

Manoranjan Kar

List of Publications by Year in descending order

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138
papers

3,139
citations

159585

30
h-index

182427

51
g-index

141
all docs

141
docs citations

141
times ranked

2485
citing authors

#	ARTICLE	IF	CITATIONS
1	Rietveld analysis of XRD patterns of different sizes of nanocrystalline cobalt ferrite. International Nano Letters, 2013, 3, 1.	5.0	195
2	Influence of Al ³⁺ 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
3	Effect of La ³⁺ substitution on the structural and magnetocrystalline anisotropy of nanocrystalline cobalt ferrite (CoFe ₂ ~La O ₄). Ceramics International, 2012, 38, 4771-4782.	4.8	149
4	Cation distribution by Rietveld technique and magnetocrystalline anisotropy of Zn substituted nanocrystalline cobalt ferrite. Journal of Alloys and Compounds, 2013, 551, 72-81.	5.5	115
5	Effect of structural transition on magnetic and optical properties of Ca and Ti co-substituted BiFeO ₃ ceramics. Journal of Alloys and Compounds, 2014, 584, 566-572.	5.5	112
6	Oxygen octahedra distortion induced structural and magnetic phase transitions in Bi _{1-x} CaxFe _{1-x} MnxO ₃ ceramics. Journal of Applied Physics, 2015, 117, .	2.5	107
7	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
8	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
9	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
10	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
11	Effect of structural transition on magnetic and dielectric properties of La and Mn co-substituted BiFeO ₃ ceramics. Materials Chemistry and Physics, 2014, 148, 968-977.	4.0	70
12	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
13	Correlation between lattice strain and magnetic behavior in non-magnetic Ca substituted nano-crystalline cobalt ferrite. Ceramics International, 2016, 42, 6640-6647.	4.8	64
14	Study of magneto-resistivity in La _{1-x} Ag _x MnO ₃ compounds. Physica B: Condensed Matter, 2004, 348, 169-176.	2.7	59
15	Structural and magnetic properties of nanocrystalline yttrium substituted cobalt ferrite synthesized by the citrate precursor technique. Advanced Powder Technology, 2015, 26, 213-223.	4.1	57
16	Structural Analysis By Rietveld Method And Its Correlation With Optical Propertis Of Nanocrystalline Zinc Oxide. Advanced Materials Letters, 2015, 6, 139-147.	0.6	56
17	Correlation between AC and DC transport properties of Mn substituted cobalt ferrite. Journal of Applied Physics, 2016, 120, .	2.5	54
18	Lattice strain induced magnetism in substituted nanocrystalline cobalt ferrite. Journal of Magnetism and Magnetic Materials, 2016, 416, 335-341.	2.3	53

#	ARTICLE	IF	CITATIONS
19	Effect of rhombohedral to orthorhombic transition on magnetic and dielectric properties of La and Ti co-substituted BiFeO ₃ . Smart Materials and Structures, 2015, 24, 045028.	3.5	51
20	Low Temperature and High Magnetic Field Dependence and Magnetic Properties of Nanocrystalline Cobalt Ferrite. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1677-1681.	1.8	44
21	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
22	Multiple electrical phase transitions in Al substituted barium hexaferrite. Journal of Applied Physics, 2017, 122, .	2.5	42
23	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
24	Strain induced magnetism and superexchange interaction in Cr substituted nanocrystalline cobalt ferrite. Materials Chemistry and Physics, 2018, 211, 54-64.	4.0	38
25	Effect of hot press temperature on $\sqrt{2}$ -phase, dielectric and ferroelectric properties of solvent casted Poly(vinylidene fluoride) films. Materials Research Express, 2019, 6, 095306.	1.6	37
26	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
27	Lattice strain induced multiferroicity in PZT-CFO particulate composite. Journal of Applied Physics, 2018, 123, .	2.5	35
28	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
29	Influence of Mn substitution on crystal structure and magnetocrystalline anisotropy of nanocrystalline Co _{1-x} Mn _x Fe _{2-2x} Mn _{2x} O ₄ . Applied Nanoscience (Switzerland), 2013, 3, 75-82.	3.1	32
30	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
31	Effect of Ho ³⁺ substitution on the cation distribution, crystal structure and magnetocrystalline anisotropy of nanocrystalline cobalt ferrite. Journal of Experimental Nanoscience, 2014, 9, 362-374.	2.4	31
32	Electrical properties of calcium modified PZT (52/48) ceramics. Solid State Communications, 2014, 190, 33-39.	1.9	31
33	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
34	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
35	Electrical resistivity and ac susceptibility studies in La _{1-x} Ag _x MnO ₃ . Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 110, 46-51.	3.5	29
36	Tuning of net magnetic moment in BiFeO ₃ multiferroics by co-substitution of Nd and Mn. Physica B: Condensed Matter, 2014, 448, 90-95.	2.7	29

