

Sudhindra Rayaprol

List of Publications by Year in descending order

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235
papers

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185998

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docs citations

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2325
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#	ARTICLE	IF	CITATIONS
1	Magnetic behavior of Co ions in the exotic spin-chain compound $\text{Ca}_3\text{Co}_2\text{O}_6$ from ^{59}Co NMR studies. <i>Physical Review B</i> , 2004, 70, .	1.1	90
2	Magnetic behaviour of quasi-one-dimensional oxides, $\text{Ca}_3\text{Co}_{1+x}\text{Mn}_{1-x}\text{O}_6$. <i>Solid State Communications</i> , 2003, 128, 79-84.	0.9	77
3	Electronic structure of Ca_3CoXO_6 (X=Co, Rh, Ir) studied by x-ray photoemission spectroscopy. <i>Physical Review B</i> , 2005, 71, .	1.1	74
4	B-site bismuth doping effect on structural, magnetic and magnetotransport properties of $\text{La}_{0.5}\text{Ca}_{0.5}\text{Mn}_{1-x}\text{Bi}_x\text{O}_3$. <i>Ceramics International</i> , 2015, 41, 2637-2647.	2.3	73
5	Structural, transport and magnetic properties of monovalent doped $\text{La}_{1-x}\text{Na}_x\text{MnO}_3$ manganites. <i>Ceramics International</i> , 2015, 41, 7162-7173.	2.3	63
6	Structure and microstructure dependent transport and magnetic properties of sol-gel grown nanostructured $\text{La}_{0.6}\text{Nd}_{0.1}\text{Sr}_{0.3}\text{MnO}_3$ manganites: Role of oxygen. <i>Applied Surface Science</i> , 2015, 356, 1272-1281.	3.1	59
7	Magnetic frustration in the stoichiometric spin-chain compound $\text{Ca}_3\text{CoIrO}_6$. <i>Physical Review B</i> , 2003, 67, .	1.1	54
8	Origin of Charge Density Wave Formation in Insulators from a High Resolution Photoemission Study of BaIrO_3 . <i>Physical Review Letters</i> , 2005, 95, 016404.	2.9	54
9	Indium Flux-Growth of Eu_2AuGe_3 : A New Germanide with an AlB_2 Superstructure. <i>Inorganic Chemistry</i> , 2010, 49, 9574-9580.	1.9	52
10	Magnetic and electrical studies on $\text{La}_{0.4}\text{Sm}_{0.1}\text{Ca}_{0.5}\text{MnO}_3$ charge ordered manganite. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 381, 470-477.	1.0	49
11	Structural, electronic, vibrational and magnetic properties of Zn^{2+} substituted MnCr_2O_4 nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 502, 166595.	1.0	48
12	Magnetically Frustrated Double Perovskites: Synthesis, Structural Properties, and Magnetic Order of $\text{Sr}_{2-x}\text{B}_x\text{OsO}_6$ (x = Y, In, Sc). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 197-205.	0.6	47
13	Evidence for magneto-electric and spin-lattice coupling in $\text{PbFe}_{0.5}\text{Nb}_{0.5}\text{O}_3$ through structural and magneto-electric studies. <i>Journal of Materials Science</i> , 2015, 50, 4980-4993.	1.7	45
14	Magnetic anomalies in the spin-chain compound $\text{Sr}_3\text{CuRhO}_6$: Griffiths-phase-like behavior of magnetic susceptibility. <i>Physical Review B</i> , 2007, 75, .	1.1	44
15	Catalytic hydrolysis of sodium borohydride solution for hydrogen production using thermal plasma synthesized nickel nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 16591-16605.	3.8	42
16	Investigation on structural, Mössbauer and ferroelectric properties of $(1-x)\text{PbFe}_{0.5}\text{Nb}_{0.5}\text{O}_3-x\text{BiFeO}_3$ solid solution. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 418, 122-127.	1.0	40
17	Crystal chemistry and spectroscopic properties of ScAuSn , YAuSn , and LuAuSn . <i>Solid State Sciences</i> , 2006, 8, 560-566.	1.5	39
18	Geometrically frustrated magnetic behavior of $\text{Sr}_3\text{NiRhO}_6$ and $\text{Sr}_3\text{NiPtO}_6$. <i>Physical Review B</i> , 2007, 75, .	1.1	37

