Salim Newaz Kazi

List of Publications by Year
in descending order

190	9,734	26567 56	43802 91
papers	citations	h-index	g-index

193	193	193	6955
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	Effects of binary hybrid nanofluid on heat transfer and fluid flow in a triangular-corrugated channel: An experimental and numerical study. Powder Technology, 2022, 395, 267-279.	2.1	21
4	A review of recent advances in green nanofluids and their application in thermal systems. Chemical Engineering Journal, 2022, 429, 132321.	6.6	52
5	Hydrothermal and energy analysis of flat plate solar collector using copper oxide nanomaterials with different morphologies: Economic performance. Sustainable Energy Technologies and Assessments, 2022, 49, 101772.	1.7	5
6	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
7	Particulate matter: Interfacial properties, fouling, and its mitigation. , 2022, , 97-140.		0
8	Review on aqueous graphene nanoplatelet Nanofluids: Preparation, Stability, thermophysical Properties, and applications in heat exchangers and solar thermal collectors. Applied Thermal Engineering, 2022, 210, 118342.	3.0	26
9	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
10	Nanofluids thermal performance in the horizontal annular passages: a recent comprehensive review. Journal of Thermal Analysis and Calorimetry, 2022, 147, 11633-11660.	2.0	5
11	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
12	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
13	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
14	One-pot sonochemical synthesis route for the synthesis of ZnO@TiO2/DW hybrid/composite nanofluid for enhancement of heat transfer in a square heat exchanger. Journal of Thermal Analysis and Calorimetry, 2021, 143, 1139-1155.	2.0	5
15	Fouling and fouling mitigation of mineral salt using bio-based functionalized graphene nano-plates. Journal of Thermal Analysis and Calorimetry, 2021, 146, 265-275.	2.0	4
16	Ultrasonic assisted new Al2O3@TiO2-ZnO/DW ternary composites nanofluids for enhanced energy transportation in a closed horizontal circular flow passage. International Communications in Heat and Mass Transfer, 2021, 120, 105018.	2.9	26
17	Graphene Nanoplatelets Suspended in Different Basefluids Based Solar Collector: An Experimental and Analytical Study. Processes, 2021, 9, 302.	1.3	5
18	Polyaniline/graphene oxide/Zn-doped TiO₂ nanocomposite coatings for the corrosion protection of carbon steel. Journal of Adhesion Science and Technology, 2021, 35, 2483-2505.	1.4	9

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19	Evaluation on Enhanced Heat Transfer Using Sonochemically Synthesized Stable Zno-Eg@Dw Nanofluids in Horizontal Calibrated Circular Flow Passage. Energies, 2021, 14, 2400.	1.6	5
20	Nanofluids for flat plate solar collectors: Fundamentals and applications. Journal of Cleaner Production, 2021, 291, 125725.	4.6	47
21	Experimental and Theoretical Analysis of Energy Efficiency in a Flat Plate Solar Collector Using Monolayer Graphene Nanofluids. Sustainability, 2021, 13, 5416.	1.6	12
22	Energy, exergy and economic analysis of liquid flat-plate solar collector using green covalent functionalized graphene nanoplatelets. Applied Thermal Engineering, 2021, 192, 116916.	3.0	27
23	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
24	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
25	Thermal performance evaluation for alumina coated MWCNTs composite nanofluid in annular passage of various eccentricities. Powder Technology, 2021, 391, 114-132.	2.1	10
26	Investigation of heat transfer enhancement in an annular conduit with angled fins using functionalized GNP colloidal suspension. IOP Conference Series: Earth and Environmental Science, 2021, 945, 012058.	0.2	1
27	Fouling and fouling mitigation of calcium compounds on heat exchangers by novel colloids and surface modifications. Reviews in Chemical Engineering, 2020, 36, 653-685.	2.3	21
28	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
29	Covalently functionalized pentaethylene glycol-thermally treated graphene towards enhanced thermophysical and heat transfer characteristics. Journal of Thermal Analysis and Calorimetry, 2020, 140, 859-874.	2.0	3
30	A comprehensive review on nanofluid operated solar flat plate collectors. Journal of Thermal Analysis and Calorimetry, 2020, 139, 1309-1343.	2.0	69
31	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
32	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
33	Heat transfer in turbulent nanofluids: Separation flow studies and development of novel correlations. Advanced Powder Technology, 2020, 31, 3120-3133.	2.0	6
34	Turbulent heat transfer and nanofluid flow in an annular cylinder with sudden reduction. Journal of Thermal Analysis and Calorimetry, 2020, 141, 373-385.	2.0	31
35	Heat transfer and fouling deposition investigation on the titanium coated heat exchanger surface. Powder Technology, 2020, 373, 671-680.	2.1	31
36	Thermal Transport Feasibility of (Water + Ethylene Glycol)-Based Nanofluids Containing Metallic Oxides: Mathematical Approach. IOP Conference Series: Materials Science and Engineering, 2020, 854, 012023.	0.3	1

