Darko Makovec

List of Publications by Year in descending order

154 papers	4,772 citations	76326 40 h-index	128289 60 g-index
155 all docs	155 docs citations	155 times ranked	6687 citing authors

#	Article	IF	Citations
1	Magnetic Assembly of Superparamagnetic Iron Oxide Nanoparticle Clusters into Nanochains and Nanobundles. ACS Nano, 2015, 9, 9700-9707.	14.6	154
2	Magnetic properties of novel superparamagnetic iron oxide nanoclusters and their peculiarity under annealing treatment. Applied Surface Science, 2014, 322, 255-264.	6.1	149
3	Solid Solubility of Holmium, Yttrium, and Dysprosium in BaTiO3. Journal of the American Ceramic Society, 2004, 87, 1324-1329.	3.8	141
4	Influence of synthesis method on structural and magnetic properties of cobalt ferrite nanoparticles. Journal of Nanoparticle Research, 2010, 12, 1263-1273.	1.9	113
5	Functionalization of magnetic nanoparticles with 3-aminopropyl silane. Journal of Magnetism and Magnetic Materials, 2009, 321, 1346-1350.	2.3	112
6	Controlled surface functionalization of silica-coated magnetic nanoparticles with terminal amino and carboxyl groups. Journal of Nanoparticle Research, 2011, 13, 2829-2841.	1.9	110
7	Producing ultra-thin silica coatings on iron-oxide nanoparticles to improve their surface reactivity. Journal of Magnetism and Magnetic Materials, 2010, 322, 1847-1853.	2.3	107
8	Mechanochemical synthesis of nanostructured fluorapatite/fluorhydroxyapatite and carbonated fluorapatite/fluorhydroxyapatite. Journal of Solid State Chemistry, 2004, 177, 2565-2574.	2.9	106
9	Influence of the Addition of Bi₂O₃ on the Grain Growth and Magnetic Permeability of MnZn Ferrites. Journal of the American Ceramic Society, 1998, 81, 2841-2848.	3.8	88
10	Hydrothermal synthesis of ultrafine barium hexaferrite nanoparticles and the preparation of their stable suspensions. Nanotechnology, 2009, 20, 315605.	2.6	87
11	The synthesis of spinelâ€“ferrite nanoparticles using precipitation in microemulsions for ferrofluid applications. Journal of Magnetism and Magnetic Materials, 2005, 289, 32-35.	2.3	86
12	Solid Solubility of Cerium in BaTiO3. Journal of Solid State Chemistry, 1996, 123, 30-38.	2.9	85
13	Synthesis of copperâ€“nickel nanoparticles prepared by mechanical milling for use in magnetic hyperthermia. Journal of Magnetism and Magnetic Materials, 2011, 323, 2254-2258.	2.3	85
14	High surface adsorption properties of carbon-based nanomaterials are responsible for mortality, swimming inhibition, and biochemical responses in Artemia salina larvae. Aquatic Toxicology, 2015, 163, 121-129.	4.0	83
15	Preparation of MnZn-ferrite with microemulsion technique. Journal of the European Ceramic Society, 2004, 24, 959-962.	5.7	82
16	Structure of manganese zinc ferrite spinel nanoparticles prepared with co-precipitation in reversed microemulsions. Journal of Nanoparticle Research, 2009, 11, 1145-1158.	1.9	81
17	Preparation and properties of water-based magnetic fluids. Journal of Physics Condensed Matter, 2008, 20, 204101.	1.8	74
18	Grain boundary reoxidation of donor-doped barium titanate ceramics. Journal of the European Ceramic Society, 2006, 26, 2899-2907.	5.7	69

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19	Defect Structure and Phase Relations of Highly Lanthanum-Doped Barium Titanate. Journal of the American Ceramic Society, 1995, 78, 2193-2197.	3.8	67
20	Design and Fabrication of Magnetically Responsive Nanocarriers for Drug Delivery. Current Medicinal Chemistry, 2017, 24, 454-469.	2.4	64
21	Electrical properties of donor- and acceptor-doped BaBi4Ti4O15. Journal of the European Ceramic Society, 2001, 21, 1327-1331.	5.7	63