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19	Enhanced Electrical Resistivity before Néel Order in the Metals RCuAs_2 (R=Sm, Gd, Tb, and Dy). <i>Physical Review Letters</i> , 2003, 91, 036603.	2.9	35
20	Investigation of New B -Site-Disordered Perovskite Oxide $\text{CaLaScRuO}_{6+\delta}$: An Efficient Oxygen Bifunctional Electrocatalyst in a Highly Alkaline Medium. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9190-9200.	4.0	35
21	Magnetoelectric coupling in $\text{Ca}_3\text{CoMnO}_6$. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	34
22	Correlation between electrical and magnetic properties of polycrystalline $\text{La}_{0.5}\text{Ca}_{0.5}\text{Mn}_{0.98}\text{Bi}_{0.02}\text{O}_3$. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 408, 116-120.	1.0	34
23	Structural, magnetic, and spectroscopic studies of YAgSn , TmAgSn , and LuAgSn . <i>Journal of Solid State Chemistry</i> , 2006, 179, 2376-2385.	1.4	33
24	Substrate dependent transport and magnetotransport in manganite multilayer. <i>Physica B: Condensed Matter</i> , 2011, 406, 2270-2272.	1.3	32
25	Size and grain morphology dependent magnetic behaviour of Co-doped ZnO. <i>Materials Research Bulletin</i> , 2011, 46, 1933-1937.	2.7	31
26	Structural, electronic and magnetic properties of Sc^{3+} doped CoCr_2O_4 nanoparticles. <i>New Journal of Chemistry</i> , 2020, 44, 14246-14255.	1.4	31
27	$\text{Gd}_2\text{Au}_2\text{Cd}$: AMo_2FeB_2 -type intermetallic with ferromagnetic ordering and spin glass anomalies. <i>Physical Review B</i> , 2006, 73, .	1.1	30
28	Colossal electroresistance in $\text{Sm}_{0.55}\text{Sr}_{0.45}\text{MnO}_3$. <i>Journal of Alloys and Compounds</i> , 2010, 508, L32-L35.	2.8	30
29	Composition dependent room temperature structure, electric and magnetic properties in magnetoelectric $\text{Pb}(\text{Fe}_{1/2}\text{Nb}_{1/2})\text{O}_3$ $\text{Pb}(\text{Fe}_{2/3}\text{W}_{1/3})\text{O}_3$ solid-solutions. <i>Journal of Alloys and Compounds</i> , 2016, 677, 27-37.	2.8	30
30	Magnetic and magnetocaloric properties of FeMnO_3 . <i>Ceramics International</i> , 2015, 41, 9567-9571.	2.3	29
31	Magnetic, electrical resistivity, heat-capacity, and thermopower anomalies in CeCuAs_2 . <i>Physical Review B</i> , 2004, 70, .	1.1	27
32	Crystal Structure and Properties of $\text{Yb}_5\text{Ni}_4\text{Ge}_{10}$. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 3963-3968.	1.0	27
33	Magnetic order in the frustrated Ising-like chain compound Sr_3O_6 . <i>Physical Review B</i> , 2014, 90, .	1.1	27
34	Size control on the magnetism of $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$. <i>Journal of Alloys and Compounds</i> , 2019, 797, 874-882.	2.8	27
35	Magnetic and transport anomalies in the compounds, RCuAs_2 (R=Pr, Nd, Sm, Gd, Tb, Dy, Ho, and Er). <i>Physica B: Condensed Matter</i> , 2004, 348, 465-474.	1.3	26
36	Synthesis, Structure, and Properties of the High-Pressure Modification of CePdSn at a 5 K Antiferromagnet. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 77-82.	0.6	26

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37	Antiferromagnetic ordering in the heavy-fermion system $\text{Ce}_2\text{Au}_2\text{Cd}$. <i>Physical Review B</i> , 2005, 72, .	1.1	25
38	Large magnetoresistance in the magnetically ordered state as well as in the paramagnetic state near 300 K in an intermetallic compound, Gd_7Rh_3 . <i>Europhysics Letters</i> , 2005, 69, 454-460.	0.7	25
39	Investigation of structural, vibrational and ferroic properties of AgNbO_3 at room temperature using neutron diffraction, Raman scattering and density-functional theory. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 215303.	1.3	25
40	Origin of room temperature weak-ferromagnetism in antiferromagnetic $\text{Pb}(\text{Fe}_{2/3}\text{W}_{1/3})\text{O}_3$ ceramic. <i>Ceramics International</i> , 2015, 41, 11680-11686.	2.3	24
41	Heat-capacity anomalies in the presence of high magnetic fields in the spin-chain compound, $\text{Ca}_3\text{Co}_2\text{O}_6$. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 284, L7-L11.	1.0	23
42	Magnetic and Dielectric Properties of R_2CuTiO_6 Compounds (R=Y, La, Pr and Nd). <i>Journal of Superconductivity and Novel Magnetism</i> , 2011, 24, 1829-1838.	0.8	23
43	Effect of frustrated exchange interactions and spin-half impurity on the electronic structure of strongly correlated NiFeO_2 . <i>Physical Review B</i> , 2017, 96, .	1.1	23
44	Structural and magnetic transitions in the Mott insulator GaNb_4S_8 . <i>Journal of Materials Chemistry</i> , 2007, 17, 3833.	6.7	21
45	The polygallides: $\text{Yb}_3\text{Ga}_7\text{Ge}_3$ and YbGa_4Ge_2 . <i>Journal of Solid State Chemistry</i> , 2012, 187, 200-207.	1.4	21
46	Metal Flux Crystal Growth Technique in the Determination of Ordered Superstructure in EuInGe . <i>Crystal Growth and Design</i> , 2013, 13, 352-359.	1.4	21
47	On the Room Temperature Ferromagnetic and Ferroelectric Properties of $\text{Pb}(\text{Fe}_{1/2}\text{Nb}_{1/2})\text{O}_3$. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 2465-2472.	0.8	21
48	Impedance spectroscopy studies on $\text{PbFe}_{0.5}\text{Nb}_{0.5}\text{O}_3 - \text{BiFeO}_3$ multiferroic solid solution. <i>Ceramics International</i> , 2017, 43, 16684-16692.	2.3	21
49	Structural, dielectric and conductivity studies of $\text{PbFe}_{0.5}\text{Nb}_{0.5}\text{O}_3 - \text{BiFeO}_3$ multiferroic solid solution. <i>Journal of Alloys and Compounds</i> , 2017, 724, 787-798.	2.8	21
50	A rock-salt-type Li-based oxide, $\text{Li}_3\text{Ni}_2\text{RuO}_6$, exhibiting a chaotic ferrimagnetism with cluster spin-glass dynamics and thermally frozen charge carriers. <i>Scientific Reports</i> , 2016, 6, 31883.	1.6	19
51	Structure and Properties of \hat{I}^\pm - and \hat{I}^2 - CeCuSn : A Single Crystal and Mössbauer Spectroscopic Investigation. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2007, 62, 647-657.	0.3	18
52	Long-range magnetic ordering in the spin-chain compound $\text{Ca}_3\text{CuMnO}_6$ with multiple bond distances. <i>Physical Review B</i> , 2003, 68, .	1.1	17
53	Structure and magnetic properties of RE_4CoCd and RE_4RhCd (RE = Tb, Dy, Ho). <i>Journal of Physics Condensed Matter</i> , 2007, 19, 076213.	0.7	17
54	Influence of chemical pressure on the magnetism of $\text{Pr}_{0.7}\text{Ca}_{0.3-x}\text{Sr}_x\text{MnO}_3$ ($x=0.0-0.3$). <i>Journal of Alloys and Compounds</i> , 2010, 493, L19-L24.	2.8	17

