

# Pabitra K Chakrabarti

## List of Publications by Year in descending order

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104  
papers

2,095  
citations

236925

25  
h-index

289244

40  
g-index

104  
all docs

104  
docs citations

104  
times ranked

1899  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiferroic behavior of lanthanum orthoferrite (LaFeO <sub>3</sub> ). Materials Letters, 2010, 64, 415-418.	2.6	229
2	Multiferroic behavior, enhanced magnetization and exchange bias effect of Zn substituted nanocrystalline LaFeO <sub>3</sub> (La(1-x)Zn <sub>x</sub> FeO <sub>3</sub> , x=0.10, and 0.30). Journal of Magnetism and Magnetic Materials, 2013, 329, 133-141.	2.3	94
3	XRD, HRTEM and magnetic properties of mixed spinel nanocrystalline Ni <sup>2+</sup> Zn <sup>2+</sup> Cu-ferrite. Journal of Alloys and Compounds, 2009, 473, 15-19.	5.5	90
4	Microwave Absorption and the Magnetic Hyperthermia Applications of Li <sub>0.3</sub> Zn <sub>0.3</sub> Co <sub>0.1</sub> Fe <sub>2.3</sub> O <sub>4</sub> Nanoparticles in Multiwalled Carbon Nanotube Matrix. ACS Applied Materials & Interfaces, 2017, 9, 40831-40845.	8.0	62
5	Simultaneous Administration of Adjuvant Donor Bone Marrow in Pancreas Transplant Recipients. Annals of Surgery, 1999, 230, 372.	4.2	57
6	Some interesting observations on the magnetic and electric properties of doped lanthanum orthoferrite (La <sub>1-x</sub> Ln <sub>x</sub> FeO <sub>3</sub> ). Solid State Communications, 2010, 150, 1234-1237.	1.9	55
7	Magnetic and enhanced microwave absorption properties of nanoparticles of Li <sub>0.32</sub> Zn <sub>0.26</sub> Cu <sub>0.1</sub> Fe <sub>2.32</sub> O <sub>4</sub> encapsulated in carbon nanotubes. Materials Letters, 2013, 95, 145-148.	2.6	44
8	Enhanced magnetic property and phase transition in Ho <sup>3+</sup> doped LaFeO <sub>3</sub> . Materials Letters, 2016, 169, 160-163.	2.6	41
9	Enhanced magnetic behavior of Al substituted LaFeO <sub>3</sub> (La(1-x)Al <sub>x</sub> FeO <sub>3</sub> , x=0.10 and 0.30). Materials Letters, 2011, 65, 1280-1282.	2.6	40
10	Magnetic and hyperfine properties of nanocrystalline Ni <sub>0.2</sub> Zn <sub>0.6</sub> Cu <sub>0.2</sub> Fe <sub>2</sub> O <sub>4</sub> prepared by a chemical route. Journal of Physics Condensed Matter, 2006, 18, 5253-5267.	1.8	39
11	Sol-gel derived nanoparticles of Zn substituted lithium ferrite (Li <sub>0.32</sub> Zn <sub>0.36</sub> Fe <sub>2.32</sub> O <sub>4</sub> ): magnetic and Mössbauer effect measurements and their theoretical analysis. Journal of Magnetism and Magnetic Materials, 2012, 324, 1317-1325.	2.3	39
12	Modulated magnetic property, enhanced microwave absorption and Mössbauer spectroscopy of Ni <sub>0.40</sub> Zn <sub>0.40</sub> Cu <sub>0.20</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles embedded in carbon nanotubes. Journal of Alloys and Compounds, 2013, 576, 126-133.	5.5	39
13	Studies of magnetic, Mössbauer spectroscopy, microwave absorption and hyperthermia behavior of Ni-Zn-Co-ferrite nanoparticles encapsulated in multi-walled carbon nanotubes. Journal of Magnetism and Magnetic Materials, 2018, 460, 12-27.	2.3	38
14	Mössbauer, X-ray diffraction and AC susceptibility studies on nanoparticles of zinc substituted magnesium ferrite. European Physical Journal B, 2004, 39, 417-425.	1.5	36
15	Dynamic magnetic behaviour and Mössbauer effect measurements of magnetite nanoparticles prepared by a new technique in the co-precipitation method. Solid State Communications, 2009, 149, 1790-1794.	1.9	36
16	Paramagnetic to ferromagnetic phase transition of Co doped Gd <sub>2</sub> O <sub>3</sub> prepared by chemical route. Journal of Alloys and Compounds, 2016, 656, 339-346.	5.5	35
17	Vacancy mediated room temperature ferromagnetism in Co-doped Dy <sub>2</sub> O <sub>3</sub> . Applied Physics Letters, 2012, 100, .	3.3	34
18	Microstructural, magnetic and crystal field investigations of nanocrystalline Dy <sup>3+</sup> doped zinc oxide. Solid State Sciences, 2010, 12, 448-454.	3.2	33

