

# Manoranjan Kar

## List of Publications by Year in descending order

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138  
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159585

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#	ARTICLE	IF	CITATIONS
1	Structural and magnetic property analysis of bulk and nanocrystalline Ni <sub>1.8</sub> Mn <sub>1.2</sub> Sn Heusler alloy. Journal of Magnetism and Magnetic Materials, 2022, 544, 168656.	2.3	3
2	Structural, magnetic and optical properties of (0.45) Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> + (0.55) BaFe <sub>12</sub> O <sub>19</sub> composite. Materials Today: Proceedings, 2022, , .	1.8	5
3	Effect of Gd doping on magnetic and MCE properties of M-type barium hexaferrite. Journal of Alloys and Compounds, 2022, 899, 163367.	5.5	22
4	NiMnSn half Heusler alloy: Critical phenomena at the ferromagnetic to paramagnetic phase transition. Materials Today: Proceedings, 2022, , .	1.8	0
5	Magnetic interaction between soft and hard ferrimagnetic phases in BaFe <sub>12</sub> O <sub>19</sub> + CuFe <sub>2</sub> O <sub>4</sub> composite. Physica Scripta, 2022, 97, 035809.	2.5	10
6	Magnetic properties and hyperthermia action of cobalt zinc ferrite fibers. Journal of Sol-Gel Science and Technology, 2022, 101, 546-561.	2.4	5
7	Reduction of depolarization field effect on ferroelectric switching process in semiconductor relaxor ferroelectric composite. Journal of Applied Physics, 2022, 131, 154102.	2.5	1
8	Study of dipole polarization in Zn doped barium hexaferrite. Materials Today: Proceedings, 2022, 66, 1862-1864.	1.8	1
9	Semiconducting nature, magnetic critical exponent, and magnetocaloric effect study near room temperature on Fe Mn Al alloy. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 283, 115817.	3.5	1
10	Tuning of reduced remanent and (BH) <sub>max</sub> by exchange spring phenomenon in ferrimagnetic composite. Journal of Magnetism and Magnetic Materials, 2022, 560, 169569.	2.3	5
11	Electrocaloric effect and temperature dependent scaling behaviour of dynamic ferroelectric hysteresis studies on modified BTO. Journal of Physics and Chemistry of Solids, 2022, 169, 110844.	4.0	13
12	Magnetic phase diagram of BHF-NZFO composite at room temperature. Ceramics International, 2022, 48, 30574-30581.	4.8	2
13	Magnetocaloric effect and critical magnetic behavior in Ni-rich Ni-Mn-Sn full Heusler alloy. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	7
14	Microstructure-dependent electrical properties of Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -BaTiO <sub>3</sub> -SrTiO <sub>3</sub> ternary solid solution. Journal of Materials Science: Materials in Electronics, 2021, 32, 6607-6622.	2.2	9
15	Modification in crystal structure of copper ferrite fiber by annealing and its hyperthermia application. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	8
16	Crystal structure and magnetic properties study on barium hexaferrite (BHF) and cobalt zinc ferrite (CZF) in composites. Solid State Sciences, 2021, 113, 106529.	3.2	35
17	Tailoring the microstructural, magnetic and dielectric properties of vanadium ions substituted nickel ferrite nanocrystals. Journal of Materials Science: Materials in Electronics, 2021, 32, 10140-10150.	2.2	3
18	Optimization of structure-property relationships in nickel ferrite nanoparticles annealed at different temperature. Journal of Physics and Chemistry of Solids, 2021, 151, 109928.	4.0	105

