

Shanker Ram

List of Publications by Year in descending order

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240
papers

3,888
citations

117625

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docs citations

243
times ranked

3994
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural ordering at magnetic seeds with twins at boundaries of a core-shell alloy Mn ₆₀ Bi ₄₀ and tailored magnetic properties. Nanotechnology, 2022, 33, 405703.	2.6	3
2	Spin-up conversion, exchange-interactions, and tailored magnetic properties in core-shell La ₂ NiMnO ₆ of small crystallites. Nanotechnology, 2021, 32, 435702.	2.6	10
3	Small core-shell Mn _{0.5} Bi _{0.5} Bi (1/3 at%) magnets, the anisotropic growth of crystallite nanoplates, interface-bridging, and tailored magnetic properties. Nanotechnology, 2021, 32, 045705.	2.6	3
4	Optical properties of heat-treated hierarchical structure of Eu ³⁺ modified C-CaIn ₂ O ₄ of small core-shell crystallites. SN Applied Sciences, 2020, 2, 1.	2.9	0
5	Green Synthesis of Cr ³⁺ Doped CaIn ₂ O ₄ -Carbon Hybrid Nanostructure and Its Light Absorption and Emission Properties. Journal of Nanoscience and Nanotechnology, 2019, 19, 8120-8125.	0.9	2
6	Biogenic Synthesis of Graphitic Carbon Nitride for Photocatalytic Degradation of Organic Dyes. ACS Omega, 2019, 4, 10263-10272.	3.5	22
7	Core-shell synergy and Eu ³⁺ doping in boosting charge transfer in Eu ³⁺ doped TiO ₂ -carbon core-shell nanohybrids: Sustainable synthesis and visible light-driven photocatalysis. Applied Surface Science, 2019, 492, 473-486.	6.1	10
8	Synthesis of Broad Band Violet-Blue Light-Emitting Core-Shell Cr ³⁺ :CaIn ₂ O ₄ Nanowires. Journal of Nanoscience and Nanotechnology, 2019, 19, 5769-5773.	0.9	1
9	Effect of temperature on magnetic and impedance properties of Fe ₃ BO ₆ of nanotubular structure with a bonded B ₂ O ₃ surface layer. Journal of Applied Physics, 2018, 123, .	2.5	10
10	Synthesis and magnetic properties of rare-earth free MnBi alloy: A high-energy hard magnetic material. AIP Conference Proceedings, 2018, , .	0.4	1
11	Negative optical absorption and up-energy conversion in dendrites of nanostructured silver grafted with I [±] /I ² -poly(vinylidene fluoride) in small hierarchical structures. Journal of Physics and Chemistry of Solids, 2018, 115, 254-264.	4.0	4
12	Piling-off Graphene Oxide from CaIn ₂ O ₄ Nanofacets and Dispersing in Nanofluids. Materials Today: Proceedings, 2018, 5, 2742-2745.	1.8	0
13	A biogenic TiO ₂ -C-O nanohybrid grown from a Ti ⁴⁺ -polymer complex in green tissues of chilis, interface bonding, and tailored photocatalytic properties. Journal of Materials Science, 2018, 53, 3131-3148.	3.7	12
14	Effect of Fullerene (C ₆₀) on Vibrational Spectra, Hydrodynamic Diameter, Zeta Potential and Microstructures of C ₆₀ /Poly(vinyl pyrrolidone) Nanofluids in Aqueous Medium. Asian Journal of Chemistry, 2018, 30, 2472-2476.	0.3	0
15	Biogenic Synthesis of Tunable Core-Shell C-CaIn ₂ O ₄ , Interface Bonding, Conductive Network Channels, and Tailored Dielectric Properties. ACS Sustainable Chemistry and Engineering, 2018, 6, 16298-16307.	6.7	14
16	Sensitivity Study of Nanocrystalline Fe ₃ BO ₆ Sensor for Methane Gas Detection. IEEE Sensors Journal, 2018, 18, 8230-8237.	4.7	11
17	Strongly optical absorptive nanofluids and rheology in bonded fullerene C ₆₀ via poly(vinyl pyrrolidone) molecules in water. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 143-150.	2.1	11
18	Aloe-vera Mediated Synthesis of Eu ³⁺ doped CaIn ₂ O ₄ -carbon Hybrid Nanostructure and its Light Emission Properties. MRS Advances, 2017, 2, 141-146.	0.9	1

