

# Darko Makovec

## List of Publications by Year in descending order

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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	Ferroelectric bismuth-titanate nanoplatelets and nanowires with a new crystal structure. <i>Nanoscale</i> , 2022, 14, 3537-3544.	5.6	5
2	Electro-hydrogenation of biomass-derived levulinic acid to $\hat{\text{I}}^{\beta}$ -valerolactone <i>via</i> the magnetic heating of a Ru nanocatalyst. <i>Green Chemistry</i> , 2022, 24, 2788-2794.	9.0	8
3	Hydrothermal formation of bismuth-titanate nanoplatelets and nanowires: the role of metastable polymorphs. <i>CrystEngComm</i> , 2022, 24, 3972-3981.	2.6	3
4	Synthesis of a precursor of D-fagomine by immobilized fructose-6-phosphate aldolase. <i>PLoS ONE</i> , 2021, 16, e0250513.	2.5	3
5	Multi-reaction kinetic modeling for the peroxidase-aldolase cascade synthesis of a D-fagomine precursor. <i>Chemical Engineering Science</i> , 2021, 239, 116602.	3.8	3
6	A new polymorph of strontium hexaferrite stabilized at the nanoscale. <i>CrystEngComm</i> , 2020, 22, 7113-7122.	2.6	6
7	A hierarchical Ru-bearing alumina/magnetic iron-oxide composite for the magnetically heated hydrogenation of furfural. <i>Green Chemistry</i> , 2020, 22, 5978-5983.	9.0	22
8	Magnetic Heating of Nanoparticles Applied in the Synthesis of a Magnetically Recyclable Hydrogenation Nanocatalyst. <i>Nanomaterials</i> , 2020, 10, 1142.	4.1	11
9	Magneto-mechanical actuation of barium-hexaferrite nanoplatelets for the disruption of phospholipid membranes. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 508-519.	9.4	15
10	Formation of Fe(III)-phosphonate Coatings on Barium Hexaferrite Nanoplatelets for Porous Nanomagnets. <i>ACS Omega</i> , 2020, 5, 14086-14095.	3.5	9
11	Surface-induced reversal of a phase transformation for the synthesis of $\hat{\mu}$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles with high coercivity. <i>Acta Materialia</i> , 2020, 188, 16-22.	7.9	33
12	Evolution of the microstructure during the early stages of sintering barium hexaferrite nanoplatelets. <i>Journal of the European Ceramic Society</i> , 2019, 39, 4831-4841.	5.7	10
13	Magnetic Nanoplatelets for High Contrast Cardiovascular Imaging by Magnetically Modulated Optical Coherence Tomography. <i>ChemPhotoChem</i> , 2019, 3, 503-503.	3.0	0
14	Ex-Solution Synthesis of Sub-5-nm Fe <sub>3</sub> O <sub>4</sub> Nanoparticles on Mesoporous Hollow N,O-Doped Carbon Nanoshells for Electrocatalytic Oxygen Reduction. <i>ACS Applied Nano Materials</i> , 2019, 2, 6092-6097.	5.0	30
15	Magnetic Nanoplatelets for High Contrast Cardiovascular Imaging by Magnetically Modulated Optical Coherence Tomography. <i>ChemPhotoChem</i> , 2019, 3, 529-539.	3.0	16
16	A functionalization strategy for the dispersion of permanently magnetic barium-hexaferrite nanoplatelets in complex biological media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 573, 119-127.	4.7	15
17	Incorporation of Sc into the structure of barium-hexaferrite nanoplatelets and its extraordinary finite-size effect on the magnetic properties. <i>Acta Materialia</i> , 2019, 172, 84-91.	7.9	24
18	The first comprehensive safety study of Magnéli phase titanium suboxides reveals no acute environmental hazard. <i>Environmental Science: Nano</i> , 2019, 6, 1131-1139.	4.3	6

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19	Ultrasmall iron oxide nanoparticles: Magnetic and NMR relaxometric properties. <i>Current Applied Physics</i> , 2018, 18, 141-149.	2.4	20