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19	Optimization of magnetic properties and hyperthermia study on soft magnetic nickel ferrite fiber. Physica B: Condensed Matter, 2021, 621, 413280.	2.7	10
20	The dehydrogenative oxidation of aryl methanols using an oxygen bridged [Cu-O-Se] bimetallic catalyst. New Journal of Chemistry, 2021, 45, 5775-5779.	2.8	3
21	Crystal structure and magnetic properties study on barium hexaferrite of different average crystallite size. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	32
22	Enhancement of coercivity of M-type barium hexaferrite by Ho doping. Materials Today: Proceedings, 2021, , .	1.8	9
23	Sweep-Rate Dependence of the Large Magnetocaloric Effect across the Magnetostructural Transition in the $Mn_{0.6}Ni_{0.4}Co$ Heusler Alloy. Journal of Magnetism and Magnetic Materials, 2021, 511, 166100.	2.3	10
24	Raman Characterization of polycrystalline barium hexaferrite nanoparticles: SERS of nanoparticles in powder form. Physica B: Condensed Matter, 2020, 579, 411833.	2.7	3
25	Magnetic interaction between BHF (BaFe <sub>12</sub> O <sub>19</sub> ) and BTO (BaTiO <sub>3</sub> ) in BTO-BHF nanocomposite. Journal of Magnetism and Magnetic Materials, 2020, 498, 166100.	2.3	10
26	Crystal structure and magnetic properties study on ferromagnet Fe <sub>2</sub> MnSi <sub>0.75</sub> Al <sub>0.25</sub> Heusler alloy. Physica B: Condensed Matter, 2020, 579, 411805.	2.7	5
27	Correlation between crystal structure parameters with magnetic and dielectric parameters of Cu-doped barium hexaferrite. Journal of Magnetism and Magnetic Materials, 2020, 499, 166213.	2.3	21
28	Effect of doping different rare earth ions on microstructural, optical, and magnetic properties of nickel-cobalt ferrite nanoparticles. Journal of Materials Science: Materials in Electronics, 2020, 31, 435-443.	2.2	43
29	Grain size effect on magnetic and dielectric properties of barium hexaferrite (BHF). Physica B: Condensed Matter, 2020, 579, 411908.	2.7	20
30	Effect of Fe Concentration on Ferroelectric and Magnetic Properties of Lead Iron Niobate. Journal of Electronic Materials, 2020, 49, 5631-5637.	2.2	0
31	Correlation between Critical Behavior and Magnetocaloric Effect near Paramagnetic to Ferromagnetic Phase Transition of Co <sub>2</sub> TiAl <sub>0.75</sub> Si <sub>0.25</sub> Heusler Alloy. Physica Status Solidi (B): Basic Research, 2020, 257, 2000123.	1.5	11
32	Impact of In <sup>3+</sup> ion substitution on microstructural, magnetic and dielectric responses of nickel-cobalt spinel ferrite nanocrystals. Journal of Materials Science: Materials in Electronics, 2020, 31, 17762-17772.	2.2	10
33	Piezoelectric and mechanical properties of PVDF-PZT composite. Ferroelectrics, 2020, 558, 59-66.	0.6	19
34	Room temperature magneto-caloric effect and electron transport properties study on Ni <sub>2.14</sub> Mn <sub>0.55</sub> Sb <sub>1.31</sub> alloy. Journal of Alloys and Compounds, 2020, 843, 156033.	5.5	4
35	Scaling behavior of dynamic ferroelectric hysteresis for semiconductor-relaxor (O <sup>3-</sup> ) type ZnO-(Bi <sub>0.5</sub> Na <sub>0.5</sub> ) <sub>0.94</sub> Ba <sub>0.06</sub> TiO <sub>3</sub> composite. Journal of Applied Physics, 2020, 127, 104103.	2.5	7
36	Evidence of magnetic interaction between BaFe <sub>12</sub> O <sub>19</sub> and CuFe <sub>2</sub> O <sub>4</sub> in the nanocomposite. AIP Conference Proceedings, 2020, , .	0.4	2

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37	Enhanced saturation magnetization of $\text{Co}_2\text{TiAl}_{0.75}\text{Si}_{0.25}$ ferromagnetic Heusler alloy. AIP Conference Proceedings, 2020, , .	0.4	1