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19	Effects of Silver Doping on Microstructure of Nanostrips, Tetragonality, and Mechanical Properties in Ni ₄₁ xAgxMn ₅₀ Sn ₉ (x 2) Heusler Alloys. Journal of Nanoscience and Nanotechnology, 2017, 17, 1884-1893.	0.9	2
20	Advanced ZrO ₂ -Based Ceramic Nanocomposites for Optical and Other Engineering Applications. , 2017, , 497-570.		3
21	Hydrothermal synthesis of LiMnPO ₄ -C(sp ²) hybrids, conductive channels, and enhanced dielectric permittivity: a modulated ionic conductor. Ionics, 2017, 23, 43-53.	2.4	7
22	Hierarchical Nanostructure, Microstrain and Mechanical Properties in Cr-doped Magnetocaloric Ni ₅₀ Mn ₃₇ Cr ₁ Sn ₁₃ , δ = 2.0, Alloys. Current Smart Materials, 2017, 2, .	0.5	3
23	LiMnPO ₄ Nanoplates with In-Situ Growth of a sp ² -Carbon Surface Layer from a Liquid Precursor, Phase Stability, and Tailored Impedance Properties. Current Physical Chemistry, 2017, 7, .	0.2	0
24	Large adiabatic temperature change in magnetoelastic transition in Ni ₅₀ Mn ₃₅ Cr ₂ Sn ₁₃ Heusler alloy of granular nanostructure. AIP Conference Proceedings, 2016, , .	0.4	0
25	Effect of chemical composition and Co-core size on the magnetic and magneto-transport properties of CoAg ₁₀₀ y core-shell nanocrystallites. Journal of Experimental Nanoscience, 2016, 11, 1426-1443.	2.4	1
26	Flexible hybrid eu ³⁺ doped P(VDF-HFP) nanocomposite film possess hypersensitive electronic transitions and piezoelectric throughput. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 2335-2345.	2.1	37
27	Magnetic, dielectric, and ferroelectric properties in Bi ³⁺ -substituted Li _{0.35} Zn _{0.3} Fe _{2.35-x} Bi _x O ₄ (x = 0.1) nanocrystallites. Materials Today: Proceedings, 2016, 3, 2141-2145.	1.8	1
28	Variation of optical properties, rheology, and microstructure in fullerene/poly(vinyl pyrrolidone) nanofluids with fullerene content inn-butanol. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 154-161.	2.1	9
29	Tuning the Optical and Rheological Properties of Fullerene C ₆₀ /Poly (Vinyl Pyrrolidone) Nanofluids via Inclusion of Nanogold. Plasmonics, 2016, 11, 1057-1065.	3.4	2
30	Small polaron conduction in lead modified lanthanum ferrite ceramics. Journal of Alloys and Compounds, 2015, 638, 334-343.	5.5	24
31	Poly(vinyl pyrrolidone) Mediated Solubilization and Stabilization of Fullerene C ₆₀ in the Form of Nanofluid in an Alcoholic Medium. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 1064-1072.	2.1	9
32	Dynamics of Surface Spins in Small Core-shell Magnets of Li _{0.35} Zn _{0.30} Fe _{2.35} O ₄ Bonds over a Carbon Surface and Tailored Magnetic Properties. Journal of Physical Chemistry C, 2015, 119, 23184-23195.	3.1	18
33	Mechanism of Solubilizing Fullerene C ₆₀ in Presence of Poly(Vinyl pyrrolidone) Molecules in Water. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 906-916.	2.1	11
34	The role of catalytic cobalt-modified lanthanum ferrite nano-crystals in selective sensing of carbon monoxide. Journal of Materials Science, 2015, 50, 644-651.	3.7	11
35	Self-Poled Transparent and Flexible UV Light-Emitting Cerium Complex-PVDF Composite: A High-Performance Nanogenerator. ACS Applied Materials & Interfaces, 2015, 7, 1298-1307.	8.0	129
36	Correlation of carbon monoxide sensing and catalytic activity of pure and cation doped lanthanum iron oxide nano-crystals. Sensors and Actuators B: Chemical, 2015, 206, 389-398.	7.8	20

