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List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Experimental study on the density, surface tension and electrical properties of ZrO ₂ -EG nanofluids. <i>Physics and Chemistry of Liquids</i> , 2023, 61, 14-24.	1.2	9
2	Thermophysical, rheological and electrical properties of mono and hybrid TiB ₂ /B ₄ C nanofluids based on a propylene glycol:water mixture. <i>Powder Technology</i> , 2022, 395, 391-399.	4.2	18
3	Surface and optical properties of ethylene glycol-based nanofluids containing silicon dioxide nanoparticles: an experimental study. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 7665-7673.	3.6	10
4	Electrical conductivity of titanium dioxide ethylene glycol-based nanofluids: Impact of nanoparticles phase and concentration. <i>Powder Technology</i> , 2022, 404, 117423.	4.2	14
5	Experimental Investigation of Thermal Conductivity of Water-Based Fe ₃ O ₄ Nanofluid: An Effect of Ultrasonication Time. <i>Nanomaterials</i> , 2022, 12, 1961.	4.1	12
6	Ionic Liquid and Ionanofluid-Based Redox Flow Batteries—A Mini Review. <i>Energies</i> , 2022, 15, 4545.	3.1	17
7	Advances in rheological behavior of nanofluids and ionanofluids – An editorial note. <i>Journal of Molecular Liquids</i> , 2022, 362, 119669.	4.9	5
8	Thermophysical profile of ethylene glycol based nanofluids containing two types of carbon black nanoparticles with different specific surface areas. <i>Journal of Molecular Liquids</i> , 2021, 326, 115255.	4.9	36
9	High AC and DC Electroconductivity of Scalable and Economic Graphite-Diamond Polylactide Nanocomposites. <i>Materials</i> , 2021, 14, 2835.	2.9	6
10	3D printed measuring device for the determination the surface tension of nanofluids. <i>Applied Surface Science</i> , 2021, 561, 149878.	6.1	15
11	The effect of boiling in a thermosyphon on surface tension and contact angle of silica and graphene oxide nanofluids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127082.	4.7	19
12	Surface tension of ethylene glycol-based nanofluids containing various types of nitrides. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 799-806.	3.6	36
13	Nanofluids containing low fraction of carbon black nanoparticles in ethylene glycol: An experimental study on their rheological properties. <i>Journal of Molecular Liquids</i> , 2020, 297, 111732.	4.9	19
14	A review of recent advances in thermophysical properties at the nanoscale: From solid state to colloids. <i>Physics Reports</i> , 2020, 843, 1-81.	25.6	344
15	One-pot fabrication of 2D/2D HCa ₂ Nb ₃ O ₁₀ /g-C ₃ N ₄ type II heterojunctions towards enhanced photocatalytic H ₂ evolution under visible-light irradiation. <i>Catalysis Science and Technology</i> , 2020, 10, 5896-5902.	4.1	15
16	Thermal and Physical Characterization of PEG Phase Change Materials Enhanced by Carbon-Based Nanoparticles. <i>Nanomaterials</i> , 2020, 10, 1168.	4.1	40
17	Carbon Nanomaterial-Based Nanofluids for Direct Thermal Solar Absorption. <i>Nanomaterials</i> , 2020, 10, 1199.	4.1	38
18	Electrical and Optical Properties of Silicon Oxide Lignin Polylactide (SiO ₂ -L-PLA). <i>Molecules</i> , 2020, 25, 1354.	3.8	5

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19	Nanostructuring of 1-butyl-4-methylpyridinium chloride in ionic liquidâ€“iron oxide nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 1373-1380.	3.6	8
20	Effect of sonication characteristics on stability, thermophysical properties, and heat transfer of nanofluids: A comprehensive review. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104701.	8.2	188