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73	Frustrated Ising chains on the triangular lattice in $\text{Sr}_3\text{Mn}_2\text{O}_{13}$. Physical Review B, 2016, 93, .		
74	Experimental and theoretical interpretation of magnetic ground state of FeMnO ₃ . Journal of Alloys and Compounds, 2019, 774, 290-298.	2.8	13
75	Large magnetoresistance anomalies in Dy ₇ Rh ₃ . Journal of Physics Condensed Matter, 2004, 16, L495-L498.	0.7	12
76	Negative chemical pressure effects induced by Y substitution for Ca on the "exotic" magnetic behavior of the spin-chain compound, Ca ₃ Co ₂ O ₆ . Pramana - Journal of Physics, 2005, 65, 491-500.	0.9	12
77	Structure and physical properties of RE ₂ AgGe ₃ (RE=Ce, Pr, Nd) compounds. Journal of Solid State Chemistry, 2015, 229, 287-295.	1.4	12
78	Influence of Al doping in LaCoO ₃ on structural, electrical and magnetic properties. Journal of Materials Science, 2015, 50, 366-373.	1.7	12
79	Evidence for Room-Temperature Weak Ferromagnetic and Ferroelectric Ordering in Magnetoelectric Pb(Fe _{0.634} W _{0.266} Nb _{0.1})O ₃ Ceramic. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1317-1325.	0.8	12
80	Existence of a critical canting angle of magnetic moments to induce multiferroicity in the Haldane spin-chain system $\text{Tb}_2\text{Mn}_2\text{O}_7$. Physical Review B, 2019, 99, .	1.1	12
81	Structural Investigations of La-2125 Mixed Oxide Superconducting System. Journal of Superconductivity and Novel Magnetism, 2002, 15, 211-215.	0.5	11
82	Electrical resistivity and tunneling anomalies in CeCuAs ₂ . Physica B: Condensed Matter, 2005, 359-361, 108-110.	1.3	11
83	Synthesis, Structure and Properties of the High-pressure Modifications of the Ternary Compounds REPtSn (RE = La, Pr, Sm). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2006, 61, 1477-1484.	0.3	11
84	Low temperature thermopower and electrical transport in misfit Ca ₃ Co ₄ O ₉ with elongated c-axis. Journal Physics D: Applied Physics, 2008, 41, 085414.	1.3	11
85	Flux Growth of Yb ₆ Ir ₆ Sn ₁₆ Having Mixed-Valent Ytterbium. Inorganic Chemistry, 2014, 53, 6615-6623.	1.9	11
86	Coexistence of spin glass type freezing and cooperative paramagnetic state in $\text{Sr}_3\text{Mn}_2\text{O}_{13}$. Physical Review B, 2015, 92, .	1.1	11
87	Low temperature neutron diffraction studies on $\text{Co}(\text{Cr}_{1-x}\text{Fe}_x)_2\text{O}_4$ (x = 0.05 and 0.075). RSC Advances, 2016, 6, 93511-93518.	1.7	11
88	Effect of Sintering Temperature and Duration on the Formation of Single-Phase Pb _{0.9} Bi _{0.1} Fe _{0.55} Nb _{0.45} O ₃ Solid Solution. Transactions of the Indian Ceramic Society, 2016, 75, 181-184.	0.4	11
89	Onsite magnetic moment through cation distribution and magnetocrystalline anisotropy studies in NiFe _{2-x} Y _x O ₄ (R ₁ =Y and Lu; x=0, 0.05, and 0.075). Journal of Applied Physics, 2017, 121, 055101.	1.1	11
90	Magneto-structural correlation in Co _{0.8} Cu _{0.2} Cr ₂ O ₄ cubic spinel. Journal of Magnetism and Magnetic Materials, 2018, 454, 342-348.	1.0	11