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37	Physics of the multi-functionality of lanthanum ferrite ceramics. Journal of Applied Physics, 2014, 115, .	2.5	25
38	Magnetism in a Spintronic Compound $Zr_{0.8}Cr_{0.2}O_2$ of Small Crystallites. Journal of Nano Research, 2014, 28, 101-108.	0.8	1
39	Effect of surface modification of BiFeO ₃ on the dielectric, ferroelectric, magneto-dielectric properties of polyvinylacetate/BiFeO ₃ nanocomposites. EXPRESS Polymer Letters, 2014, 8, 669-681.	2.1	48
40	Ferromagnetic nickel filled in borate shell by controlled oxidation—crystallization of boride in air. Journal of Alloys and Compounds, 2014, 610, 100-106.	5.5	3
41	Inquiring the mechanism of formation, encapsulation, and stabilization of gold nanoparticles by poly(vinyl pyrrolidone) molecules in 1-butanol. Applied Nanoscience (Switzerland), 2014, 4, 247-254.	3.1	39
42	Low temperature butane sensing using catalytic nano-crystalline lanthanum ferrite sensing element. Sensors and Actuators B: Chemical, 2014, 195, 303-312.	7.8	30
43	A green chemical approach for synthesis of shape anisotropic gold nanoparticles. International Nano Letters, 2014, 4, 1.	5.0	16
44	Synthesis and magnetotransport properties of Co _{36.6} Ag _{63.4} core—shell nanocomposite. Physica B: Condensed Matter, 2014, 448, 96-99.	2.7	2
45	Intense quenching of fluorescence intensity of poly(vinyl pyrrolidone) molecules in presence of gold nanoparticles. Applied Nanoscience (Switzerland), 2013, 3, 543-548.	3.1	22
46	Spectroscopy-based study on the interaction between gold nanoparticle and poly(vinylpyrrolidone) molecules in a non-hydrocolloid. International Nano Letters, 2013, 3, 1.	5.0	48
47	Surface stabilized GMR nanorods of silver coated CrO ₂ synthesized via a polymer complex at ambient pressure. Journal of Magnetism and Magnetic Materials, 2013, 339, 175-181.	2.3	9
48	Forming a Cr ⁴⁺ (3d ²) spin doped $Zr_{1-x}Cr_xO_2$ ($x \leq 0.2$) of small crystallites at moderate pressure: A spin-semiconductor. Materials Chemistry and Physics, 2013, 142, 717-725.	4.0	6
49	Impedance properties in magnetic-dielectric $Zr_{0.8}Cr_{0.2}O_2$ Nanocrystallites. , 2013, ,		0
50	Synthesis and characterization of core—shell gold nanoparticles with poly(vinyl pyrrolidone) from a new precursor salt. Applied Nanoscience (Switzerland), 2013, 3, 83-87.	3.1	20
51	Percolative effects of poly(vinylidene fluoride) molecules on CO group vibrations in N,N-dimethylformamide in molecular assemblies. Journal of Molecular Liquids, 2013, 186, 116-121.	4.9	5
52	Elevated temperature magnetic properties and micromagnetic analysis in Nd—Fe—B based hard-magnetic nanocomposites. Journal of Magnetism and Magnetic Materials, 2013, 341, 108-111.	2.3	9
53	Gas sensing properties of ZnFe ₂ O ₄ nanoparticles. , 2013, , .		1
54	Facile synthetic route for synthesis of cobalt nanorods and dendritic structures using a bomb digestion vessel. Journal of Experimental Nanoscience, 2013, 8, 621-628.	2.4	2