21	Electrical Conductivity and Dielectric Properties of Ethylene Glycol-Based Nanofluids Containing Silicon Oxideâ€“Lignin Hybrid Particles. <i>Nanomaterials</i> , 2019, 9, 1008.	4.1	24
22	Tailored silver/graphene nanoplatelet hybrid nanofluids for solar applications. <i>Journal of Molecular Liquids</i> , 2019, 296, 112007.	4.9	30
23	Optical and dielectric properties of ethylene glycol-based nanofluids containing nanodiamonds with various purities. <i>Powder Technology</i> , 2019, 356, 508-516.	4.2	18
24	Synthesis and electrochemical characterization of electroactive IoNanofluids with high dielectric constants from hydrated ferrous sulphate. <i>Chemical Communications</i> , 2019, 55, 83-86.	4.1	10
25	Influence of Six Carbon-Based Nanomaterials on the Rheological Properties of Nanofluids. <i>Nanomaterials</i> , 2019, 9, 146.	4.1	37
26	Recent advances in preparation methods and thermophysical properties of oil-based nanofluids: A state-of-the-art review. <i>Powder Technology</i> , 2019, 352, 209-226.	4.2	163
27	Experimental Investigation of Electrical Conductivity of Ethylene Glycol Containing Indium Oxide Nanoparticles. <i>Acta Physica Polonica A</i> , 2019, 135, 1237-1239.	0.5	6
28	Dynamic Viscosity of Indium Oxide-Ethylene Glycol (In ₂ O ₃ -EG) Nanofluids: An Experimental Investigation. <i>Acta Physica Polonica A</i> , 2019, 135, 1290-1293.	0.5	5
29	Nanodiamonds â€“ Ethylene Glycol nanofluids: Experimental investigation of fundamental physical properties. <i>International Journal of Heat and Mass Transfer</i> , 2018, 121, 1201-1213.	4.8	73
30	Isobaric heat capacity and density of ethylene glycol based nanofluids containing various nitride nanoparticle types: An experimental study. <i>Journal of Molecular Liquids</i> , 2018, 261, 530-539.	4.9	67
31	Graphite/diamond ethylene glycol-nanofluids for solar energy applications. <i>Renewable Energy</i> , 2018, 126, 692-698.	8.9	43
32	Theoretical Probing of Weak Anionâ€“Cation Interactions in Certain Pyridinium-Based Ionic Liquid Ion Pairs and the Application of Molecular Electrostatic Potential in Their Ionic Crystal Density Determination: A Comparative Study Using Density Functional Approach. <i>Journal of Physical Chemistry A</i> , 2018, 122, 328-340.	2.5	26
33	Rheological behaviour of functionalized graphene nanoplatelet nanofluids based on water and propylene glycol:water mixtures. <i>International Communications in Heat and Mass Transfer</i> , 2018, 99, 43-53.	5.6	41
34	Nanofluids in the Service of High Voltage Transformers: Breakdown Properties of Transformer Oils with Nanoparticles, a Review. <i>Energies</i> , 2018, 11, 2942.	3.1	42
35	Ethylene glycol based silicon nitride nanofluids: An experimental study on their thermophysical, electrical and optical properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 104, 82-90.	2.7	35
36	Current trends in surface tension and wetting behavior of nanofluids. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 94, 931-944.	16.4	125

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37	Viscosity, thermal and electrical conductivity of silicon dioxide-ethylene glycol transparent nanofluids: An experimental studies. <i>Thermochimica Acta</i> , 2017, 650, 106-113.	2.7	112
38	Viscosity and thermal conductivity of MgO-EG nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 129, 171-180.	3.6	61
39	The influence of ash content on thermophysical properties of ethylene glycol based graphite/diamonds mixture nanofluids. <i>Diamond and Related Materials</i> , 2017, 74, 81-89.	3.9	45