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37	Electrical Properties and Dipole Relaxation Behavior of Zinc-Substituted Cobalt Ferrite. Journal of Electronic Materials, 2017, 46, 6884-6894.	2.2	27
38	Correlation between temperature dependent dielectric and DC resistivity of Cr substituted barium hexaferrite. Materials Research Express, 2017, 4, 126302.	1.6	27
39	Lattice strain caused magnetism and magnetocrystalline anisotropy in Zn modified barium hexaferrite. Physica B: Condensed Matter, 2020, 588, 412200.	2.7	27
40	Effect of non-magnetic substitution on the structural and magnetic properties of spinel cobalt ferrite (CoFe ₂ Al _x O ₄) ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 2706-2715.	2.2	24
41	Study of ferroelectric properties on PVDF-PZT nanocomposite. Ferroelectrics, 2017, 516, 18-27.	0.6	24
42	Structural, magnetic, and electrical properties of (1-x)Bi _{0.85} La _{0.15} FeO ₃ -(x)CoFe ₂ O ₄ multiferroic composites. Journal of Physics and Chemistry of Solids, 2018, 115, 42-48.	4.0	24
43	Effect of (Ni-Ag) co-doping on crystal structure and magnetic Property of SnO ₂ . Materials Research Express, 2019, 6, 126107.	1.6	22
44	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
45	Enhanced ferroelectric and piezoelectric properties in La-modified PZT ceramics. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	21
46	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
47	Impedance and DC resistivity studies on chromium substituted cobalt ferrite. Journal of Materials Science: Materials in Electronics, 2017, 28, 10652-10673.	2.2	20
48	Optimization of dielectric properties of PVDF/CFO nanocomposites. Polymer Composites, 2019, 40, 1239-1250.	4.6	20
49	Grain size effect on magnetic and dielectric properties of barium hexaferrite (BHF). Physica B: Condensed Matter, 2020, 579, 411908.	2.7	20
50	Piezoelectric and mechanical properties of PVDF-PZT composite. Ferroelectrics, 2020, 558, 59-66.	0.6	19
51	Surface magnetic interactions between Bi _{0.85} La _{0.15} FeO ₃ and BaFe ₁₂ O ₁₉ nanomaterials in (1-x)Bi _{0.85} La _{0.15} FeO ₃ -(x)BaFe ₁₂ O ₁₉ nanocomposites. Journal of Magnetism and Magnetic Materials, 2020, 508, 166862.	2.3	19
52	Structural and electromechanical study of Bi _{0.5} Na _{0.5} TiO ₃ -BaTiO ₃ solid-solutions. Processing and Application of Ceramics, 2013, 7, 73-80.	0.8	19
53	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
54	Study of dielectric and impedance spectroscopy of La substituted nanocrystalline Pb(Zr _{0.52} Ti _{0.48})O ₃ ceramics. Journal of Materials Science: Materials in Electronics, 2015, 26, 1304-1310.	2.2	16