#	ARTICLE	IF	CITATIONS
19	Simultaneous enhancement of magnetic and ferroelectric properties of LaFeO <sub>3</sub> by co-doping with Dy <sup>3+</sup> and Ti <sup>4+</sup> . Journal of Alloys and Compounds, 2017, 726, 1195-1204.	5.5	33
20	Static and dynamic magnetic behavior of nanocrystalline and nanocomposites of (Mn <sub>0.6</sub> Zn <sub>0.4</sub> Fe <sub>2</sub> O <sub>4</sub> )(1-x)(SiO <sub>2</sub> )z (z=0.0,0.10,0.15,0.25). Journal of Applied Physics, 2010, 108, .	2.5	32
21	Modulation of magnetic and dielectric property of LaFeO <sub>3</sub> by simultaneous doping with Ca <sup>2+</sup> and Co <sup>2+</sup> -ions. Journal of Alloys and Compounds, 2018, 743, 274-282.	5.5	32
22	Effect of cation distribution on the magnetic and hyperfine behaviour of nanocrystalline Co doped Ni <sup>2+</sup> Zn ferrite (Ni <sub>0.4</sub> Zn <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>2</sub> O <sub>4</sub> ). Materials Research Bulletin, 2016, 76, 389-401.	5.2	31
23	Improved magneto-electric properties of LaFeO <sub>3</sub> in La <sub>0.8</sub> Gd <sub>0.2</sub> Fe <sub>0.97</sub> Nb <sub>0.03</sub> O <sub>3</sub> . Ceramics International, 2018, 44, 4442-4449.	4.8	31
24	Magnetic properties and bio-medical applications in hyperthermia of lithium zinc ferrite nanoparticles integrated with reduced graphene oxide. Journal of Applied Physics, 2018, 123, .	2.5	29
25	Defect induced room temperature ferromagnetism and optical properties of (Co, Y) co-doped ZnO nanoparticles. Journal of Magnetism and Magnetic Materials, 2019, 485, 419-426.	2.3	28
26	Sol-gel derived nanocrystalline multiferroic BiFeO <sub>3</sub> and R <sup>3+</sup> (R=Er and Tm) doped therein: Magnetic phase transitions and enhancement of magnetic properties. Journal of Magnetism and Magnetic Materials, 2012, 324, 4209-4218.	2.3	27
27	Enhanced magneto-electric property of GaFeO <sub>3</sub> in Ga(1-x)Zn <sub>x</sub> FeO <sub>3</sub> (x=0, 0.05, 0.10). Physica B: Condensed Matter, 2014, 448, 214-218.	2.7	25
28	Preparation and characterizations of SiO <sub>2</sub> -coated nanoparticles of Mn <sub>0.4</sub> Zn <sub>0.6</sub> Fe <sub>2</sub> O <sub>4</sub> . Journal of Magnetism and Magnetic Materials, 2009, 321, 169-174.	2.3	24
29	Enhanced Magnetic Behavior of Chemically Prepared Multiferroic Nanoparticles of GaFeO <sub>3</sub> in (GaFeO <sub>3</sub> ) <sub>0.50</sub> (Ni <sub>0.4</sub> Zn <sub>0.4</sub> Cu <sub>0.2</sub> Fe <sub>2</sub> O <sub>4</sub> ) <sub>0.50</sub> Nanocomposite. Journal of Physical Chemistry C, 2012, 116, 4948-4956.	3.1	24
30	Enhanced microwave absorption and magnetic phase transitions of nanoparticles of multiferroic LaFeO <sub>3</sub> incorporated in multiwalled carbon nanotubes (MWCNTs). Journal of Magnetism and Magnetic Materials, 2017, 435, 117-125.	2.3	24
31	Magnetic studies on erbium bromate and the crystal field. Journal of Magnetism and Magnetic Materials, 1994, 136, 118-126.	2.3	23
32	XRD, HRTEM, Raman and magnetic studies on chemically prepared nanocrystalline Fe-doped gadolinium oxide (Gd <sub>1.90</sub> Fe <sub>0.10</sub> O <sub>3</sub> ) annealed in vacuum. RSC Advances, 2016, 6, 6395-6404.	3.6	23
33	Magnetic Energy Morphing, Capacitive Concept for Ni <sub>0.3</sub> Zn <sub>0.4</sub> Ca <sub>0.3</sub> Fe <sub>2</sub> O <sub>4</sub> Nanoparticles Embedded in Graphene Oxide Matrix, and Studies of Wideband Tunable Microwave Absorption. ACS Applied Materials & Interfaces, 2021, 13, 46967-46979.	8.0	23
34	Effect of multiferroic BiFeO <sub>3</sub> nanoparticles on electro-optical and dielectric properties of a partially fluorinated orthoconic antiferroelectric liquid crystal mixture. Europhysics Letters, 2011, 96, 47003.	2.0	22
35	Soft magnetic property and enhanced microwave absorption of nanoparticles of Co <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> incorporated in MWCNT. Journal of Magnetism and Magnetic Materials, 2016, 416, 181-187.	2.3	22
36	Room temperature magnetic ordering and analysis by bound magnetic polaron model of Yb <sup>3+</sup> doped nanocrystalline zinc oxide (Zn <sub>0.98</sub> Yb <sub>0.02</sub> O). Materials Research Bulletin, 2018, 104, 6-14.	5.2	22