40	Thermophysical and dielectric profiles of ethylene glycol based titanium nitride (TiN-EG) nanofluids with various size of particles. <i>International Journal of Heat and Mass Transfer</i> , 2017, 113, 1189-1199.	4.8	72
41	Synthesis, characterization and theoretical studies on novel organic-inorganic hybrid ion-gel polymer thin films from a Fe_2O_3 -doped polyvinylpyrrolidone-N-butylpyridinium tetrafluoroborate composite via intramolecular thermal polymerization. <i>RSC Advances</i> , 2017, 7, 16623-16636.	3.6	8
42	Dielectric Properties of Boron Nitride-Ethylene Glycol (BN-EG) Nanofluids. <i>Journal of Electronic Materials</i> , 2017, 46, 856-865.	2.2	11
43	Thermal conductivity of diethylene glycol based magnesium-aluminum spinel (MgAl_2O_4 -DG) nanofluids. <i>Heat and Mass Transfer</i> , 2017, 53, 1905-1909.	2.1	0
44	Electrical Conductivity of Ethylene Glycol Based Nanofluids with Different Types of Thulium Oxide Nanoparticles. <i>Acta Physica Polonica A</i> , 2017, 132, 146-148.	0.5	5
45	The Influence of Sonication and Silver Nanoparticles Doped on Viscoelastic Structure of Agarose Gel. <i>Acta Physica Polonica A</i> , 2017, 132, 152-154.	0.5	2
46	Effect of Temperature and Mass Concentration of SiO_2 Nanoparticles on Electrical Conductivity of Ethylene Glycol. <i>Acta Physica Polonica A</i> , 2017, 132, 155-157.	0.5	9
47	An Experimental Investigation of Electrical Conductivity of $\text{Y}_3\text{Al}_5\text{O}_{12}$ -Ethylene Glycol Nanofluids. <i>Acta Physica Polonica A</i> , 2017, 132, 149-151.	0.5	1
48	Experimental studies on viscosity, thermal and electrical conductivity of aluminum nitride-ethylene glycol (AlN-EG) nanofluids. <i>Thermochimica Acta</i> , 2016, 637, 11-16.	2.7	100
49	Experimental Investigation of Electrical Conductivity and Permittivity of SC-TiO ₂ -EG Nanofluids. <i>Nanoscale Research Letters</i> , 2016, 11, 375.	5.7	26
50	Huge thermal conductivity enhancement in boron nitride-ethylene glycol nanofluids. <i>Materials Chemistry and Physics</i> , 2016, 180, 250-255.	4.0	48
51	Paramagnetic ionic liquids for advanced applications: A review. <i>Journal of Molecular Liquids</i> , 2016, 218, 319-331.	4.9	84
52	Thermophysical properties of ethylene glycol based yttrium aluminum garnet ($\text{Y}_3\text{Al}_5\text{O}_{12}$ -EG) nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2016, 92, 751-756.	4.8	54
53	Rheological profile of boron nitride-ethylene glycol nanofluids. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	43
54	Viscosity of diethylene glycol-based Y_2O_3 nanofluids. <i>Journal of Experimental Nanoscience</i> , 2015, 10, 458-465.	2.4	4

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55	Electrical Properties of Aluminum Oxide-Ethylene Glycol (Al ₂ O ₃ -EG) Nanofluids. Acta Physica Polonica A, 2015, 128, 153-156.	0.5	1
56	Dynamic Viscosity of Aluminum Oxide-Ethylene Glycol (Al ₂ O ₃ -EG) Nanofluids. Acta Physica Polonica A, 2015, 128, 240-242.	0.5	16
57	Influence of anisotropic pressure on viscosity and electrorheology of diethylene glycol-based MgAl ₂ O ₄ nanofluids. Nanoscale Research Letters, 2014, 9, 170.	5.7	11
58	On unexpected behavior of viscosity of diethylene glycol-based MgAl ₂ O ₄ nanofluids. RSC Advances, 2014, 4, 26057.	3.6	16
59	Rheological properties of diethylene glycol-based MgAl ₂ O ₄ nanofluids. RSC Advances, 2013, 3, 6429.	3.6	26
60	Viscosity of Suspensions of Yttrium Oxide (Y ₂ O ₃) Nanopowder in Ethyl Alcohol. Journal of Nanoscience and Nanotechnology, 2012, 12, 8920-8928.	0.9	3
61	Dependence of viscosity of suspensions of ceramic nanopowders in ethyl alcohol on concentration and temperature. Nanoscale Research Letters, 2012, 7, 412.	5.7	10