

Salim Newaz Kazi

List of Publications by Year in descending order

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190
papers

9,734
citations

26567

56
h-index

43802

91
g-index

193
all docs

193
docs citations

193
times ranked

6955
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance investigation of an automotive car radiator operated with nanofluid-based coolants (nanofluid as a coolant in a radiator). <i>Applied Thermal Engineering</i> , 2010, 30, 2685-2692.	3.0	369
2	Investigation of thermal conductivity and rheological properties of nanofluids containing graphene nanoplatelets. <i>Nanoscale Research Letters</i> , 2014, 9, 15.	3.1	341
3	Graphene nanoplatelets-silver hybrid nanofluids for enhanced heat transfer. <i>Energy Conversion and Management</i> , 2015, 100, 419-428.	4.4	273
4	Investigation of nanofluid mixed convection in a shallow cavity using a two-phase mixture model. <i>International Journal of Thermal Sciences</i> , 2014, 75, 204-220.	2.6	263
5	Mixed convection of copper-water nanofluid in a shallow inclined lid driven cavity using the lattice Boltzmann method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 402, 150-168.	1.2	263
6	A comprehensive review of thermo-physical properties and convective heat transfer to nanofluids. <i>Energy</i> , 2015, 89, 1065-1086.	4.5	226
7	Basic effects of pulp refining on fiber properties-A review. <i>Carbohydrate Polymers</i> , 2015, 115, 785-803.	5.1	225
8	A review on the performance of nanoparticles suspended with refrigerants and lubricating oils in refrigeration systems. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 310-323.	8.2	223
9	Investigation of Heat Transfer Enhancement in a Forward-Facing Contracting Channel Using FMWCNT Nanofluids. <i>Numerical Heat Transfer; Part A: Applications</i> , 2014, 66, 1321-1340.	1.2	220
10	A review of Safety, Health and Environmental (SHE) issues of solar energy system. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 41, 1190-1204.	8.2	210
11	An experimental study on thermal conductivity and viscosity of nanofluids containing carbon nanotubes. <i>Nanoscale Research Letters</i> , 2014, 9, 151.	3.1	195
12	Thermal conductivity and viscosity models of metallic oxides nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2018, 116, 1314-1325.	2.5	185
13	Stability and thermophysical properties of non-covalently functionalized graphene nanoplatelets nanofluids. <i>Energy Conversion and Management</i> , 2016, 116, 101-111.	4.4	170
14	Study of synthesis, stability and thermo-physical properties of graphene nanoplatelet/platinum hybrid nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2016, 77, 15-21.	2.9	161
15	A bio-based, facile approach for the preparation of covalently functionalized carbon nanotubes aqueous suspensions and their potential as heat transfer fluids. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 115-123.	5.0	147
16	Electrochemical investigation on the corrosion inhibition of mild steel by Quinazoline Schiff base compounds in hydrochloric acid solution. <i>Journal of Colloid and Interface Science</i> , 2017, 502, 134-145.	5.0	137
17	Energy savings and emissions reductions for rewinding and replacement of industrial motor. <i>Energy</i> , 2011, 36, 233-240.	4.5	127
18	A comprehensive literature review of bio-fuel performance in internal combustion engine and relevant costs involvement. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 30, 29-44.	8.2	126