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37	Thermal performance of a flat-plate solar collector using aqueous colloidal dispersions of graphene nanoplatelets with different specific surface areas. Applied Thermal Engineering, 2020, 172, 115142.	3.0	29
38	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
39	An innovative approach for conducting experimental modal analysis (EMA) in running harmonic for structural modal identification. Measurement: Journal of the International Measurement Confederation, 2020, 159, 107795.	2.5	8
40	The Effects of Hydrophobicity and Drainage Velocity on Water Retention Behaviour in Porous Media: A Computational Study. International Journal of Air-Conditioning and Refrigeration, 2020, 28, 2050034.	0.8	0
41	Graphene nanoplatelets and few-layer graphene studies in thermo-physical properties and particle characterization. Journal of Thermal Analysis and Calorimetry, 2019, 135, 1081-1093.	2.0	30
42	Thermal efficiency of a flat-plate solar collector filled with Pentaethylene Glycol-Treated Graphene Nanoplatelets: An experimental analysis. Solar Energy, 2019, 191, 360-370.	2.9	44
43	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
44	Thermophysical properties and stability of carbon nanostructures and metallic oxides nanofluids. Journal of Thermal Analysis and Calorimetry, 2019, 135, 1545-1562.	2.0	33
45	Computational Modelling of Droplet Dynamics Behaviour in Polymer Electrolyte Membrane Fuel Cells: A Review. Journal of Electrochemical Science and Technology, 2019, 10, 345-360.	0.9	4
46	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
47	Development of a new density correlation for carbon-based nanofluids using response surface methodology. Journal of Thermal Analysis and Calorimetry, 2018, 132, 1399-1407.	2.0	24
48	The effect of nanocrystalline cellulose on flow properties of fiber crop aqueous suspension. Carbohydrate Polymers, 2018, 184, 376-382.	5.1	5
49	A facile, bio-based, novel approach for synthesis of covalently functionalized graphene nanoplatelet nano-coolants toward improved thermo-physical and heat transfer properties. Journal of Colloid and Interface Science, 2018, 509, 140-152.	5.0	90
50	A brief review study of flow phenomena over a backward-facing step and its optimization. Renewable and Sustainable Energy Reviews, 2018, 82, 994-1005.	8.2	24
51	Effect of various refining processes for Kenaf Bast non-wood pulp fibers suspensions on heat transfer coefficient in circular pipe heat exchanger. Heat and Mass Transfer, 2018, 54, 875-882.	1.2	2
52	Thermal conductivity and viscosity models of metallic oxides nanofluids. International Journal of Heat and Mass Transfer, 2018, 116, 1314-1325.	2.5	185
53	INCREASE IN CONVECTIVE HEAT TRANSFER OVER A BACKWARD-FACING STEP IMMERSED IN A WATER-BASED TiO2 NANOFLUID. Heat Transfer Research, 2018, 49, 1419-1429.	0.9	3
54	Sliding behavior of droplet on a hydrophobic surface with hydrophilic cavities: A simulation study. Physics of Fluids, 2018, 30, 122006.	1.6	8

