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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.

48 papers	1,292 citations	22 h-index	35 g-index
48 ext. papers	1,576 ext. citations	4.7 avg, IF	5.02 L-index

#	Paper	IF	Citations
48	Rheological and volumetric properties of TiO2-ethylene glycol nanofluids. *Nanoscale Research Letters*, **2013**, 8, 286	5	101
47	Current trends in surface tension and wetting behavior of nanofluids. *Renewable and Sustainable Energy Reviews*, **2018**, 94, 931-944	16.2	85
46	Thermophysical profile of ethylene glycol-based ZnO nanofluids. *Journal of Chemical Thermodynamics*, **2014**, 73, 23-30	2.9	84
45	Functionalized graphene nanoplatelet-nanofluids for solar thermal collectors. *Solar Energy Materials and Solar Cells*, **2018**, 185, 205-209	6.4	80
44	Specific heat of metal oxide nanofluids at high concentrations for heat transfer. *International Journal of Heat and Mass Transfer*, **2015**, 88, 872-879	4.9	77
43	Thermal conductivity of dry anatase and rutile nano-powders and ethylene and propylene glycol-based TiO2 nanofluids. *Journal of Chemical Thermodynamics*, **2015**, 83, 67-76	2.9	67
42	Heat Transfer Capability of (Ethylene Glycol + Water)-Based Nanofluids Containing Graphene Nanoplatelets: Design and Thermophysical Profile. *Nanoscale Research Letters*, **2017**, 12, 53	5	54
41	Characterization and measurements of thermal conductivity, density and rheological properties of zinc oxide nanoparticles dispersed in (ethane-1,2-diol+water) mixture. *Journal of Chemical Thermodynamics*, **2013**, 58, 405-415	2.9	53
40	Heat Transfer Performance of Functionalized Graphene Nanoplatelet Aqueous Nanofluids. *Materials*, **2016**, 9,	3.5	45
39	Dynamic Viscosity and Surface Tension of Stable Graphene Oxide and Reduced Graphene Oxide Aqueous Nanofluids. *Journal of Nanofluids*, **2018**, 7, 1081-1088	2.2	38
38	Potential heat transfer enhancement of functionalized graphene nanoplatelet dispersions in a propylene glycol-water mixture. Thermophysical profile. *Journal of Chemical Thermodynamics*, **2018**, 123, 174-184	2.9	36
37	PEG 400-Based Phase Change Materials Nano-Enhanced with Functionalized Graphene Nanoplatelets. *Nanomaterials*, **2017**, 8,	5.4	36
36	Thermophysical properties of (diphenyl ether+biphenyl) mixtures for their use as heat transfer fluids. *Journal of Chemical Thermodynamics*, **2012**, 50, 80-88	2.9	36
35	Transport properties and heat transfer coefficients of ZnO/(ethylene glycol + water) nanofluids. *International Journal of Heat and Mass Transfer*, **2015**, 89, 433-443	4.9	34
34	Experimental evaluation of the effect in the stability and thermophysical properties of water-Al2O3 based nanofluids using SDBS as dispersant agent. *Advanced Powder Technology*, **2020**, 31, 560-570	4.6	32
33	Development of paraffinic phase change material nanoemulsions for thermal energy storage and transport in low-temperature applications. *Applied Thermal Engineering*, **2019**, 159, 113868	5.8	29
32	Flow behaviour of suspensions of functionalized graphene nanoplatelets in propylene glycol/water mixtures. *International Communications in Heat and Mass Transfer*, **2018**, 91, 150-157	5.8	29