20	Catalytic Hydrogenation, Hydrodeoxygenation, and Hydrocracking Processes of a Lignin Monomer Model Compound Eugenol over Magnetic Ru/Câ€“Fe <sub>2</sub> O <sub>3</sub> and Mechanistic Reaction Microkinetics. <i>Catalysts</i> , 2018, 8, 425.	3.5	34
21	Magnetically separable Ru-based nano-catalyst for the hydrogenation/hydro-deoxygenation of lignin-derived platform chemicals. <i>Materials Research Letters</i> , 2018, 6, 426-431.	8.7	26
22	Nanocomposites comprised of homogeneously dispersed magnetic iron-oxide nanoparticles and poly(methyl methacrylate). <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 1613-1622.	2.8	11
23	Discrete evolution of the crystal structure during the growth of Ba-hexaferrite nanoplatelets. <i>Nanoscale</i> , 2018, 10, 14480-14491.	5.6	27
24	Hybrid chloroperoxidaseâ€“magnetic nanoparticle clusters: effect of functionalization on biocatalyst performance. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 233-245.	3.2	12
25	Sonochemically-fabricated Ga@C-dots@Ga nanoparticle-aided neural growth. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1371-1379.	5.8	37
26	Titanium doping of BiFeO <sub>3</sub> ceramics and identification of minor phases by Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 884-890.	2.5	8
27	Harmful at non-cytotoxic concentrations: SiO <sub>2</sub> -SPIONs affect surfactant metabolism and lamellar body biogenesis in A549 human alveolar epithelial cells. <i>Nanotoxicology</i> , 2017, 11, 419-429.	3.0	26
28	Amphiphilic coatings for the protection of upconverting nanoparticles against dissolution in aqueous media. <i>Dalton Transactions</i> , 2017, 46, 6975-6984.	3.3	35
29	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. <i>Nanoscale</i> , 2017, 9, 17551-17560.	5.6	16
30	Synthesis of metastable hard-magnetic $\hat{\mu}$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles from silica-coated akaganeite nanorods. <i>Nanoscale</i> , 2017, 9, 10579-10584.	5.6	45
31	Hydrothermal growth of iron oxide NPs with a uniform size distribution for magnetically induced hyperthermia: Structural, colloidal and magnetic properties. <i>Journal of Alloys and Compounds</i> , 2017, 694, 261-271.	5.5	50
32	Design and Fabrication of Magnetically Responsive Nanocarriers for Drug Delivery. <i>Current Medicinal Chemistry</i> , 2017, 24, 454-469.	2.4	64
33	Synthesis of aqueous suspensions of magnetic nanoparticles with the co-precipitation of iron ions in the presence of aspartic acid. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 413, 65-75.	2.3	16
34	Adsorption of Amino Acids, Aspartic Acid, and Lysine onto Iron-Oxide Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2016, 120, 14372-14381.	3.1	37
35	Synthesis of composite nanoparticles using co-precipitation of a magnetic iron-oxide shell onto core nanoparticles. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	12
36	Application of magnetoâ€“responsive <i>Oenococcus oeni</i> for the malolactic fermentation in wine. <i>Biochemical Engineering Journal</i> , 2016, 110, 134-142.	3.6	7

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37	Proteomic analyses of early response of unicellular eukaryotic microorganism <i>Tetrahymena thermophila</i> exposed to TiO <sub>2</sub> particles. <i>Nanotoxicology</i> , 2016, 10, 542-556.	3.0	15
38	Gd <sub>2</sub> O <sub>3</sub> nanoparticles stabilized by hydrothermally modified dextrose for positive contrast magnetic resonance imaging. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 403, 118-126.	2.3	21