22	Effect of surface charge on the cellular uptake of fluorescent magnetic nanoparticles. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	59
23	The hydrothermal synthesis of super-paramagnetic barium hexaferrite particles. Materials Chemistry and Physics, 2011, 127, 415-419.	4.0	58
24	Oleic-acid-coated CoFe2O4 nanoparticles synthesized by co-precipitation and hydrothermal synthesis. Materials Chemistry and Physics, 2012, 133, 515-522.	4.0	57
25	Formation of Nanoneedles and Nanoplatelets of KNbO3Perovskite during Templated Crystallization of the Precursor Gel. Chemistry of Materials, 2005, 17, 2953-2958.	6.7	56
26	Colloidal stability of oleic- and ricinoleic-acid-coated magnetic nanoparticles in organic solvents. Journal of Colloid and Interface Science, 2011, 354, 498-505.	9.4	56
27	Comparative study of serum protein binding to three different carbon-based nanomaterials. Carbon, 2015, 95, 560-572.	10.3	55
28	Formation of U-type hexaferrites. Journal of Materials Research, 2004, 19, 2462-2470.	2.6	52
29	Cellular Internalization of Dissolved Cobalt Ions from Ingested CoFe₂O₄ Nanoparticles: In Vivo Experimental Evidence. Environmental Science & Technology, 2013, 47, 5400-5408.	10.0	51
30	Electrochemical activity of Li2FeTiO4 and Li2MnTiO4 as potential active materials for Li ion batteries: A comparison with Li2NiTiO4. Journal of Power Sources, 2009, 189, 81-88.	7.8	50
31	Hydrothermal growth of iron oxide NPs with a uniform size distribution for magnetically induced hyperthermia: Structural, colloidal and magnetic properties. Journal of Alloys and Compounds, 2017, 694, 261-271.	5.5	50
32	The synthesis of ironâ€“nickel alloy nanoparticles using a reverse micelle technique. Journal of Magnetism and Magnetic Materials, 2006, 307, 250-256.	2.3	48
33	The preparation of MnZn-ferrite nanoparticles in waterâ€“CTABâ€“hexanol microemulsions. Nanotechnology, 2004, 15, S160-S166.	2.6	46
34	Diffusion and reactivity of ZnOâ€“MnOx system. Journal of Solid State Chemistry, 2007, 180, 2459-2464.	2.9	45
35	Non-stoichiometric zinc-ferrite spinel nanoparticles. Journal of Nanoparticle Research, 2008, 10, 131-141.	1.9	45
36	Synthesis of metastable hard-magnetic Îµ-Fe₂O₃ nanoparticles from silica-coated akaganeite nanorods. Nanoscale, 2017, 9, 10579-10584.	5.6	45

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37	Subsolidus phase equilibria in the NiOâ€“CeO2 and La2O3â€“CeO2â€“Fe2O3 systems. Materials Research Bulletin, 1998, 33, 1175-1183.	5.2	44
38	Magnetically recoverable photocatalytic nanocomposite particles for water treatment. Materials Chemistry and Physics, 2011, 129, 83-89.	4.0	44
39	Superparamagnetic nanocomposites of iron oxide in a polymethyl methacrylate matrix synthesized by in situ polymerization. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 317, 49-55.	4.7	42
40	Effects of magnetic cobalt ferrite nanoparticles on biological and artificial lipid membranes. International Journal of Nanomedicine, 2014, 9, 1559.	6.7	41
41	A new method for the rapid separation of magnetized yeast in sparkling wine. Biochemical Engineering Journal, 2014, 88, 77-84.	3.6	41
42	Structural properties of ultrafine Ba-hexaferrite nanoparticles. Journal of Solid State Chemistry, 2012, 196, 63-71.	2.9	39
43	Effects of surface curvature and surface characteristics of carbon-based nanomaterials on the adsorption and activity of acetylcholinesterase. Carbon, 2013, 62, 222-232.	10.3	39
44	Internal Oxidation of Ce³⁺â€BaTiO₃ Solid Solutions. Journal of the American Ceramic Society, 1997, 80, 45-52.	3.8	37