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55	Consecutive Magnetic and Magnetocaloric Transitions in Herringbone Nanostructured Heusler $\text{Mn}_{50}\text{Ni}_{41}\text{Sn}_9$ Alloy. Journal of Nanoscience and Nanotechnology, 2013, 13, 5351-5359.	0.9	7
56	Lattice strain and ferromagnetism in pure and substituted BiFeO_3 samples. , 2013, , .		1
57	Local strains, calorimetry, and magnetoresistance in adaptive martensite transition in multiple nanostrips of $\text{Ni}_{39}\text{Mn}_{50}\text{Sn}_{11}$ alloys. Science and Technology of Advanced Materials, 2013, 14, 015004.	6.1	13
58	Anchoring Silver with Poly(vinylidene fluoride) Molecules in Model Flocculates and Its Effects on Rheology in Stable Nanofluids. Journal of Nanofluids, 2013, 2, 249-260.	2.7	11
59	Nanomagnets $\text{La}_{0.8}\text{Pb}_{0.2}(\text{Fe}_{0.8}\text{Co}_{0.2}\text{Q})_1$ Assembled with a Bonded Surface Graphene Oxide: Sensitive for Sensing Small Gas Molecules. Journal of Nanoscience and Nanotechnology, 2012, 12, 2973-2982.	0.9	1
60	Temperature dependent magnetic and dielectric properties of M-type hexagonal $\text{BaFe}_{12}\text{O}_{19}$ nanoparticles. Journal of Alloys and Compounds, 2012, 545, 225-230.	5.5	53
61	Chemical synthesis of Co/Cu core/shell nanocomposites and evaluation of their magnetic properties. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 1206-1212.	3.5	6
62	Synthesis and surface modified hard magnetic properties in $\text{Co}_{0.5}\text{Pt}_{0.5}$ nanocrystallites from a rheological liquid precursor. Journal of Magnetism and Magnetic Materials, 2012, 324, 3893-3898.	2.3	1
63	Effect of surface-topology on magnetic properties in $(\text{La}_{0.6}\text{Eu}_{0.4})_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ of anisotropic shape of nanoplates. Journal of Magnetism and Magnetic Materials, 2012, 324, 1133-1140.	2.3	3
64	Solubilization and stabilization of fullerene C_{60} in presence of poly(vinyl pyrrolidone) molecules in water. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2012, 72, 233-239.	1.6	25
65	Effects of Gold Nanoparticles on Rheology of Nanofluids Containing Poly(vinylidene fluoride) Molecules. Journal of Nanofluids, 2012, 1, 120-127.	2.7	13
66	Effect of crystallite size on Vickers microhardness in nanostructured Heusler $\text{Ni}_{39}\text{Mn}_{50}\text{Sn}_{11}$ alloys. , 2011, , .		0
67	Dielectric permittivity and electrical conductivity in magnetic nanoassemblies in c-ZrO_2 upon adding Cr^{4+} (3d^2) spins. , 2011, , .		0
68	Modulating Up-Energy Transfer and Violet-Blue Light Emission in Gold Nanoparticles with Surface Adsorption of Poly(vinyl pyrrolidone) Molecules. Journal of Physical Chemistry C, 2011, 115, 7817-7828.	3.1	33
69	Sacrificial seed mediated synthesis of copper nanopots by a modified polyol process. Journal of Experimental Nanoscience, 2011, 6, 422-431.	2.4	2
70	Self-controlled growth of Fe_3BO_6 crystallites in shape of nanorods from iron-borate glass of small templates. Materials Chemistry and Physics, 2011, 129, 1020-1026.	4.0	25
71	Phase Transformation, Microstructure and Magnetocaloric Properties in Polycrystalline Bulk $\text{Ni}_{50}\text{Mn}_{50}\text{Sn}_z$ Alloys. IEEE Transactions on Magnetics, 2011, 47, 3395-3398.	2.1	12
72	Microstructure and frequency sensitive electrical conductivity in Fe_3BO_6 : B_2O_3 of a hybrid vitroceraamic nanocomposite. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2130-2139.	1.8	4