31	(Solid + liquid) phase equilibria and heat capacity of (diphenyl ether + biphenyl) mixtures used as thermal energy storage materials. *Journal of Chemical Thermodynamics*, **2014**, 74, 43-50	2.9	28
30	Functionalized graphene nanoplatelet nanofluids based on a commercial industrial antifreeze for the thermal performance enhancement of wind turbines. *Applied Thermal Engineering*, **2019**, 152, 113-125	5.8	25
29	MWCNT in PEG-400 nanofluids for thermal applications: A chemical, physical and thermal approach. *Journal of Molecular Liquids*, **2019**, 294, 111616	6	23
28	Nano-encapsulated PCM emulsions prepared by a solvent-assisted method for solar applications. *Solar Energy Materials and Solar Cells*, **2019**, 194, 268-275	6.4	23
27	Thermal and Physical Characterization of PEG Phase Change Materials Enhanced by Carbon-Based Nanoparticles. *Nanomaterials*, **2020**, 10,	5.4	22
26	Physico-chemical properties of C60(OH)22□4 water solutions: Density, viscosity, refraction index, isobaric heat capacity and antioxidant activity. *Journal of Molecular Liquids*, **2019**, 278, 342-355	6	22
25	Effect of ZrO2 nanoparticles on thermophysical and rheological properties of three synthetic oils. *Journal of Molecular Liquids*, **2018**, 262, 126-138	6	21
24	Ethylene glycol based silver nanoparticles synthesized by polyol process: Characterization and thermophysical profile. *Journal of Molecular Liquids*, **2020**, 310, 113229	6	20
23	NePCM Based on Silver Dispersions in Poly(Ethylene Glycol) as a Stable Solution for Thermal Storage. *Nanomaterials*, **2019**, 10,	5.4	20
22	Surface tension of ethylene glycol-based nanofluids containing various types of nitrides. *Journal of Thermal Analysis and Calorimetry*, **2020**, 139, 799-806	4.1	19
21	Graphene-based nanofluids: A comprehensive review about rheological behavior and dynamic viscosity. *Journal of Molecular Liquids*, **2021**, 325, 115207	6	18
20	Dynamic Viscosity, Surface Tension and Wetting Behavior Studies of Paraffin□Water Nano□mulsions. *Energies*, **2019**, 12, 3334	3.1	17
19	Heat transfer performance of a nano-enhanced propylene glycol:water mixture. *International Journal of Thermal Sciences*, **2019**, 139, 413-423	4.1	17
18	Few-Layer Graphene-Based Nanofluids with Enhanced Thermal Conductivity. *Nanomaterials*, **2020**, 10,	5.4	16
17	An In Situ Hyaluronic Acid-Fibrin Hydrogel Containing Drug-Loaded Nanocapsules for Intra-Articular Treatment of Inflammatory Joint Diseases. *Regenerative Engineering and Translational Medicine*, **2020**, 6, 201-216	2.4	15
16	Shear flow behavior and dynamic viscosity of few-layer graphene nanofluids based on propylene glycol-water mixture. *Journal of Molecular Liquids*, **2020**, 316, 113875	6	11
15	Isobaric heat capacity at high pressure, density, and viscosity of (diphenyl ether + biphenyl) mixtures. *Journal of Chemical Thermodynamics*, **2016**, 93, 86-94	2.9	8
14	Krytox GPL102 Oil as Reference Fluid for High Viscosities: High Pressure Volumetric Properties, Heat Capacities, and Thermal Conductivities. *Journal of Chemical & Engineering Data*, **2015**, 60, 3660-3669	2.8	8

13	Determination of derived volumetric properties and heat capacities at high pressures using two density scaling based equations of state. Application to dipentaerythritol hexa(3,5,5-trimethylhexanoate). *Physical Chemistry Chemical Physics*, **2018**, 20, 3531-3542	3.6	5
12	Influence of molecular mass of PEG on rheological behaviour of MWCNT-based nanofluids for thermal energy storage. *Journal of Molecular Liquids*, **2020**, 318, 113965	6	5
11	Paraffin graphene oxide hybrid nano emulsions for thermal management systems. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 627, 127132	5.1	5
10	Characterization of Tuna Gelatin-Based Hydrogels as a Matrix for Drug Delivery.. *Gels*, **2022**, 8,	4.2	5
9	Optical characterisation of oxidised carbon nanohorn nanofluids for direct solar energy absorption applications. *Solar Energy*, **2019**, 191, 323-331	6.8	4
8	Effects of Carbon Nanohorn Based Nanofluids Pool Boiling on Optical Properties and Wettability of Different Metal Surfaces. *Heat Transfer Engineering*, **2020**, 1-14	1.7	4
7	Review on phase change material emulsions for advanced thermal management: Design, characterization and thermal performance. *Renewable and Sustainable Energy Reviews*, **2022**, 159, 112238	16.2	4
6	Magnetorheological behaviour of propylene glycol-based hematite nanofluids. *Rheologica Acta*, **2015**, 54, 757-769	2.3	3
5	Volumetric Properties and Surface Tension of Few-Layer Graphene Nanofluids Based on a Commercial Heat Transfer Fluid. *Energies*, **2020**, 13, 3462	3.1	3
4	Dynamic Viscosity of Purified Multi-Walled Carbon Nanotubes Water and Water-Propylene Glycol-Based Nanofluids. *Heat Transfer Engineering*, **2020**, 1-12	1.7	2
3	Combined gelatin-chondroitin sulfate hydrogels with graphene nanoparticles. *Emergent Materials*,1	3.5	1
2	Numerical analyses and tests for optimized and enhanced heat transfer solutions in DEMO. *Fusion Engineering and Design*, **2019**, 146, 2692-2697	1.7	1
1	Development and Thermophysical Profile of Cetyl Alcohol-in-Water Nanoemulsions for Thermal Management. *Fluids*, **2022**, 7, 11	1.6	1