

Rad Sadri

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

1,489
citations

21
h-index

30
g-index

30
ext. papers

1,728
ext. citations

6.1
avg, IF

4.53
L-index

#	Paper	IF	Citations
29	A comprehensive review of thermo-physical properties and convective heat transfer to nanofluids. <i>Energy</i> , 2015 , 89, 1065-1086	7.9	184
28	An experimental study on thermal conductivity and viscosity of nanofluids containing carbon nanotubes. <i>Nanoscale Research Letters</i> , 2014 , 9, 151	5	151
27	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	10.6	112
26	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	16.2	106
25	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	2.7	94
24	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	9.3	87
23	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	10.6	73
22	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	5.8	62
21	Laminar convective heat transfer of hexylamine-treated MWCNTs-based turbine oil nanofluid. <i>Energy Conversion and Management</i> , 2015 , 105, 355-367	10.6	60
20	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	2.5	57
19	Numerical Study of Entropy Generation in a Flowing Nanofluid Used in Micro- and Minichannels. <i>Entropy</i> , 2013 , 15, 144-155	2.8	57
18	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	9.3	55
17	An experimental investigation on the performance of a flat-plate solar collector using eco-friendly treated graphene nanoplatelets/water nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 609-621	4.1	50
16	A comprehensive review on nanofluid operated solar flat plate collectors. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 139, 1309-1343	4.1	50
15	A review of heating/cooling processes using nanomaterials suspended in refrigerants and lubricants. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 153, 119611	4.9	45
14	Synthesis of polyethylene glycol-functionalized multi-walled carbon nanotubes with a microwave-assisted approach for improved heat dissipation. <i>RSC Advances</i> , 2015 , 5, 35425-35434	3.7	41
13	Study of environmentally friendly and facile functionalization of graphene nanoplatelet and its application in convective heat transfer. <i>Energy Conversion and Management</i> , 2017 , 150, 26-36	10.6	37

12	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	1.5	29
11	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	6	26
10	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	4.9	25
9	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	4.1	24
8	A comprehensive review of milk fouling on heated surfaces. <i>Critical Reviews in Food Science and Nutrition</i> , 2015 , 55, 1724-43	11.5	20
7	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, 245-55	9.3	18
6	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	1.5	14
5	Exploration of the environmentally benign and highly effective approach for improving carbon nanotube homogeneity in aqueous system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 124, 815-825	4.1	5
4	Controlled physical properties and growth mechanism of manganese silicide nanorods. <i>Journal of Alloys and Compounds</i> , 2021 , 851, 156693	5.7	4
3	Exploration of 2D TiC MXene for all solution processed piezoelectric nanogenerator applications. <i>Scientific Reports</i> , 2021 , 11, 17432	4.9	2
2	Effect of various refining processes for Kenaf Bast non-wood pulp fibers suspensions on heat transfer coefficient in circular pipe heat exchanger. <i>Heat and Mass Transfer</i> , 2018 , 54, 875-882	2.2	0
1	A facile, green fabrication of aqueous nanofluids containing hydrophilic functionalized carbon nanotubes toward improving heat transfer in a closed horizontal flow passage. <i>Powder Technology</i> , 2022 , 117451	5.2	0