

Pramod Bhatt

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7558851/publications.pdf>

Version: 2024-02-01

95
papers

1,653
citations

279701

23
h-index

345118

36
g-index

95
all docs

95
docs citations

95
times ranked

1797
citing authors

#	ARTICLE	IF	CITATIONS
1	On the table-like magnetocaloric effect, microstructure and mechanical properties of $\text{La}_x\text{Fe}_{11.6}\text{Si}_{1.4}$ system. <i>Journal of Alloys and Compounds</i> , 2022, 895, 162597.	2.8	7
2	Shielding performance of $\text{MnNi}_{0.8}\text{Zn}_{0.2}\text{Fe}_2\text{O}_4$ (0.1% x 0.7) for electromagnetic interference (EMI) in X-band frequency. <i>Ceramics International</i> , 2022, 48, 9987-9997.	2.3	9
3	Synergistic effect of Zn doping on thermoelectric properties to realize a high figure-of-merit and conversion efficiency in $\text{Bi}_{2-x}\text{Zn}_x\text{Te}_3$ based thermoelectric generators. <i>Journal of Materials Chemistry C</i> , 2022, 10, 7970-7979.	2.7	13
4	Magnetocaloric Effect, Magnetic Interactions and Phase Transition in $\text{La}_{1.3}\text{Fe}_{11.6-x}\text{Si}_{1.4}\text{Ga}_x$ Alloys. <i>Journal of Superconductivity and Novel Magnetism</i> , 2022, 35, 2505-2518.	0.8	3
5	Enhanced hydrogen adsorption in alkali metal based copper hexacyanoferrate Prussian blue analogue nanocubes. <i>Journal of Power Sources</i> , 2022, 542, 231816.	4.0	5
6	Crystal structure of 4-aminopyridinium 3-(4-aminopyridinium) succinate tetra hydrate: A new salt from 4-aminopyridine and maleic acid crystallization. <i>Journal of Molecular Structure</i> , 2021, 1234, 130142.	1.8	4
7	Investigation of structural, magnetic and dielectric properties of gallium substituted Z-type $\text{Sr}_3\text{Co}_2\text{-Ga}_x\text{Fe}_{24}\text{O}_{41}$ hexaferrites for microwave absorbers. <i>Journal of Alloys and Compounds</i> , 2020, 822, 153470.	2.8	30
8	On the giant magnetocaloric and mechanical properties of MnFePAsi-Ge alloy. <i>Journal of Alloys and Compounds</i> , 2020, 817, 153232.	2.8	16
9	Octahedral Lattice Distortion-Driven Ferroelectricity and Canted Antiferromagnetism in Oxalate and Phenanthroline Ligand-Based Chain Molecular Magnets $[\{\text{Fe}(\text{I}^{\text{II}})\text{Fe}(\text{I}^{\text{I}})\}_x\{\text{Cr}(\text{I}^{\text{II}})\text{Cr}(\text{I}^{\text{I}})\}_x(\text{ox})_2(\text{phen})_2]_n$ ($x = 0, 1$) <i>J. Inorg. Nucl. Chem.</i> 2021, 491, 117843-117849.	1.0	14
10	Study of magnetic behavior in co-precipitated NiZn ferrite nanoparticles and their potential use for gas sensor applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 502, 166534.	1.0	58
11	Stabilizing Thermoelectric Figure-of-Merit of Superionic Conductor Cu_2Se through W Nano-inclusions. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000102.	1.2	12
12	Structural, electrochemical and catalytic activity of Prussian blue analogues embedded with functionalized carbon for solid state battery applications. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 15317-15326.	3.8	3
13	Tailoring of thermoelectric properties in Bi_2Te_3 by varying the sintering temperature. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	2
14	Structural and Mössbauer spectroscopic studies of Mn-substituted Cu-ferrite nanoparticles. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
15	Transition metal oxides/poly(vinylidene fluoride) nanocomposites films with improved thermal properties. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
16	Temperature Driven Unusual Reversible p-to n-Type Conduction Switching in $\text{Bi}_2\text{Te}_{2.7}\text{Se}_{0.3}$. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1900121.	1.2	3
17	Enhancement of martensite transition temperature and inverse magnetocaloric effect in $\text{Ni}_{43}\text{Mn}_{47}\text{Sn}_{11}$ alloy with B doping. <i>Journal of Alloys and Compounds</i> , 2019, 795, 519-527.	2.8	19
18	Biopolymer assisted synthesis of silica-carbon composite by spray drying. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 165, 182-190.	2.5	4

