

Jacek Fal

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

837
citations

516710

16
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

679
citing authors

#	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	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
4	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
5	High AC and DC Electroconductivity of Scalable and Economic Graphite-Diamond Polylactide Nanocomposites. <i>Materials</i> , 2021, 14, 2835.	2.9	6
6	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
7	3D printed measuring device for the determination the surface tension of nanofluids. <i>Applied Surface Science</i> , 2021, 561, 149878.	6.1	15
8	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
9	Thermal and Physical Characterization of PEG Phase Change Materials Enhanced by Carbon-Based Nanoparticles. <i>Nanomaterials</i> , 2020, 10, 1168.	4.1	40
10	Electrical and Optical Properties of Silicon Oxide Lignin Polylactide (SiO ₂ -L-PLA). <i>Molecules</i> , 2020, 25, 1354.	3.8	5
11	Nanostructuring of 1-butyl-4-methylpyridinium chloride in ionic liquid-iron oxide nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 1373-1380.	3.6	8
12	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
13	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
14	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
15	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
16	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
17	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
18	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

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19	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
20	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
21	Dielectric Properties of Boron Nitride-Ethylene Glycol (BN-EG) Nanofluids. <i>Journal of Electronic Materials</i> , 2017, 46, 856-865.	2.2	11
22	Thermal conductivity of diethylene glycol based magnesium-aluminum spinel (MgAl ₂ O ₄ -DG) nanofluids. <i>Heat and Mass Transfer</i> , 2017, 53, 1905-1909.	2.1	0
23	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
24	Experimental Investigation of Electrical Conductivity and Permittivity of SC-TiO ₂ -EG Nanofluids. <i>Nanoscale Research Letters</i> , 2016, 11, 375.	5.7	26
25	Huge thermal conductivity enhancement in boron nitride-ethylene glycol nanofluids. <i>Materials Chemistry and Physics</i> , 2016, 180, 250-255.	4.0	48
26	Electrical Properties of Aluminum Oxide-Ethylene Glycol (Al ₂ O ₃ -EG) Nanofluids. <i>Acta Physica Polonica A</i> , 2015, 128, 153-156.	0.5	1
27	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