Samira Gharehkhani

List of Publications by Year in Descending Order

32 papers	1,913 citations	21 h-index	32 g-index
32 ext. papers	2,177 ext. citations	6.3 avg, IF	4.81 L-index

#	Paper	IF	Citations
32	On-demand heat transfer augmentation using magnetically triggered ferrofluid containing eco-friendly treated CoFe2O4/rGO. *Powder Technology*, **2021**, 378, 468-486	5.2	6
31	Experimental investigation on thermo-physical properties and heat transfer characteristics of green synthesized highly stable CoFe2O4/rGO nanofluid. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 610, 125923	5.1	9
30	In-Situ Rheological Studies of Cationic Lignin Polymerization in an Acidic Aqueous System. *Polymers* , **2020**, 12,	4.5	1
29	Heat transfer in turbulent nanofluids: Separation flow studies and development of novel correlations. *Advanced Powder Technology*, **2020**, 31, 3120-3133	4.6	5
28	Lignin-derived platform molecules through TEMPO catalytic oxidation strategies. *Progress in Energy and Combustion Science*, **2019**, 72, 59-89	33.6	39
27	Dynamic measurement of ferrofluid thermal conductivity under an external magnetic field. *Heat and Mass Transfer*, **2019**, 55, 1583-1592	2.2	4
26	Kraft Lignin‐Tannic Acid as a Green Stabilizer for Oil/Water Emulsion. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 2370-2379	8.3	22
25	The effect of nanocrystalline cellulose on flow properties of fiber crop aqueous suspension. *Carbohydrate Polymers*, **2018**, 184, 376-382	10.3	4
24	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	5.8	15
23	Convective heat transfer enhancement with graphene nanoplatelet/platinum hybrid nanofluid. *International Communications in Heat and Mass Transfer*, **2017**, 88, 120-125	5.8	30
22	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	5.8	125
21	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	5.3	7
20	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	10.6	75
19	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	5.8	62
18	Ion size, loading, and charge determine the mechanical properties, surface apatite, and cell growth of silver and tantalum doped calcium silicate. *RSC Advances*, **2016**, 6, 190-200	3.7	19
17	Adsorption capability of activated carbon synthesized from coconut shell. *Carbon Letters*, **2016**, 20, 1-9	2.3	36
16	Mathematical Modeling for Nanofluids Simulation: A Review of the Latest Works **2016**,		25

15	An experimental study on viscosity of alumina-engine oil: Effects of temperature and nanoparticles concentration. *International Communications in Heat and Mass Transfer*, **2016**, 76, 202-208	5.8	127
14	A comprehensive review of thermo-physical properties and convective heat transfer to nanofluids. *Energy*, **2015**, 89, 1065-1086	7.9	184
13	Heat transfer enhancement of turbulent nanofluid flow over various types of internally corrugated channels. *Powder Technology*, **2015**, 286, 332-341	5.2	41
12	Nitrogen doped activated carbon/graphene with high nitrogen level: Green synthesis and thermo-electrical properties of its nanofluid. *Materials Letters*, **2015**, 152, 192-195	3.3	44
11	Spongy nitrogen-doped activated carbonaceous hybrid derived from biomass material/graphene oxide for supercapacitor electrodes. *RSC Advances*, **2015**, 5, 40505-40513	3.7	51
10	A review on powder-based additive manufacturing for tissue engineering: selective laser sintering and inkjet 3D printing. *Science and Technology of Advanced Materials*, **2015**, 16, 033502	7.1	384
9	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	3	37
8	Laminar convective heat transfer of hexylamine-treated MWCNTs-based turbine oil nanofluid. *Energy Conversion and Management*, **2015**, 105, 355-367	10.6	60
7	Basic effects of pulp refining on fiber properties--a review. *Carbohydrate Polymers*, **2015**, 115, 785-803	10.3	160
6	Graphene nanoplatelets–silver hybrid nanofluids for enhanced heat transfer. *Energy Conversion and Management*, **2015**, 100, 419-428	10.6	212
5	Mechanochemical Synthesis and Characterization of Silver (Ag+) and Tantalum (Ta5+) Doped Calcium Silicate Nanopowders. *Science of Advanced Materials*, **2015**, 7, 2664-2671	2.3	6
4	Numerical investigation of heat transfer enhancement in a rectangular heated pipe for turbulent nanofluid. *Scientific World Journal, The*, **2014**, 2014, 369593	2.2	44
3	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, 504601	2.2	1
2	Sustainability and environmental impact of ethanol as a biofuel. *Reviews in Chemical Engineering*, **2014**, 30,	5	22
1	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	2.8	56