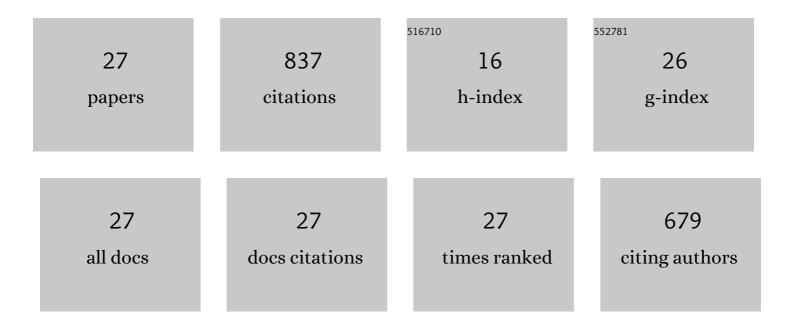
Jacek Fal

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Viscosity, thermal and electrical conductivity of silicon dioxide–ethylene glycol transparent nanofluids: An experimental studies. Thermochimica Acta, 2017, 650, 106-113.	2.7	112
2	Experimental studies on viscosity, thermal and electrical conductivity of aluminum nitride–ethylene glycol (AlN–EG) nanofluids. Thermochimica Acta, 2016, 637, 11-16.	2.7	100
3	Nanodiamonds – Ethylene Glycol nanofluids: Experimental investigation of fundamental physical properties. International Journal of Heat and Mass Transfer, 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. International Journal of Heat and Mass Transfer, 2017, 113, 1189-1199.	4.8	72
5	Huge thermal conductivity enhancement in boron nitride – ethylene glycol nanofluids. Materials Chemistry and Physics, 2016, 180, 250-255.	4.0	48
6	The influence of ash content on thermophysical properties of ethylene glycol based graphite/diamonds mixture nanofluids. Diamond and Related Materials, 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. Energies, 2018, 11, 2942.	3.1	42
8	Thermal and Physical Characterization of PEG Phase Change Materials Enhanced by Carbon-Based Nanoparticles. Nanomaterials, 2020, 10, 1168.	4.1	40
9	Surface tension of ethylene glycol-based nanofluids containing various types of nitrides. Journal of Thermal Analysis and Calorimetry, 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. Journal of Molecular Liquids, 2021, 326, 115255.	4.9	36
11	Ethylene glycol based silicon nitride nanofluids: An experimental study on their thermophysical, electrical and optical properties. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 104, 82-90.	2.7	35
12	Experimental Investigation of Electrical Conductivity and Permittivity of SC-TiO 2 -EG Nanofluids. Nanoscale Research Letters, 2016, 11, 375.	5.7	26
13	Electrical Conductivity and Dielectric Properties of Ethylene Glycol-Based Nanofluids Containing Silicon Oxide–Lignin Hybrid Particles. Nanomaterials, 2019, 9, 1008.	4.1	24
14	Optical and dielectric properties of ethylene glycol-based nanofluids containing nanodiamonds with various purities. Powder Technology, 2019, 356, 508-516.	4.2	18
15	Thermophysical, rheological and electrical properties of mono and hybrid TiB2/B4C nanofluids based on a propylene glycol:water mixture. Powder Technology, 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. Polymers, 2021, 13, 2455.	4.5	17
17	Dynamic Viscosity of Aluminum Oxide-Ethylene Glycol (Alâ,,Oâ,ƒ-EG) Nanofluids. Acta Physica Polonica A, 2015, 128, 240-242.	0.5	16
18	3D printed measuring device for the determination the surface tension of nanofluids. Applied Surface Science, 2021, 561, 149878.	6.1	15

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#	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 –EG nanofluids. Physics and Chemistry of Liquids, 2023, 61, 14-24.	1.2	9
23	Nanostructuring of 1-butyl-4-methylpyridinium chloride in ionic liquid–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 Graphite–Diamond Polylactide Nanocomposites. Materials, 2021, 14, 2835.	2.9	6
25	Electrical and Optical Properties of Silicon Oxide Lignin Polylactide (SiO2-L-PLA). Molecules, 2020, 25, 1354.	3.8	5
26	Electrical Properties of Aluminum Oxide-Ethylene Glycol (Alâ,,Oâ,ƒ-EG) Nanofluids. Acta Physica Polonica A, 2015, 128, 153-156.	0.5	1
27	Thermal conductivity of diethylene glycol based magnesium–aluminum spinel (MgAl2O4-DG) nanofluids. Heat and Mass Transfer, 2017, 53, 1905-1909.	2.1	Ο