45	Adsorption of Amino Acids, Aspartic Acid, and Lysine onto Iron-Oxide Nanoparticles. Journal of Physical Chemistry C, 2016, 120, 14372-14381.	3.1	37
46	Sonochemically-fabricated Ga@C-dots@Ga nanoparticle-aided neural growth. Journal of Materials Chemistry B, 2017, 5, 1371-1379.	5.8	37
47	Synthesis and characterization of Mg1+xFe2â^'2xTixO4 nanoparticles with an adjustable Curie point. Journal of Magnetism and Magnetic Materials, 2014, 350, 124-128.	2.3	36
48	Sintering and microstructural development of metal oxide varistor ceramics. Materials Research Bulletin, 1993, 28, 803-811.	5.2	35
49	The structure of compositionally constrained zinc-ferrite spinel nanoparticles. Journal of Nanoparticle Research, 2011, 13, 1781-1790.	1.9	35
50	Experimental evidence for the interaction of C-60 fullerene with lipid vesicle membranes. Carbon, 2012, 50, 1170-1178.	10.3	35
51	Sperm exposure to carbon-based nanomaterials causes abnormalities in early development of purple sea urchin (Paracentrotus lividus). Aquatic Toxicology, 2015, 163, 158-166.	4.0	35
52	Controlled heteroaggregation of two types of nanoparticles in an aqueous suspension. Journal of Colloid and Interface Science, 2015, 438, 235-243.	9.4	35
53	Amphiphilic coatings for the protection of upconverting nanoparticles against dissolution in aqueous media. Dalton Transactions, 2017, 46, 6975-6984.	3.3	35
54	Catalytic Hydrogenation, Hydrodeoxygenation, and Hydrocracking Processes of a Lignin Monomer Model Compound Eugenol over Magnetic Ru/Câ€Fe2O3 and Mechanistic Reaction Microkinetics. Catalysts, 2018, 8, 425.	3.5	34

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55	The synthesis and characterization of nickelâ€“copper alloy nanoparticles with a narrow size distribution using solâ€“gel synthesis. Materials Letters, 2014, 124, 39-42.	2.6	33
56	Surface-induced reversal of a phase transformation for the synthesis of Îµ-Fe2O3 nanoparticles with high coercivity. Acta Materialia, 2020, 188, 16-22.	7.9	33
57	Composite nanoplatelets combining soft-magnetic iron oxide with hard-magnetic barium hexaferrite. Nanoscale, 2015, 7, 2688-2697.	5.6	30
58	Ex-Solution Synthesis of Sub-5-nm FeO_x Nanoparticles on Mesoporous Hollow N,O-Doped Carbon Nanoshells for Electrocatalytic Oxygen Reduction. ACS Applied Nano Materials, 2019, 2, 6092-6097.	5.0	30
59	Zinc-decorated silica-coated magnetic nanoparticles for protein binding and controlled release. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 867, 160-164.	2.3	28
60	Incorporation and release of drug into/from superparamagnetic iron oxide nanoparticles. Journal of Magnetism and Magnetic Materials, 2009, 321, 3187-3192.	2.3	28
61	Effect of engineered TiO2and ZnO nanoparticles on erythrocytes, platelet-rich plasma and giant unilamelar phospholipid vesicles. BMC Veterinary Research, 2013, 9, 7.	1.9	28
62	The chemically directed assembly of nanoparticle clusters from superparamagnetic iron-oxide nanoparticles. RSC Advances, 2014, 4, 13167.	3.6	28
63	Discrete evolution of the crystal structure during the growth of Ba-hexaferrite nanoplatelets. Nanoscale, 2018, 10, 14480-14491.	5.6	27
64	Incorporation of Aliovalent Dopants into the Bismuthâ€Layered Perovskiteâ€Like Structure of BaBi₄Ti₄O₁₅. Journal of the American Ceramic Society, 2001, 84, 2702-2704.	3.8	26
65	Phase evolution of Zn1â^'xMnxO system synthesized via oxalate precursors. Journal of the European Ceramic Society, 2007, 27, 3915-3918.	5.7	26
66	The Concept of a Lowâ€Temperature Synthesis for Superparamagnetic BaFe₁₂O₁₉ Particles. Journal of the American Ceramic Society, 2010, 93, 1602-1607.	3.8	26