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19	Performance dependence of thermosyphon on the functionalization approaches: An experimental study on thermo-physical properties of graphene nanoplatelet-based water nanofluids. <i>Energy Conversion and Management</i> , 2015, 92, 322-330.	4.4	123
20	Pool boiling heat transfer of CNT/water nanofluids. <i>Applied Thermal Engineering</i> , 2014, 71, 450-459.	3.0	114
21	A review of studies on using nanofluids in flat-plate solar collectors. <i>Solar Energy</i> , 2015, 122, 1245-1265.	2.9	113
22	Numerical simulation of laminar to turbulent nanofluid flow and heat transfer over a backward-facing step. <i>Applied Mathematics and Computation</i> , 2014, 239, 153-170.	1.4	112
23	An experimental and numerical investigation of heat transfer enhancement for graphene nanoplatelets nanofluids in turbulent flow conditions. <i>International Journal of Heat and Mass Transfer</i> , 2015, 81, 41-51.	2.5	109
24	Experimental investigations of the performance of a flat-plate solar collector using carbon and metal oxides based nanofluids. <i>Energy</i> , 2021, 227, 120452.	4.5	109
25	Preparation, characterization, viscosity, and thermal conductivity of nitrogen-doped graphene aqueous nanofluids. <i>Journal of Materials Science</i> , 2014, 49, 7156-7171.	1.7	108
26	Effect of specific surface area on convective heat transfer of graphene nanoplatelet aqueous nanofluids. <i>Experimental Thermal and Fluid Science</i> , 2015, 68, 100-108.	1.5	103
27	A survey on experimental and numerical studies of convection heat transfer of nanofluids inside closed conduits. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401667356.	0.8	101
28	Investigation of Micro- and Nanosized Particle Erosion in a 90° Pipe Bend Using a Two-Phase Discrete Phase Model. <i>Scientific World Journal</i> , The, 2014, 2014, 1-12.	0.8	99
29	Experimental investigation of thermo-physical properties, convective heat transfer and pressure drop of functionalized graphene nanoplatelets aqueous nanofluid in a square heated pipe. <i>Energy Conversion and Management</i> , 2016, 114, 38-49.	4.4	93
30	A facile, bio-based, novel approach for synthesis of covalently functionalized graphene nanoplatelet nano-coolants toward improved thermo-physical and heat transfer properties. <i>Journal of Colloid and Interface Science</i> , 2018, 509, 140-152.	5.0	90
31	Experimental Investigation of Convective Heat Transfer Using Graphene Nanoplatelet Based Nanofluids under Turbulent Flow Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 12455-12465.	1.8	88
32	Numerical Study of Entropy Generation due to Coupled Laminar and Turbulent Mixed Convection and Thermal Radiation in an Enclosure Filled with a Semitransparent Medium. <i>Scientific World Journal</i> , The, 2014, 2014, 1-8.	0.8	86
33	Stability and thermophysical properties of water-based nanofluids containing triethanolamine-treated graphene nanoplatelets with different specific surface areas. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 500, 17-31.	2.3	86
34	Synthesis of ethylene glycol-treated Graphene Nanoplatelets with one-pot, microwave-assisted functionalization for use as a high performance engine coolant. <i>Energy Conversion and Management</i> , 2015, 101, 767-777.	4.4	83
35	A comprehensive review of bio-diesel as alternative fuel for compression ignition engines. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 28, 410-424.	8.2	81
36	Nanofluid based on activated hybrid of biomass carbon/graphene oxide: Synthesis, thermo-physical and electrical properties. <i>International Communications in Heat and Mass Transfer</i> , 2016, 72, 10-15.	2.9	79