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91	Investigation of space charge polarization behavior in Pb _{0.9} Bi _{0.1} Fe _{0.7} W _{0.3} O ₃ ceramic. Journal of Alloys and Compounds, 2019, 800, 334-342.	2.8	11
92	Vanadate Encapsulated Polyoxoborate Framework with [V ₁₂ B ₁₈] Clusters: An Efficient Bifunctional Electrocatalyst for Oxygen and Hydrogen Evolution Reactions. Crystal Growth and Design, 2022, 22, 4666-4672.	1.4	11
93	Noncollinear magnetic order in the $Sr_{1-x}Zn_xRhO_6$. Physical Review B, 2011, 83, .	1.1	10
94	Structural and magnetic properties of nickel-zinc ferrite nanocrystalline magnetic particles prepared by microwave combustion method. Indian Journal of Physics, 2014, 88, 1257-1264.	0.9	10
95	Neutron diffraction studies on chemical and magnetic structure of multiferroic PbFe _{0.67} W _{0.33} O ₃ . AIP Conference Proceedings, 2014, .	0.3	10
96	Thermodynamic properties of multiferroic Mg doped YbMnO ₃ . Journal of Alloys and Compounds, 2015, 644, 830-835.	2.8	10
97	Structure and magnetic behavior of Zn doped NdMnO ₃ manganite: Neutron diffraction study. Ceramics International, 2017, 43, 14962-14967.	2.3	10
98	Structural and Magnetic Properties of Fe-Doped Mn ₂ O ₃ Orthorhombic Bixbyite. Journal of Superconductivity and Novel Magnetism, 2018, 31, 2179-2185.	0.8	10
99	Effect of electric poling on structural, magnetic and ferroelectric properties of 0.8PbFe _{0.5} Nb _{0.5} O ₃ -0.2BiFeO ₃ multiferroic solid solution. Ceramics International, 2019, 45, 13171-13178.	2.3	10
100	New Mo ₂ FeB ₂ type intermetallic cadmium compounds RE ₂ Pd ₂ Cd (RE = Pr, Sm, Gd-Lu) synthesis, structure, and magnetic properties. Journal of Physics Condensed Matter, 2007, 19, 026209.	0.7	9
101	Structure, Magnetic Properties and ¹⁵¹ Eu, ¹¹⁹ Sb Mössbauer Spectroscopy of Eu ₅ Sn ₃ S ₁₂ and Eu ₄ LuSn ₃ S ₁₂ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2007, 62, 5-14.	0.3	9
102	Microscopic evidence for magnetic-phase coexistence in the intermetallic compound Nd ₂ Zr ₂ Ni ₇ . Physical Review B, 2014, 90, .		
103	Electric field-induced tuning of magnetism in PbFe _{0.5} Nb _{0.5} O ₃ at room temperature. Journal of Applied Physics, 2015, 118, .	1.1	9
104	Magnetic order in Nd ₂ Cu ₃ Si ₃ investigated using neutron scattering and muon spin relaxation. Physical Review B, 2019, 100, .	1.1	9
105	Effect of hole filling by Co and hole doping by Ca on the superconductivity of GdBa ₂ Cu ₃ O _{7-δ} . Solid State Sciences, 2001, 3, 59-66.	0.8	8
106	Magnetic behavior of the spin-chain compounds Ca ₃ CuRhO ₆ and Ca ₃ CuRhO ₆ . Physical Review B, 2005, 71, .	1.1	8
107	Spin glass anomalies in HP-NdPtSn structural, magnetic and specific heat studies. Solid State Sciences, 2006, 8, 1258-1265.	1.5	8
108	Single phase synthesis and room temperature neutron diffraction studies on multiferroic PbFe _{0.5} Nb _{0.5} O ₃ . , 2013, .		8