67	Harmful at non-cytotoxic concentrations: SiO₂-SPIONs affect surfactant metabolism and lamellar body biogenesis in A549 human alveolar epithelial cells. Nanotoxicology, 2017, 11, 419-429.	3.0	26
68	Magnetically separable Ru-based nano-catalyst for the hydrogenation/hydro-deoxygenation of lignin-derived platform chemicals. Materials Research Letters, 2018, 6, 426-431.	8.7	26
69	Mn3â^'Zn O4 spinel phases in the Znâ€“Mnâ€“O system. Acta Materialia, 2008, 56, 4028-4035.	7.9	25
70	The synthesis and characterization of copperâ€“nickel alloy nanoparticles with a therapeutic Curie point using the microemulsion method. Journal of Alloys and Compounds, 2013, 576, 220-226.	5.5	25
71	Incorporation of Sc into the structure of barium-hexaferrite nanoplatelets and its extraordinary finite-size effect on the magnetic properties. Acta Materialia, 2019, 172, 84-91.	7.9	24
72	Oxidative potential of ultravioletâ€A irradiated or nonirradiated suspensions of titanium dioxide or silicon dioxide nanoparticles on Allium cepa roots. Environmental Toxicology and Chemistry, 2014, 33, 858-867.	4.3	22

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73	Synthesis and characterization of Niâ€“Cu alloy nanoparticles with a tunable Curie temperature. Journal of Alloys and Compounds, 2015, 648, 53-58.	5.5	22
74	A hierarchical Ru-bearing alumina/magnetic iron-oxide composite for the magnetically heated hydrogenation of furfural. Green Chemistry, 2020, 22, 5978-5983.	9.0	22
75	A high-temperature structure for Ta2O5 with modulations by TiO2 substitution. Journal of Solid State Chemistry, 2006, 179, 1782-1791.	2.9	21
76	Targeting EGFR-overexpressed A431 cells with EGF-labeled silica-coated magnetic nanoparticles. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	21
77	Gd2O3 nanoparticles stabilized by hydrothermally modified dextrose for positive contrast magnetic resonance imaging. Journal of Magnetism and Magnetic Materials, 2016, 403, 118-126.	2.3	21
78	Chemical synthesis of KNbO3 and KNbO3â€“BaTiO3 ceramics. Journal of the European Ceramic Society, 2005, 25, 2713-2717.	5.7	20
79	Preparation and Study of Zinc Ferrite Nanoparticles with a High Magnetization. Materials and Manufacturing Processes, 2008, 23, 603-606.	4.7	20
80	Superparamagnetic nanocomposite particles synthesized using the mini-emulsion technique. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 366, 113-119.	4.7	20
81	Bioavailability of cobalt and iron from citric-acid-adsorbed CoFe2O4 nanoparticles in the terrestrial isopod Porcellio scaber. Science of the Total Environment, 2015, 508, 76-84.	8.0	20
82	Ultrasmall iron oxide nanoparticles: Magnetic and NMR relaxometric properties. Current Applied Physics, 2018, 18, 141-149.	2.4	20
83	Anisotropic microrheological properties of chain-forming magnetic fluids. Soft Matter, 2011, 7, 125-131.	2.7	19
84	Extended Defects in ZnO Ceramics Containing Bi4Ti3O12 Additive. Journal of the American Ceramic Society, 1994, 77, 1202-1208.	3.8	18
85	The preparation of MnZn-ferrite nanoparticles in a water/CTAB, 1-butanol/1-hexanol reverse microemulsion. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3521-3524.	0.8	18
86	The Solid Solubility of Holmium in BaTiO3Under Reducing Conditions. Journal of the American Ceramic Society, 2006, 89, 3281-3284.	3.8	17
87	Sintering of MnZn-ferrite powders prepared by hydrothermal reactions between oxides. Journal of the European Ceramic Society, 2001, 21, 1945-1949.	5.7	16