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55	Comparative analysis of heat transfer coefficient for wood and non-wood pulp fiber. IOP Conference Series: Materials Science and Engineering, 2018, 414, 012027.	0.3	0
56	A new approach to evaluate the impact of thermophysical properties of nanofluids on heat transfer and pressure drop. International Communications in Heat and Mass Transfer, 2018, 95, 161-170.	2.9	23
57	An experimental study of PCM based finned and un-finned heat sinks for passive cooling of electronics. Heat and Mass Transfer, 2018, 54, 3587-3598.	1.2	78
58	Investigation on the feasibility of eliminating harmonic excitation signal en-route to performing experimental modal analysis (EMA) under operational condition. Journal of Mechanical Science and Technology, 2018, 32, 3009-3021.	0.7	2
59	Blended morphologies of plasmonic nanofluids for direct absorption applications. Applied Energy, 2018, 229, 505-521.	5.1	53
60	Numerical study of turbulent heat transfer of nanofluids containing eco-friendly treated carbon nanotubes through a concentric annular heat exchanger. International Journal of Heat and Mass Transfer, 2018, 127, 403-412.	2.5	30
61	Effect of Temperature on the Physical, Electro-Chemical and Adsorption Properties of Carbon Micro-Spheres Using Hydrothermal Carbonization Process. Nanomaterials, 2018, 8, 597.	1.9	31
62	CFD modeling of turbulent convection heat transfer of nanofluids containing green functionalized graphene nanoplatelets flowing in a horizontal tube: Comparison with experimental data. Journal of Molecular Liquids, 2018, 269, 152-159.	2.3	39
63	Experimental investigation on rheological, momentum and heat transfer characteristics of flowing fiber crop suspensions. International Communications in Heat and Mass Transfer, 2017, 80, 60-69.	2.9	20
64	Corrosion protection of AISI 1018 steel using Co-doped TiO 2 /polypyrrole nanocomposites in 3.5% NaCl solution. Materials Chemistry and Physics, 2017, 192, 361-373.	2.0	41
65	A novel, eco-friendly technique for covalent functionalization of graphene nanoplatelets and the potential of their nanofluids for heat transfer applications. Chemical Physics Letters, 2017, 675, 92-97.	1.2	68
66	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. Energy & Fuels, 2017, 31, 5635-5644.	2.5	29
67	Electrochemical investigation on the corrosion inhibition of mild steel by Quinazoline Schiff base compounds in hydrochloric acid solution. Journal of Colloid and Interface Science, 2017, 502, 134-145.	5.0	137
68	Facile, environmentally friendly, cost effective and scalable production of few-layered graphene. Chemical Engineering Journal, 2017, 326, 1105-1115.	6.6	35
69	Calcium carbonate fouling on double-pipe heat exchanger with different heat exchanging surfaces. Powder Technology, 2017, 315, 216-226.	2.1	77
70	A bio-based, facile approach for the preparation of covalently functionalized carbon nanotubes aqueous suspensions and their potential as heat transfer fluids. Journal of Colloid and Interface Science, 2017, 504, 115-123.	5.0	147
71	Turbulent heat transfer to separation nanofluid flow in annular concentric pipe. International Journal of Thermal Sciences, 2017, 117, 14-25.	2.6	20
72	Functionalization and exfoliation of graphite into mono layer graphene for improved heat dissipation. Journal of the Taiwan Institute of Chemical Engineers, 2017, 71, 480-493.	2.7	24

