

# Emad Sadeghinezhad

## List of Publications by Year in descending order

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45  
papers

4,130  
citations

101384

36  
h-index

233125

45  
g-index

45  
all docs

45  
docs citations

45  
times ranked

3871  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of thermal conductivity and rheological properties of nanofluids containing graphene nanoplatelets. <i>Nanoscale Research Letters</i> , 2014, 9, 15.	3.1	341
2	A comprehensive review on graphene nanofluids: Recent research, development and applications. <i>Energy Conversion and Management</i> , 2016, 111, 466-487.	4.4	253
3	Basic effects of pulp refining on fiber properties—A review. <i>Carbohydrate Polymers</i> , 2015, 115, 785-803.	5.1	225
4	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.	3.0	222
5	An experimental study on thermal conductivity and viscosity of nanofluids containing carbon nanotubes. <i>Nanoscale Research Letters</i> , 2014, 9, 151.	3.1	195
6	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.	2.9	179
7	Thermal performance enhancement of an evacuated tube solar collector using graphene nanoplatelets nanofluid. <i>Journal of Cleaner Production</i> , 2017, 162, 121-129.	4.6	149
8	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.	5.1	134
9	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
10	Heat transfer and entropy generation analysis of hybrid graphene/Fe <sub>3</sub> O <sub>4</sub> ferro-nanofluid flow under the influence of a magnetic field. <i>Powder Technology</i> , 2017, 308, 149-157.	2.1	123
11	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.	1.5	118
12	Experimental investigation of the effect of graphene nanofluids on heat pipe thermal performance. <i>Applied Thermal Engineering</i> , 2016, 100, 775-787.	3.0	115
13	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
14	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
15	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
16	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
17	Experimental Investigation of Convective Heat Transfer Using Graphene Nanoplatelet Based Nanofluids under Turbulent Flow Conditions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 12455-12465.	1.8	88
18	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.	4.4	87

#	ARTICLE	IF	CITATIONS
19	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
20	Heat transfer and entropy generation for laminar forced convection flow of graphene nanoplatelets nanofluids in a horizontal tube. International Communications in Heat and Mass Transfer, 2015, 66, 23-31.	2.9	84
21	A comprehensive review of bio-diesel as alternative fuel for compression ignition engines. Renewable and Sustainable Energy Reviews, 2013, 28, 410-424.	8.2	81
22	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
23	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
24	An ecofriendly graphene-based nanofluid for heat transfer applications. Journal of Cleaner Production, 2016, 137, 555-566.	4.6	72
25	Investigation of viscosity and thermal conductivity of alumina nanofluids with addition of SDBS. Heat and Mass Transfer, 2013, 49, 1109-1115.	1.2	69
26	Study of mineral fouling mitigation on heat exchanger surface. Desalination, 2015, 367, 248-254.	4.0	68
27	Numerical Study of Entropy Generation in a Flowing Nanofluid Used in Micro- and Minichannels. Entropy, 2013, 15, 144-155.	1.1	67
28	Evaluation of viscosity and thermal conductivity of graphene nanoplatelets nanofluids through a combined experimental and statistical approach using respond surface methodology method. International Communications in Heat and Mass Transfer, 2016, 79, 74-80.	2.9	63
29	Experimental study on heat transfer augmentation of graphene based ferrofluids in presence of magnetic field. Applied Thermal Engineering, 2017, 114, 415-427.	3.0	56
30	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
31	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
32	A review of milk fouling on heat exchanger surfaces. Reviews in Chemical Engineering, 2013, 29, .	2.3	48
33	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
34	Experimental investigation of thermophysical properties, entropy generation and convective heat transfer for a nitrogen-doped graphene nanofluid in a laminar flow regime. Advanced Powder Technology, 2016, 27, 717-727.	2.0	43
35	Experimental and numerical investigation of the effective electrical conductivity of nitrogen-doped graphene nanofluids. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	41
36	Parametric study on the thermal performance enhancement of a thermosyphon heat pipe using covalent functionalized graphene nanofluids. Applied Thermal Engineering, 2020, 175, 115385.	3.0	41

#	ARTICLE	IF	CITATIONS
37	From rice husk to high performance shape stabilized phase change materials for thermal energy storage. RSC Advances, 2016, 6, 45595-45604.	1.7	35
38	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
39	Numerical simulation of heat transfer to separation air flow in an annular pipe. International Communications in Heat and Mass Transfer, 2012, 39, 1176-1180.	2.9	30
40	A Comprehensive Review of Milk Fouling on Heated Surfaces. Critical Reviews in Food Science and Nutrition, 2015, 55, 1724-1743.	5.4	29
41	On the interpretation of contact angle for geomaterial wettability: Contact area versus three-phase contact line. Journal of Petroleum Science and Engineering, 2020, 195, 107579.	2.1	28
42	Computational simulation of heat transfer to separation fluid flow in an annular passage. International Communications in Heat and Mass Transfer, 2013, 46, 92-96.	2.9	24
43	Sustainability and environmental impact of ethanol as a biofuel. Reviews in Chemical Engineering, 2014, 30, .	2.3	24
44	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
45	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