39	Effect of superparamagnetic iron oxide nanoparticles on fluidity and phase transition of phosphatidylcholine liposomal membranes. <i>International Journal of Nanomedicine</i> , 2015, 10, 6089.	6.7	7
40	Composite nanoplatelets combining soft-magnetic iron oxide with hard-magnetic barium hexaferrite. <i>Nanoscale</i> , 2015, 7, 2688-2697.	5.6	30
41	The formation of magnetic carboxymethyl-dextrane-coated iron-oxide nanoparticles using precipitation from an aqueous solution. <i>Materials Chemistry and Physics</i> , 2015, 153, 376-383.	4.0	5
42	Synthesis and characterization of Ni-Cu alloy nanoparticles with a tunable Curie temperature. <i>Journal of Alloys and Compounds</i> , 2015, 648, 53-58.	5.5	22
43	Monodispersed water-soluble maghemite nanoparticles stabilized by a polymerized bilayer of 10-undecenoic acid. <i>Materials Letters</i> , 2015, 157, 239-242.	2.6	3
44	Complex Impedance Analyses of Ba <sub>1-x</sub> Li <sub>0.5x</sub> Bi <sub>0.5x</sub> Bi <sub>0.5x</sub> Ti <sub>3</sub> Solid Solution PTCR Ceramics. <i>Solid State Phenomena</i> , 2015, 230, 211-216.	0.3	1
45	Effect of carbon black nanomaterial on biological membranes revealed by shape of human erythrocytes, platelets and phospholipid vesicles. <i>Journal of Nanobiotechnology</i> , 2015, 13, 28.	9.1	8
46	Sperm exposure to carbon-based nanomaterials causes abnormalities in early development of purple sea urchin ( <i>Paracentrotus lividus</i> ). <i>Aquatic Toxicology</i> , 2015, 163, 158-166.	4.0	35
47	High surface adsorption properties of carbon-based nanomaterials are responsible for mortality, swimming inhibition, and biochemical responses in <i>Artemia salina</i> larvae. <i>Aquatic Toxicology</i> , 2015, 163, 121-129.	4.0	83
48	Magnetic Assembly of Superparamagnetic Iron Oxide Nanoparticle Clusters into Nanochains and Nanobundles. <i>ACS Nano</i> , 2015, 9, 9700-9707.	14.6	154
49	Comparative study of serum protein binding to three different carbon-based nanomaterials. <i>Carbon</i> , 2015, 95, 560-572.	10.3	55
50	Bioavailability of cobalt and iron from citric-acid-adsorbed CoFe <sub>2</sub> O <sub>4</sub> nanoparticles in the terrestrial isopod <i>Porcellio scaber</i> . <i>Science of the Total Environment</i> , 2015, 508, 76-84.	8.0	20
51	Controlled heteroaggregation of two types of nanoparticles in an aqueous suspension. <i>Journal of Colloid and Interface Science</i> , 2015, 438, 235-243.	9.4	35
52	Influence of the Synthesis Parameters on the Properties of NaYF <sub>4</sub> :Yb <sup>3+</sup> , Tm <sup>3+</sup> Nanoparticles. <i>Acta Chimica Slovenica</i> , 2015, 62, 789-795.	0.6	4
53	The Low-Temperature Cosintering of Cobalt Ferrite and Lead Zirconate Titanate Ceramic Composites. <i>Journal of the American Ceramic Society</i> , 2014, 97, 74-80.	3.8	4
54	Effects of magnetic cobalt ferrite nanoparticles on biological and artificial lipid membranes. <i>International Journal of Nanomedicine</i> , 2014, 9, 1559.	6.7	41

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55	A surface-chemistry study of barium ferrite nanoplates with DBSa-modified surfaces. <i>Applied Surface Science</i> , 2014, 305, 366-374.	6.1	9
56	A new method for the rapid separation of magnetized yeast in sparkling wine. <i>Biochemical Engineering Journal</i> , 2014, 88, 77-84.	3.6	41
57	Magnetic properties of ultrasmall iron-oxide nanoparticles. <i>Journal of Alloys and Compounds</i> , 2014, 595, 153-157.	5.5	16