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73	Synthesis, stability, and thermophysical properties of aqueous colloidal dispersions of multi-walled carbon nanotubes treated with beta-alanine. International Communications in Heat and Mass Transfer, 2017, 89, 7-17.	2.9	21
74	Convective heat transfer enhancement with graphene nanoplatelet/platinum hybrid nanofluid. International Communications in Heat and Mass Transfer, 2017, 88, 120-125.	2.9	41
75	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
76	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
77	Retardation of heat exchanger surfaces mineral fouling by water-based diethylenetriamine pentaacetate-treated CNT nanofluids. Applied Thermal Engineering, 2017, 110, 495-503.	3.0	36
78	Experimental study on thermo-physical and rheological properties of stable and green reduced graphene oxide nanofluids: Hydrothermal assisted technique. Journal of Dispersion Science and Technology, 2017, 38, 1302-1310.	1.3	39
79	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
80	The RSM approach to develop a new correlation for density of metal-oxide aqueous nanofluids. IOP Conference Series: Materials Science and Engineering, 2017, 210, 012071.	0.3	8
81	Industrial Heat Exchanger: Operation and Maintenance to Minimize Fouling and Corrosion. , 2017, , .		8
82	Boundary Layer Flow and Heat Transfer of FMWCNT/Water Nanofluids over a Flat Plate. Fluids, 2016, 1, 31.	0.8	50
83	Heat transfer performance of water-based tetrahydrofurfuryl polyethylene glycol-treated graphene nanoplatelet nanofluids. RSC Advances, 2016, 6, 65654-65669.	1.7	13
84	Toward improved heat transfer performance of annular heatÂexchangers with water/ethylene glycol-basedÂnanofluidsÂcontainingÂgraphene nanoplatelets. Journal of Thermal Analysis and Calorimetry, 2016, 126, 1427-1436.	2.0	29
85	A survey on experimental and numerical studies of convection heat transfer of nanofluids inside closed conduits. Advances in Mechanical Engineering, 2016, 8, 168781401667356.	0.8	101
86	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
87	Stability and thermophysical properties of water-based nanofluids containing triethanolamine-treated graphene nanoplatelets with different specific surface areas. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 500, 17-31.	2.3	86
88	Experimental study on a feasibility of using electromagnetic wave cylindrical cavity sensor to monitor the percentage of water fraction in a two phase system. Sensors and Actuators A: Physical, 2016, 245, 140-149.	2.0	23
89	Optimization model of peach production relevant to input energies â€“ Yield function in Chaharmahal va Bakhtiari province, Iran. Energy, 2016, 99, 315-321.	4.5	14
90	Exploration of the environmentally benign and highly effective approach for improving carbon nanotube homogeneity in aqueous system. Journal of Thermal Analysis and Calorimetry, 2016, 124, 815-825.	2.0	6

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91	Backward-facing step heat transfer of the turbulent regime for functionalized graphene nanoplatelets based waterâ€“ethylene glycol nanofluids. International Journal of Heat and Mass Transfer, 2016, 97, 538-546.	2.5	32
92	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
93	Experimental investigation of thermophysical properties and heat transfer rate of covalently functionalized MWCNT in an annular heat exchanger. International Communications in Heat and Mass Transfer, 2016, 75, 67-77.	2.9	21
94	Study of synthesis, stability and thermo-physical properties of graphene nanoplatelet/platinum hybrid nanofluid. International Communications in Heat and Mass Transfer, 2016, 77, 15-21.	2.9	161
95	Microbial toxicity of different functional groups-treated carbon nanotubes. , 2016, , 33-70.		7
96	Heat transfer enhancement of water-based highly crumpled few-layer graphene nanofluids. RSC Advances, 2016, 6, 105508-105527.	1.7	28
97	Mass production of highly-porous graphene for high-performance supercapacitors. Scientific Reports, 2016, 6, 32686.	1.6	58
98	Detection of the gasâ€“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
99	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
100	Numerical simulation of heat transfer and separation Al 2 O 3 /nanofluid flow in concentric annular pipe. International Communications in Heat and Mass Transfer, 2016, 71, 108-117.	2.9	41
101	Toward improved engine performance with crumpled nitrogen-doped graphene based waterâ€“ethylene glycol coolant. Chemical Engineering Journal, 2016, 289, 583-595.	6.6	76
102	Investigation on the Use of Graphene Oxide as Novel Surfactant for Stabilizing Carbon Based Materials. Journal of Dispersion Science and Technology, 2016, 37, 1395-1407.	1.3	17
103	Stability and thermophysical properties of non-covalently functionalized graphene nanoplatelets nanofluids. Energy Conversion and Management, 2016, 116, 101-111.	4.4	170
104	Experimental investigation of thermo-physical properties, convective heat transfer and pressure drop of functionalized graphene nanoplatelets aqueous nanofluid in a square heated pipe. Energy Conversion and Management, 2016, 114, 38-49.	4.4	93
105	Fouling mitigation on heat exchanger surfaces by EDTA-treated MWCNT-based water nanofluids. Journal of the Taiwan Institute of Chemical Engineers, 2016, 60, 445-452.	2.7	36
106	Nanofluid based on activated hybrid of biomass carbon/graphene oxide: Synthesis, thermo-physical and electrical properties. International Communications in Heat and Mass Transfer, 2016, 72, 10-15.	2.9	79
107	Experimental investigation of the propylene glycol-treated graphene nanoplatelets for the enhancement of closed conduit turbulent convective heat transfer. International Communications in Heat and Mass Transfer, 2016, 73, 43-53.	2.9	29
108	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