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37	An experimental study of PCM based finned and un-finned heat sinks for passive cooling of electronics. <i>Heat and Mass Transfer</i> , 2018, 54, 3587-3598.	1.2	78
38	An experimental investigation on the performance of a flat-plate solar collector using eco-friendly treated graphene nanoplateletsâ€“water nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 609-621.	2.0	78
39	Investigation on the use of graphene oxide as novel surfactant to stabilize weakly charged graphene nanoplatelets. <i>Nanoscale Research Letters</i> , 2015, 10, 212.	3.1	77
40	Calcium carbonate fouling on double-pipe heat exchanger with different heat exchanging surfaces. <i>Powder Technology</i> , 2017, 315, 216-226.	2.1	77
41	Toward improved engine performance with crumpled nitrogen-doped graphene based waterâ€“ethylene glycol coolant. <i>Chemical Engineering Journal</i> , 2016, 289, 583-595.	6.6	76
42	Mineral scale formation and mitigation on metals and a polymeric heat exchanger surface. <i>Applied Thermal Engineering</i> , 2010, 30, 2236-2242.	3.0	74
43	Comparison of the Finite Volume and Lattice Boltzmann Methods for Solving Natural Convection Heat Transfer Problems inside Cavities and Enclosures. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-15.	0.3	72
44	Thermal performance of nanofluid in ducts with double forward-facing steps. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 47, 28-42.	2.7	71
45	Investigation of viscosity and thermal conductivity of alumina nanofluids with addition of SDBS. <i>Heat and Mass Transfer</i> , 2013, 49, 1109-1115.	1.2	69
46	Laminar convective heat transfer of hexylamine-treated MWCNTs-based turbine oil nanofluid. <i>Energy Conversion and Management</i> , 2015, 105, 355-367.	4.4	69
47	A comprehensive review on nanofluid operated solar flat plate collectors. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 1309-1343.	2.0	69
48	Study of mineral fouling mitigation on heat exchanger surface. <i>Desalination</i> , 2015, 367, 248-254.	4.0	68
49	A novel, eco-friendly technique for covalent functionalization of graphene nanoplatelets and the potential of their nanofluids for heat transfer applications. <i>Chemical Physics Letters</i> , 2017, 675, 92-97.	1.2	68
50	Numerical Study of Entropy Generation in a Flowing Nanofluid Used in Micro- and Minichannels. <i>Entropy</i> , 2013, 15, 144-155.	1.1	67
51	Investigation of pollutant reduction by simulation of turbulent non-premixed pulverized coal combustion. <i>Applied Thermal Engineering</i> , 2014, 73, 1222-1235.	3.0	65
52	Transformer oil based multi-walled carbon nanotubeâ€“hexylamine coolant with optimized electrical, thermal and rheological enhancements. <i>RSC Advances</i> , 2015, 5, 107222-107236.	1.7	64
53	Microwave-Assisted Synthesis of Highly-Crumpled, Few-Layered Graphene and Nitrogen-Doped Graphene for Use as High-Performance Electrodes in Capacitive Deionization. <i>Scientific Reports</i> , 2015, 5, 17503.	1.6	62
54	Entropy Generation during Turbulent Flow of Zirconia-water and Other Nanofluids in a Square Cross Section Tube with a Constant Heat Flux. <i>Entropy</i> , 2014, 16, 6116-6132.	1.1	61

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55	Spongy nitrogen-doped activated carbonaceous hybrid derived from biomass material/graphene oxide for supercapacitor electrodes. RSC Advances, 2015, 5, 40505-40513.	1.7	59
56	Synthesis of aspartic acid-treated multi-walled carbon nanotubes based water coolant and experimental investigation of thermal and hydrodynamic properties in circular tube. Energy Conversion and Management, 2015, 105, 1366-1376.	4.4	59
57	Mass production of highly-porous graphene for high-performance supercapacitors. Scientific Reports, 2016, 6, 32686.	1.6	58
58	A review of studies on forced, natural and mixed heat transfer to fluid and nanofluid flow in an annular passage. Renewable and Sustainable Energy Reviews, 2014, 39, 835-856.	8.2	54
59	Blended morphologies of plasmonic nanofluids for direct absorption applications. Applied Energy, 2018, 229, 505-521.	5.1	53
60	Study of environmentally friendly and facile functionalization of graphene nanoplatelet and its application in convective heat transfer. Energy Conversion and Management, 2017, 150, 26-36.	4.4	52
61	A review of recent advances in green nanofluids and their application in thermal systems. Chemical Engineering Journal, 2022, 429, 132321.	6.6	52
62	Numerical Investigation of Heat Transfer Enhancement in a Rectangular Heated Pipe for Turbulent Nanofluid. Scientific World Journal, The, 2014, 2014, 1-9.	0.8	51
63	Experimental and numerical investigation of thermophysical properties, heat transfer and pressure drop of covalent and noncovalent functionalized graphene nanoplatelet-based water nanofluids in an annular heat exchanger. International Communications in Heat and Mass Transfer, 2015, 68, 267-275.	2.9	51
64	Heat transfer and pressure drop investigation through pipe with different shapes using different types of nanofluids. Journal of Thermal Analysis and Calorimetry, 2020, 139, 1637-1653.	2.0	51
65	Boundary Layer Flow and Heat Transfer of FMWCNT/Water Nanofluids over a Flat Plate. Fluids, 2016, 1, 31.	0.8	50
66	Nitrogen doped activated carbon/graphene with high nitrogen level: Green synthesis and thermo-electrical properties of its nanofluid. Materials Letters, 2015, 152, 192-195.	1.3	49
67	A review of milk fouling on heat exchanger surfaces. Reviews in Chemical Engineering, 2013, 29, .	2.3	48
68	Metal cutting lubricants and cutting tools: a review on the performance improvement and sustainability assessment. International Journal of Advanced Manufacturing Technology, 2020, 106, 4221-4245.	1.5	48
69	Fouling and fouling mitigation on heated metal surfaces. Desalination, 2012, 288, 126-134.	4.0	47
70	Experimental investigation on the use of reduced graphene oxide and its hybrid complexes in improving closed conduit turbulent forced convective heat transfer. Experimental Thermal and Fluid Science, 2015, 66, 290-303.	1.5	47
71	Nanofluids for flat plate solar collectors: Fundamentals and applications. Journal of Cleaner Production, 2021, 291, 125725.	4.6	47
72	Synthesis of polyethylene glycol-functionalized multi-walled carbon nanotubes with a microwave-assisted approach for improved heat dissipation. RSC Advances, 2015, 5, 35425-35434.	1.7	46

