

Emad Sadeghinezhad

List of Publications by Citations

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45
papers

3,237
citations

34
h-index

45
g-index

45
ext. papers

3,704
ext. citations

6.2
avg, IF

5.22
L-index

#	Paper	IF	Citations
45	Investigation of thermal conductivity and rheological properties of nanofluids containing graphene nanoplatelets. <i>Nanoscale Research Letters</i> , 2014 , 9, 15	5	270
44	A comprehensive review on graphene nanofluids: Recent research, development and applications. <i>Energy Conversion and Management</i> , 2016 , 111, 466-487	10.6	202
43	Preparation and characterization of palmitic acid/graphene nanoplatelets composite with remarkable thermal conductivity as a novel shape-stabilized phase change material. <i>Applied Thermal Engineering</i> , 2013 , 61, 633-640	5.8	189
42	Basic effects of pulp refining on fiber properties--a review. <i>Carbohydrate Polymers</i> , 2015 , 115, 785-803	10.3	160
41	An experimental study on thermal conductivity and viscosity of nanofluids containing carbon nanotubes. <i>Nanoscale Research Letters</i> , 2014 , 9, 151	5	151
40	Investigation of heat transfer performance and friction factor of a counter-flow double-pipe heat exchanger using nitrogen-doped, graphene-based nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 76, 16-23	5.8	138
39	Preparation of nitrogen-doped graphene/palmitic acid shape stabilized composite phase change material with remarkable thermal properties for thermal energy storage. <i>Applied Energy</i> , 2014 , 135, 339-349	10.7	115
38	Thermal performance enhancement of an evacuated tube solar collector using graphene nanoplatelets nanofluid. <i>Journal of Cleaner Production</i> , 2017 , 162, 121-129	10.3	111
37	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
36	One-Step Preparation of Form-Stable Phase Change Material through Self-Assembly of Fatty Acid and Graphene. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 22787-22796	3.8	96
35	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
34	Heat transfer and entropy generation analysis of hybrid graphene/Fe ₃ O ₄ ferro-nanofluid flow under the influence of a magnetic field. <i>Powder Technology</i> , 2017 , 308, 149-157	5.2	92
33	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	4.9	89
32	Experimental investigation of the effect of graphene nanofluids on heat pipe thermal performance. <i>Applied Thermal Engineering</i> , 2016 , 100, 775-787	5.8	86
31	Preparation, characterization, viscosity, and thermal conductivity of nitrogen-doped graphene aqueous nanofluids. <i>Journal of Materials Science</i> , 2014 , 49, 7156-7171	4.3	82
30	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	3	79
29	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	3.9	74

28	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, The</i> , 2014 , 2014, 761745	2.2	71
27	A comprehensive review of bio-diesel as alternative fuel for compression ignition engines. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 28, 410-424	16.2	65
26	Heat transfer and entropy generation for laminar forced convection flow of graphene nanoplatelets nanofluids in a horizontal tube. <i>International Communications in Heat and Mass Transfer</i> , 2015 , 66, 23-31	5.8	65
25	Investigation on the use of graphene oxide as novel surfactant to stabilize weakly charged graphene nanoplatelets. <i>Nanoscale Research Letters</i> , 2015 , 10, 212	5	61
24	Effect of nitrogen-doped graphene nanofluid on the thermal performance of the grooved copper heat pipe. <i>Energy Conversion and Management</i> , 2016 , 118, 459-473	10.6	60
23	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	0.7	59
22	An ecofriendly graphene-based nanofluid for heat transfer applications. <i>Journal of Cleaner Production</i> , 2016 , 137, 555-566	10.3	58
21	Numerical Study of Entropy Generation in a Flowing Nanofluid Used in Micro- and Minichannels. <i>Entropy</i> , 2013 , 15, 144-155	2.8	57
20	Investigation of viscosity and thermal conductivity of alumina nanofluids with addition of SDBS. <i>Heat and Mass Transfer</i> , 2013 , 49, 1109-1115	2.2	57
19	Evaluation of viscosity and thermal conductivity of graphene nanoplatelets nanofluids through a combined experimental-statistical approach using respond surface methodology method. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 79, 74-80	5.8	49
18	Study of mineral fouling mitigation on heat exchanger surface. <i>Desalination</i> , 2015 , 367, 248-254	10.3	45
17	Numerical investigation of heat transfer enhancement in a rectangular heated pipe for turbulent nanofluid. <i>Scientific World Journal, The</i> , 2014 , 2014, 369593	2.2	44
16	Experimental study on heat transfer augmentation of graphene based ferrofluids in presence of magnetic field. <i>Applied Thermal Engineering</i> , 2017 , 114, 415-427	5.8	40
15	A review of studies on forced, natural and mixed heat transfer to fluid and nanofluid flow in an annular passage. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 39, 835-856	16.2	40
14	Experimental and numerical investigation of the effective electrical conductivity of nitrogen-doped graphene nanofluids. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	39
13	Experimental investigation on the use of reduced graphene oxide and its hybrid complexes in improving closed conduit turbulent forced convective heat transfer. <i>Experimental Thermal and Fluid Science</i> , 2015 , 66, 290-303	3	37
12	A review of milk fouling on heat exchanger surfaces. <i>Reviews in Chemical Engineering</i> , 2013 , 29,	5	36
11	Experimental investigation of thermophysical properties, entropy generation and convective heat transfer for a nitrogen-doped graphene nanofluid in a laminar flow regime. <i>Advanced Powder Technology</i> , 2016 , 27, 717-727	4.6	33

10	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	4.9	25
9	From rice husk to high performance shape stabilized phase change materials for thermal energy storage. <i>RSC Advances</i> , 2016 , 6, 45595-45604	3.7	23
8	Parametric study on the thermal performance enhancement of a thermosyphon heat pipe using covalent functionalized graphene nanofluids. <i>Applied Thermal Engineering</i> , 2020 , 175, 115385	5.8	22
7	Sustainability and environmental impact of ethanol as a biofuel. <i>Reviews in Chemical Engineering</i> , 2014 , 30,	5	22
6	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	5.8	22
5	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
4	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	5.8	18
3	On the interpretation of contact angle for geomaterial wettability: Contact area versus three-phase contact line. <i>Journal of Petroleum Science and Engineering</i> , 2020 , 195, 107579	4.4	16
2	Optimization model of peach production relevant to input energies Δ Yield function in Chaharmahal va Bakhtiari province, Iran. <i>Energy</i> , 2016 , 99, 315-321	7.9	11
1	Simulation of heat transfer to separation Air flow in a concentric pipe. <i>International Communications in Heat and Mass Transfer</i> , 2014 , 57, 48-52	5.8	8