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109	Performance evaluation of latent heat energy storage in horizontal shell-and-finned tube for solar application. Journal of Thermal Analysis and Calorimetry, 2016, 123, 1371-1381.	2.0	19
110	Augmented of turbulent heat transfer in an annular pipe with abrupt expansion. Thermal Science, 2016, 20, 1621-1632.	0.5	5
111	Microwave-Assisted Synthesis of Highly-Crumpled, Few-Layered Graphene and Nitrogen-Doped Graphene for Use as High-Performance Electrodes in Capacitive Deionization. Scientific Reports, 2015, 5, 17503.	1.6	62
112	Heat Transfer and Nanofluid Flow Through Different Geometries. , 2015, , .		1
113	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
114	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
115	The Effect of Varying Fiber Characteristics on the Simultaneous Measurement of Heat and Momentum Transfer to Flowing Fiber Suspensions. Journal of Heat Transfer, 2015, 137, .	1.2	2
116	Experimental investigation on the use of highly charged nanoparticles to improve the stability of weakly charged colloidal system. Journal of Colloid and Interface Science, 2015, 454, 245-255.	5.0	23
117	Investigation on the use of graphene oxide as novel surfactant to stabilize weakly charged graphene nanoplatelets. Nanoscale Research Letters, 2015, 10, 212.	3.1	77
118	Graphene nanoplateletsâ€“silver hybrid nanofluids for enhanced heat transfer. Energy Conversion and Management, 2015, 100, 419-428.	4.4	273
119	Transformer oil based multi-walled carbon nanotubeâ€“hexylamine coolant with optimized electrical, thermal and rheological enhancements. RSC Advances, 2015, 5, 107222-107236.	1.7	64
120	Thermal performance of nanofluid in ducts with double forward-facing steps. Journal of the Taiwan Institute of Chemical Engineers, 2015, 47, 28-42.	2.7	71
121	<scp>I</scp>n vitro and in vivo study of hazardous effects of Ag nanoparticles and Arginineâ€treated multi walled carbon nanotubes on blood cells: <scp>A</scp>pplication in hemodialysis membranes. Journal of Biomedical Materials Research - Part A, 2015, 103, 2959-2965.	2.1	38
122	Social acceptance of solar energy in Malaysia: usersâ€™ perspective. Clean Technologies and Environmental Policy, 2015, 17, 1975-1986.	2.1	33
123	Performance dependence of thermosyphon on the functionalization approaches: An experimental study on thermo-physical properties of graphene nanoplatelet-based water nanofluids. Energy Conversion and Management, 2015, 92, 322-330.	4.4	123
124	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
125	A comprehensive review of thermo-physical properties and convective heat transfer to nanofluids. Energy, 2015, 89, 1065-1086.	4.5	226
126	Study of mineral fouling mitigation on heat exchanger surface. Desalination, 2015, 367, 248-254.	4.0	68

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127	Particulate Matter. , 2015, , 141-168.		1
128	Synthesis of ethylene glycol-treated Graphene Nanoplatelets with one-pot, microwave-assisted functionalization for use as a high performance engine coolant. Energy Conversion and Management, 2015, 101, 767-777.	4.4	83
129	Effect of specific surface area on convective heat transfer of graphene nanoplatelet aqueous nanofluids. Experimental Thermal and Fluid Science, 2015, 68, 100-108.	1.5	103
130	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
131	Highly dispersed reduced graphene oxide and its hybrid complexes as effective additives for improving thermophysical property of heat transfer fluid. International Journal of Heat and Mass Transfer, 2015, 87, 284-294.	2.5	31
132	Spongy nitrogen-doped activated carbonaceous hybrid derived from biomass material/graphene oxide for supercapacitor electrodes. RSC Advances, 2015, 5, 40505-40513.	1.7	59
133	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
134	Microwave-assisted direct coupling of graphene nanoplatelets with poly ethylene glycol and 4-phenylazophenol molecules for preparing stable-colloidal system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 487, 131-141.	2.3	23
135	Cadmium ion sorption from aqueous solutions by high surface area ethylenediaminetetraacetic acid- and diethylene triamine pentaacetic acid-treated carbon nanotubes. RSC Advances, 2015, 5, 71144-71152.	1.7	25
136	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
137	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
138	Laminar convective heat transfer of hexylamine-treated MWCNTs-based turbine oil nanofluid. Energy Conversion and Management, 2015, 105, 355-367.	4.4	69
139	A review of studies on using nanofluids in flat-plate solar collectors. Solar Energy, 2015, 122, 1245-1265.	2.9	113
140	Basic effects of pulp refining on fiber propertiesâ€"A review. Carbohydrate Polymers, 2015, 115, 785-803.	5.1	225
141	An experimental and numerical investigation of heat transfer enhancement for graphene nanoplatelets nanofluids in turbulent flow conditions. International Journal of Heat and Mass Transfer, 2015, 81, 41-51.	2.5	109
142	A Comprehensive Review of Milk Fouling on Heated Surfaces. Critical Reviews in Food Science and Nutrition, 2015, 55, 1724-1743.	5.4	29
143	A review of Safety, Health and Environmental (SHE) issues of solar energy system. Renewable and Sustainable Energy Reviews, 2015, 41, 1190-1204.	8.2	210
144	Numerical Simulation of Heat Transfer to TiO2-Water Nanofluid Flow in a Double-Tube Counter Flow Heat Exchanger. , 2015, , 413-422.		0