#	ARTICLE	IF	CITATIONS
19	Magnetic Exchange Interaction in Nitronyl Nitroxide Radical-Based Single Crystals of 3d Metal Complexes: A Combined Experimental and Theoretical Study. ACS Omega, 2018, 3, 2918-2933.	1.6	12
20	Ferroelectric properties of oxalate and phenanthroline based 1-D single chain molecular magnet $[{\text{Fe}}(\text{I}^{\text{III}}){\text{Fe}}(\text{I}^{\text{II}})}_{0.5}{\text{Cr}}(\text{I}^{\text{III}}){\text{Cr}}(\text{I}^{\text{II}})}_{0.5}(\text{ox})_2(\text{phen})_2]$. AIP Conference Proceedings, 2018, , .	0.3	0
21	Synthesis of CoFe Prussian blue analogue/poly vinylidene fluoride nanocomposite material with improved thermal stability and ferroelectric properties. New Journal of Chemistry, 2018, 42, 4567-4578.	1.4	19
22	Influence of Mg substitution on structural, magnetic and dielectric properties of X-type barium zinc hexaferrites $\text{Ba}_2\text{Zn}_{2-x}\text{Mg}_x\text{Fe}_{28}\text{O}_{46}$. Journal of Alloys and Compounds, 2018, 741, 377-391.	2.8	100
23	High temperature dielectric studies of indium-substituted NiCuZn nanoferrites. Journal of Physics and Chemistry of Solids, 2018, 112, 29-36.	1.9	34
24	Influence of rare earth ion doping (Ce and Dy) on electrical and magnetic properties of cobalt ferrites. Journal of Magnetism and Magnetic Materials, 2018, 449, 319-327.	1.0	130
25	Magnetic interactions and dielectric dispersion in Mg substituted M-type Sr-Cu hexaferrite nanoparticles prepared using one step solvent free synthesis technique. Ceramics International, 2018, 44, 4426-4435.	2.3	49
26	Nanoscale-driven structural changes and associated superparamagnetism in magnetically diluted Ni^{2+}Zn ferrites. Materials Chemistry Frontiers, 2018, 2, 300-312.	3.2	23
27	Enhanced thermoelectric figure-of-merit of p-type SiGe through TiO_2 nano-inclusions and modulation doping of boron. Materialia, 2018, 4, 147-156.	1.3	17
28	Synthesis, Spectral and Biological Studies of Complexes with Bidentate Azodye Ligand Derived from Resorcinol and 1-Amino-2-Naphthol-4-Sulphonic Acid. Oriental Journal of Chemistry, 2018, 34, 45-54.	0.1	10
29	Transition from n- to p-type conduction concomitant with enhancement of figure-of-merit in Pb doped bismuth telluride: Material to device development. Materials and Design, 2018, 159, 127-137.	3.3	39
30	Structural and Mössbauer analysis of pure and Ce-Dy doped cobalt ferrite nanoparticles. AIP Conference Proceedings, 2018, , .	0.3	0
31	Room temperature ferroelectricity in one-dimensional single chain molecular magnets $[{\text{M}}(\text{I}^{\text{III}}){\text{M}}(\text{I}^{\text{II}})}(\text{ox})_2(\text{phen})_2]_n$ ($\text{M} = \text{Fe}$ and Mn). Applied Physics Letters, 2017, 110, 102901.	1.5	8
32	Influence of Mn Substitution on Mössbauer and Magnetic Properties of Ni-Zn Ferrite Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2017, 30, 3241-3246.	0.8	13
33	Tellurium-free thermoelectrics: Improved thermoelectric performance of n-type Bi_2Se_3 having multiscale hierarchical architecture. Energy Conversion and Management, 2017, 145, 415-424.	4.4	37
34	Investigation of cation distribution and magnetocrystalline anisotropy of $\text{Ni}_x\text{Cu}_{0.1}\text{Zn}_{0.9-x}\text{Fe}_2\text{O}_4$ nanoferrites: Role of constant mole percent of Cu^{2+} dopant in place of Zn^{2+} . Ceramics International, 2017, 43, 7984-7991.	2.3	47
35	Structural and electronic properties of amorphous Ti-Ni alloy thin films prepared by ion beam sputtering. AIP Conference Proceedings, 2017, , .	0.3	0
36	Electrical resistivity and Mössbauer studies of Cr substituted Co nano ferrites. Journal of Alloys and Compounds, 2017, 694, 366-374.	2.8	41