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37	Magnetic and hyperfine properties of chemically synthesized nanocomposites of $(\text{Al}_2\text{O}_3)_x(\text{Ni}_{0.2}\text{Zn}_{0.6}\text{Cu}_{0.2}\text{Fe}_2\text{O}_4)_{(1-x)}$ ( $x=0.15, 0.30, 0.45$ ). <i>Solid State Communications</i> , 2007, 144, 305-309.	1.9	21
38	XRD analysis, Raman, AC conductivity and dielectric properties of Co and Mn-doped $\text{SnO}_2$ nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	21
39	Room temperature ferromagnetism in Fe-doped europium oxide ( $\text{Eu}_{1.90}\text{Fe}_{0.10}\text{O}_3$ ). <i>Journal of Alloys and Compounds</i> , 2014, 611, 324-328.	5.5	20
40	Magnetic property, Mössbauer spectroscopy and microwave reflection loss of maghemite nanoparticles ( $\text{Fe}_3\text{O}_4$ ) encapsulated in carbon nanotubes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 196, 44-52.	3.5	19
41	Microstructural analysis and paramagnetic to ferromagnetic phase transition of chemically synthesized nanoparticles of Tb-doped ZnO. <i>Journal of Materials Science</i> , 2012, 47, 2284-2293.	3.7	18
42	Microstructural analysis, optical and magnetic properties of nanocrystalline Ni doped $\text{Dy}_2\text{O}_3$ . <i>Materials Chemistry and Physics</i> , 2019, 227, 332-339.	4.0	18
43	Enhanced magneto-electric property and exchange bias effect of Zn substituted $\text{LaFeO}_3$ ( $\text{La}_{0.50}\text{Zn}_{0.50}\text{FeO}_3$ ). <i>Materials Letters</i> , 2015, 159, 9-11.	2.6	17
44	Microstructural Investigation, Raman and Magnetic Studies on Chemically Synthesized Nanocrystalline Ni-Doped Gadolinium Oxide ( $\text{Gd}_{1.90}\text{Ni}_{0.10}\text{O}_3$ ). <i>Journal of Electronic Materials</i> , 2018, 47, 1768-1779.	2.2	16
45	XRD, HRTEM, magnetic and Mössbauer studies on chemically prepared $\text{Fe}^{3+}$ -doped nanoparticles of cerium oxide. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 2701-2706.	2.3	14
46	Micro-structural investigations and paramagnetic susceptibilities of zinc oxide, europium oxide and their nanocomposite. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 283-289.	2.3	14
47	Synthesis, characterization and magnetic property of maghemite ( $\text{Fe}_3\text{O}_4$ ) nanoparticles and their protective coating with pepsin for bio-functionalization. <i>Materials Research Bulletin</i> , 2015, 70, 145-154.	5.2	14
48	Magnetic behavior of $\text{Ho}^{3+}$ in $\text{HoAl}_3(\text{BO}_3)_4$ . <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 154, 127-132.	2.3	13
49	Magnetic measurements and crystal field investigations on $\text{Yb}(\text{BrO}_3)_3 \cdot 9\text{H}_2\text{O}$ . <i>Physica Status Solidi (B): Basic Research</i> , 1996, 194, 717-721.	1.5	13
50	Multiferroicity in $\text{La}_{1/2}\text{Nd}_{1/2}\text{FeO}_3$ nanoparticles. <i>Solid State Sciences</i> , 2014, 37, 55-63.	3.2	13
51	Magnetic phase transition of nanocrystalline Fe-doped samarium oxide ( $\text{Sm}_{1.90}\text{Fe}_{0.10}\text{O}_3$ ). <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 371, 35-42.	2.3	13
52	Microstructure investigation, optical properties and magnetic phase transition of $\text{Tm}^{3+}$ substituted nanocrystalline ZnO ( $\text{Zn}_{0.95}\text{Tm}_{0.05}\text{O}$ ). <i>RSC Advances</i> , 2016, 6, 101818-101826.	3.6	13
53	Enhanced magnetic and ferroelectric properties of $\text{La}_{0.9}\text{Tb}_{0.1}\text{FeO}_3$ . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019, 240, 140-146.	3.5	13
54	Magnetic measurements and crystal field investigation on single crystals of $\text{Er}(\text{CF}_3\text{SO}_3)_3 \cdot 9\text{H}_2\text{O}$ . <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 553-558.	2.3	12

