

Jacek Fal

List of Publications by Year in descending order

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papers

837
citations

516710

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docs citations

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times ranked

679
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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Nanodiamonds - 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
4	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
5	Huge thermal conductivity enhancement in boron nitride - ethylene glycol nanofluids. <i>Materials Chemistry and Physics</i> , 2016, 180, 250-255.	4.0	48
6	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
7	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
8	Thermal and Physical Characterization of PEG Phase Change Materials Enhanced by Carbon-Based Nanoparticles. <i>Nanomaterials</i> , 2020, 10, 1168.	4.1	40
9	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
10	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
11	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
12	Experimental Investigation of Electrical Conductivity and Permittivity of SC-TiO ₂ -EG Nanofluids. <i>Nanoscale Research Letters</i> , 2016, 11, 375.	5.7	26
13	Electrical Conductivity and Dielectric Properties of Ethylene Glycol-Based Nanofluids Containing Silicon Oxide-Lignin Hybrid Particles. <i>Nanomaterials</i> , 2019, 9, 1008.	4.1	24
14	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
15	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
16	Polymer Composites Based on Polycarbonate (PC) Applied to Additive Manufacturing Using Melted and Extruded Manufacturing (MEM) Technology. <i>Polymers</i> , 2021, 13, 2455.	4.5	17
17	Dynamic Viscosity of Aluminum Oxide-Ethylene Glycol (Al ₂ O ₃ -EG) Nanofluids. <i>Acta Physica Polonica A</i> , 2015, 128, 240-242.	0.5	16
18	3D printed measuring device for the determination the surface tension of nanofluids. <i>Applied Surface Science</i> , 2021, 561, 149878.	6.1	15

#	ARTICLE	IF	CITATIONS
19	Electrical conductivity of titanium dioxide ethylene glycol-based nanofluids: Impact of nanoparticles phase and concentration. Powder Technology, 2022, 404, 117423.	4.2	14
20	Dielectric Properties of Boron Nitride-Ethylene Glycol (BN-EG) Nanofluids. Journal of Electronic Materials, 2017, 46, 856-865.	2.2	11
21	Synthesis and electrochemical characterization of electroactive IoNanofluids with high dielectric constants from hydrated ferrous sulphate. Chemical Communications, 2019, 55, 83-86.	4.1	10
22	Experimental study on the density, surface tension and electrical properties of ZrO ₂ â€“EG nanofluids. Physics and Chemistry of Liquids, 2023, 61, 14-24.	1.2	9
23	Nanostructuring of 1-butyl-4-methylpyridinium chloride in ionic liquidâ€“iron oxide nanofluids. Journal of Thermal Analysis and Calorimetry, 2019, 135, 1373-1380.	3.6	8
24	High AC and DC Electroconductivity of Scalable and Economic Graphiteâ€“Diamond Polylactide Nanocomposites. Materials, 2021, 14, 2835.	2.9	6
25	Electrical and Optical Properties of Silicon Oxide Lignin Polylactide (SiO ₂ -L-PLA). Molecules, 2020, 25, 1354.	3.8	5
26	Electrical Properties of Aluminum Oxide-Ethylene Glycol (Al ₂ O ₃ -EG) Nanofluids. Acta Physica Polonica A, 2015, 128, 153-156.	0.5	1
27	Thermal conductivity of diethylene glycol based magnesiumâ€“aluminum spinel (MgAl ₂ O ₄ -DG) nanofluids. Heat and Mass Transfer, 2017, 53, 1905-1909.	2.1	0