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55	Surface anisotropy induced magnetism in BaTiO ₃ -CoFe ₂ O ₄ (BTO-CFO) nanocomposite. Journal of Magnetism and Magnetic Materials, 2018, 465, 93-99.	2.3	16
56	Octahedral distortion due to oxygen vacancy reduction in La ³⁺ modified BNT-BTO solid solutions near morphotropic phase boundary. Journal Physics D: Applied Physics, 2018, 51, 375301.	2.8	16
57	Correlation between lattice strain and physical (magnetic, dielectric, and magnetodielectric) properties of perovskite-spinel (Bi _{0.85} La _{0.15} FeO ₃) _{1-x} (NiFe ₂ O ₄) _x composites. Journal of Applied Physics, 2019, 125, 244105.	2.5	16
58	Effect of structural phase transition on magnetic and optical properties of co-substituted bismuth ferrite. Materials Science in Semiconductor Processing, 2015, 31, 262-271.	4.0	15
59	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
60	Crystal structure, magnetic and dielectric properties of (1-x) BiFe _{0.80} Ti _{0.20} O ₃ - xCo _{0.5} Ni _{0.5} Fe ₂ O ₄ multiferroic composites. Journal of Alloys and Compounds, 2018, 762, 668-677.	5.5	14
61	Effect of annealing temperature on morphology and magnetic properties of cobalt ferrite nanofibers. Materials Research Express, 2019, 6, 1250a3.	1.6	13
62	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
63	Correlation between Critical Behavior and Magnetocaloric Effect near Paramagnetic to Ferromagnetic Phase Transition of Co ₂ TiAl _{0.75} Si _{0.25} Heusler Alloy. Physica Status Solidi (B): Basic Research, 2020, 257, 2000123.	1.5	11
64	Structural study of Zr doped PbTiO ₃ materials by employing Rietveld method. Advanced Powder Technology, 2011, 22, 689-694.	4.1	10
65	Structural and Electrical Properties of CFO Nanoparticle- Filled PVA. Journal of Electronic Materials, 2019, 48, 3612-3623.	2.2	10
66	Magnetic interaction between BHF (BaFe ₁₂ O ₁₉) and BTO (BaTiO ₃) in BTO - BHF nanocomposite. Journal of Magnetism and Magnetic Materials, 2020, 498, 166100.	2.3	10
67	Impact of In ³⁺ 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
68	Optimization of magnetic properties and hyperthermia study on soft magnetic nickel ferrite fiber. Physica B: Condensed Matter, 2021, 621, 413280.	2.7	10
69	Magnetic interaction between soft and hard ferrimagnetic phases in BaFe ₁₂ O ₁₉ -CuFe ₂ O ₄ composite. Physica Scripta, 2022, 97, 035809.	2.5	10
70	Effect of Sr doping on electrical properties of lead zirconate titanate nanoceramics. Ferroelectrics, 2017, 517, 104-112.	0.6	9
71	Double crystal symmetries and magnetic orderings in co-substituted (Y and Mn) bismuth ferrite. Ceramics International, 2018, 44, 18609-18616.	4.8	9
72	Evidence of compositional fluctuation induced relaxor antiferroelectric to antiferroelectric ordering in Bi _{0.5} Na _{0.5} TiO ₃ -Bi _{0.5} K _{0.5} TiO ₃ based lead free ferroelectric. Journal of Materials Science: Materials in Electronics, 2019, 30, 9547-9557.	2.2	9

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73	Microstructure-dependent electrical properties of $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3\text{-BaTiO}_3\text{-SrTiO}_3$ ternary solid solution. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 6607-6622.	2.2	9
74	Enhancement of coercivity of M-type barium hexaferrite by Ho doping. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	9
75	Metal-insulator transition in electron-doped $\text{Ba}_{1-x}\text{La}_x\text{MnO}_3$ compounds. <i>Pramana - Journal of Physics</i> , 2002, 58, 1009-1012.	1.8	8
76	Modification in crystal structure of copper ferrite fiber by annealing and its hyperthermia application. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	8
77	Sweep-Rate Dependence of the Large Magnetocaloric Effect across the Magnetostructural Transition in the $\text{Mn}_{0.6}\text{Ni}_{0.4}\text{Co}_{0.1}\text{Mn}_{0.3}\text{Ti}_{0.1}\text{O}_3$ relaxor. <i>Journal of Applied Physics</i> , 2021, 124, 104103.	2.5	7
78	Effect of Nd Doping on Dielectric and Impedance Properties of PZT Nanoceramics. <i>Journal of Electronic Materials</i> , 2018, 47, 2861-2870.	2.2	7
79	Effect of Ti substitution in place of Fe on crystal symmetries and magnetic properties of $\text{Bi}_{0.850}\text{La}_{0.150}\text{FeO}_3$. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 119, 107-113.	4.0	7
80	Magnetic interaction between ferrimagnetic CoFe_2O_4 and antiferromagnetic NiO in nanocomposite. <i>Physica B: Condensed Matter</i> , 2018, 530, 114-120.	2.7	7
81	PVDF, Barium Hexaferrites, and rGO Nanocomposite for High Energy Density Capacitor. <i>IEEE Nanotechnology Magazine</i> , 2018, 17, 1129-1132.	2.0	7
82	Scaling behavior of dynamic ferroelectric hysteresis for semiconductor-relaxor ($0\text{-}3$) type $\text{ZnO-(Bi}_{0.5}\text{Na}_{0.5})_{0.94}\text{Ba}_{0.06}\text{TiO}_3$ composite. <i>Journal of Applied Physics</i> , 2020, 127, 104103.	2.5	7
83	Magnetocaloric effect and critical magnetic behavior in Ni-rich $\text{Ni}_{1-x}\text{Mn}_x\text{Sn}$ full Heusler alloy. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	7
84	Structural investigation and dielectric studies on Mn substituted $\text{Pb(Zr}_{0.65}\text{Ti}_{0.35})\text{O}_3$ perovskite ceramics. <i>Ceramics International</i> , 2012, 38, 1549-1556.	4.8	6
85	Metal to semimetal transition and magnetic critical behavior at room temperature in the full Heusler alloy $\text{Fe}_{2-x}\text{MnSi}$. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 505002.	2.8	6
86	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. <i>Materials Research Express</i> , 2019, 6, 095521.	1.6	5
87	Crystal structure and magnetic properties study on ferromagnet $\text{Fe}_2\text{MnSi}_{0.75}\text{Al}_{0.25}$ Heusler alloy. <i>Physica B: Condensed Matter</i> , 2020, 579, 411805.	2.7	5
88	Tuning optical and optoelectronic properties of gold nanoparticle and ZnO thin film hetero-structures. <i>Nano Express</i> , 2020, 1, 030037.	2.4	5
89	Visible light photoconductivity studies of gold nanoparticle embedded ZnO thin films for photo detector application. <i>Semiconductor Science and Technology</i> , 2020, 35, 115004.	2.0	5
90	Structural, magnetic and optical properties of $(0.45)\text{Ni}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4 + (0.55)\text{BaFe}_{12}\text{O}_{19}$ composite. <i>Materials Today: Proceedings</i> , 2022, , .	1.8	5