38	Study of magnetic interaction between hard and soft magnetic ferrite in the nanocomposite. AIP Conference Proceedings, 2020, , .	0.4	4
39	Magnetic critical behaviour study on $\text{Fe}_2\text{MnSi}_{0.5}\text{Al}_{0.5}$ Heusler alloy. AIP Conference Proceedings, 2020, , .	0.4	0
40	A new type low-cost, flexible and wearable tertiary nanocomposite sensor for room temperature hydrogen gas sensing. Scientific Reports, 2020, 10, 2151.	3.3	68
41	Surface magnetic interactions between $\text{Bi}_{0.85}\text{La}_{0.15}\text{FeO}_3$ and $\text{BaFe}_{12}\text{O}_{19}$ nanomaterials in $(1-x)\text{Bi}_{0.85}\text{La}_{0.15}\text{FeO}_3$ - $(x)\text{BaFe}_{12}\text{O}_{19}$ nanocomposites. Journal of Magnetism and Magnetic Materials, 2020, 508, 166862.	2.3	19
42	Nonstoichiometric charge defect induced relaxor antiferroelectric ordering in La modified $\text{Bi}_{0.5}$ ( $\text{Na}_{0.80}\text{K}_{0.20}$ ) $\text{TiO}_3$ relaxor ferroelectric. Journal of Physics Condensed Matter, 2020, 32, 045404.	1.8	3
43	Lattice strain caused magnetism and magnetocrystalline anisotropy in Zn modified barium hexaferrite. Physica B: Condensed Matter, 2020, 588, 412200.	2.7	27
44	Room temperature magnetic biasing in $\text{Bi}_{0.85}\text{La}_{0.15}\text{FeO}_3$ and $\text{BaTiO}_3$ composite. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	4
45	Tuning optical and optoelectronic properties of gold nanoparticle and ZnO thin film hetero-structures. Nano Express, 2020, 1, 030037.	2.4	5
46	Visible light photoconductivity studies of gold nanoparticle embedded ZnO thin films for photo detector application. Semiconductor Science and Technology, 2020, 35, 115004.	2.0	5
47	Role of tricritical triple point type morphotropic phase boundary (multiple crystalline phases) on energy storage density in $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ based solid solution. Materials Research Express, 2019, 6, 095521.	1.6	5
48	Effect of hot press temperature on $\langle i \rangle^2$ -phase, dielectric and ferroelectric properties of solvent casted Poly(vinylidene fluoride) films. Materials Research Express, 2019, 6, 095306.	1.6	37
49	Correlation between lattice strain and physical (magnetic, dielectric, and magnetodielectric) properties of perovskite-spinel $(\text{Bi}_{0.85}\text{La}_{0.15}\text{FeO}_3)(1-x)\text{NiFe}_2\text{O}_4$ composites. Journal of Applied Physics, 2019, 125, 244105.	2.5	16
50	Metal to semimetal transition and magnetic critical behavior at room temperature in the full Heusler alloy $\text{Fe}_2\text{MnSi}$ . Journal Physics D: Applied Physics, 2019, 52, 505002.	2.8	6
51	Structural and Electrical Properties of CFO Nanoparticle- Filled PVA. Journal of Electronic Materials, 2019, 48, 3612-3623.	2.2	10
52	Evidence of compositional fluctuation induced relaxor antiferroelectric to antiferroelectric ordering in $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ $\leftrightarrow$ $\text{Bi}_{0.5}\text{K}_{0.5}\text{TiO}_3$ based lead free ferroelectric. Journal of Materials Science: Materials in Electronics, 2019, 30, 9547-9557.	2.2	9
53	Compositional Fluctuation Induced Relaxor Antiferroelectric Ordering in La Modified $(\text{Bi}_{0.5}\text{Na}_{0.5})_{0.94}\text{Ba}_{0.06}\text{TiO}_3$ : Effect of Polar Nanoregions. , 2019, , .		0
54	Effect of annealing temperature on morphology and magnetic properties of cobalt ferrite nanofibers. Materials Research Express, 2019, 6, 1250a3.	1.6	13