#	ARTICLE	IF	CITATIONS
37	Chemical synthesis and characterization of PdTe-Ag ₂ Te nanowires heterostructure. AIP Conference Proceedings, 2016, , .	0.3	0
38	Structural and magnetic properties of Prussian blue analogue molecular magnet Fe _{1.5} [Cr(CN) ₆] \cdot mH ₂ O. AIP Conference Proceedings, 2016, , .	0.3	4
39	Quantification of site disorder and its role on spin polarization in the nearly half-metallic Heusler alloy NiFeMnSn. Physical Review B, 2016, 94, .	1.1	25
40	Magnetic proximity effect in ferrimagnetic-ferromagnetic core-shell Prussian blue analogues molecular magnet. Chemical Physics Letters, 2016, 651, 155-160.	1.2	22
41	Structural, thermal and magnetic studies of Mg _x Zn _{1-x} Fe ₂ O ₄ nanoferrites: Study of exchange interactions on magnetic anisotropy. Ceramics International, 2016, 42, 19179-19186.	2.3	42
42	Study of structural and magnetic properties of Li-Ni nanoferrites synthesized by citrate-gel auto combustion method. Ceramics International, 2016, 42, 2941-2950.	2.3	26
43	Superparamagnetic behavior of indium substituted NiCuZn nano ferrites. Journal of Magnetism and Magnetic Materials, 2015, 381, 416-421.	1.0	20
44	Synthesis and spectral studies of metal complexes of a Schiff base derived from (2-amino-5-chlorophenyl)phenyl methanone. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 151, 598-604.	2.0	5
45	Distribution of cations in Co _{1-x} Mn _x Fe ₂ O ₄ using XRD, magnetization and Mössbauer spectroscopy. Journal of Alloys and Compounds, 2015, 646, 550-556.	2.8	61
46	Manganese ferrite prepared using reverse micelle process: Structural and magnetic properties characterization. Journal of Alloys and Compounds, 2015, 642, 70-77.	2.8	46
47	Effect of Co ²⁺ substitution in Mg _{0.5} Zn _{0.5-x} CoxFe ₂ O ₄ ferrite nanoparticles: Study of structural, dielectric and magnetic properties. , 2014, , .		0
48	Spectroscopic studies on two mono nuclear iron (III) complexes derived from a schiff base and an azodye. , 2014, , .		1
49	Investigation of cellular microstructure and enhanced coercivity in sputtered Sm ₂ (CoCuFeZr) ₁₇ film. Journal of Applied Physics, 2014, 115, 103903.	1.1	1
50	Gamma radiation roused lattice contraction effects investigated by Mössbauer spectroscopy in nanoparticle Mn-Zn ferrite. Radiation Physics and Chemistry, 2014, 102, 147-152.	1.4	39
51	Structural development and magnetic phenomenon in Zn-Cr-Fe multi oxide nano-crystals. Ceramics International, 2014, 40, 8357-8368.	2.3	8
52	Exploring the structural, Mössbauer and dielectric properties of Co ²⁺ incorporated Mg _{0.5} Zn _{0.5-x} CoxFe ₂ O ₄ nanocrystalline ferrite. Journal of Magnetism and Magnetic Materials, 2014, 360, 21-33.	1.0	55
53	Core-Shell Prussian Blue Analogue Molecular Magnet Mn _{1.5} [Cr(CN) ₆] \cdot 2H ₂ O@Ni _{1.5} [Cr(CN) ₆] \cdot 2H ₂ O for Hydrogen Storage. ACS Applied Materials & Interfaces, 2014, 6, 17579-17588.	2.8	28
54	Enhanced Thermoelectric Properties of Selenium-Deficient Layered TiSe ₂ : A Charge-Density-Wave Material. ACS Applied Materials & Interfaces, 2014, 6, 18619-18625.	4.0	21