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55	Magnetic and Mössbauer Effect Study of $(\text{Co}_{0.5}\text{Zn}_{0.4}\text{Cu}_{0.1}\text{Fe}_2\text{O}_4)_{1-x}(\text{Al}_2\text{O}_3)_x$ ( $x = 0$ and $0.30$ ) Synthesized by Sonochemical Route. <i>Journal of Physical Chemistry C</i> , 2010, 114, 14763-14771.	3.1	12
56	Magnetic and Mössbauer Studies of Bare and Encapsulated Nanoparticles of $[(\text{Co}_{0.2}\text{Mn}_{0.3}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4)_{1-x}(\text{ZnO/PVA})_x]$ ( $x = 0$ and $0.30$ ). <i>Journal of Physical Chemistry C</i> , 2013, 117, 12787-12799.	3.1	12
57	Rietveld analysis, enhanced magnetic, dielectric and ferroelectric properties of $\text{Gd}^{3+}$ and $\text{Ti}^{4+}$ co-doped $\text{LaFeO}_3$ multiferroic. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 264, 114810.	3.5	12
58	Synthesis, structural characterization, and studies of magnetic and dielectric properties of $\text{Gd}^{3+}$ doped cerium oxide ( $\text{Ce}_{0.90}\text{Gd}_{0.10}\text{O}_2$ ). <i>Journal of Alloys and Compounds</i> , 2021, 865, 158838.	5.5	12
59	Multiferroic properties and magnetoelectric coupling observed in nanocrystalline $\text{HoFeO}_3$ . <i>Journal of Alloys and Compounds</i> , 2022, 907, 164443.	5.5	12
60	Magnetism of neodymium trifluoromethanesulfonate nonahydrate and effects of the crystal field. <i>Journal of Physics and Chemistry of Solids</i> , 1999, 60, 709-713.	4.0	11
61	XRD, HRTEM, magnetic, dielectric and enhanced microwave reflection loss of $\text{GaFeO}_3$ nanoparticles encapsulated in multi-walled carbon nanotubes. <i>Ceramics International</i> , 2016, 42, 3826-3835.	4.8	11
62	Room temperature antiferromagnetic ordering in chemically prepared nanocrystalline Co-doped neodymium oxide ( $\text{Nd}_{1.90}\text{Co}_{0.10}\text{O}_3$ ). <i>Journal of Alloys and Compounds</i> , 2018, 752, 448-454.	5.5	11
63	Structural transformation induced enhanced multiferroicity in $\text{Al}^{3+}$ and $\text{Ti}^{4+}$ co-doped $\text{LaFeO}_3$ . <i>Advanced Powder Technology</i> , 2020, 31, 2469-2479.	4.1	11
64	Single crystal magnetic properties and the crystal field interactions of $\text{Er}^{3+}$ in $\text{ErVO}_4$ . <i>Journal of Physics and Chemistry of Solids</i> , 1997, 58, 393-397.	4.0	10
65	Studies of the magnetic behaviour of $\text{ErAl}_3(\text{BO}_3)_4$ and the effects of the crystal field. <i>Journal of Physics and Chemistry of Solids</i> , 1998, 59, 783-787.	4.0	9
66	Room temperature magnetic ordering, enhanced magnetization and exchange bias of $\text{GdMnO}_3$ nanoparticles in $(\text{GdMnO}_3)_{0.70}(\text{CoFe}_2\text{O}_4)_{0.30}$ . <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 424, 388-393.	2.3	9
67	Electromagnetic-wave shielding promulgation of cluster like $\text{FZ@MWCNT}$ composite incorporated in GO matrices by polarization relaxation and potential degradation. <i>Materials Characterization</i> , 2021, 172, 110884.	4.4	9
68	The effects of crystal field on $\text{Tm}^{3+}$ in $\text{Tm}(\text{BrO}_3)_3 \cdot 9\text{H}_2\text{O}$ : An experimental and theoretical study. <i>Journal of Physics and Chemistry of Solids</i> , 1996, 57, 1777-1782.	4.0	8
69	Magnetic susceptibilities, crystal field Stark energies, and hyperfine behavior of $\text{Sm}^{3+}$ in hexagonal single crystals of $\text{Sm}(\text{CF}_3\text{SO}_3)_3 \cdot 9\text{H}_2\text{O}$ . <i>Journal of Applied Physics</i> , 2009, 105, 063921.	2.5	8
70	Microwave absorption of $\text{Mn}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$ nanoparticles integrated in multi-walled carbon nanotubes. <i>Journal of the Australian Ceramic Society</i> , 2019, 55, 157-167.	1.9	8
71	Microstructural analysis, dielectric properties and room temperature magnetic ordering of Pr-doped $\text{ZnO}$ nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	8
72	Spin reorientation behavior and enhanced multiferroic properties of co-doped $\text{YFeO}_3$ towards a monophasic multiferroic ceramic $\text{Co}_{0.05}\text{Y}_{0.95}\text{Fe}_{0.95}\text{Ti}_{0.05}\text{O}_3$ . <i>Advanced Powder Technology</i> , 2022, 33, 103622.	4.1	8