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109	Structural and magnetic properties in the polymorphs of CeRh _{0.5} Ge _{1.5} . Journal of Solid State Chemistry, 2014, 212, 73-80.	1.4	8
110	Effect of milling on structure and magnetism of nanocrystalline La _{0.7} -Bi Sr _{0.3} MnO ₃ (x = 0.35, 0.40) manganites. Physica B: Condensed Matter, 2021, 606, 412792.	1.3	8
111	Magnetism and DFT calculations for understanding magnetic ground state of Fe doped Mn ₂ O ₃ . Journal of Alloys and Compounds, 2021, 861, 158567.	2.8	8
112	Effect of Sr-substitution on the restitution of superconductivity in Pr-substituted at rare earth and Ba-site in EuBa ₂ Cu ₃ O _z . Physica C: Superconductivity and Its Applications, 2001, 355, 23-30.	0.6	7
113	Structural and superconducting properties of La ₂ ~ ^x RxBa ₂ CayCu ₄ +yO _{10+$\hat{1}$ (R=Nd, $\hat{\in}$ Gd; $\hat{\in}$ y=2x) system. Journal of Applied Physics, 2001, 89, 7657-7659.}	1.1	7
114	Studies on La ₂ ~ ^x PrxCayBa ₂ Cu ₄ +yO _z (x=0.1~ ^{0.5} , y=2x) type mixed oxide superconductors. Solid State Communications, 2003, 128, 97-100.	0.9	7
115	Structural and magnetic studies on La ₂ ~ ^x DyxCa ₂ Ba ₂ Cu ₄ +2xO _z type superconducting oxides. Journal of Physics Condensed Matter, 2004, 16, 6551-6559.	0.7	7
116	Ferromagnetic Ordering in the Thallide EuPdTi ₂ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2006, 61, 159-163.	0.3	7
117	Neutron diffraction studies on structural and magnetic properties of RE ₂ NiGe ₃ (RE=La, Ce). Journal of Solid State Chemistry, 2014, 217, 113-119.	1.4	7
118	Structural and magnetic properties of Nd ₂ NiGe ₃ . Journal of Alloys and Compounds, 2015, 632, 172-177.	2.8	7
119	Studies on the magnetoelastic and magnetocaloric properties of Yb ₁ ~ ^x MgxMnO ₃ using neutron diffraction and magnetization measurements. RSC Advances, 2016, 6, 48636-48643.	1.7	7
120	Swinging Symmetry, Multiple Structural Phase Transitions, and Versatile Physical Properties in <i>RE</i>CuGa₃ (<i>RE</i> = La~ Nd , Sm~ ^{Gd}). Inorganic Chemistry, 2016, 55, 666-675.	1.9	7
121	BiFeO ₃ induced enhancement in multiferroic properties of PbFe _{0.5} Nb _{0.5} O ₃ . Ceramics International, 2018, 44, 20449-20456.	2.3	7
122	Neutron diffraction study of a metallic kagome lattice, Tb ₃ Ru ₄ Al ₁₂ . Journal of Magnetism and Magnetic Materials, 2019, 477, 83-87.	1.0	7
123	Structural studies and T _c dependence in La ₂ ~ ^x Dy _x Ca _y Ba ₂ Cu ₄ +yO _z type mixed oxide superconductors. Pramana - Journal of Physics, 2002, 58, 877-880.	0.9	6
124	Magnetic behavior of spin-chain compounds, Sr ₃ ZnRhO ₆ and Ca ₃ NiMnO ₆ , from heat capacity and AC susceptibility studies. Journal of Solid State Chemistry, 2004, 177, 3270-3273.	1.4	6
125	Crystal structure and specific heat of GdCuGe. Journal of Solid State Chemistry, 2006, 179, 2041-2046.	1.4	6
126	Heavy Fermion Behaviour in Ce ₂ Ni _{1.88} Cd. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2007, 62, 891-895.	0.3	6

