

# Sheikh Khaleduzzaman Shah

## List of Publications by Citations

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27  
papers

1,129  
citations

16  
h-index

28  
g-index

28  
ext. papers

1,354  
ext. citations

4.9  
avg, IF

4.44  
L-index

#	Paper	IF	Citations
27	Experimental investigation on the thermo-physical properties of Al <sub>2</sub> O <sub>3</sub> nanoparticles suspended in car radiator coolant. <i>International Communications in Heat and Mass Transfer</i> , <b>2014</b> , 54, 48-53	5.8	141
26	A comparative review on the specific heat of nanofluids for energy perspective. <i>Renewable and Sustainable Energy Reviews</i> , <b>2014</b> , 38, 88-98	16.2	136
25	An experimental investigation of heat transfer enhancement of a minichannel heat sink using Al <sub>2</sub> O <sub>3</sub> /H <sub>2</sub> O nanofluid. <i>International Journal of Heat and Mass Transfer</i> , <b>2014</b> , 74, 164-172	4.9	119
24	Effect of Ultrasonication Duration on Colloidal Structure and Viscosity of Alumina/Water Nanofluid. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 6677-6684	3.9	115
23	Effect of particle concentration, temperature and surfactant on surface tension of nanofluids. <i>International Communications in Heat and Mass Transfer</i> , <b>2013</b> , 49, 110-114	5.8	93
22	Experimental investigation on effect of ultrasonication duration on colloidal dispersion and thermophysical properties of alumina/water nanofluid. <i>International Journal of Heat and Mass Transfer</i> , <b>2015</b> , 88, 73-81	4.9	69
21	Analysis of entropy generation using nanofluid flow through the circular microchannel and minichannel heat sink. <i>International Communications in Heat and Mass Transfer</i> , <b>2013</b> , 46, 85-91	5.8	64
20	Energy and exergy analysis of alumina/water nanofluid for an electronic liquid cooling system. <i>International Communications in Heat and Mass Transfer</i> , <b>2014</b> , 57, 118-127	5.8	52
19	Seasonal thermal energy storage system for cold climate zones: A review of recent developments. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 97, 38-49	16.2	46
18	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> , <b>2014</b> , 65, 699-713	2.3	45
17	Cooling performance investigation of electronics cooling system using Al <sub>2</sub> O <sub>3</sub> /H <sub>2</sub> O nanofluid. <i>International Communications in Heat and Mass Transfer</i> , <b>2015</b> , 65, 89-93	5.8	43
16	Exergy and entropy generation analysis of TiO <sub>2</sub> /water nanofluid flow through the water block as an electronics device. <i>International Journal of Heat and Mass Transfer</i> , <b>2016</b> , 101, 104-111	4.9	37
15	Rheological behavior of Al <sub>2</sub> O <sub>3</sub> /R141b nanorefrigerant. <i>International Journal of Heat and Mass Transfer</i> , <b>2014</b> , 73, 118-123	4.9	25
14	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> , <b>2017</b> , 115, 77-85	4.9	24
13	Stability of Al <sub>2</sub> O <sub>3</sub> -water Nanofluid for Electronics Cooling System. <i>Procedia Engineering</i> , <b>2015</b> , 105, 406-411		19
12	Metal-Air Batteries: A Review. <i>Energies</i> , <b>2021</b> , 14, 7373	3.1	16
11	Performance evaluation of a shell and tube heat exchanger operated with oxide based nanofluids. <i>Heat and Mass Transfer</i> , <b>2016</b> , 52, 1425-1433	2.2	15

10	Convective Performance of 0.1% Volume Fraction of TiO <sub>2</sub> /water Nanofluid in an Electronic Heat Sink. <i>Procedia Engineering</i> , <b>2015</b> , 105, 412-417		13
9	Nanofluids for Thermal Performance Improvement in Cooling of Electronic Device. <i>Advanced Materials Research</i> , <b>2013</b> , 832, 218-223	0.5	11
8	Energy and Environmental Effects of Shell and Tube Heat Exchanger by Using Nanofluid as a Coolant. <i>Journal of Chemical Engineering of Japan</i> , <b>2014</b> , 47, 340-344	0.8	11
7	Energy, Exergy, and Friction Factor Analysis of Nanofluid as a Coolant for Electronics. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 10512-10518	3.9	10
6	Multi-objective optimisation of a seasonal solar thermal energy storage system for space heating in cold climate. <i>Applied Energy</i> , <b>2020</b> , 268, 115047	10.7	9
5	Simulated performance of a borehole-coupled heat pump seasonal solar thermal storage system for space heating in cold climate. <i>Solar Energy</i> , <b>2020</b> , 202, 365-385	6.8	7
4	Global Effects of MWCNT-W Nanofluid in a Shell & Tube Heat Exchanger. <i>Advanced Materials Research</i> , <b>2013</b> , 832, 154-159	0.5	6
3	Undisturbed ground temperature in Melbourne <b>2019</b> ,		2
2	Investigation of Heat Transfer Performances of Nanofluids Flow through a Circular Minichannel Heat Sink for Cooling of Electronics. <i>Advanced Materials Research</i> , <b>2013</b> , 832, 166-171	0.5	1
1	Thermal Storage Technologies for Space Cooling and Heating. <i>Green Energy and Technology</i> , <b>2018</b> , 327-338		0