58	The synthesis and characterization of nickel-copper alloy nanoparticles with a narrow size distribution using sol-gel synthesis. <i>Materials Letters</i> , 2014, 124, 39-42.	2.6	33
59	Oxidative potential of ultraviolet-A irradiated or nonirradiated suspensions of titanium dioxide or silicon dioxide nanoparticles on <i>Allium cepa</i> roots. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 858-867.	4.3	22
60	The chemically directed assembly of nanoparticle clusters from superparamagnetic iron-oxide nanoparticles. <i>RSC Advances</i> , 2014, 4, 13167.	3.6	28
61	Magnetic properties of novel superparamagnetic iron oxide nanoclusters and their peculiarity under annealing treatment. <i>Applied Surface Science</i> , 2014, 322, 255-264.	6.1	149
62	Synthesis and characterization of $Mg_{1+x}Fe_2 \sim 2xTi_xO_4$ nanoparticles with an adjustable Curie point. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 350, 124-128.	2.3	36
63	The magnetic and colloidal properties of $CoFe_2O_4$ nanoparticles synthesized by co-precipitation. <i>Acta Chimica Slovenica</i> , 2014, 61, 488-96.	0.6	2
64	Targeting EGFR-overexpressed A431 cells with EGF-labeled silica-coated magnetic nanoparticles. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	21
65	The synthesis and characterization of copper-nickel alloy nanoparticles with a therapeutic Curie point using the microemulsion method. <i>Journal of Alloys and Compounds</i> , 2013, 576, 220-226.	5.5	25
66	Synthesis of hematite and iron oxyhydroxide nanocrystals by precipitation of $Fe^{3+}$ ions inside oleic acid micelles. <i>Ceramics International</i> , 2013, 39, 5659-5665.	4.8	9
67	Magnetic properties and magnetic relaxation in a suspension of $CoFe_2O_4$ nanoparticles. <i>Journal of Applied Physics</i> , 2013, 113, 234311.	2.5	5
68	Effects of surface curvature and surface characteristics of carbon-based nanomaterials on the adsorption and activity of acetylcholinesterase. <i>Carbon</i> , 2013, 62, 222-232.	10.3	39
69	Effect of engineered $TiO_2$ and $ZnO$ nanoparticles on erythrocytes, platelet-rich plasma and giant unilamellar phospholipid vesicles. <i>BMC Veterinary Research</i> , 2013, 9, 7.	1.9	28
70	Cellular Internalization of Dissolved Cobalt Ions from Ingested $CoFe_2O_4$ Nanoparticles: In Vivo Experimental Evidence. <i>Environmental Science &amp; Technology</i> , 2013, 47, 5400-5408.	10.0	51
71	Hydrothermal synthesis of $La^{1-x}Sr_xMnO_3$ dendrites. <i>Journal of Crystal Growth</i> , 2013, 375, 78-83.	1.5	10
72	Gold nanoparticles as physiological markers of urine internalization into urothelial cells in vivo. <i>International Journal of Nanomedicine</i> , 2013, 8, 3945.	6.7	11

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73	Structural properties of ultrafine Ba-hexaferrite nanoparticles. Journal of Solid State Chemistry, 2012, 196, 63-71.	2.9	39
74	Effect of surface charge on the cellular uptake of fluorescent magnetic nanoparticles. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	59
75	Low-temperature synthesis of magnetically recoverable, superparamagnetic, photocatalytic, nanocomposite particles. Materials Chemistry and Physics, 2012, 136, 230-240.	4.0	5
76	Experimental evidence for the interaction of C-60 fullerene with lipid vesicle membranes. Carbon, 2012, 50, 1170-1178.	10.3	35
77	Oleic-acid-coated CoFe <sub>2</sub> O <sub>4</sub> nanoparticles synthesized by co-precipitation and hydrothermal synthesis. Materials Chemistry and Physics, 2012, 133, 515-522.	4.0	57