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127	Low-temperature neutron diffraction and magnetic studies on the magnetoelectric multiferroic $\text{Pb}(\text{Fe}_{0.534}\text{Nb}_{0.4}\text{W}_{0.066})\text{O}_3$. <i>Journal of Materials Science</i> , 2017, 52, 10709-10717.	1.7	6
128	Influencing magnetism of quasi 1D spin-chain compound $\text{Ca}_3\text{CoMnO}_6$ by Ni substitution at Co site. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 486, 165264.	1.0	6
129	Electric field induced structural, magnetic and ferroelectric properties of $0.6\text{PbFe}_{0.5}\text{Nb}_{0.5}\text{O}_3$ - 0.4BiFeO_3 multiferroic solid solution. <i>Ceramics International</i> , 2020, 46, 27595-27600.	2.3	6
130	Magnetic phase transformation in $\text{La}_{0.7}\text{-Bi Sr}_{0.3}\text{MnO}_3$ ($0.25\text{\AA} \times 0.40$). <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 511, 166966.	1.0	6
131	Neutron diffraction study and magnetic properties of $\text{NiFe}_{2-x}\text{Sc}_x\text{O}_4$. <i>Materials Letters</i> , 2020, 277, 128325.	1.3	6
132	Structural, magnetic and magneto-transport properties of $\text{Bi}_{0.7-x}\text{La}_x\text{Sr}_{0.3}\text{MnO}_3$ manganites. <i>Ceramics International</i> , 2021, 47, 1021-1033.	2.3	6
133	Effect of Particle Size on Magnetic Phase Coexistence in Nanocrystalline $\text{La}_{0.4}\text{Bi}_{0.3}\text{Sr}_{0.3}\text{MnO}_3$. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 3319-3331.	0.8	6
134	Effect of Pr-Ca substitution on the transport and magnetic behavior of LaMnO_3 perovskite. <i>Pramana - Journal of Physics</i> , 2002, 58, 1035-1039.	0.9	5
135	Neutron diffraction studies on $\text{La}_{2-x}\text{Dy}_x\text{Ca}_2\text{Ba}_2\text{Cu}_{4+2x}\text{O}_z$ superconductors. <i>Pramana - Journal of Physics</i> , 2004, 63, 213-219.	0.9	5
136	200 MeV Ag^{+15} ion irradiation created columnar defects and enhanced critical current density of La-2125 type superconducting thin films. <i>Solid State Communications</i> , 2007, 142, 462-465.	0.9	5
137	Structure and magnetism of GdRuGe . <i>Solid State Communications</i> , 2008, 148, 326-330.	0.9	5
138	Low-field Magnetoresistance, Specific Heat and Magnetocaloric Effect in Sr Substituted $\text{Pr}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011, 24, 1425-1431.	0.8	5
139	Low temperature neutron diffraction study of $\text{Nd}_{1-x}\text{Sr}_x\text{CrO}_3$ ($0.05 \leq x \leq 0.15$). <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 361, 81-87.	1.0	5
140	Re-entrant spin-glass freezing and magneto-dielectric behaviour of $\text{Li}_3\text{NiRuO}_5$, a layered rock-salt related oxide. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5163-5169.	2.7	5
141	Influence of Mn-substitution on the magnetic and thermal properties of TbCrO_3 . <i>Journal of Alloys and Compounds</i> , 2018, 735, 1031-1040.	2.8	5
142	Stiffening of phonons with enhanced hybridization and structural phase transformation upon Pr-doping in BiFeO_3 . <i>Physica B: Condensed Matter</i> , 2019, 571, 247-251.	1.3	5
143	Structure-property relations characterizing the devitrification of Ni-Zr glassy alloy thin films. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	5
144	Simultaneous magnetic and structural transitions in $\text{Nd}_{0.15}\text{Ca}_{0.85}\text{MnO}_3$ manganite: Magnetization and neutron diffraction studies. <i>Solid State Communications</i> , 2019, 294, 55-60.	0.9	5

#	ARTICLE	IF	CITATIONS
145	Neutron Diffraction Magnetic and Mossbauer Spectroscopic Studies of $Pb_{0.8}Bi_{0.2}Fe_{0.728}W_{0.264}O_3$ and $Pb_{0.7}Bi_{0.3}Fe_{0.762}W_{0.231}O_3$ Ceramics. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 925-941.	0.8	5
146	Investigation on diffuse phase transition through Raman and dielectric properties of $Pb(Fe_{0.5}Nb_{0.5})O_3$ and $Pb(Co_{0.33}Nb_{0.67})O_3$ solid solutions. <i>Materials Chemistry and Physics</i> , 2021, 267, 124678.	2.0	5
147	Impedance and modulus studies of $Pb(Fe_{0.5}Nb_{0.5})O_3$ and $Pb(Co_{0.33}Nb_{0.67})O_3$ solid solutions. <i>Journal of Alloys and Compounds</i> , 2021, 869, 159312.	2.8	5
148	Crystal Structure, Chemical Bonding, and Magnetic Hyperfine Interactions in $GdRu_2SiC$. <i>Chemistry of Materials</i> , 2008, 20, 1381-1389.	3.2	4
149	Stability of the geometrically frustrated magnetic state of Ca_3CoRhO_6 to applications of positive and negative pressure. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 255247.	0.7	4
150	Neutron diffraction studies on an exotic magnetic system, Nd_7Rh_3 . <i>Journal of Physics: Conference Series</i> , 2012, 340, 012064.	0.3	4
151	$Ce_4Ag_3Ge_4O_{0.5}$ chains of oxygen-centered $[OCe_2Ce_2]$ tetrahedra embedded in a $[CeAg_3Ge_4]$ intermetallic matrix. <i>Dalton Transactions</i> , 2013, 42, 15207.	1.6	4
152	Size induced inverse spins canting in CO_2 -Zn system: Neutron diffraction and magnetic studies. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 377, 133-136.	1.0	4
153	Neutron diffraction, Mössbauer and ferroelectric studies on magnetoelectric $Pb_{0.9}Bi_{0.1}Fe_{0.55}Nb_{0.45}O_3$. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	4
154	Structural and impedance spectroscopy of \pm - Mn_2O_3 . <i>AIP Conference Proceedings</i> , 2018, , .	0.3	4
155	Tuning of magnetic structure and its effect on magnetic properties in $Co(Cr_{1-x}Mn_x)_2O_4$ ($x = 0-0.3$). <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	4
156	Non-collinear Order and Spin-Orbit Coupling in Sr_3ZnIrO_6 . <i>Journal of the Physical Society of Japan</i> , 2020, 89, 064703.	0.7	4
157	Origin of enhanced piezoelectric properties revealed through electric field driven studies in $0.94(Na_{0.5}Bi_{0.5}TiO_3)_{\sim}0.06(Ba_{0.85}Ca_{0.15}Ti_{0.9}Zr_{0.1}O_3)$ ceramics. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	4
158	Neutron diffraction study and temperature variation of magnetic anisotropy in Bi substituted nickel ferrite. <i>Ceramics International</i> , 2022, 48, 23300-23306.	2.3	4
159	Effect of Mo-substitution on superconductivity, flux pinning and critical currents of $La_{1.5}Nd_{0.5}Ca_1Ba_2Cu_5O_z$. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 391, 237-244.	0.6	3
160	Superconductivity and Magnetism in $R_2CaBa_2Cu_5O_z$ ($R=La, Pr, Nd$ and Eu). <i>Journal of Superconductivity and Novel Magnetism</i> , 2009, 22, 759-767.	0.8	3
161	Magnetic Anomalies and Electronic Structure of Ce_2Cu_2Mg and Ce_2Pd_2Mg . <i>Journal of Superconductivity and Novel Magnetism</i> , 2011, 24, 1585-1592.	0.8	3
162	Magnetocapacitance in Ca_3CoMnO_6 . <i>Journal of Applied Physics</i> , 2011, 109, 07D734.	1.1	3