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73	Thermal efficiency of a flat-plate solar collector filled with Pentaethylene Glycol-Treated Graphene Nanoplatelets: An experimental analysis. <i>Solar Energy</i> , 2019, 191, 360-370.	2.9	44
74	Numerical simulation of heat transfer and separation Al ₂ O ₃ /nanofluid flow in concentric annular pipe. <i>International Communications in Heat and Mass Transfer</i> , 2016, 71, 108-117.	2.9	41
75	Corrosion protection of AISI 1018 steel using Co-doped TiO ₂ /polypyrrole nanocomposites in 3.5% NaCl solution. <i>Materials Chemistry and Physics</i> , 2017, 192, 361-373.	2.0	41
76	Convective heat transfer enhancement with graphene nanoplatelet/platinum hybrid nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2017, 88, 120-125.	2.9	41
77	Experimental study on thermo-physical and rheological properties of stable and green reduced graphene oxide nanofluids: Hydrothermal assisted technique. <i>Journal of Dispersion Science and Technology</i> , 2017, 38, 1302-1310.	1.3	39
78	CFD modeling of turbulent convection heat transfer of nanofluids containing green functionalized graphene nanoplatelets flowing in a horizontal tube: Comparison with experimental data. <i>Journal of Molecular Liquids</i> , 2018, 269, 152-159.	2.3	39
79	<i>in vitro</i> and <i>in vivo</i> study of hazardous effects of Ag nanoparticles and Arginine-treated multi walled carbon nanotubes on blood cells: Application in hemodialysis membranes. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 2959-2965.	2.1	38
80	Fouling mitigation on heat exchanger surfaces by EDTA-treated MWCNT-based water nanofluids. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 60, 445-452.	2.7	36
81	Retardation of heat exchanger surfaces mineral fouling by water-based diethylenetriamine pentaacetate-treated CNT nanofluids. <i>Applied Thermal Engineering</i> , 2017, 110, 495-503.	3.0	36
82	Facile, environmentally friendly, cost effective and scalable production of few-layered graphene. <i>Chemical Engineering Journal</i> , 2017, 326, 1105-1115.	6.6	35
83	Social acceptance of solar energy in Malaysia: users' perspective. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 1975-1986.	2.1	33
84	Thermophysical properties and stability of carbon nanostructures and metallic oxides nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 1545-1562.	2.0	33
85	Backward-facing step heat transfer of the turbulent regime for functionalized graphene nanoplatelets based water-ethylene glycol nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2016, 97, 538-546.	2.5	32
86	Highly dispersed reduced graphene oxide and its hybrid complexes as effective additives for improving thermophysical property of heat transfer fluid. <i>International Journal of Heat and Mass Transfer</i> , 2015, 87, 284-294.	2.5	31
87	Effect of Temperature on the Physical, Electro-Chemical and Adsorption Properties of Carbon Micro-Spheres Using Hydrothermal Carbonization Process. <i>Nanomaterials</i> , 2018, 8, 597.	1.9	31
88	Turbulent heat transfer and nanofluid flow in an annular cylinder with sudden reduction. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 373-385.	2.0	31
89	Heat transfer and fouling deposition investigation on the titanium coated heat exchanger surface. <i>Powder Technology</i> , 2020, 373, 671-680.	2.1	31
90	Numerical simulation of heat transfer to separation air flow in an annular pipe. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 1176-1180.	2.9	30

