

Michal Urbanek

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Polypropylene Nanocomposite Filled with Spinel Ferrite NiFe ₂ O ₄ Nanoparticles and In-Situ Thermally-Reduced Graphene Oxide for Electromagnetic Interference Shielding Application. <i>Nanomaterials</i> , 2019, 9, 621.	1.9	68
2	Impact of sonochemical synthesis condition on the structural and physical properties of MnFe ₂ O ₄ spinel ferrite nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2020, 61, 104839.	3.8	57
3	NiFe ₂ O ₄ Nanoparticles Synthesized by Dextrin from Corn-Mediated Sol-Gel Combustion Method and Its Polypropylene Nanocomposites Engineered with Reduced Graphene Oxide for the Reduction of Electromagnetic Pollution. <i>ACS Omega</i> , 2019, 4, 22069-22081.	1.6	42
4	Heterojunction-based photocatalytic nitrogen fixation: principles and current progress. <i>Nanoscale Advances</i> , 2021, 3, 6358-6372.	2.2	27
5	Characterisation of Polyamide (PA)12 Nanocomposites with Montmorillonite (MMT) Filler Clay Used for the Incremental Forming of Sheets. <i>Polymers</i> , 2019, 11, 1248.	2.0	24
6	Solid-State Synthesis of Direct Z-Scheme Cu ₂ O/WO ₃ Nanocomposites with Enhanced Visible-Light Photocatalytic Performance. <i>Catalysts</i> , 2021, 11, 293.	1.6	23
7	High-Performance, Lightweight, and Flexible Thermoplastic Polyurethane Nanocomposites with Zn ²⁺ -Substituted CoFe ₂ O ₄ Nanoparticles and Reduced Graphene Oxide as Shielding Materials against Electromagnetic Pollution. <i>ACS Omega</i> , 2021, 6, 28098-28118.	1.6	22
8	TiO ₂ /Halloysite hybrid filler reinforced epoxy nanocomposites. <i>Polymer Composites</i> , 2018, 39, E2426.	2.3	17
9	Excellent, Lightweight and Flexible Electromagnetic Interference Shielding Nanocomposites Based on Polypropylene with MnFe ₂ O ₄ Spinel Ferrite Nanoparticles and Reduced Graphene Oxide. <i>Nanomaterials</i> , 2020, 10, 2481.	1.9	17
10	Surface-initiated mechano-ATRP as a convenient tool for tuning of bidisperse magnetorheological suspensions toward extreme kinetic stability. <i>Polymer Chemistry</i> , 2021, 12, 5093-5105.	1.9	17
11	Field emission from the surface of highly ordered pyrolytic graphite. <i>Applied Surface Science</i> , 2017, 395, 157-161.	3.1	15
12	Energy resolved-electrochemical impedance spectroscopy investigation of the role of Al-doped ZnO nanoparticles in electronic structure modification of polymer nanocomposite LEDs. <i>Materials and Design</i> , 2021, 205, 109738.	3.3	13
13	Cu _x Co _{1-x} Fe ₂ O ₄ (x = 0.33, 0.67, 1) Spinel Ferrite Nanoparticles Based Thermoplastic Polyurethane Nanocomposites with Reduced Graphene Oxide for Highly Efficient Electromagnetic Interference Shielding. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2610.	1.8	13
14	An experimental and theoretical study of the structural ordering of the PTB7 polymer at a mesoscopic scale. <i>Polymer</i> , 2019, 169, 243-254.	1.8	11
15	Laser-assisted synthesis of Fe-Cu oxide nanocrystals. <i>Applied Surface Science</i> , 2019, 469, 1007-1015.	3.1	11
16	Superparamagnetic ZnFe ₂ O ₄ Nanoparticles-Reduced Graphene Oxide-Polyurethane Resin Based Nanocomposites for Electromagnetic Interference Shielding Application. <i>Nanomaterials</i> , 2021, 11, 1112.	1.9	11
17	Preparation of electrospun magnetic polyvinyl butyral/Fe ₂ O ₃ nanofibrous membranes for effective removal of iron ions from groundwater. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49576.	1.3	9
18	Laser-induced fragmentation of carbonyl iron as a clean method to enhance magnetorheological effect. <i>Journal of Cleaner Production</i> , 2020, 254, 120182.	4.6	9

#	ARTICLE	IF	CITATIONS
19	The Photostability of Novel Boron Hydride Blue Emitters in Solution and Polystyrene Matrix. <i>Materials</i> , 2021, 14, 589.	1.3	9
20	On the Use of Laser Fragmentation for the Synthesis of Ligand-Free Ultra-Small Iron Nanoparticles in Various Liquid Environments. <i>Nanomaterials</i> , 2021, 11, 1538.	1.9	4
21	Effect of Hydrogen on the Properties of Amorphous Carbon Nitride Films. <i>Advanced Materials Research</i> , 0, 383-390, 3298-3304.	0.3	2
22	Unravelling the highly efficient synthesis of individual carbon nanodots from casein micelles and the origin of their competitive constant-blue-red wavelength shift luminescence mechanism for versatile applications. <i>RSC Advances</i> , 2022, 12, 16277-16290.	1.7	2
23	Measurements of current density distribution in shaped e-beam writers. <i>Microelectronic Engineering</i> , 2016, 149, 117-124.	1.1	1
24	Local process-dependent structural and mechanical properties of extrusion blow molded high-density polyethylene hollow parts. <i>Polymer Testing</i> , 2020, 82, 106314.	2.3	1