#	ARTICLE	IF	CITATIONS
55	A fluoride ion selective Zr(IV)-poly(acrylamide) magnetic composite. RSC Advances, 2014, 4, 10350.	1.7	21
56	Thermoelectric performance of layered Sr _x TiSe ₂ above 300 K. Journal of Physics Condensed Matter, 2014, 26, 445002.	0.7	5
57	Study of structural, electrical and magnetic properties of Cr doped Ni-Mg ferrite nanoparticle. Journal of Alloys and Compounds, 2014, 602, 150-156.	2.8	32
58	One-Dimensional Single-Chain Molecular Magnet with a Cross-Linked Co^{II} Coordination Network $[\{\text{Co}^{\text{II}}(\text{phen})_2\}_x\{\text{Co}^{\text{II}}(\text{ox})_2\}_y]_n$ ($x = 0, 0.1$ and 0.5) with giant coercivity of 3.2 Tesla. Journal of Physical Chemistry C, 2014, 118, 1864-1872.	1.5	12
59	Synthesis and spectral study of new azo dye and its iron complexes derived from 2-naphthol and 2-amino-3-hydroxypyridine. AIP Conference Proceedings, 2014, , .	0.3	1
60	Study of structural and magnetic properties of (Co-Cu)Fe ₂ O ₄ /PANI composites. Materials Chemistry and Physics, 2013, 141, 406-415.	2.0	27
61	Hydrothermally synthesized oxalate and phenanthroline based ferrimagnetic one-dimensional spin chain molecular magnets $[\{\text{Fe}^{\text{II}}(\text{ox})_2\}_x\{\text{Cr}^{\text{III}}(\text{phen})_2\}_y]_n$ ($x = 0, 0.1$ and 0.5) with giant coercivity of 3.2 Tesla. Journal of Materials Chemistry C, 2013, 1, 6637.	2.7	16
62	Synthesis of nanosize and sintered Mn _{0.3} Ni _{0.3} Zn _{0.4} Fe ₂ O ₄ ferrite and their structural and dielectric studies. Journal of Alloys and Compounds, 2013, 555, 225-231.	2.8	44
63	Influence of Ni ²⁺ substitution on the structural, dielectric and magnetic properties of Cu-Cd ferrite nanoparticles. Journal of Alloys and Compounds, 2013, 573, 198-204.	2.8	21
64	Structural, dielectric and Mossbauer studies of sol-gel synthesized nano Ni-Cu-Zn ferrites. , 2013, , .		0
65	Tuning the magnetocaloric properties of the Ni ₂ +xMn _{1-x} Sn Heusler alloys. Journal of Applied Physics, 2013, 113, .	1.1	22
66	Investigation of structural, dielectric, magnetic and antibacterial activity of Cu-Cd-Ni-FeO ₄ nanoparticles. Journal of Magnetism and Magnetic Materials, 2013, 341, 148-157.	1.0	24
67	Magnetic properties of electrochemically prepared crystalline films of Prussian blue-based molecular magnets $K_j\text{Cr}_k[\text{Cr}(\text{CN})_6]_l \cdot n\text{H}_2\text{O}$. Journal of Solid State Electrochemistry, 2013, 17, 1285-1293.	1.2	5
68	Evidence for the Existence of Oxygen Clustering and Understanding of Structural Disorder in Prussian Blue Analogues Molecular Magnet $M_{1.5}[\text{Cr}(\text{CN})_6]_2 \cdot n\text{H}_2\text{O}$ ($M = \text{Fe}$ and Co): Reverse Monte Carlo Simulation and Neutron Diffraction Study. Journal of Physical Chemistry C, 2013, 117, 2676-2687.	1.5	24
69	Effect of hot-press sintering temperature on thermal transport properties of TiSe ₂ . , 2013, , .		2
70	Spectroscopic studies on Fe(II) and Fe(III) complexes of 5-aryl azo substituted 1H-pyrimidine-2,4-dione. AIP Conference Proceedings, 2013, , .	0.3	2
71	Synthesis and characterization of Fe (III) complex of an azo dye derived from (2-amino-5-chlorophenyl) phenyl methanone. AIP Conference Proceedings, 2013, , .	0.3	2
72	Surface and interface analysis of electrochemically synthesized ferromagnetic/semiconducting Ni/GaAs(001) thin film. Surface and Interface Analysis, 2013, 45, 1382-1388.	0.8	1