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73	Local vibration assisted molecular configurations in poly(vinylidene fluoride) of ordered ferroelectric phase in N,N-dimethylformamide. Journal of Molecular Liquids, 2011, 161, 132-138.	4.9	3
74	A Liquid-Precursor Synthesis of Single-Phase Magnetolectric LaFeO ₃ Nanocrystallites. Materials Express, 2011, 1, 210-218.	0.5	8
75	Frequency-temperature dependent dynamics of dielectrics in ferric oxoborate Fe ₃ BO ₆ of cocktail structure of nanorods. Philosophical Magazine Letters, 2011, 91, 498-509.	1.2	5
76	EFFECT OF COPPER ADDITIVES ON IRREVERSIBLE MELTING IN [(Fe _{0.5} Co _{0.5}) _{0.75} BO ₂ Si _{0.05}] ₉₆ Nb ₄] _{100-x} Cu _x , x = 3, ALLOYS. International Journal of Nanoscience, 2011, 10, 1013-1017.	0.7	1
77	Low Field Magnetoresistance at Room Temperature in CrO ₂ Doped Polyvinyl Alcohol Films. Materials Research Society Symposia Proceedings, 2011, 1359, 169.	0.1	0
78	SYNTHESIS OF CrO ₂ MODIFIED c-ZrO ₂ OF FERROMAGNETIC NANOCOMPOSITE PARTICLES. International Journal of Nanoscience, 2011, 10, 591-595.	0.7	2
79	Magnetic Properties of Carbon Stabilized Core-Shell Ni-NiO Nanoparticles. , 2011, , .		1
80	Synthesis and Optical Properties of Surface Stabilized Gold Nanoparticles with Poly(Vinyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td	0.2	8
81	Electron-Phonon Coupling Assisted Emission in Single Magnetic La _{0.67} Ca _{0.33} MnO ₃ Domains of Thin Nanoplates. Journal of Nanoscience and Nanotechnology, 2010, 10, 2564-2569.	0.9	3
82	Controlled Novel Route to Synthesis and Characterization of Silver Nanorods. Journal of Nanoscience and Nanotechnology, 2010, 10, 4329-4334.	0.9	3
83	Preparation and thermomechanical properties of Ag-PVA nanocomposite films. Materials Chemistry and Physics, 2010, 119, 266-271.	4.0	144
84	Optical and electron paramagnetic resonance properties of native Cr ₂ O ₃ surface over CrO ₂ . Journal of Magnetism and Magnetic Materials, 2010, 322, 1484-1487.	2.3	11
85	Magnetic Properties of Chemically Synthesized (La _{1-x} Eu _x) _{0.67} Ca _{0.33} MnO ₃ Nanoplates. Advanced Materials Research, 2010, 117, 75-79.	0.3	0
86	Synthesis of Norbergite Fe ₃ BO ₆ of Single Crystallites from a Borate Glass. Transactions of the Indian Ceramic Society, 2010, 69, 165-170.	1.0	13
87	The effect of substitution of Nd by Pr on the magnetic properties of melt-spun Nd-Fe-B nanocomposite alloys. Journal Physics D: Applied Physics, 2010, 43, 135004.	2.8	5
88	Antibacterial Effect of Lanthanum Calcium Manganate (La _{0.67} Ca _{0.33} MnO ₃) Nanoparticles Against Pseudomonas aeruginosa ATCC 27853. Journal of Biomedical Nanotechnology, 2010, 6, 138-144.	1.1	40
89	Study of Fe-rich FePt nanoparticles synthesized by a single step reverse micelle route. Journal of Alloys and Compounds, 2010, 501, 297-300.	5.5	6
90	First order structural transformation and inverse magnetocaloric effect in melt-spun Ni-Mn-Sn ribbons. Journal Physics D: Applied Physics, 2010, 43, 205002.	2.8	41