88	Fluorine as a Donor Dopant in Barium Titanate Ceramics. Journal of the American Ceramic Society, 2003, 86, 495-500.	3.8	16
89	Synthesis of Lanthanum-Strontium Manganites by a Hydroxide-Precursor Co-Precipitation Method in Solution and in Reverse Micellar Microemulsion. Materials Science Forum, 2005, 494, 155-160.	0.3	16
90	Magnetic properties of ultrasmall iron-oxide nanoparticles. Journal of Alloys and Compounds, 2014, 595, 153-157.	5.5	16

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91	Synthesis of aqueous suspensions of magnetic nanoparticles with the co-precipitation of iron ions in the presence of aspartic acid. Journal of Magnetism and Magnetic Materials, 2016, 413, 65-75.	2.3	16
92	Novel Ba-hexaferrite structural variations stabilized on the nanoscale as building blocks for epitaxial bi-magnetic hard/soft sandwiched maghemite/hexaferrite/maghemite nanoplatelets with out-of-plane easy axis and enhanced magnetization. Nanoscale, 2017, 9, 17551-17560.	5.6	16
93	Magnetic Nanoplatelets for High Contrast Cardiovascular Imaging by Magnetically Modulated Optical Coherence Tomography. ChemPhotoChem, 2019, 3, 529-539.	3.0	16
94	Proteomic analyses of early response of unicellular eukaryotic microorganismTetrahymena thermophilaexposed to TiO₂particles. Nanotoxicology, 2016, 10, 542-556.	3.0	15
95	A functionalization strategy for the dispersion of permanently magnetic barium-hexaferrite nanoplatelets in complex biological media. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 573, 119-127.	4.7	15
96	Magneto-mechanical actuation of barium-hexaferrite nanoplatelets for the disruption of phospholipid membranes. Journal of Colloid and Interface Science, 2020, 579, 508-519.	9.4	15
97	Magnetic properties of Mn-oxide nanoparticles dispersed in an amorphous SiO2 matrix. Journal of Magnetism and Magnetic Materials, 2011, 323, 805-812.	2.3	14
98	Influence of crystal structure on the CoII diffusion behavior in the Zn1â^'xCoxO system. Journal of Solid State Chemistry, 2008, 181, 2456-2461.	2.9	13
99	Synthesis and Characterization of Silica-Coated Cu$_{1-{m x}}$Ni$_{m x}$ Nanoparticles. IEEE Transactions on Magnetics, 2012, 48, 1344-1347.	2.1	13
100	TiO2 as a sintering additive for KNbO3 ceramics. Ceramics International, 2008, 34, 89-94.	4.8	12
101	Synthesis of composite nanoparticles using co-precipitation of a magnetic iron-oxide shell onto core nanoparticles. Journal of Nanoparticle Research, 2016, 18, 1.	1.9	12
102	Hybrid chloroperoxidaseâ€•magnetic nanoparticle clusters: effect of functionalization on biocatalyst performance. Journal of Chemical Technology and Biotechnology, 2018, 93, 233-245.	3.2	12
103	The Synthesis and Properties of Magnetic Nanoparticles. Materials Science Forum, 2005, 494, 129-136.	0.3	11
104	Sonochemically assisted synthesis of zinc-doped maghemite. Ultrasonics Sonochemistry, 2008, 15, 791-798.	8.2	11
105	Synthesis of Plate-like Spinel Particles and Spinel-Hexaferrite Intergrowth Nanocomposite Particles Using the Hydrothermal Decomposition of Ba-Hexaferrite. Crystal Growth and Design, 2008, 8, 2182-2186.	3.0	11
106	Gold nanoparticles as physiological markers of urine internalization into urothelial cells in vivo. International Journal of Nanomedicine, 2013, 8, 3945.	6.7	11
107	Nanocomposites comprised of homogeneously dispersed magnetic iron-oxide nanoparticles and poly(methyl methacrylate). Beilstein Journal of Nanotechnology, 2018, 9, 1613-1622.	2.8	11
108	Magnetic Heating of Nanoparticles Applied in the Synthesis of a Magnetically Recyclable Hydrogenation Nanocatalyst. Nanomaterials, 2020, 10, 1142.	4.1	11