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91	Numerical study of turbulent heat transfer of nanofluids containing eco-friendly treated carbon nanotubes through a concentric annular heat exchanger. <i>International Journal of Heat and Mass Transfer</i> , 2018, 127, 403-412.	2.5	30
92	Graphene nanoplatelets and few-layer graphene studies in thermo-physical properties and particle characterization. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 1081-1093.	2.0	30
93	Effect of ZnO-water based nanofluids from sonochemical synthesis method on heat transfer in a circular flow passage. <i>International Communications in Heat and Mass Transfer</i> , 2020, 114, 104591.	2.9	30
94	A Comprehensive Review of Milk Fouling on Heated Surfaces. <i>Critical Reviews in Food Science and Nutrition</i> , 2015, 55, 1724-1743.	5.4	29
95	Toward improved heat transfer performance of annular heat exchangers with water/ethylene glycol-based nanofluids containing graphene nanoplatelets. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 126, 1427-1436.	2.0	29
96	Experimental investigation of the propylene glycol-treated graphene nanoplatelets for the enhancement of closed conduit turbulent convective heat transfer. <i>International Communications in Heat and Mass Transfer</i> , 2016, 73, 43-53.	2.9	29
97	Experimental Study on Heat Transfer and Thermo-Physical Properties of Covalently Functionalized Carbon Nanotubes Nanofluids in an Annular Heat Exchanger: A Green and Novel Synthesis. <i>Energy & Fuels</i> , 2017, 31, 5635-5644.	2.5	29
98	Thermal performance of a flat-plate solar collector using aqueous colloidal dispersions of graphene nanoplatelets with different specific surface areas. <i>Applied Thermal Engineering</i> , 2020, 172, 115142.	3.0	29
99	Heat transfer enhancement of water-based highly crumpled few-layer graphene nanofluids. <i>RSC Advances</i> , 2016, 6, 105508-105527.	1.7	28
100	Energy, exergy and economic analysis of liquid flat-plate solar collector using green covalent functionalized graphene nanoplatelets. <i>Applied Thermal Engineering</i> , 2021, 192, 116916.	3.0	27
101	Ultrasonic assisted new Al ₂ O ₃ @TiO ₂ -ZnO/DW ternary composites nanofluids for enhanced energy transportation in a closed horizontal circular flow passage. <i>International Communications in Heat and Mass Transfer</i> , 2021, 120, 105018.	2.9	26
102	Review on aqueous graphene nanoplatelet Nanofluids: Preparation, Stability, thermophysical Properties, and applications in heat exchangers and solar thermal collectors. <i>Applied Thermal Engineering</i> , 2022, 210, 118342.	3.0	26
103	Cadmium ion sorption from aqueous solutions by high surface area ethylenediaminetetraacetic acid- and diethylene triamine pentaacetic acid-treated carbon nanotubes. <i>RSC Advances</i> , 2015, 5, 71144-71152.	1.7	25
104	Computational simulation of heat transfer to separation fluid flow in an annular passage. <i>International Communications in Heat and Mass Transfer</i> , 2013, 46, 92-96.	2.9	24
105	Sustainability and environmental impact of ethanol as a biofuel. <i>Reviews in Chemical Engineering</i> , 2014, 30, .	2.3	24
106	Functionalization and exfoliation of graphite into mono layer graphene for improved heat dissipation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 71, 480-493.	2.7	24
107	Development of a new density correlation for carbon-based nanofluids using response surface methodology. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 132, 1399-1407.	2.0	24
108	A brief review study of flow phenomena over a backward-facing step and its optimization. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 994-1005.	8.2	24