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91	Tailoring absorption and emission of light in dielectric polymer nanofluids of reinforced poly(vinylidene fluoride) with silver nanoparticles. Journal of Applied Physics, 2010, 107, .	2.5	2
92	Highly fluorescent silver nanofluids with ferroelectric molecules. Philosophical Magazine Letters, 2010, 90, 781-791.	1.2	3
93	Structural and magnetic properties of polymer-stabilized tetragonal Ni nanoparticles. Philosophical Magazine, 2010, 90, 1401-1414.	1.6	8
94	A Facile Green-Chemical-Synthetic-Route for Producing Gold Nanoparticles Using <i>Camellia Sinensis</i> . Advanced Science Letters, 2010, 3, 144-148.	0.2	4
95	A novel green chemical route for synthesis of silver nanoparticles using <i>camellia sinensis</i> . Acta Chimica Slovenica, 2010, 57, 808-12.	0.6	19
96	Light emission from ferroelectric barium titanate nanocrystals. Philosophical Magazine Letters, 2009, 89, 545-555.	1.2	10
97	A Large Inverse Magnetocaloric Effect in Ni _{49.0} Mn _{37.4} Sn _{13.6} Melt-Spun Ribbons at Room Temperature. Nanoscience and Nanotechnology Letters, 2009, 1, 151-155.	0.4	5
98	Structural, magnetic, and magnetotransport studies in bulk Ni _{55.2} Mn _{18.1} Ga _{26.7} alloy. Journal of Applied Physics, 2009, 105, 023903.	2.5	20
99	Optical Properties in Nanofluids of Gold Nanoparticles in Poly(vinylpyrrolidone). Journal of Nanoscience and Nanotechnology, 2009, 9, 4342-4347.	0.9	15
100	Magnetic Properties of La _{0.67} Ca _{0.33} MnO ₃ Nanoplates. IEEE Transactions on Magnetics, 2009, 45, 4352-4356.	2.1	2
101	Synthesis, mechanical and <i>in vivo</i> characteristics of Ag/PVA nanocomposite films. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 1471-1477.	1.8	13
102	Dynamic Light Scattering and Optical Absorption in Biological Nanofluids of Gold Nanoparticles in Poly(vinyl pyrrolidone) Molecules. Journal of Physical Chemistry C, 2009, 113, 6976-6982.	3.1	45
103	Selective Light Emission in Nonbonding Electron Transitions in Poly(vinyl pyrrolidone) Molecules on Spin-Coating in Thin Layers. Journal of Physical Chemistry A, 2009, 113, 14067-14073.	2.5	16
104	Crystallization kinetics and magnetic properties of Fe ₆₆ Nb ₄ B ₃₀ bulk metallic glass. Journal of Alloys and Compounds, 2009, 483, 632-637.	5.5	53
105	Synthesis of cobalt nanoparticles by a modified polyol process using cobalt hydrazine complex. Journal of Alloys and Compounds, 2009, 474, 214-218.	5.5	42
106	Studies on ordering temperature and martensite stabilization in Ni ₅₅ Mn _{20-x} Ga _{25+x} alloys. Journal of Alloys and Compounds, 2009, 475, 276-280.	5.5	16
107	Microstructure and magnetic properties of (Nd _{1-y} Pr _y) _{4.5} Fe ₇₇ B _{18.5} nanocomposite alloys. Journal of Alloys and Compounds, 2009, 480, 670-673.	5.5	9
108	X-ray photoelectron spectrum in surface interfacing of gold nanoparticles with polymer molecules in a hybrid nanocomposite structure. Nanotechnology, 2009, 20, 075701.	2.6	46