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73	Nanocrystalline NiFe <sub>2</sub> O <sub>4</sub> and Nanocomposites of (NiFe <sub>2</sub> O <sub>4</sub> ) <sub>1-x</sub> (Al <sub>2</sub> O <sub>3</sub> ) <sub>x</sub> (<math>x = 0.25, 0.40</math>): Superparamagnetic Behavior and Mössbauer Spectroscopy. Journal of Nanoscience and Nanotechnology, 2010, 10, 5623-5633.	0.9	7
74	Modulated magneto-dielectric property and exchange bias effect of BiFeO <sub>3</sub> incorporated in (BiFeO <sub>3</sub> ) <sub>0.50</sub> (Li <sub>0.30</sub> Zn <sub>0.35</sub> Fe <sub>2.35</sub> O <sub>4</sub> ) <sub>0.50</sub> nanocomposite. Journal of Magnetism and Magnetic Materials, 2015, 385, 347-357.	2.3	7
75	Enhanced magneto-electric property and Raman spectroscopy of nanocrystalline Al <sub>x</sub> Ga <sub>(1-x)</sub> FeO <sub>3</sub> (x=0.05, 0.10 and 0.20). Ceramics International, 2016, 42, 15904-15912.	4.8	7
76	Soft magnetic properties of rapidly quenched pig-iron-based alloys. Journal of Magnetism and Magnetic Materials, 2003, 254-255, 447-449.	2.3	6
77	Magnetic measurements and crystal field investigation of Tm <sup>3+</sup> in Tm(CF <sub>3</sub> SO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O. Journal of Applied Physics, 2008, 103, 083912.	2.5	6
78	Correlation of cation distribution with the hyperfine and magnetic behaviour of Ni <sub>0.3</sub> Zn <sub>0.4</sub> Co <sub>0.2</sub> Cu <sub>0.1</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles and their microwave absorption properties when encapsulated in multi-walled carbon nanotubes. Journal of Physics Condensed Matter, 2017, 29, 085803.	1.8	6
79	Room Temperature Antiferromagnetic Ordering of Nanocrystalline Tb <sub>1.90</sub> Ni <sub>0.10</sub> O <sub>3</sub> . Journal of Electronic Materials, 2017, 46, 1107-1113.	2.2	6
80	Microstructure, dielectric, ferroelectric and magnetoelectric coupling of a novel multiferroic of [(GdMnO <sub>3</sub> ) <sub>0.7</sub> (CoFe <sub>2</sub> O <sub>4</sub> ) <sub>0.3</sub> ] <sub>0.5</sub> [TiO <sub>2</sub> ] <sub>0.5</sub> nanocomposite. Materials Chemistry and Physics, 2020, 240, 122242.	4.0	6
