

Samira Gharekhani

List of Publications by Citations

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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	A review on powder-based additive manufacturing for tissue engineering: selective laser sintering and inkjet 3D printing. <i>Science and Technology of Advanced Materials</i> , 2015 , 16, 033502	7.1	384
31	Graphene nanoplatelets/silver hybrid nanofluids for enhanced heat transfer. <i>Energy Conversion and Management</i> , 2015 , 100, 419-428	10.6	212
30	A comprehensive review of thermo-physical properties and convective heat transfer to nanofluids. <i>Energy</i> , 2015 , 89, 1065-1086	7.9	184
29	Basic effects of pulp refining on fiber properties--a review. <i>Carbohydrate Polymers</i> , 2015 , 115, 785-803	10.3	160
28	An experimental study on viscosity of alumina-engine oil: Effects of temperature and nanoparticles concentration. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 76, 202-208	5.8	127
27	Study of synthesis, stability and thermo-physical properties of graphene nanoplatelet/platinum hybrid nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 77, 15-21	5.8	125
26	Experimental investigation of thermo-physical properties, convective heat transfer and pressure drop of functionalized graphene nanoplatelets aqueous nanofluid in a square heated pipe. <i>Energy Conversion and Management</i> , 2016 , 114, 38-49	10.6	75
25	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
24	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
23	Entropy Generation during Turbulent Flow of Zirconia-water and Other Nanofluids in a Square Cross Section Tube with a Constant Heat Flux. <i>Entropy</i> , 2014 , 16, 6116-6132	2.8	56
22	Spongy nitrogen-doped activated carbonaceous hybrid derived from biomass material/graphene oxide for supercapacitor electrodes. <i>RSC Advances</i> , 2015 , 5, 40505-40513	3.7	51
21	Nitrogen doped activated carbon/graphene with high nitrogen level: Green synthesis and thermo-electrical properties of its nanofluid. <i>Materials Letters</i> , 2015 , 152, 192-195	3.3	44
20	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
19	Heat transfer enhancement of turbulent nanofluid flow over various types of internally corrugated channels. <i>Powder Technology</i> , 2015 , 286, 332-341	5.2	41
18	Lignin-derived platform molecules through TEMPO catalytic oxidation strategies. <i>Progress in Energy and Combustion Science</i> , 2019 , 72, 59-89	33.6	39
17	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
16	Adsorption capability of activated carbon synthesized from coconut shell. <i>Carbon Letters</i> , 2016 , 20, 1-9	2.3	36

15	Convective heat transfer enhancement with graphene nanoplatelet/platinum hybrid nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 88, 120-125	5.8	30
14	Mathematical Modeling for Nanofluids Simulation: A Review of the Latest Works 2016 ,		25
13	Sustainability and environmental impact of ethanol as a biofuel. <i>Reviews in Chemical Engineering</i> , 2014 , 30,	5	22
12	Kraft Lignin Mannic Acid as a Green Stabilizer for Oil/Water Emulsion. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2370-2379	8.3	22
11	Ion size, loading, and charge determine the mechanical properties, surface apatite, and cell growth of silver and tantalum doped calcium silicate. <i>RSC Advances</i> , 2016 , 6, 190-200	3.7	19
10	Experimental investigation on rheological, momentum and heat transfer characteristics of flowing fiber crop suspensions. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 80, 60-69	5.8	15
9	Experimental investigation on thermo-physical properties and heat transfer characteristics of green synthesized highly stable CoFe ₂ O ₄ /rGO nanofluid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 610, 125923	5.1	9
8	Heat transfer performance of closed conduit turbulent flow: Constant mean velocity and temperature do matter!. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 64, 285-298	5.3	7
7	Mechanochemical Synthesis and Characterization of Silver (Ag ⁺) and Tantalum (Ta ⁵⁺) Doped Calcium Silicate Nanopowders. <i>Science of Advanced Materials</i> , 2015 , 7, 2664-2671	2.3	6
6	On-demand heat transfer augmentation using magnetically triggered ferrofluid containing eco-friendly treated CoFe ₂ O ₄ /rGO. <i>Powder Technology</i> , 2021 , 378, 468-486	5.2	6
5	Heat transfer in turbulent nanofluids: Separation flow studies and development of novel correlations. <i>Advanced Powder Technology</i> , 2020 , 31, 3120-3133	4.6	5
4	The effect of nanocrystalline cellulose on flow properties of fiber crop aqueous suspension. <i>Carbohydrate Polymers</i> , 2018 , 184, 376-382	10.3	4
3	Dynamic measurement of ferrofluid thermal conductivity under an external magnetic field. <i>Heat and Mass Transfer</i> , 2019 , 55, 1583-1592	2.2	4
2	In-Situ Rheological Studies of Cationic Lignin Polymerization in an Acidic Aqueous System. <i>Polymers</i> , 2020 , 12,	4.5	1
1	Extension of weighted sum of gray gas data to mathematical simulation of radiative heat transfer in a boiler with gas-soot media. <i>Scientific World Journal, The</i> , 2014 , 2014, 504601	2.2	1