78	Synthesis and Characterization of Silica-Coated Cu <sub>1-x</sub> Ni <sub>x</sub> Nanoparticles. IEEE Transactions on Magnetics, 2012, 48, 1344-1347.	2.1	13
79	Anisotropic microrheological properties of chain-forming magnetic fluids. Soft Matter, 2011, 7, 125-131.	2.7	19
80	The hydrothermal synthesis of super-paramagnetic barium hexaferrite particles. Materials Chemistry and Physics, 2011, 127, 415-419.	4.0	58
81	Magnetically recoverable photocatalytic nanocomposite particles for water treatment. Materials Chemistry and Physics, 2011, 129, 83-89.	4.0	44
82	Synthesis and characterization of maghemite nanosheets. Materials Letters, 2011, 65, 439-441.	2.6	10
83	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
84	The structure of compositionally constrained zinc-ferrite spinel nanoparticles. Journal of Nanoparticle Research, 2011, 13, 1781-1790.	1.9	35
85	Atomic absorption background of Ba in EXAFS analysis of BaFe <sub>12</sub> O <sub>19</sub> nanoparticles. Journal of Synchrotron Radiation, 2011, 18, 557-563.	2.4	3
86	Magnetic properties of Mn-oxide nanoparticles dispersed in an amorphous SiO <sub>2</sub> matrix. Journal of Magnetism and Magnetic Materials, 2011, 323, 805-812.	2.3	14
87	Synthesis of copper-nickel nanoparticles prepared by mechanical milling for use in magnetic hyperthermia. Journal of Magnetism and Magnetic Materials, 2011, 323, 2254-2258.	2.3	85
88	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
89	Influence of synthesis method on structural and magnetic properties of cobalt ferrite nanoparticles. Journal of Nanoparticle Research, 2010, 12, 1263-1273.	1.9	113
90	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

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91	Magnetic properties of Co <sub>2.4</sub> Al <sub>0.6</sub> O <sub>4</sub> /SiO <sub>2</sub> nanocomposite obtained via sol-gel method. Journal of Magnetism and Magnetic Materials, 2010, 322, 3271-3277.	2.3	1
92	Superparamagnetic nanocomposite particles synthesized using the mini-emulsion technique. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 366, 113-119.	4.7	20
93	Structure of Spinel-Type Phases in the ZnO-MnO System. Journal of the American Ceramic Society, 2010, 93, 590-595.	3.8	10
94	The Concept of a Low-Temperature Synthesis for Superparamagnetic BaFe <sub>12</sub> O <sub>19</sub> Particles. Journal of the American Ceramic Society, 2010, 93, 1602-1607.	3.8	26
95	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
96	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
97	The Preparation of Barium Hexaferrite Coatings Using HVOF. Journal of the American Ceramic Society, 2009, 92, 818-824.	3.8	5
98	Functionalization of magnetic nanoparticles with 3-aminopropyl silane. Journal of Magnetism and Magnetic Materials, 2009, 321, 1346-1350.	2.3	112
99	Incorporation and release of drug into/from superparamagnetic iron oxide nanoparticles. Journal of Magnetism and Magnetic Materials, 2009, 321, 3187-3192.	2.3	28
100	Electrochemical activity of Li <sub>2</sub> FeTiO <sub>4</sub> and Li <sub>2</sub> MnTiO <sub>4</sub> as potential active materials for Li ion batteries: A comparison with Li <sub>2</sub> NiTiO <sub>4</sub> . Journal of Power Sources, 2009, 189, 81-88.	7.8	50
101	Hydrothermal synthesis of ultrafine barium hexaferrite nanoparticles and the preparation of their stable suspensions. Nanotechnology, 2009, 20, 315605.	2.6	87