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91	Magnetic properties and hyperthermia action of cobalt zinc ferrite fibers. Journal of Sol-Gel Science and Technology, 2022, 101, 546-561.	2.4	5
92	Tuning of reduced remanent and (BH)max by exchange spring phenomenon in ferrimagnetic composite. Journal of Magnetism and Magnetic Materials, 2022, 560, 169569.	2.3	5
93	Non-linear behavior of coercivity to the maximum applied magnetic field in La substituted nanocrystalline cobalt ferrite. Physica B: Condensed Matter, 2014, 448, 38-42.	2.7	4
94	High-Temperature Magnetic Behaviour of 10 % Aluminium-Substituted Cobalt Ferrite. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1629-1634.	1.8	4
95	CFO-Graphene nano composite for High Performance Electrode Material. Materials Today: Proceedings, 2017, 4, 5651-5656.	1.8	4
96	Existence of multi crystallographic phase in BNT-BTO solid solution near morphotropic phase boundary (MPB). AIP Conference Proceedings, 2017, , .	0.4	4
97	Band gap engineering of zinc substituted cobalt ferrite for optoelectronic applications. , 2017, , .		4
98	Crystal structure and magnetic properties of Cr doped barium hexaferrite. AIP Conference Proceedings, 2018, , .	0.4	4
99	Room temperature magneto-caloric effect and electron transport properties study on Ni _{2.14} Mn _{0.55} Sb _{1.31} alloy. Journal of Alloys and Compounds, 2020, 843, 156033.	5.5	4
100	Study of magnetic interaction between hard and soft magnetic ferrite in the nanocomposite. AIP Conference Proceedings, 2020, , .	0.4	4
101	Room temperature magnetic biasing in Bi _{0.85} La _{0.15} FeO ₃ and BaTiO ₃ composite. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	4
102	Conduction Mechanism by Using CBH Model in Fe ³⁺ and Mn ³⁺ Ion Modified Pb(Zr _{0.65} A _x Ti _{0.35})O ₃ (A =) Tj ETQq0 0 0 rgBT1/Overlook 10 Tf 50		
103	Impedance spectroscopy studies in cobalt ferrite-reduced graphene oxide nanocomposite. AIP Conference Proceedings, 2016, , .	0.4	3
104	Raman Characterization of polycrystalline barium hexaferrite nanoparticles: SERS of nanoparticles in powder form. Physica B: Condensed Matter, 2020, 579, 411833.	2.7	3
105	Nonstoichiometric charge defect induced relaxor antiferroelectric ordering in La modified Bi _{0.5} (Na _{0.80} K _{0.20}) _{0.5} TiO ₃ relaxor ferroelectric. Journal of Physics Condensed Matter, 2020, 32, 045404.	1.8	3
106	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
107	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
108	Structural and magnetic property analysis of bulk and nanocrystalline Ni _{1.8} Mn _{1.2} Sn Heusler alloy. Journal of Magnetism and Magnetic Materials, 2022, 544, 168656.	2.3	3