#	ARTICLE	IF	CITATIONS
163	Antiferromagnetic super-spin freezing with partial charge and magnetic order in LiMn_2O_4 . Materials Research Express, 2014, 1, 046113.	0.8	3
164	Neutron diffraction, Mössbauer effect and electron paramagnetic resonance studies on multiferroic $\text{Pb}(\text{Fe}_{2/3}\text{W}_{1/3})\text{O}_3$. AIP Conference Proceedings, 2015, , .	0.3	3
165	Synthetically tuned structural variations in CePdxGe_{2-x} ($x = 0.21, 0.32, 0.69$) towards diverse physical properties. Inorganic Chemistry Frontiers, 2017, 4, 241-255.	3.0	3
166	Oxidation behaviour of Fe-Ni alloy nanoparticles synthesized by thermal plasma route. AIP Conference Proceedings, 2018, , .	0.3	3
167	Neutron diffraction study on exotic magnetic properties of Mn substituted spinel cobalt chromite. Physica B: Condensed Matter, 2018, 551, 98-103.	1.3	3
168	Magnetocaloric effect in cubic spinel $\text{Co}(\text{Cr}_{0.95}\text{Fe}_{0.05})_2\text{O}_4$. AIP Conference Proceedings, 2018, , .	0.3	3
169	Evidence of weak ferromagnetic and antiferromagnetic interaction at low temperature in $\text{Pb}(\text{Fe}_{2/3}\text{W}_{1/3})\text{O}_3$ multiferroic. Physica B: Condensed Matter, 2019, 561, 114-120.	1.3	3
170	Weak ferromagnetism and magnetoelectric coupling through the spin-lattice coupling in $(1-x)\text{Pb}(\text{Fe}_{2/3}\text{W}_{1/3})\text{O}_3-x\text{BiFeO}_3$ ($x = 0.1$ and 0.4) solid solution. Journal of Physics Condensed Matter, 2020, 32, 425805.	0.7	3
171	Study of Ag ion irradiation effects on the oxygen stoichiometry of La-2125-type superconducting thin films using ERDA. Radiation Measurements, 2003, 36, 733-736.	0.7	2
172	Interplay of lattice strain and spin-polarization in ferromagnetic-insulator-ferromagnetic thin films: $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3/\text{LaAlO}_3/\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$. Journal of Applied Physics, 2003, 93, 8203-8205.	1.1	2
173	^{119}Sn Mössbauer spectroscopy and specific heat studies of the stannides RE_2Sn_3 ($\text{RE} = \text{Gd, Er, Cu, Ag}$). Solid State Communications, 2006, 140, 276-280.	0.9	2
174	Magnetic anomalies in a new manganocuprate $\text{Gd}_3\text{Ba}_2\text{Mn}_2\text{Cu}_2\text{O}_{12}$. Solid State Communications, 2008, 147, 353-356.	0.9	2
175	Structural and transport properties of Yb substituted YBaCo_4O_7 . , 2012, , .		2
176	Global and local structural variations near the antiferroelectric regime in $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$. AIP Conference Proceedings, 2015, , .	0.3	2
177	Enhanced magnetic ordering temperature and dielectric behavior in off-stoichiometric $\text{Ca}_3\text{Cu}_{1-x}\text{Mn}_{1+x}\text{O}_6$ ($x=0.07$). Solid State Communications, 2015, 223, 67-73.	0.9	2
178	Transport properties of bismuth telluride compound prepared by mechanical alloying. AIP Conference Proceedings, 2017, , .	0.3	2
179	Synthesis, structural and electron paramagnetic resonance studies on $\text{Pb}_{0.9}\text{Bi}_{0.1}\text{Fe}_{0.7}\text{W}_{0.3}\text{O}_3$ ceramic. AIP Conference Proceedings, 2018, , .	0.3	2
180	Structural, vibrational and magnetic studies of $\text{Pb}(\text{Fe}_{0.585}\text{Nb}_{0.25}\text{W}_{0.165})\text{O}_3$ multiferroic solid solution. AIP Conference Proceedings, 2018, , .	0.3	2