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109	An experimental study of heat transfer to turbulent separation fluid flow in an annular passage. <i>International Journal of Heat and Mass Transfer</i> , 2011, 54, 766-773.	2.5	23
110	Experimental investigation on the use of highly charged nanoparticles to improve the stability of weakly charged colloidal system. <i>Journal of Colloid and Interface Science</i> , 2015, 454, 245-255.	5.0	23
111	Microwave-assisted direct coupling of graphene nanoplatelets with poly ethylene glycol and 4-phenylazophenol molecules for preparing stable-colloidal system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 487, 131-141.	2.3	23
112	Experimental study on a feasibility of using electromagnetic wave cylindrical cavity sensor to monitor the percentage of water fraction in a two phase system. <i>Sensors and Actuators A: Physical</i> , 2016, 245, 140-149.	2.0	23
113	A new approach to evaluate the impact of thermophysical properties of nanofluids on heat transfer and pressure drop. <i>International Communications in Heat and Mass Transfer</i> , 2018, 95, 161-170.	2.9	23
114	CFD Simulation of Heat Transfer and Turbulent Fluid Flow over a Double Forward-Facing Step. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-10.	0.6	21
115	Experimental investigation of thermophysical properties and heat transfer rate of covalently functionalized MWCNT in an annular heat exchanger. <i>International Communications in Heat and Mass Transfer</i> , 2016, 75, 67-77.	2.9	21
116	Synthesis, stability, and thermophysical properties of aqueous colloidal dispersions of multi-walled carbon nanotubes treated with beta-alanine. <i>International Communications in Heat and Mass Transfer</i> , 2017, 89, 7-17.	2.9	21
117	Fouling and fouling mitigation of calcium compounds on heat exchangers by novel colloids and surface modifications. <i>Reviews in Chemical Engineering</i> , 2020, 36, 653-685.	2.3	21
118	Effects of binary hybrid nanofluid on heat transfer and fluid flow in a triangular-corrugated channel: An experimental and numerical study. <i>Powder Technology</i> , 2022, 395, 267-279.	2.1	21
119	Experimental investigation on rheological, momentum and heat transfer characteristics of flowing fiber crop suspensions. <i>International Communications in Heat and Mass Transfer</i> , 2017, 80, 60-69.	2.9	20
120	Turbulent heat transfer to separation nanofluid flow in annular concentric pipe. <i>International Journal of Thermal Sciences</i> , 2017, 117, 14-25.	2.6	20
121	Performance evaluation of latent heat energy storage in horizontal shell-and-finned tube for solar application. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 1371-1381.	2.0	19
122	Characteristics investigation on heat transfer growth of sonochemically synthesized ZnO-DW based nanofluids inside square heat exchanger. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 1517-1534.	2.0	18
123	Fiber-modified scaling in heat transfer fouling mitigation. <i>Chemical Engineering Communications</i> , 2002, 189, 742-758.	1.5	17
124	Fouling mitigation of heat exchangers with natural fibres. <i>Applied Thermal Engineering</i> , 2013, 50, 1142-1148.	3.0	17
125	Validation of heat transfer and friction loss data for fibre suspensions in a circular and a coaxial pipe heat exchanger. <i>International Journal of Thermal Sciences</i> , 2014, 79, 146-160.	2.6	17
126	Investigation on the Use of Graphene Oxide as Novel Surfactant for Stabilizing Carbon Based Materials. <i>Journal of Dispersion Science and Technology</i> , 2016, 37, 1395-1407.	1.3	17