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55	Effect of (Ni-Ag) co-doping on crystal structure and magnetic Property of SnO <sub>2</sub> . Materials Research Express, 2019, 6, 126107.	1.6	22
56	Optimization of dielectric properties of PVDF $\hat{c}$ CFO nanocomposites. Polymer Composites, 2019, 40, 1239-1250.	4.6	20
57	Lattice strain mediated dielectric and magnetic properties in La doped barium hexaferrite. Journal of Magnetism and Magnetic Materials, 2019, 473, 312-319.	2.3	74
58	Effect of Nd Doping on Dielectric and Impedance Properties of PZT Nanoceramics. Journal of Electronic Materials, 2018, 47, 2861-2870.	2.2	7
59	Effect of lattice strain on structural and magnetic properties of Ca substituted barium hexaferrite. Journal of Magnetism and Magnetic Materials, 2018, 458, 30-38.	2.3	94
60	Crystal structure and magnetic properties of Cr doped barium hexaferrite. AIP Conference Proceedings, 2018, , .	0.4	4
61	Effect of Ti substitution in place of Fe on crystal symmetries and magnetic properties of Bi 0.850 La 0.150 FeO 3. Journal of Physics and Chemistry of Solids, 2018, 119, 107-113.	4.0	7
62	Strain induced magnetism and superexchange interaction in Cr substituted nanocrystalline cobalt ferrite. Materials Chemistry and Physics, 2018, 211, 54-64.	4.0	38
63	Lattice strain induced multiferroicity in PZT-CFO particulate composite. Journal of Applied Physics, 2018, 123, .	2.5	35
64	Enhancement of dielectric constant in polymer-ceramic nanocomposite for flexible electronics and energy storage applications. Composites Science and Technology, 2018, 157, 48-56.	7.8	85
65	Structural, magnetic, and electrical properties of (1 $\hat{c}$ x)Bi0.85La0.15FeO3-(x)CoFe2O4 multiferroic composites. Journal of Physics and Chemistry of Solids, 2018, 115, 42-48.	4.0	24
66	Magnetic interaction between ferrimagnetic CoFe2O4 and antiferromagnetic NiO in nanocomposite. Physica B: Condensed Matter, 2018, 530, 114-120.	2.7	7
67	Phase diagram of Sm and Mn co-doped bismuth ferrite based on crystal structure and magnetic properties. Journal of Sol-Gel Science and Technology, 2018, 85, 166-177.	2.4	36
68	Structural, dielectric, impedance and conductivity studies of Ba(Fe <sub>0.5</sub> Nb <sub>0.5</sub> )O <sub>3</sub> nanomaterial prepared by the mechanochemical method. Ferroelectrics, 2018, 537, 198-213.	0.6	1
69	Multiple electrical phase transitions in nanocrystalline aluminium-substituted cobalt ferrite. International Journal of Modern Physics B, 2018, 32, 1850358.	2.0	2
70	Surface anisotropy induced magnetism in BaTiO3-CoFe2O4 (BTO-CFO) nanocomposite. Journal of Magnetism and Magnetic Materials, 2018, 465, 93-99.	2.3	16
71	Crystal structure, magnetic and dielectric properties of (1-x) BiFe0.80Ti0.20O3 $\hat{c}$ (x)Co0.5Ni0.5Fe2O4 multiferroic composites. Journal of Alloys and Compounds, 2018, 762, 668-677.	5.5	14
72	Simultaneous effect of crystal lattice and non magnetic substitution on magnetic properties of barium hexaferrite. AIP Conference Proceedings, 2018, , .	0.4	2

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73	AC and DC conductivity study on Ca substituted bismuth ferrite. AIP Conference Proceedings, 2018, , .	0.4	1
74	Ferroelectric like behavior in Cr substituted cobalt ferrite. AIP Conference Proceedings, 2018, , .	0.4	2
75	PVDF, Barium Hexaferrites, and rGO Nanocomposite for High Energy Density Capacitor. IEEE Nanotechnology Magazine, 2018, 17, 1129-1132.	2.0	7
76	Octahedral distortion due to oxygen vacancy reduction in La <sup>3+</sup> modified BNT-BTO solid solutions near morphotropic phase boundary. Journal Physics D: Applied Physics, 2018, 51, 375301.	2.8	16