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145	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
146	Extension of Weighted Sum of Gray Gas Data to Mathematical Simulation of Radiative Heat Transfer in a Boiler with Gas-Soot Media. Scientific World Journal, The, 2014, 2014, 1-9.	0.8	1
147	Investigation of Micro- and Nanosized Particle Erosion in a 90Â° Pipe Bend Using a Two-Phase Discrete Phase Model. Scientific World Journal, The, 2014, 2014, 1-12.	0.8	99
148	Numerical Study of Entropy Generation due to Coupled Laminar and Turbulent Mixed Convection and Thermal Radiation in an Enclosure Filled with a Semitransparent Medium. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	86
149	Comparison of the Finite Volume and Lattice Boltzmann Methods for Solving Natural Convection Heat Transfer Problems inside Cavities and Enclosures. Abstract and Applied Analysis, 2014, 2014, 1-15.	0.3	72
150	Sustainability and environmental impact of ethanol as a biofuel. Reviews in Chemical Engineering, 2014, 30, .	2.3	24
151	Entropy Generation during Turbulent Flow of Zirconia-water and Other Nanofluids in a Square Cross Section Tube with a Constant Heat Flux. Entropy, 2014, 16, 6116-6132.	1.1	61
152	An experimental study on thermal conductivity and viscosity of nanofluids containing carbon nanotubes. Nanoscale Research Letters, 2014, 9, 151.	3.1	195
153	Investigation of nanofluid mixed convection in a shallow cavity using a two-phase mixture model. International Journal of Thermal Sciences, 2014, 75, 204-220.	2.6	263
154	Mixed convection of copperâ€“water nanofluid in a shallow inclined lid driven cavity using the lattice Boltzmann method. Physica A: Statistical Mechanics and Its Applications, 2014, 402, 150-168.	1.2	263
155	Investigation of thermal conductivity and rheological properties of nanofluids containing graphene nanoplatelets. Nanoscale Research Letters, 2014, 9, 15.	3.1	341
156	A comprehensive literature review of bio-fuel performance in internal combustion engine and relevant costs involvement. Renewable and Sustainable Energy Reviews, 2014, 30, 29-44.	8.2	126
157	Numerical simulation of laminar to turbulent nanofluid flow and heat transfer over a backward-facing step. Applied Mathematics and Computation, 2014, 239, 153-170.	1.4	112
158	Pool boiling heat transfer of CNT/water nanofluids. Applied Thermal Engineering, 2014, 71, 450-459.	3.0	114
159	Experimental Investigation of Convective Heat Transfer Using Graphene Nanoplatelet Based Nanofluids under Turbulent Flow Conditions. Industrial & Engineering Chemistry Research, 2014, 53, 12455-12465.	1.8	88
160	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
161	Study of the effect of entrance length on heat transfer to fibre suspensions in annular flow heat exchangers. International Journal of Heat and Mass Transfer, 2014, 78, 548-556.	2.5	1
162	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

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163	Investigation of Heat Transfer Enhancement in a Forward-Facing Contracting Channel Using FMWCNT Nanofluids. Numerical Heat Transfer; Part A: Applications, 2014, 66, 1321-1340.	1.2	220
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