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109	Structure of Spinelâ€Type Phases in the ZnOâ€“Mn_xO_y System. Journal of the American Ceramic Society, 2010, 93, 590-595.	3.8	10
110	Synthesis and characterization of maghemite nanosheets. Materials Letters, 2011, 65, 439-441.	2.6	10
111	Hydrothermal synthesis of La1â^'XSrXMnO3 dendrites. Journal of Crystal Growth, 2013, 375, 78-83.	1.5	10
112	Evolution of the microstructure during the early stages of sintering barium hexaferrite nanoplatelets. Journal of the European Ceramic Society, 2019, 39, 4831-4841.	5.7	10
113	Electrical properties of undoped BaTiO3 ceramics annealed in a fluorine containing atmosphere. Journal of the European Ceramic Society, 2001, 21, 1899-1903.	5.7	9
114	Redox processes in highly yttrium-doped barium titanate. Journal of Solid State Chemistry, 2005, 178, 1367-1375.	2.9	9
115	Synthesis of hematite and iron oxyhydroxide nanocrystals by precipitation of Fe3+ ions inside oleic acid micelles. Ceramics International, 2013, 39, 5659-5665.	4.8	9
116	A surface-chemistry study of barium ferrite nanoplates with DBSa-modified surfaces. Applied Surface Science, 2014, 305, 366-374.	6.1	9
117	Formation of Fe(III)-phosphonate Coatings on Barium Hexaferrite Nanoplatelets for Porous Nanomagnets. ACS Omega, 2020, 5, 14086-14095.	3.5	9
118	Structural and magnetic characterization of LiMn1.825Cr0.175O4 spinel obtained by ultrasonic spray pyrolysis. Materials Research Bulletin, 2007, 42, 515-522.	5.2	8
119	Effect of carbon black nanomaterial on biological membranes revealed by shape of human erythrocytes, platelets and phospholipid vesicles. Journal of Nanobiotechnology, 2015, 13, 28.	9.1	8
120	Titanium doping of BiFeO₃ ceramics and identification of minor phases by Raman spectroscopy. Journal of Raman Spectroscopy, 2017, 48, 884-890.	2.5	8
121	Electro-hydrogenation of biomass-derived levulinic acid to Î³-valerolactone via the magnetic heating of a Ru nanocatalyst. Green Chemistry, 2022, 24, 2788-2794.	9.0	8
122	Effect of superparamagnetic iron oxide nanoparticles on fluidity and phase transition of phosphatidylcholine liposomal membranes. International Journal of Nanomedicine, 2015, 10, 6089.	6.7	7
123	Application of magnetoâ€responsive Oenococcus oeni for the malolactic fermentation in wine. Biochemical Engineering Journal, 2016, 110, 134-142.	3.6	7
124	The Preparation of Spinel Ferrite Nanoparticles Using Precipitation in Water-in-Oil Microemulsions. Journal of Metastable and Nanocrystalline Materials, 2005, 23, 251-254.	0.1	6
125	The first comprehensive safety study of MagnÃ©li phase titanium suboxides reveals no acute environmental hazard. Environmental Science: Nano, 2019, 6, 1131-1139.	4.3	6
126	A new polymorph of strontium hexaferrite stabilized at the nanoscale. CrystEngComm, 2020, 22, 7113-7122.	2.6	6

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127	Crystal-structure and MÃ¶ssbauer studies of Li1.746Nd4.494FeO9.493. Journal of Solid State Chemistry, 2007, 180, 2-7.	2.9	5
128	The Preparation of Barium Hexaferrite Coatings Using HVOF. Journal of the American Ceramic Society, 2009, 92, 818-824.	3.8	5
129	Low-temperature synthesis of magnetically recoverable, superparamagnetic, photocatalytic, nanocomposite particles. Materials Chemistry and Physics, 2012, 136, 230-240.	4.0	5
130	Magnetic properties and magnetic relaxation in a suspension of CoFe2O4 nanoparticles. Journal of Applied Physics, 2013, 113, 234311.	2.5	5
131	The formation of magnetic carboxymethyl-dextrane-coated iron-oxide nanoparticles using precipitation from an aqueous solution. Materials Chemistry and Physics, 2015, 153, 376-383.	4.0	5