77	Double crystal symmetries and magnetic orderings in co-substituted (Y and Mn) bismuth ferrite. Ceramics International, 2018, 44, 18609-18616.	4.8	9
78	Study of hopping type conduction from AC conductivity in multiferroic composite. AIP Conference Proceedings, 2018, , .	0.4	0
79	Tuning of dielectric and impedance properties of PVDF by incorporation of Mg doped PZT. Journal of Materials Science: Materials in Electronics, 2018, 29, 16842-16852.	2.2	17
80	High-Temperature Magnetic Behaviour of 10 % Aluminium-Substituted Cobalt Ferrite. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1629-1634.	1.8	4
81	Impedance and DC resistivity studies on chromium substituted cobalt ferrite. Journal of Materials Science: Materials in Electronics, 2017, 28, 10652-10673.	2.2	20
82	Enhanced dielectric of PVDF-CoFe <sub>1.5</sub> Cr <sub>0.5</sub> O <sub>4</sub> for capacitor application. AIP Conference Proceedings, 2017, , .	0.4	0
83	Tuning of magnetic property by lattice strain in lead substituted cobalt ferrite. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 220, 73-81.	3.5	30
84	Electrical Properties and Dipole Relaxation Behavior of Zinc-Substituted Cobalt Ferrite. Journal of Electronic Materials, 2017, 46, 6884-6894.	2.2	27
85	Competition between strain and superexchange mediated magnetism in modified cobalt ferrite. AIP Conference Proceedings, 2017, , .	0.4	0
86	Effect of Sintering Temperature on Electrical Properties of BHF Ceramics Prepared by Modified Sol-Gel Method. Materials Today: Proceedings, 2017, 4, 5517-5524.	1.8	14
87	CFO-Graphene nano composite for High Performance Electrode Material. Materials Today: Proceedings, 2017, 4, 5651-5656.	1.8	4
88	Existence of multi crystallographic phase in BNT-BTO solid solution near morphotropic phase boundary (MPB). AIP Conference Proceedings, 2017, , .	0.4	4
89	Effect of microstructure on electrical properties of Li and Cr substituted nickel oxide. Journal of Materials Science: Materials in Electronics, 2017, 28, 16679-16688.	2.2	31
90	Effect of Sr doping on electrical properties of lead zirconate titanate nanoceramics. Ferroelectrics, 2017, 517, 104-112.	0.6	9

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91	Correlation between temperature dependent dielectric and DC resistivity of Cr substituted barium hexaferrite. <i>Materials Research Express</i> , 2017, 4, 126302.	1.6	27
92	Study of ferroelectric properties on PVDF-PZT nanocomposite. <i>Ferroelectrics</i> , 2017, 516, 18-27.	0.6	24
93	Multiple electrical phase transitions in Al substituted barium hexaferrite. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	42
94	Grain size and grain boundary effect on dielectric behavior of nanocrystalline cobalt ferrite. , 2017, , .		2
95	Band gap engineering of zinc substituted cobalt ferrite for optoelectronic applications. , 2017, , .		4
96	PVDF, barium hexaferrites and rGO nanocomposite for high energy density capacitor. , 2017, , .		0
97	Role of grain and grain boundary on the electrical and thermal conductivity of Bi <sub>0.9</sub> Y <sub>0.1</sub> Fe <sub>0.9</sub> Mn <sub>0.1</sub> O <sub>3</sub> ceramics. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
98	Impedance spectroscopy studies in cobalt ferrite-reduced graphene oxide nanocomposite. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	3
99	Magnetic behaviour studies on nanocrystalline cobalt ferrite by employing the Arrott plot. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	0