#	ARTICLE	IF	CITATIONS
181	In-field neutron diffraction investigation of metamagnetism in Nd ₇ Rh ₃ . Physica B: Condensed Matter, 2018, 551, 127-131.	1.3	2
182	Origin of destruction of multiferroicity in Tb ₂ BaNiO ₅ by Sr doping and its implications. Journal of Alloys and Compounds, 2021, 862, 158514.	2.8	2
183	Low Temperature Bond Valence Sum Study of La _{1.7} Dy _{0.3} Ca _{0.6} Ba ₂ Cu _{4.6} O _z Oxide Superconductors. Solid State Phenomena, 2006, 111, 163-166.	0.3	1
184	Preparation and Characterization of HgO and AgO Added La ₂ CaBa ₂ Cu ₅ O _z Superconductors. Journal of Superconductivity and Novel Magnetism, 2009, 22, 699-704.	0.8	1
185	Thermoelectric Properties of Ca ₄ Mn _{3-\hat{x}} Nb _x O ₁₀ . , 2011, , .		1
186	Neutron diffraction and magnetization study of La _{0.7} Ca _{0.3} FeO ₃ . Journal of Applied Physics, 2011, 109, 07E132.	1.1	1
187	Structure-property correlations in La _{1-x} NaxMnO ₃ manganites. , 2012, , .		1
188	Doping induced modification in polyhedral tilt in hexagonal Ho _{1-x} YxMnO ₃ . , 2012, , .		1
189	Exchange bias in ball-milled LaFeO ₃ . , 2013, , .		1
190	Neutron diffraction study for structure and magnetism of Bi _{0.4} Ca _{0.6} Mn _{1-\hat{x}} RuxO ₃ (x= 0.1 and 0.2). Materials Research Express, 2014, 1, 036105.	0.8	1
191	Low temperature magnetic properties of magnesium substituted YbMnO ₃ . , 2014, , .		1
192	Interrupted Magnetic First Order Transitions and Kinetic Arrest probed with In-field Neutron Diffraction. Journal of Physics: Conference Series, 2016, 746, 012063.	0.3	1
193	Neutron diffraction, specific heat and magnetization studies on Nd ₂ CuTiO ₆ . AIP Conference Proceedings, 2016, , .	0.3	1
194	Low temperature dielectric and conductivity relaxation studies on magnetoelectric Pb(Fe _{2/3} W _{1/3})O ₃ . AIP Conference Proceedings, 2016, , .	0.3	1
195	Neutron diffraction, Mössbauer and electron paramagnetic resonance studies of Pb _{0.8} Bi _{0.2} Fe _{0.6} Nb _{0.4} O ₃ multiferroic. AIP Conference Proceedings, 2017, , .	0.3	1
196	On the magnetism and magnetocaloric effect of electron-doped manganite Er _{0.15} Ca _{0.85} MnO ₃ . AIP Conference Proceedings, 2018, , .	0.3	1
197	Studies on n- and p-type metal oxide compounds for thermoelectric device fabrication. Bulletin of Materials Science, 2018, 41, 1.	0.8	1
198	Single phase Pb _{0.7} Bi _{0.3} Fe _{0.65} Nb _{0.35} O ₃ multiferroic: Neutron diffraction, impedance and modulus studies. AIP Conference Proceedings, 2018, , .	0.3	1

#	ARTICLE	IF	CITATIONS
217	Physical Properties Of Eu ₃ Ba ₂ Mn ₂ Cu ₂ O ₁₂ . , 2010, , .		0
218	Dielectric properties of Gd ₃ Ba ₂ Mn ₂ Cu ₂ O ₁₂ manganocuprate. Journal of Applied Physics, 2011, 109, 07D709.	1.1	0
219	Low Temperature Neutron Diffraction Studies on Ca ₃ CoMnO ₆ . , 2011, , .		0
220	Structural and transport properties of Dy substituted YBaCo ₄ O ₇ . , 2013, , .		0
221	Structural, Magnetic and Dielectric Studies of Pb _{0.9} Bi _{0.1} Fe _{0.55} Nb _{0.45} O ₃ Multiferroic Solid solution. IOP Conference Series: Materials Science and Engineering, 2016, 149, 012163.	0.3	0
222	Room temperature neutron diffraction and magnetic studies of multiferroic Pb _{0.9} Bi _{0.1} Fe _{0.55} Nb _{0.45} O ₃ solid solution. AIP Conference Proceedings, 2016, , .	0.3	0
223	Low temperature dielectric and impedance studies on magnetoelectric Pb(Fe _{0.5} Nb _{0.5})O ₃ ceramic. AIP Conference Proceedings, 2016, , .	0.3	0
224	Magnetic structure of Co(Cr _{0.925} Fe _{0.075}) ₂ O ₄ . AIP Conference Proceedings, 2016, , .	0.3	0
225	Structure & magnetic behavior of Cu doped NdMnO ₃ manganite. AIP Conference Proceedings, 2017, , .	0.3	0
226	Room temperature neutron diffraction, optical and magnetic properties of Co(Cr _{1-x} