Naveed Akram

List of Publications by Year
in descending order

33 papers	1,569 citations	471061 17 h-index	395343 33 g-index
34 all docs	34 docs citations	34 times ranked	1160 citing authors

#	Article	IF	Citations
1	Numerical simulation of the effect of chimney configuration on the performance of a solar chimney power plant. Journal of Thermal Analysis and Calorimetry, 2022, 147, 2549-2563.	2.0	8
2	Optimization of Thermal and Structural Design in Lithium-Ion Batteries to Obtain Energy Efficient Battery Thermal Management System (BTMS): A Critical Review. Archives of Computational Methods in Engineering, 2022, 29, 129-194.	6.0	44
3	A facile, green fabrication of aqueous nanofluids containing hydrophilic functionalized carbon nanotubes toward improving heat transfer in a closed horizontal flow passage. Powder Technology, 2022, 404, 117451.	2.1	4
4	Characteristics investigation on heat transfer growth of sonochemically synthesized ZnO-DW based nanofluids inside square heat exchanger. Journal of Thermal Analysis and Calorimetry, 2021, 144, 1517-1534.	2.0	18
5	Experimental investigation of convective heat transfer growth on ZnO@TiO2/DW binary composites/hybrid nanofluids in a circular heat exchanger. Journal of Thermal Analysis and Calorimetry, 2021, 143, 879-898.	2.0	14
6	Characterization of Failure Strain In Fiber Reinforced Composites: Under On-Axis and Off-Axis Loading. Crystals, 2021, 11, 216.	1.0	33
7	Developments in Chemical Treatments, Manufacturing Techniques and Potential Applications of Natural-Fibers-Based Biodegradable Composites. Coatings, 2021, 11, 293.	1.2	76
8	Evaluation of Tensile Properties of Glass/Sisal and Glass/Jute Fibers Reinforced Hybrid Composites at Different Stacking Sequences. Porrime, 2021, 45, 390-397.	0.0	9
9	Effect of injection parameters and producer gas derived from redgram stalk on the performance and emission characteristics of a diesel engine. AEJ - Alexandria Engineering Journal, 2021, 60, 3133-3142.	3.4	78
10	Experimental investigation on compression ignition engine powered with pentanol and thevetia peruviana methyl ester under reactivity controlled compression ignition mode of operation. Case Studies in Thermal Engineering, 2021, 25, 100921.	2.8	61
11	Experimental investigations of the performance of a flat-plate solar collector using carbon and metal oxides based nanofluids. Energy, 2021, 227, 120452.	4.5	109
12	Experimental evaluation and numerical verification of enhanced heat transportation by using ultrasonic assisted nanofluids in a closed horizontal circular passage. Case Studies in Thermal Engineering, 2021, 26, 101026.	2.8	4
13	A cooperative heterogeneous vehicular clustering framework for efficiency improvement. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 1247-1259.	1.5	7
14	Investigation of heat transfer in dimple-protrusion micro-channel heat sinks using copper oxide nano-additives. Case Studies in Thermal Engineering, 2021, 28, 101374.	2.8	10
15	Investigation of heat transfer in wavy and dual wavy micro-channel heat sink using alumina nanoparticles. Case Studies in Thermal Engineering, 2021, 28, 101515.	2.8	13
16	Experimental investigation on drag reduction of flowing crop suspensions of the pulp fibers in circular pipe heat exchanger. Particulate Science and Technology, 2020, 38, 443-453.	1.1	4
17	An investigation on the influence of aluminium oxide nano-additive and honge oil methyl ester on engine performance, combustion and emission characteristics. Renewable Energy, 2020, 146, 2291-2307.	4.3	140
18	A comprehensive review on nanofluid operated solar flat plate collectors. Journal of Thermal Analysis and Calorimetry, 2020, 139, 1309-1343.	2.0	69

#	Article	IF	Citations
19	Thermal analyses of minichannels and use of mathematical and numerical models. Numerical Heat Transfer; Part A: Applications, 2020, 77, 497-537.	1.2	43
20	Optimum location and influence of tilt angle on performance of solar PV panels. Journal of Thermal Analysis and Calorimetry, 2020, 141, 511-532.	2.0	56
21	Performance and emission analysis of compression ignition engine using biodiesels from Acid oil, Mahua oil, and Castor oil. Heat Transfer, 2020, 49, 858-871.	1.7	14
22	Solar chimney power plant and its correlation with ambient wind effect. Journal of Thermal Analysis and Calorimetry, 2020, 141, 649-668.	2.0	22
23	Development of a Linear Acoustic Array for Aero-Acoustic Quantification of Camber-Bladed Vertical Axis Wind Turbine. Sensors, 2020, 20, 5954.	2.1	10
24	The potential of nanoparticle additives in biodiesel: A fundamental outset. AIP Conference Proceedings, 2020, , .	0.3	10
25	An Overview on Energy and Development of Energy Integration in Major South Asian Countries: The Building Sector. Energies, 2020, 13, 5776.	1.6	37
26	Investigation of Heat Transfer and Pressure Drop in Microchannel Heat Sink Using Al2O3 and ZrO2 Nanofluids. Nanomaterials, 2020, 10, 1796.	1.9	16
27	Acoustic Modes of Multi-Ion Dusty Plasmas. Journal of the Korean Physical Society, 2020, 76, 824-828.	0.3	1
28	Effect of ZnO-water based nanofluids from sonochemical synthesis method on heat transfer in a circular flow passage. International Communications in Heat and Mass Transfer, 2020, 114, 104591.	2.9	30
29	Production of honge oil methyl ester (HOME) and its performance test on four stroke single cylinder VCR engine. AIP Conference Proceedings, 2019, , .	0.3	7
30	The effects of graphene oxide nanoparticle additive stably dispersed in dairy scum oil biodiesel-diesel fuel blend on CI engine: performance, emission and combustion characteristics. Fuel, 2019, 257, 116015.	3.4	152
31	An experimental investigation on the performance of a flat-plate solar collector using eco-friendly treated graphene nanoplateletsâ€“water nanofluids. Journal of Thermal Analysis and Calorimetry, 2019, 138, 609-621.	2.0	78
32	The effect of nano-additives in diesel-biodiesel fuel blends: A comprehensive review on stability, engine performance and emission characteristics. Energy Conversion and Management, 2018, 178, 146-177.	4.4	362
33	Heating and Cooling Degree-Days Maps of Pakistan. Energies, 2018, 11, 94.	1.6	30