#	ARTICLE	IF	CITATIONS
73	Sintering effect on structural and magnetic properties of Ni _{0.6} Zn _{0.4} Fe ₂ O ₄ ferrite. , 2013, , .		2
74	Magnetocaloric properties of Ni _{2+x} Mn _{1-x} Sn Heusler alloys. AIP Conference Proceedings, 2013, , .	0.3	3
75	Prussian blue based molecular magnet K _{0.3} Mn _{2.85} [Cr(CN) ₆] ₂ ·nH ₂ O with ferrimagnetic ordering temperature of 60 K. , 2013, , .		3
76	Structural and magnetic properties of nanoparticles of prussian blue analogue Ni ₃ [Cr(CN) ₆] ₂ ·nH ₂ O. , 2012, , .		0
77	Magnetic properties of nanoparticles of Prussian blue-based molecular magnets M ₃ [Cr(CN) ₆] ₂ ·zH ₂ O (M=Fe, Co, and Ni). Applied Physics A: Materials Science and Processing, 2012, 109, 459-469.	1.1	7
78	Thin films of molecule-based charge transfer complex cobalt tetracyanoethylene: In situ X-ray photoemission study. Surface Science, 2011, 605, 1861-1865.	0.8	3
79	Organic Thin Film Magnet of Nickel-Tetracyanoethylene. , 2011, , .		0
80	Thickness Dependent Magnetic Properties of Thin Films of Prussian Blue Analogue Fe _{1.5} [Cr(CN) ₆] ₂ ·7.5H ₂ O. , 2011, , .		0
81	Enhancement of Curie temperature in electrochemically prepared crystalline thin films of Prussian blue analogs K ₂ FeII[CrIII(CN) ₆] ₂ ·mH ₂ O. Journal of Applied Physics, 2010, 108, 023916.	1.1	19
82	Influence of Stoichiometry on the Magnetic Properties of Electrodeposited Thin Films of Iron Chromium Hexacyanide Based Molecular Magnet. , 2010, , .		0
83	Kinetics of alloy formation at the interfaces in a Ni-Ti multilayer: X-ray and neutron reflectometry study. Physical Review B, 2009, 79, .	1.1	36
84	Electronic structure of thin film iron-tetracyanoethylene: Fe(TCNE) _x . Applied Physics A: Materials Science and Processing, 2009, 95, 131-138.	1.1	16
85	Ferromagnetism above room temperature in nickel-tetracyanoethylene thin films. Journal of Materials Chemistry, 2009, 19, 6610.	6.7	17
86	Structure and magnetism of Ni/Ti multilayers on annealing. Pramana - Journal of Physics, 2008, 71, 1091-1095.	0.9	1
87	Investigation of Ti Layer Thickness Dependent Structural, Magnetic, and Photoemission Study of Nanometer Range Ti/Ni Multilayer Structures. Journal of Nanoscience and Nanotechnology, 2007, 7, 2081-2086.	0.9	2
88	Influence of Ti layer thickness on solid state amorphization and magnetic properties of annealed Ti/Ni multilayer. Journal of Physics Condensed Matter, 2007, 19, 376210.	0.7	7
89	Effect of phase formation on valence band photoemission and photoresonance study of Ti/Ni multilayers using synchrotron radiation. Journal of Electron Spectroscopy and Related Phenomena, 2006, 152, 56-66.	0.8	4
90	Interlayer composition in Mo-Si multilayers using X-ray photoelectron spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2006, 152, 115-120.	0.8	18

#	ARTICLE	IF	CITATIONS
91	High temperature annealing effect on structural and magnetic properties of Ti/Ni multilayers. Applied Surface Science, 2006, 253, 2572-2580.	3.1	23
92	Correlation study between structural, magnetic and transport properties of annealed Co thin films. Vacuum, 2005, 78, 47-51.	1.6	10
93	Synthesis and investigation of structural and electronic properties of $\text{Pr}_{1-x}\text{Ca}_x\text{FeO}_3$ ($0 \leq x \leq 0.2$) compounds. Physica B: Condensed Matter, 2005, 365, 47-54.	1.3	24
94	Investigation of interface electronic structure of annealed Ti/Ni multilayers. Journal of Physics Condensed Matter, 2005, 17, 7465-7488.	0.7	5
95	Correlation of structural, chemical, and magnetic properties in annealed Ti-Ni multilayers. Journal of Applied Physics, 2005, 97, 043509.	1.1	20