100	Dielectric investigations on co-substituted bismuth ferrite (Bi <sub>1-x</sub> La <sub>x</sub> Fe <sub>1-x</sub> Mn <sub>x</sub> O <sub>3</sub> ). <i>AIP Conference Proceedings</i> , 2016, , .	0.4	0
101	Correlation between AC and DC transport properties of Mn substituted cobalt ferrite. <i>Journal of Applied Physics</i> , 2016, 120, .	2.5	54
102	Enhanced ferroelectric and piezoelectric properties in La-modified PZT ceramics. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	21
103	Lattice strain induced magnetism in substituted nanocrystalline cobalt ferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 416, 335-341.	2.3	53
104	Grain size effect on activation energy in spinel CoFe <sub>2</sub> O <sub>4</sub> ceramic. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	2
105	Correlation between lattice strain and magnetic behavior in non-magnetic Ca substituted nano-crystalline cobalt ferrite. <i>Ceramics International</i> , 2016, 42, 6640-6647.	4.8	64
106	Enhanced Magnetic Properties Near MPB in Ho and Mn Co-Substituted Nanocrystalline BiFeO <sub>3</sub> . <i>Advanced Science Letters</i> , 2016, 22, 766-772.	0.2	0
107	Study of dielectric and impedance spectroscopy of La substituted nanocrystalline Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 1304-1310.	2.2	16
108	Effect of rhombohedral to orthorhombic transition on magnetic and dielectric properties of La and Ti co-substituted BiFeO <sub>3</sub> . <i>Smart Materials and Structures</i> , 2015, 24, 045028.	3.5	51



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109	Oxygen octahedra distortion induced structural and magnetic phase transitions in $\text{Bi}_{1-x}\text{Ca}_x\text{Fe}_1-x\text{Mn}_x\text{O}_3$ ceramics. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	107
110	Effect of structural phase transition on magnetic and optical properties of co-substituted bismuth ferrite. <i>Materials Science in Semiconductor Processing</i> , 2015, 31, 262-271.	4.0	15
111	Structural and magnetic properties of nanocrystalline yttrium substituted cobalt ferrite synthesized by the citrate precursor technique. <i>Advanced Powder Technology</i> , 2015, 26, 213-223.	4.1	57
112	Structural Analysis By Rietveld Method And Its Correlation With Optical Properties Of Nanocrystalline Zinc Oxide. <i>Advanced Materials Letters</i> , 2015, 6, 139-147.	0.6	56
113	Effect of $\text{Ho}^{3+}$ substitution on the cation distribution, crystal structure and magnetocrystalline anisotropy of nanocrystalline cobalt ferrite. <i>Journal of Experimental Nanoscience</i> , 2014, 9, 362-374.	2.4	31
114	Low Temperature and High Magnetic Field Dependence and Magnetic Properties of Nanocrystalline Cobalt Ferrite. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014, 27, 1677-1681.	1.8	44
115	Effect of structural transition on magnetic and dielectric properties of La and Mn co-substituted $\text{BiFeO}_3$ ceramics. <i>Materials Chemistry and Physics</i> , 2014, 148, 968-977.	4.0	70
116	Tuning of net magnetic moment in $\text{BiFeO}_3$ multiferroics by co-substitution of Nd and Mn. <i>Physica B: Condensed Matter</i> , 2014, 448, 90-95.	2.7	29
117	Non-linear behavior of coercivity to the maximum applied magnetic field in La substituted nanocrystalline cobalt ferrite. <i>Physica B: Condensed Matter</i> , 2014, 448, 38-42.	2.7	4
118	Effect of structural transition on magnetic and optical properties of Ca and Ti co-substituted $\text{BiFeO}_3$ ceramics. <i>Journal of Alloys and Compounds</i> , 2014, 584, 566-572.	5.5	112