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109	STRUCTURAL TRANSITION OF NANOCRYSTALLINE TiO_2 . International Journal of Nanoscience, 2011, 10, 59-63.	0.7	2
110	Effect of excess bismuth on synthesis of bismuth ferrite. AIP Conference Proceedings, 2013, , .	0.4	2
111	Grain size effect on activation energy in spinel CoFe_2O_4 ceramic. AIP Conference Proceedings, 2016, , .	0.4	2
112	Grain size and grain boundary effect on dielectric behavior of nanocrystalline cobalt ferrite. , 2017, , .		2
113	Multiple electrical phase transitions in nanocrystalline aluminium-substituted cobalt ferrite. International Journal of Modern Physics B, 2018, 32, 1850358.	2.0	2
114	Simultaneous effect of crystal lattice and non magnetic substitution on magnetic properties of barium hexaferrite. AIP Conference Proceedings, 2018, , .	0.4	2
115	Ferroelectric like behavior in Cr substituted cobalt ferrite. AIP Conference Proceedings, 2018, , .	0.4	2
116	Evidence of magnetic interaction between $\text{BaFe}_{12}\text{O}_{19}$ and CuFe_2O_4 in the nanocomposite. AIP Conference Proceedings, 2020, , .	0.4	2
117	Magnetic phase diagram of BHF-NZFO composite at room temperature. Ceramics International, 2022, 48, 30574-30581.	4.8	2
118	Structural stability of BiFeO_3 by chemical modification in Bi as well as Fe sites. , 2013, , .		1
119	Structural, dielectric, impedance and conductivity studies of $\text{Ba}(\text{Fe}_{0.5}\text{Nb}_{0.5})\text{O}_3$ nanomaterial prepared by the mechanochemical method. Ferroelectrics, 2018, 537, 198-213.	0.6	1
120	AC and DC conductivity study on Ca substituted bismuth ferrite. AIP Conference Proceedings, 2018, , .	0.4	1
121	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
122	Reduction of depolarization field effect on ferroelectric switching process in semiconductor-relaxor ferroelectric composite. Journal of Applied Physics, 2022, 131, 154102.	2.5	1
123	Critical Behavior and Magnetocaloric Effect in Co_2CrAl Heusler Alloy. Physica Status Solidi (B): Basic Research, 0, , .	1.5	1
124	Study of dipole polarization in Zn doped barium hexaferrite. Materials Today: Proceedings, 2022, 66, 1862-1864.	1.8	1
125	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
126	FERROMAGNETISM IN MECHANICALLY MILLED PURE SnO_2 . International Journal of Modern Physics B, 2013, 27, 1350025.	2.0	0

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127	Magnetic behaviour studies on nanocrystalline cobalt ferrite by employing the Arrott plot. AIP Conference Proceedings, 2016, , .	0.4	0
128	Dielectric investigations on co-substituted bismuth ferrite (Bi _{1-x} La _x Fe _{1-x} Mn _x O ₃). AIP Conference Proceedings, 2016, , .	0.4	0
129	Enhanced dielectric of PVDF-CoFe _{1.5} Cr _{0.5} O ₄ for capacitor application. AIP Conference Proceedings, 2017, , .	0.4	0
130	Competition between strain and superexchange mediated magnetism in modified cobalt ferrite. AIP Conference Proceedings, 2017, , .	0.4	0
131	PVDF, barium hexaferrites and rGO nanocomposite for high energy density capacitor. , 2017, , .		0
132	Study of hopping type conduction from AC conductivity in multiferroic composite. AIP Conference Proceedings, 2018, , .	0.4	0
133	Compositional Fluctuation Induced Relaxor Antiferroelectric Ordering in La Modified (Bi _{0.5} Na _{0.5}) _{0.94} Ba _{0.06} TiO ₃ : Effect of Polar Nanoregions. , 2019, , .		0
134	Effect of Fe Concentration on Ferroelectric and Magnetic Properties of Lead Iron Niobate. Journal of Electronic Materials, 2020, 49, 5631-5637.	2.2	0
135	Magnetic critical behaviour study on Fe ₂ MnSi _{0.5} Al _{0.5} Heusler alloy. AIP Conference Proceedings, 2020, , .	0.4	0
136	Enhanced Magnetic Properties Near MPB in Ho and Mn Co-Substituted Nanocrystalline BiFeO ₃ . Advanced Science Letters, 2016, 22, 766-772.	0.2	0
137	Role of grain and grain boundary on the electrical and thermal conductivity of Bi _{0.9} Y _{0.1} Fe _{0.9} Mn _{0.1} O ₃ ceramics. AIP Conference Proceedings, 2017, , .	0.4	0
138	NiMnSn half Heusler alloy: Critical phenomena at the ferromagnetic to paramagnetic phase transition. Materials Today: Proceedings, 2022, , .	1.8	0