102	Influence of crystal structure on the Co <sup>2+</sup> diffusion behavior in the Zn <sub>1-x</sub> CoxO system. Journal of Solid State Chemistry, 2008, 181, 2456-2461.	2.9	13
103	Non-stoichiometric zinc-ferrite spinel nanoparticles. Journal of Nanoparticle Research, 2008, 10, 131-141.	1.9	45
104	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
105	Mn <sub>3</sub> ZnO <sub>4</sub> spinel phases in the Zn-Mn-O system. Acta Materialia, 2008, 56, 4028-4035.	7.9	25
106	TiO <sub>2</sub> as a sintering additive for KNbO <sub>3</sub> ceramics. Ceramics International, 2008, 34, 89-94.	4.8	12
107	Sonochemically assisted synthesis of zinc-doped maghemite. Ultrasonics Sonochemistry, 2008, 15, 791-798.	8.2	11
108	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



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109	Preparation and properties of water-based magnetic fluids. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 204101.	1.8	74
110	Synthesis of Plate-like Spinel Particles and Spinel-Hexaferrite Intergrowth Nanocomposite Particles Using the Hydrothermal Decomposition of Ba-Hexaferrite. <i>Crystal Growth and Design</i> , 2008, 8, 2182-2186.	3.0	11
111	Preparation and Study of Zinc Ferrite Nanoparticles with a High Magnetization. <i>Materials and Manufacturing Processes</i> , 2008, 23, 603-606.	4.7	20
112	NANOSTRUCTURED ZrO <sub>2</sub> POWDER SYNTHESIZED BY ULTRASONIC SPRAY PYROLYSIS. <i>Surface Review and Letters</i> , 2007, 14, 915-919.	1.1	3
113	Diffusion and reactivity of ZnO-MnOx system. <i>Journal of Solid State Chemistry</i> , 2007, 180, 2459-2464.	2.9	45
114	Phase evolution of Zn <sub>1-x</sub> Mn <sub>x</sub> O system synthesized via oxalate precursors. <i>Journal of the European Ceramic Society</i> , 2007, 27, 3915-3918.	5.7	26
115	Structural and magnetic characterization of LiMn <sub>1.825</sub> Cr <sub>0.175</sub> O <sub>4</sub> spinel obtained by ultrasonic spray pyrolysis. <i>Materials Research Bulletin</i> , 2007, 42, 515-522.	5.2	8
116	Crystal-structure and Mössbauer studies of Li <sub>1.746</sub> Nd <sub>4.494</sub> FeO <sub>9.493</sub> . <i>Journal of Solid State Chemistry</i> , 2007, 180, 2-7.	2.9	5
117	The Solid Solubility of Holmium in BaTiO <sub>3</sub> Under Reducing Conditions. <i>Journal of the American Ceramic Society</i> , 2006, 89, 3281-3284.	3.8	17
118	The synthesis of iron-nickel alloy nanoparticles using a reverse micelle technique. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 307, 250-256.	2.3	48
119	A high-temperature structure for Ta <sub>2</sub> O <sub>5</sub> with modulations by TiO <sub>2</sub> substitution. <i>Journal of Solid State Chemistry</i> , 2006, 179, 1782-1791.	2.9	21
120	Grain boundary reoxidation of donor-doped barium titanate ceramics. <i>Journal of the European Ceramic Society</i> , 2006, 26, 2899-2907.	5.7	69
121	Influence of microstructure and preparation methods on the magneto-crystalline structure and magnetic properties of submicron barium hexaferrite powders. <i>Journal of Materials Research</i> , 2006, 21, 2606-2610.	2.6	4
122	Syntheses of Ferrite Nanoparticles Using Ultrasound Irradiation. <i>Materials Science Forum</i> , 2006, 518, 73-78.	0.3	2
123	Redox processes in highly yttrium-doped barium titanate. <i>Journal of Solid State Chemistry</i> , 2005, 178, 1367-1375.	2.9	9
124	The synthesis of spinel-ferrite nanoparticles using precipitation in microemulsions for ferrofluid applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 289, 32-35.	2.3	86
