

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56 papers	994 citations	17 h-index	29 g-index
62 ext. papers	1,150 ext. citations	5.1 avg, IF	4.08 L-index

#	Paper	IF	Citations
56	A smart platform for hyperthermia application in cancer treatment: cobalt-doped ferrite nanoparticles mineralized in human ferritin cages. <i>ACS Nano</i> , 2014 , 8, 4705-19	16.7	154
55	Pebbles and PebbleJuggler: software for accurate, unbiased, and fast measurement and analysis of nanoparticle morphology from transmission electron microscopy (TEM) micrographs. <i>Nanoscale</i> , 2012 , 4, 5356-72	7.7	105
54	Monodisperse Octahedral MnS and MnO Nanoparticles by the Decomposition of Manganese Oleate in the Presence of Sulfur. <i>Chemistry of Materials</i> , 2010 , 22, 2804-2813	9.6	56
53	Direct observation of charge order in underdoped and optimally doped $\text{Bi}_2(\text{Sr},\text{La})_2\text{CuO}_{6+\delta}$ by resonant inelastic x-ray scattering. <i>Physical Review B</i> , 2016 , 94,	3.3	43
52	Evolution of Extraframework Iron Species in Fe Silicalite. <i>Journal of Catalysis</i> , 2002 , 208, 83-88	7.3	41
51	Zwitterion-Coated Iron Oxide Nanoparticles: Surface Chemistry and Intracellular Uptake by Hepatocarcinoma (HepG2) Cells. <i>Langmuir</i> , 2015 , 31, 7381-90	4	35
50	A green approach to magnetically-hard electrically-conducting polyaniline/ CoFe_2O_4 nanocomposites. <i>Composites Science and Technology</i> , 2015 , 110, 138-144	8.6	30
49	Design of functionalized gold nanoparticle probes for computed tomography imaging. <i>Contrast Media and Molecular Imaging</i> , 2016 , 11, 405-414	3.2	24
48	Glucose-coated superparamagnetic iron oxide nanoparticles prepared by metal vapour synthesis are electively internalized in a pancreatic adenocarcinoma cell line expressing GLUT1 transporter. <i>PLoS ONE</i> , 2015 , 10, e0123159	3.7	24
47	Silver(I) oxide nanoparticles as a catalyst in the azide-alkyne cycloaddition. <i>Tetrahedron Letters</i> , 2015 , 56, 5727-5730	2	23
46	Controlled growth of Ni/NiO core-shell nanoparticles: Structure, morphology and tuning of magnetic properties. <i>Applied Surface Science</i> , 2014 , 306, 2-6	6.7	22
45	Flame-Made Cu/TiO ₂ and Cu-Pt/TiO ₂ Photocatalysts for Hydrogen Production. <i>Catalysts</i> , 2017 , 7, 301	4	22
44	Three-Dimensional Reconstruction, by TEM Tomography, of the Ultrastructural Modifications Occurring in <i>Cucumis sativus</i> L. Mitochondria under Fe Deficiency. <i>PLoS ONE</i> , 2015 , 10, e0129141	3.7	21
43	Tunability of exchange bias in Ni@NiO core-shell nanoparticles obtained by sequential layer deposition. <i>Nanotechnology</i> , 2015 , 26, 405704	3.4	20
42	c-Myc shuttled by tumour-derived extracellular vesicles promotes lung bronchial cell proliferation through miR-19b and miR-92a. <i>Cell Death and Disease</i> , 2019 , 10, 759	9.8	20
41	Electron spin-echo relaxation and envelope modulation of shallow phosphorus donors in silicon. <i>Physical Review B</i> , 2005 , 72,	3.3	20
40	Colloidal stability of iron oxide nanocrystals coated with a PEG-based tetra-catechol surfactant. <i>Nanotechnology</i> , 2013 , 24, 105702	3.4	19

