Michal Urbanek

List of Publications by Year
in descending order

24 papers	425 citations	758635 12 h-index	752256 20 g-index
24 all docs	24 docs citations	24 times ranked	474 citing authors

#	Article	IF	Citations
1	CuxCo1-xFe2O4 (x = 0.33, 0.67, 1) Spinel Ferrite Nanoparticles Based Thermoplastic Polyurethane Nanocomposites with Reduced Graphene Oxide for Highly Efficient Electromagnetic Interference Shielding. International Journal of Molecular Sciences, 2022, 23, 2610.	1.8	13
2	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. RSC Advances, 2022, 12, 16277-16290.	1.7	2
3	The Photostability of Novel Boron Hydride Blue Emitters in Solution and Polystyrene Matrix. Materials, 2021, 14, 589.	1.3	9
4	Surface-initiated mechano-ATRP as a convenient tool for tuning of bidisperse magnetorheological suspensions toward extreme kinetic stability. Polymer Chemistry, 2021, 12, 5093-5105.	1.9	17
5	Heterojunction-based photocatalytic nitrogen fixation: principles and current progress. Nanoscale Advances, 2021, 3, 6358-6372.	2.2	27
6	Solid-State Synthesis of Direct Z-Scheme Cu2O/WO3 Nanocomposites with Enhanced Visible-Light Photocatalytic Performance. Catalysts, 2021, 11, 293.	1.6	23
7	Superparamagnetic ZnFe2O4 Nanoparticles-Reduced Graphene Oxide-Polyurethane Resin Based Nanocomposites for Electromagnetic Interference Shielding Application. Nanomaterials, 2021, 11, 1112.	1.9	11
8	On the Use of Laser Fragmentation for the Synthesis of Ligand-Free Ultra-Small Iron Nanoparticles in Various Liquid Environments. Nanomaterials, 2021, 11, 1538.	1.9	4
9	Energy resolved-electrochemical impedance spectroscopy investigation of the role of Al-doped ZnO nanoparticles in electronic structure modification of polymer nanocomposite LEDs. Materials and Design, 2021, 205, 109738.	3.3	13
10	High-Performance, Lightweight, and Flexible Thermoplastic Polyurethane Nanocomposites with Zn²⁺-Substituted CoFe₂O₄ Nanoparticles and Reduced Graphene Oxide as Shielding Materials against Electromagnetic Pollution. ACS Omega, 2021, 6, 28098-28118.	1.6	22
11	Impact of sonochemical synthesis condition on the structural and physical properties of MnFe2O4 spinel ferrite nanoparticles. Ultrasonics Sonochemistry, 2020, 61, 104839.	3.8	57
12	Local process-dependent structural and mechanical properties of extrusion blow molded high-density polyethylene hollow parts. Polymer Testing, 2020, 82, 106314.	2.3	1
13	Excellent, Lightweight and Flexible Electromagnetic Interference Shielding Nanocomposites Based on Polypropylene with MnFe2O4 Spinel Ferrite Nanoparticles and Reduced Graphene Oxide. Nanomaterials, 2020, 10, 2481.	1.9	17
14	Preparation of electrospun magnetic polyvinyl butyral/<scp>Fe₂O₃</scp> nanofibrous membranes for effective removal of iron ions from groundwater. Journal of Applied Polymer Science, 2020, 137, 49576.	1.3	9
15	Laser-induced fragmentation of carbonyl iron as a clean method to enhance magnetorheological effect. Journal of Cleaner Production, 2020, 254, 120182.	4.6	9
16	Characterisation of Polyamide (PA)12 Nanocomposites with Montmorillonite (MMT) Filler Clay Used for the Incremental Forming of Sheets. Polymers, 2019, 11, 1248.	2.0	24
17	Polypropylene Nanocomposite Filled with Spinel Ferrite NiFe2O4 Nanoparticles and In-Situ Thermally-Reduced Graphene Oxide for Electromagnetic Interference Shielding Application. Nanomaterials, 2019, 9, 621.	1.9	68
18	An experimental and theoretical study of the structural ordering of the PTB7 polymer at a mesoscopic scale. Polymer, 2019, 169, 243-254.	1.8	11

#	Article	IF	Citations
19	NiFe₂O₄ Nanoparticles Synthesized by Dextrin from Corn-Mediated Solâ€“Gel Combustion Method and Its Polypropylene Nanocomposites Engineered with Reduced Graphene Oxide for the Reduction of Electromagnetic Pollution. ACS Omega, 2019, 4, 22069-22081.	1.6	42
20	Laser-assisted synthesis of Fe-Cu oxide nanocrystals. Applied Surface Science, 2019, 469, 1007-1015.	3.1	11
21	TiO₂/Halloysite hybrid filler reinforced epoxy nanocomposites. Polymer Composites, 2018, 39, E2426.	2.3	17
22	Field emission from the surface of highly ordered pyrolytic graphite. Applied Surface Science, 2017, 395, 157-161.	3.1	15
23	Measurements of current density distribution in shaped e-beam writers. Microelectronic Engineering, 2016, 149, 117-124.	1.1	1
24	Effect of Hydrogen on the Properties of Amorphous Carbon Nitride Films. Advanced Materials Research, 0, 383-390, 3298-3304.	0.3	2