125	Chemical synthesis of KNbO <sub>3</sub> and KNbO <sub>3</sub> -BaTiO <sub>3</sub> ceramics. <i>Journal of the European Ceramic Society</i> , 2005, 25, 2713-2717.	5.7	20
126	Subsolidus phase equilibria and the Li <sub>5</sub> Nd <sub>4</sub> FeO <sub>10</sub> phase in the Li <sub>2</sub> O-Nd <sub>2</sub> O <sub>3</sub> -Fe <sub>2</sub> O <sub>3</sub> system. <i>Materials Research Bulletin</i> , 2005, 40, 1856-1863.	5.2	3



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127	Synthesis of Lanthanum-Strontium Manganites by a Hydroxide-Precursor Co-Precipitation Method in Solution and in Reverse Micellar Microemulsion. <i>Materials Science Forum</i> , 2005, 494, 155-160.	0.3	16
128	The Synthesis and Properties of Magnetic Nanoparticles. <i>Materials Science Forum</i> , 2005, 494, 129-136.	0.3	11
129	The Preparation of Spinel Ferrite Nanoparticles Using Precipitation in Water-in-Oil Microemulsions. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2005, 23, 251-254.	0.1	6
130	The Synthesis of Silica-Coated Permalloy Nanoparticles Using a Water-in-Oil Microemulsion. <i>Materials Science Forum</i> , 2005, 494, 161-166.	0.3	1
131	Formation of Nanoneedles and Nanoplatelets of KNbO <sub>3</sub> Perovskite during Templated Crystallization of the Precursor Gel. <i>Chemistry of Materials</i> , 2005, 17, 2953-2958.	6.7	56
132	The preparation of MnZn-ferrite nanoparticles in water/CTAB/hexanol microemulsions. <i>Nanotechnology</i> , 2004, 15, S160-S166.	2.6	46
133	Solid Solubility of Holmium, Yttrium, and Dysprosium in BaTiO <sub>3</sub> . <i>Journal of the American Ceramic Society</i> , 2004, 87, 1324-1329.	3.8	141
134	Formation of U-type hexaferrites. <i>Journal of Materials Research</i> , 2004, 19, 2462-2470.	2.6	52
135	Preparation of MnZn-ferrite with microemulsion technique. <i>Journal of the European Ceramic Society</i> , 2004, 24, 959-962.	5.7	82
136	The preparation of MnZn-ferrite nanoparticles in a water/CTAB, 1-butanol/1-hexanol reverse microemulsion. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 3521-3524.	0.8	18
137	Mechanochemical synthesis of nanostructured fluorapatite/fluorhydroxyapatite and carbonated fluorapatite/fluorhydroxyapatite. <i>Journal of Solid State Chemistry</i> , 2004, 177, 2565-2574.	2.9	106
138	Fluorine as a Donor Dopant in Barium Titanate Ceramics. <i>Journal of the American Ceramic Society</i> , 2003, 86, 495-500.	3.8	16
139	Use of the Retarded Solution Re-precipitation Process to Attain a Higher Initial Permeability in MnZn Ferrites. <i>Journal of the American Ceramic Society</i> , 2003, 86, 1601-1604.	3.8	4
140	Positive temperature coefficient of resistivity effect in Pb-doped K <sub>3</sub> NbO <sub>7</sub> . <i>Journal of Materials Research</i> , 2002, 17, 2989-2992.	2.6	4
141	Quantitative WDXS Microanalysis of Bismuth-Based BaBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> Perovskites Doped with Nb and Fe. <i>Mikrochimica Acta</i> , 2002, 139, 159-163.	5.0	4
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144	Sintering of MnZn-ferrite powders prepared by hydrothermal reactions between oxides. <i>Journal of the European Ceramic Society</i> , 2001, 21, 1945-1949.	5.7	16

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150	New crystal structure in the BaO-Ce <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> system. Materials Research Bulletin, 1997, 32, 1657-1672.	5.2	3
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