39	Impact of semi-solid formulations on skin penetration of iron oxide nanoparticles. <i>Journal of Nanobiotechnology</i> , 2017 , 15, 14	9.4	17
38	Shaped-controlled silicon-doped hematite nanostructures for enhanced PEC water splitting. <i>Catalysis Today</i> , 2019 , 328, 43-49	5.3	17
37	Towards bio-compatible magnetic nanoparticles: Immune-related effects, in-vitro internalization, and in-vivo bio-distribution of zwitterionic ferrite nanoparticles with unexpected renal clearance. <i>Journal of Colloid and Interface Science</i> , 2021 , 582, 678-700	9.3	17
36	The role played by different TiO ₂ features on the photocatalytic degradation of paracetamol. <i>Applied Surface Science</i> , 2017 , 424, 198-205	6.7	16
35	Superparamagnetic iron oxide nanoparticles stabilized by a poly(amidoamine)-rhenium complex as potential theranostic probe. <i>Dalton Transactions</i> , 2014 , 43, 1172-83	4.3	16
34	One-pot synthesis of polyaniline/Fe ₃ O ₄ nanocomposites with magnetic and conductive behaviour. Catalytic effect of Fe ₃ O ₄ nanoparticles. <i>Synthetic Metals</i> , 2012 , 162, 2250-2258	3.6	16
33	Electron Paramagnetic Resonance Spectroscopy of Iron(III)-Doped MFI Zeolite. 1. Multifrequency CW-EPR. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 1999-2005	3.4	16
32	Experimental and theoretical investigations on magneto-structural correlation in trinuclear copper(II) hydroxido propellers. <i>Polyhedron</i> , 2018 , 145, 22-34	2.7	15
31	Synthesis of Water Dispersible and Catalytically Active Gold-Decorated Cobalt Ferrite Nanoparticles. <i>Langmuir</i> , 2016 , 32, 7117-26	4	15
30	Water-Processable Amphiphilic Low Band Gap Block Copolymer:Fullerene Blend Nanoparticles as Alternative Sustainable Approach for Organic Solar Cells. <i>Advanced Sustainable Systems</i> , 2018 , 2, 1700155 ^{5,9}	5.9	14
29	Magnetic nanoparticles conjugated to chiral imidazolidinone as recoverable catalyst. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	14
28	pH-sensitive polymersomes: controlling swelling via copolymer structure and chemical composition. <i>Journal of Drug Targeting</i> , 2017 , 25, 899-909	5.4	14
27	Structure, Defects, and Magnetism of Electrospun Hematite Nanofibers Silica-Coated by Atomic Layer Deposition. <i>Langmuir</i> , 2020 , 36, 1305-1319	4	13
26	Colloidal polymer-coated Zn-doped iron oxide nanoparticles with high relaxivity and specific absorption rate for efficient magnetic resonance imaging and magnetic hyperthermia. <i>Journal of Colloid and Interface Science</i> , 2020 , 579, 186-194	9.3	11
25	Cu and Pt clusters deposition on TiO ₂ powders by DC magnetron sputtering for photocatalytic hydrogen production. <i>Catalysis Today</i> , 2019 , 326, 15-21	5.3	11
24	Elemental mercury vapor chemoresistors employing TiO ₂ nanofibers photocatalytically decorated with Au-nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2017 , 247, 957-967	8.5	9
23	EPR study of iron-doped MFI zeolite and silicalite catalysts: effect of treatments after synthesis. <i>Research on Chemical Intermediates</i> , 2002 , 28, 101-116	2.8	8
22	organized neovascularization induced by 3D bioprinted endothelial-derived extracellular vesicles. <i>Biofabrication</i> , 2021 , 13,	10.5	8

21	Microwave characterization of magnetically hard and soft ferrite nanoparticles in K-band. <i>Journal of Applied Physics</i> , 2014 , 116, 154306	2.5	7
20	A new catechol-functionalized polyamidoamine as an effective SPION stabilizer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 174, 260-269	6	7
19	Surfactant-controlled composition and crystal structure of manganese(II) sulfide nanocrystals prepared by solvothermal synthesis. <i>Beilstein Journal of Nanotechnology</i> , 2015 , 6, 2319-29	3	6
18	Quantitative texture analysis from powder-like electron diffraction data. <i>Journal of Applied Crystallography</i> , 2011 , 44, 454-461	3.8	6
17	Steering the magnetic properties of Ni/NiO/CoO core-shell nanoparticle films: The role of core-shell interface versus interparticle interactions. <i>Physical Review Materials</i> , 2017 , 1,	3.2	6
16	An Approach For Magnetic Halloysite Nanocomposite with Selective Loading of Superparamagnetic Magnetite Nanoparticles in the Lumen. <i>Inorganic Chemistry</i> , 2020 , 59, 12086-12096	5.1	5
15	Investigation of Ni@CoO core-shell nanoparticle films synthesized by sequential layer deposition. <i>Applied Surface Science</i> , 2017 , 396, 1860-1865	6.7	4
14	Size-dependent catalytic effect of magnetite nanoparticles in the synthesis of tunable magnetic polyaniline nanocomposites. <i>Chemical Papers</i> , 2021 , 75, 5057-5069	1.9	4
13	Circulating extracellular vesicles from individuals at high-risk of lung cancer induce pro-tumorigenic conversion of stromal cells through transfer of miR-126 and miR-320. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021 , 40, 237	12.8	4
12	Manganese Sulfide (MnS) Nanocrystals: Synthesis, Properties, and Applications 2016 ,		4
11	Surfactant-free miniemulsion approach for low band gap rod-coil block copolymer water-processable nanoparticle fabrication: Film preparation and morphological characterization. <i>Polymer</i> , 2019 , 174, 61-69	3.9	3
10	Selective Formation, Reactivity, Redox and Magnetic Properties of Mn and Fe Dinuclear Complexes with Shortened Salen-Type Schiff Base Ligands. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
9	Nitrilimine cycloadditions catalyzed by iron oxide nanoparticles. <i>Journal of Nanoparticle Research</i> , 2018 , 20, 1	2.3	3
8	Conformational disorder in the propagating radical of dimethacrylate polymers. <i>Research on Chemical Intermediates</i> , 2002 , 28, 159-174	2.8	2
7	The azide-alkyne cycloaddition catalysed by transition metal oxide nanoparticles. <i>New Journal of Chemistry</i> , 2019 , 43, 18049-18061	3.6	1
6	Small EVs-Associated DNA as Complementary Biomarker to Circulating Tumor DNA in Plasma of Metastatic Colorectal Cancer Patients. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	1
5	Increasing the Magnetic Anisotropy of a Natural System: Co-Doped Magnetite Mineralized in Ferritin Shells. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 4964-4973	1.3	0
4	Ultrafast spectroscopy on water-processable PCBM: rod-coil block copolymer nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 26583-26591	3.6	0

- 3 Exploiting Ultrashort α -Peptides in the Colloidal Stabilization of Gold Nanoparticles. *Langmuir*, **2021**, 37, 11365-11373 4 o
- 2 Synthesis and design of ferro- and ferrimagnetic NPs: Size and shape control in wet-chemistry synthesis **2020**, 333-379
- 1 Stereoselective Synthesis by Catalysts Supported on Magnetic Nanoferrite **2020**, 115-157