119	Electrical properties of calcium modified PZT (52/48) ceramics. <i>Solid State Communications</i> , 2014, 190, 33-39.	1.9	31
120	Rietveld analysis of XRD patterns of different sizes of nanocrystalline cobalt ferrite. <i>International Nano Letters</i> , 2013, 3, 1.	5.0	195
121	Effect of non-magnetic substitution on the structural and magnetic properties of spinel cobalt ferrite ( $\text{CoFe}_2-x\text{Al}_x\text{O}_4$ ) ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2706-2715.	2.2	24
122	Influence of Mn substitution on crystal structure and magnetocrystalline anisotropy of nanocrystalline $\text{Co}_{1-x}\text{Mn}_x\text{Fe}_2-x\text{Mn}_2\text{O}_4$ . <i>Applied Nanoscience (Switzerland)</i> , 2013, 3, 75-82.	3.1	32
123	Cation distribution by Rietveld technique and magnetocrystalline anisotropy of Zn substituted nanocrystalline cobalt ferrite. <i>Journal of Alloys and Compounds</i> , 2013, 551, 72-81.	5.5	115
124	FERROMAGNETISM IN MECHANICALLY MILLED PURE $\text{SnO}_2$ . <i>International Journal of Modern Physics B</i> , 2013, 27, 1350025.	2.0	0
125	Structural stability of $\text{BiFeO}_3$ by chemical modification in Bi as well as Fe sites. , 2013, , .		1
126	Effect of excess bismuth on synthesis of bismuth ferrite. <i>AIP Conference Proceedings</i> , 2013, , .	0.4	2



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127	Conduction Mechanism by Using CBH Model in Fe <sup>3+</sup> and Mn <sup>3+</sup> Ion Modified Pb(Zr <sub>0.65</sub> A <sub>x</sub> Ti <sub>0.35</sub> )O <sub>3</sub> (A = Tj ETQq1 1 0.784314 rgB /Overlook	4.1	114
128	Structural and electromechanical study of Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -BaTiO <sub>3</sub> solid-solutions. Processing and Application of Ceramics, 2013, 7, 73-80.	0.8	19
129	Structural investigation and dielectric studies on Mn substituted Pb(Zr <sub>0.65</sub> Ti <sub>0.35</sub> )O <sub>3</sub> perovskite ceramics. Ceramics International, 2012, 38, 1549-1556.	4.8	6
130	Effect of La <sup>3+</sup> substitution on the structural and magnetocrystalline anisotropy of nanocrystalline cobalt ferrite (CoFe <sub>2</sub> La <sub>0.4</sub> ). Ceramics International, 2012, 38, 4771-4782.	4.8	149
131	Effect of Annealing Temperature and Preparation Condition on Magnetic Anisotropy in Nanocrystalline Cobalt Ferrite. IEEE Transactions on Magnetics, 2011, 47, 3645-3648.	2.1	41
132	Structural study of Zr doped PbTiO <sub>3</sub> materials by employing Rietveld method. Advanced Powder Technology, 2011, 22, 689-694.	4.1	10
133	Influence of Al <sup>3+</sup> ion concentration on the crystal structure and magnetic anisotropy of nanocrystalline spinel cobalt ferrite. Journal of Magnetism and Magnetic Materials, 2011, 323, 2042-2048.	2.3	157
134	STRUCTURAL TRANSITION OF NANOCRYSTALLINE TiO <sub>2</sub> . International Journal of Nanoscience, 2011, 10, 59-63.	0.7	2
135	Study of magneto-resistivity in La <sup>1-x</sup> Ag <sub>x</sub> MnO <sub>3</sub> compounds. Physica B: Condensed Matter, 2004, 348, 169-176.	2.7	59
136	Electrical resistivity and ac susceptibility studies in La <sup>1-x</sup> Ag <sub>x</sub> MnO <sub>3</sub> . Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 110, 46-51.	3.5	29
137	Metal-insulator transition in electron-doped Ba <sup>1-x</sup> La <sub>x</sub> MnO <sub>3</sub> compounds. Pramana - Journal of Physics, 2002, 58, 1009-1012.	1.8	8
138	Critical Behavior and Magnetocaloric Effect in Co <sub>2</sub> CrAl Heusler Alloy. Physica Status Solidi (B): Basic Research, 0, , .	1.5	1