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109	Dynamic inverse-magnetocaloric and martensite transition in Ni ₄₉ Mn ₃₈ Sn ₁₃ nanocrystals in low magnetic fields. Philosophical Magazine Letters, 2009, 89, 399-407.	1.2	10
110	Silver-Modified CrO ₂ of Core-Shell Nanoparticles and their Magnetic and Impedance Properties. Journal of the American Ceramic Society, 2008, 91, 322-324.	3.8	2
111	Enhanced Phase Stability and Photoluminescence of Eu ³⁺ Modified ZnO Nanoparticles. Journal of the American Ceramic Society, 2008, 91, 329-332.	3.8	24
112	Structure and magnetic properties in Ag-stabilized ferromagnetic sensor of CrO ₂ nanoparticles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 498, 125-128.	5.6	3
113	Effect of Mn on the magnetic properties of Fe ₃ B/Nd ₂ Fe ₁₄ B nanocomposites. Journal of Magnetism and Magnetic Materials, 2008, 320, 1645-1650.	2.3	14
114	Nonlinear variation of optical absorption and rheological behavior with concentration in dispersed poly(vinyl pyrrolidone) of small molecules in water. Journal of Molecular Liquids, 2008, 137, 58-63.	4.9	6
115	NEAR STATIONARY DIELECTRIC PROPERTIES IN HALF-METALLIC FERROMAGNETIC Ag:CrO ₂ NANOCOMPOSITE PARTICLES AT HIGH FREQUENCIES. Modern Physics Letters B, 2008, 22, 1423-1429.	1.9	1
116	Impedance and magnetic properties of chemically synthesized CrO ₂ •Ag nanocomposite particles. Journal of Applied Physics, 2008, 103, 07D709.	2.5	2
117	Shape-controlled silver metal of nanospheroids from a polymer-assisted autocombustion reaction in open air. Journal of Alloys and Compounds, 2008, 463, 428-434.	5.5	10
118	Magnetic Properties of Melt Spun Fe ₃ B•Nd ₂ Fe ₁₄ B Nanocomposites Containing Mn. AIP Conference Proceedings, 2008, , .	0.4	2
119	Evidence For Anti-ferromagnetism In NiO•Ni ₃ B ₂ O ₆ Nanocomposites. AIP Conference Proceedings, 2008, , .	0.4	3
120	Enhanced magnetic behavior in carbon encapsulated nickel nanotubules through a linear polymer template. Applied Physics Letters, 2008, 92, .	3.3	8
121	Advanced Ceramics and Nanocomposites of Half-metallic Ferromagnetic CrO ₂ for Magnetic, GMR and Optical Sensors. Nanostructure Science and Technology, 2008, , 1-64.	0.1	1
122	SYNTHESIS, CHARACTERIZATION, AND SELF-CONTROLLED ORTHORHOMBIC TO TETRAGONAL POLYMORPHIC TRANSFORMATION IN BaTiO ₃ NANOPARTICLES. Modern Physics Letters B, 2007, 21, 1697-1714.	1.9	1
123	The effect of silver coating on magnetic properties of oxygen-stabilized tetragonal Ni nanoparticles prepared by chemical reduction. Journal of Physics Condensed Matter, 2007, 19, 346220.	1.8	20
124	Ferroelectric BaTiO ₃ phase of orthorhombic crystal structure contained in nanoparticles. Journal of Applied Physics, 2007, 102, .	2.5	19
125	BaTiO ₃ nanoparticles of orthorhombic structure following a polymer precursor. Part II. A thermodynamic analysis. Philosophical Magazine, 2007, 87, 5497-5504.	1.6	0
126	A new allotropic structure of silver nanocrystals nucleated and grown over planar polymer molecules. Philosophical Magazine Letters, 2007, 87, 361-372.	1.2	27