81	Magnetic, thermal and hyperfine behaviours of Tm <sup>3+</sup> in TmPO <sub>4</sub> , YPO <sub>4</sub> and LuPO <sub>4</sub> : a comparative study. Hyperfine Interactions, 2007, 175, 131.	0.5	5
82	Measurements of magnetic susceptibilities, their anisotropies and crystal field investigations of monoclinic single crystals of Ho <sub>2</sub> GeO <sub>5</sub> . Journal of Magnetism and Magnetic Materials, 2008, 320, 3288-3292.	2.3	5
83	Structural, magnetic, dielectric and magneto-dielectric properties of (BaTiO <sub>3</sub> ) <sub>0.70</sub> (Li <sub>0.32</sub> Ni <sub>0.4</sub> Fe <sub>2.3</sub> O <sub>4</sub> ) <sub>0.30</sub> . Materials Research Bulletin, 2018, 102, 226-234.	5.2	5
84	Room temperature ferromagnetism of nanocrystalline Nd <sub>1.90</sub> Ni <sub>0.10</sub> O <sub>3</sub> . Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	5
85	Contrasting spectroscopic response of human hemoglobin in presence of graphene oxides and its reduced form: Comparative approach with carbon quantum dots. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 247, 119079.	3.9	5
86	Electromagnetic shielding performance of Co <sub>0.5</sub> Zn <sub>0.4</sub> Cu <sub>0.1</sub> Fe <sub>2</sub> O <sub>4</sub> -GO/paraffin wax hybrid nanocomposite through magnetic energy morphing prepared by facile synthesis method. Materials Today Communications, 2021, 27, 102190.	1.9	5
87	Crystal field investigation on the magnetic properties of Yb <sup>3+</sup> in Yb(CF <sub>3</sub> SO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O. Journal of Physics and Chemistry of Solids, 2009, 70, 59-63.	4.0	4
88	Enhanced magnetic behavior, exchange bias effect, and dielectric property of BiFeO <sub>3</sub> incorporated in (BiFeO <sub>3</sub> ) <sub>0.50</sub> (Co <sub>0.4</sub> Zn <sub>0.4</sub> Cu <sub>0.2</sub> Fe <sub>2</sub> O <sub>4</sub> ) <sub>0.5</sub> nanocomposite. AIP Advances, 2014, 4, .	1.3	4
89	Realization of spin-canted magnetism from lattice site specific spin structure in the double perovskite Nd <sub>2</sub> CoTiO <sub>6</sub> . Journal of Magnetism and Magnetic Materials, 2019, 488, 165338.	2.3	4
90	Experimental and theoretical studies on the magnetic behavior of Nd <sup>3+</sup> in NdPO <sub>4</sub> . Journal of Magnetism and Magnetic Materials, 1997, 173, 167-172.	2.3	3