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127	Experimental investigation of heat transfer performance and frictional loss of functionalized GNP-based water coolant in a closed conduit flow. RSC Advances, 2016, 6, 4552-4563.	1.7	17
128	Experimental study on the effects of multi-resonance plasmonic nanoparticles for improving the solar collector efficiency. Renewable Energy, 2022, 187, 1204-1223.	4.3	15
129	Optimization model of peach production relevant to input energies " Yield function in Chaharmahal va Bakhtiari province, Iran. Energy, 2016, 99, 315-321.	4.5	14
130	Experimental investigation of convective heat transfer growth on ZnO@TiO ₂ /DW binary composites/hybrid nanofluids in a circular heat exchanger. Journal of Thermal Analysis and Calorimetry, 2021, 143, 879-898.	2.0	14
131	Heat transfer performance of water-based tetrahydrofurfuryl polyethylene glycol-treated graphene nanoplatelet nanofluids. RSC Advances, 2016, 6, 65654-65669.	1.7	13
132	Detection of the gas-liquid two-phase flow regimes using non-intrusive microwave cylindrical cavity sensor. Journal of Electromagnetic Waves and Applications, 2016, 30, 2241-2255.	1.0	13
133	Heat transfer and pressure drop characteristics of suspensions of synthetic and wood pulp fibres in annular flow. Applied Thermal Engineering, 2011, 31, 2971-2980.	3.0	12
134	Validation of heat transfer data for fibre suspensions in coaxial pipe heat exchangers. Experimental Thermal and Fluid Science, 2012, 38, 210-222.	1.5	12
135	Hydrodynamic and thermal performance prediction of functionalized MWNT-based water nanofluids under the laminar flow regime using the adaptive neuro-fuzzy inference system. Numerical Heat Transfer; Part A: Applications, 2016, 70, 103-116.	1.2	12
136	Thermal performance of a flat-plate solar collector using aqueous colloidal dispersions of multi-walled carbon nanotubes with different outside diameters. Experimental Heat Transfer, 2022, 35, 258-281.	2.3	12
137	An experimental investigation of eco-friendly treated GNP heat transfer growth: circular and square conduit comparison. Journal of Thermal Analysis and Calorimetry, 2021, 145, 139-151.	2.0	12
138	Experimental and Theoretical Analysis of Energy Efficiency in a Flat Plate Solar Collector Using Monolayer Graphene Nanofluids. Sustainability, 2021, 13, 5416.	1.6	12
139	Public acceptance of solar energy: The case of Peninsular Malaysia. , 2013, , .		11
140	Heat transfer coefficient of flowing wood pulp fibre suspensions to monitor fibre and paper quality. Applied Thermal Engineering, 2015, 78, 172-184.	3.0	11
141	Optimization of a synthetic jet actuator for flow control around an airfoil. IOP Conference Series: Materials Science and Engineering, 2016, 152, 012023.	0.3	11
142	Experimental study on the effect of bio-functionalized graphene nanoplatelets on the thermal performance of liquid flat plate solar collector. Journal of Thermal Analysis and Calorimetry, 2022, 147, 1657-1674.	2.0	11
143	Indoor Solar Thermal Energy Saving Time with Phase Change Material in a Horizontal Shell and Finned-Tube Heat Exchanger. Scientific World Journal, The, 2015, 2015, 1-7.	0.8	10
144	Design and implementation of a non-invasive real-time microwave sensor for assessing water hardness in heat exchangers. Journal of Electromagnetic Waves and Applications, 2018, 32, 797-811.	1.0	10

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145	Thermal performance evaluation for alumina coated MWCNTs composite nanofluid in annular passage of various eccentricities. Powder Technology, 2021, 391, 114-132.	2.1	10
146	Experimental investigation on momentum and drag reduction of Malaysian crop suspensions in closed conduit flow. IOP Conference Series: Materials Science and Engineering, 2017, 210, 012065.	0.3	9
147	Polyaniline/graphene oxide/Zn-doped TiO ₂ nanocomposite coatings for the corrosion protection of carbon steel. Journal of Adhesion Science and Technology, 2021, 35, 2483-2505.	1.4	9
148	Simulation of heat transfer to separation Air flow in a concentric pipe. International Communications in Heat and Mass Transfer, 2014, 57, 48-52.	2.9	8
149	Heat transfer performance of closed conduit turbulent flow: Constant mean velocity and temperature do matter!. Journal of the Taiwan Institute of Chemical Engineers, 2016, 64, 285-298.	2.7	8
150	Development of a new driving impact system to be used in experimental modal analysis (EMA) under operational condition. Sensors and Actuators A: Physical, 2017, 263, 398-414.	2.0	8
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