.3	1
27	Thermal Storage Technologies for Space Cooling and Heating. Green Energy and Technology, 2018, , 327-339.	0.4	1
28	Predicting Drying Performance of Osmotically Treated Heat Sensitive Products Using Artificial Intelligence. Computers, Materials and Continua, 2021, 67, 3143-3160.	1.5	1