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91	Enhanced electric property and magneto-capacitance co-efficient co-related with modulated Raman spectroscopy of GaFeO <sub>3</sub> in (GaFeO <sub>3</sub> ) <sub>0.50</sub> (Ni <sub>0.40</sub> Zn <sub>0.40</sub> Cu <sub>0.20</sub> Fe <sub>2</sub> O <sub>4</sub> ) <sub>0.50</sub> . Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2014, 189, 51-57.	3.5	3
92	Magnetic measurements, Raman and infrared spectra of metal-organic ligand complex derived from $\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$ . Bulletin of Materials Science, 2018, 41, 1.	1.7	3
93	Introduction of Room Temperature Ferromagnetism in Nanocrystalline Samarium Oxide by Doping of Co-ion. Journal of Electronic Materials, 2019, 48, 8047-8053.	2.2	3
94	Mössbauer analysis and induction heating evaluation of grapes like FZ@MWCNT towards cancer treatment. Solid State Sciences, 2021, 122, 106756.	3.2	3
95	Role of new Antioxidants in the Stabilization of Ophthalmic and ear Dosage form Preparation of Hamycin. Drug Development and Industrial Pharmacy, 1993, 19, 2595-2609.	2.0	2
96	Magnetic behavior of Sm <sup>3+</sup> in SmAsO <sub>4</sub> : an experimental and theoretical study. Journal of Magnetism and Magnetic Materials, 1999, 202, 497-504.	2.3	2
97	Paramagnetic susceptibilities, crystal field Stark energies and hyperfine properties of Eu <sup>3+</sup> in europium trifluoromethanesulfonate nonahydrate. Journal of Physics and Chemistry of Solids, 2010, 71, 1278-1284.	4.0	1
98	Modulated magnetoelectric property of BiFeO <sub>3</sub> incorporated in Co <sub>0.50</sub> Fe <sub>0.50</sub> Fe <sub>2</sub> O <sub>4</sub> . , 2014, , .		1
99	Magnetic susceptibilities, Raman spectroscopy and crystal field analysis of Pr <sup>3+</sup> in monoclinic single crystals of PrPO <sub>4</sub> . Materials Chemistry and Physics, 2018, 216, 387-392.	4.0	1
100	Structural, magnetic, electric and hyperfine behavior of a new multiferroic nanocomposite (Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> ) <sub>0.5</sub> (TiO <sub>2</sub> ) <sub>0.5</sub> . Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 273, 115454.	3.5	1
101	A Calculation of Specific Heat Ratio of Liquids Using High Frequency Elastic Modulii. Zeitschrift Fur Physikalische Chemie, 1981, 126, 41-45.	2.8	0
102	Magnetic property, Raman spectroscopy and crystal field analysis of Sm <sup>3+</sup> in Sm(BrO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O. , 2014, , .		0
103	Structural, magnetic, microwave and ac induction heating study of Li <sub>0.35</sub> Zn <sub>0.30</sub> Co <sub>0.05</sub> Fe <sub>2.30</sub> O <sub>4</sub> integrated in multi-walled carbon nanotube matrix. AIP Conference Proceedings, 2018, , .	0.4	0
104	Magnetic behavior and Raman spectroscopy of the composite system of CuCl <sub>2</sub> ·2H <sub>2</sub> O@C <sub>12</sub> H <sub>9</sub> NO. Journal of Science: Advanced Materials and Devices, 2018, 3, 113-121.	3.1	0