132	Ferroelectric bismuth-titanate nanoplatelets and nanowires with a new crystal structure. Nanoscale, 2022, 14, 3537-3544.	5.6	5
133	EPMA and Microstructural Characterization of Yttrium Doped BaTiO 3 Ceramics. Mikrochimica Acta, 2000, 132, 383-386.	5.0	4
134	Positive temperature coefficient of resistivity effect in Pb-doped KnbO₃. Journal of Materials Research, 2002, 17, 2989-2992.	2.6	4
135	Quantitative WDXS Microanalysis of Bismuth-Based BaBi 4 Ti 4 O 15 Perovskites Doped with Nb and Fe. Mikrochimica Acta, 2002, 139, 159-163.	5.0	4
136	Use of the Retarded Solutionâ€Reprecipitation Process to Attain a Higher Initial Permeability in MnZn Ferrites. Journal of the American Ceramic Society, 2003, 86, 1601-1604.	3.8	4
137	Influence of microstructure and preparation methods on the magneto-crystalline structure and magnetic properties of submicron barium hexaferrite powders. Journal of Materials Research, 2006, 21, 2606-2610.	2.6	4
138	Preparation of a Superparamagnetic Nanocomposite with a High Content of Magnetic Iron Oxide in a PMMA Matrix by Precipitation Polymerization. Composite Interfaces, 2010, 17, 137-141.	2.3	4
139	The Lowâ€Temperature Cosintering of Cobalt Ferrite and Lead Zirconate Titanate Ceramic Composites. Journal of the American Ceramic Society, 2014, 97, 74-80.	3.8	4
140	Influence of the Synthesis Parameters on the Properties of NaYF4:Yb3+,Tm3+ Nanoparticles. Acta Chimica Slovenica, 2015, 62, 789-795.	0.6	4
141	New crystal structure in the BaO-Ce2O3-TiO2 system. Materials Research Bulletin, 1997, 32, 1657-1672.	5.2	3
142	Subsolidus phase equilibria and the Li5Nd4FeO10 phase in the Li2Oâ€“Nd2O3â€“Fe2O3 system. Materials Research Bulletin, 2005, 40, 1856-1863.	5.2	3
143	NANOSTRUCTURED ZrO2 POWDER SYNTHESIZED BY ULTRASONIC SPRAY PYROLYSIS. Surface Review and Letters, 2007, 14, 915-919.	1.1	3
144	Atomic absorption background of Ba in EXAFS analysis of BaFe12O19nanoparticles. Journal of Synchrotron Radiation, 2011, 18, 557-563.	2.4	3

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145	Monodispersed water-soluble maghemite nanoparticles stabilized by a polymerized bilayer of 10-undecenoic acid. Materials Letters, 2015, 157, 239-242.	2.6	3
146	Synthesis of a precursor of D-fagomine by immobilized fructose-6-phosphate aldolase. PLoS ONE, 2021, 16, e0250513.	2.5	3
147	Multi-reaction kinetic modeling for the peroxidaseâ€“aldolase cascade synthesis of a D-fagomine precursor. Chemical Engineering Science, 2021, 239, 116602.	3.8	3
148	Hydrothermal formation of bismuth-titanate nanoplatelets and nanowires: the role of metastable polymorphs. CrystEngComm, 2022, 24, 3972-3981.	2.6	3
149	Syntheses of Ferrite Nanoparticles Using Ultrasound Irradiation. Materials Science Forum, 2006, 518, 73-78.	0.3	2
150	Complex Impedance Analyses of Ba₁₋_xLi_{0.5}_xBi_{0.5}_xTiO₃ Solid Solution PTCR Ceramics. Solid State Phenomena, 2015, 230, 211-216.	0.3	2
151	The magnetic and colloidal properties of CoFe2O4 nanoparticles synthesized by co-precipitation. Acta Chimica Slovenica, 2014, 61, 488-96.	0.6	2
152	The Synthesis of Silica-Coated Permalloy Nanoparticles Using a Water-in-Oil Microemulsion. Materials Science Forum, 2005, 494, 161-166.	0.3	1
153	Magnetic properties of Co2.4Al0.6O4/SiO2 nanocomposite obtained via solâ€“gel method. Journal of Magnetism and Magnetic Materials, 2010, 322, 3271-3277.	2.3	1
154	Magnetic Nanoplatelets for High Contrast Cardiovascular Imaging by Magnetically Modulated Optical Coherence Tomography. ChemPhotoChem, 2019, 3, 503-503.	3.0	0