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127	Gold Nanoparticles Reinforced Poly(vinyl alcohol) of Self-Standing Optical Films. Journal of Nanoscience and Nanotechnology, 2007, 7, 3200-3206.	0.9	4
128	A simple polyol synthesis of silver metal nanopowder of uniform particles. Synthetic Metals, 2007, 157, 5-10.	3.9	64
129	Phase transformation and magnetic properties in Ni-Mn-Ga Heusler alloys. Journal of Alloys and Compounds, 2007, 432, 23-29.	5.5	38
130	Nanorods of Silver-Coated Magnetic CrO ₂ Particles from a Polymer Template in Hot Water. Journal of Physical Chemistry C, 2007, 111, 7593-7598.	3.1	22
131	Magnetostructural transformation, microstructure, and magnetocaloric effect in Ni-Mn-Ga Heusler alloys. Journal of Applied Physics, 2007, 102, 013906.	2.5	31
132	BaTiO ₃ nanoparticles of orthorhombic structure following a polymer precursor. Part I. X-ray diffraction and electron paramagnetic resonance. Philosophical Magazine, 2007, 87, 5485-5495.	1.6	4
133	Immobilizing Au-nanocolloids in co-branched polymer molecules in presence of gluconic acid in poly(vinyl alcohol) in hot water. Materials Chemistry and Physics, 2007, 106, 379-386.	4.0	13
134	Synthesis of Lithium-doped Zirconia Nanoceramics of Controlled Oxygen Vacancies. Defence Science Journal, 2007, 57, 41-46.	0.8	2
135	Comparative cytoprotective activity of vitamin C, E and beta-carotene against chromium induced oxidative stress in murine macrophages. Biomedicine and Pharmacotherapy, 2006, 60, 71-76.	5.6	29
136	Fabrication of bulk amorphous Fe ₆₇ Co _{9.5} Nd ₃ Dy _{0.5} B ₂₀ alloy by hot extrusion of ribbon and study of the magnetic properties. Journal of Materials Science, 2006, 41, 3445-3450.	3.7	9
137	Microstructure, topology and X-ray diffraction in Ag-metal reinforced polymer of polyvinyl alcohol of thin laminates. Journal of Materials Science, 2006, 41, 3007-3016.	3.7	56
138	Gold Nanoparticles from Induced Au ₃ +Au ₀ Reaction in Polyvinyl Alcohol Molecules in Presence of Sucrose in Hot Water. Plasmonics, 2006, 1, 121-127.	3.4	5
139	Synthesis of shape-controlled ferromagnetic CrO ₂ nanoparticles by reaction in micelles of Cr ⁶⁺ -PVA polymer chelates. Materials Chemistry and Physics, 2006, 100, 6-9.	4.0	16
140	Ultrasonic properties in Au nanoparticles reinforced PVA solution. Materials Research Innovations, 2006, 10, 398-401.	2.3	4
141	Light emission associated with the 5D ₀ →7F ₃ forbidden transition in Eu ³⁺ cations dispersed in an Eu ³⁺ :Al ₂ O ₃ mesoporous structure. Philosophical Magazine Letters, 2006, 86, 375-384.	1.2	16
142	A NEW FERROELECTRIC PbZr _{0.52} Ti _{0.48} O ₃ POLYMORPH OF NANOPARTICLES. Modern Physics Letters B, 2006, 20, 159-167.	1.9	1
143	Synthesis and Characterization of Thin Ferroelectric PbZr _{0.52} Ti _{0.48} O ₃ Fibrils. Journal of the American Ceramic Society, 2005, 88, 3444-3448.	3.8	17
144	X-ray diffraction and X-ray photoelectron spectroscopy studies of stabilised cobalt nanoparticles with a thin Al ₂ O ₃ surface layer. Materials Science and Technology, 2005, 21, 243-249.	1.6	9

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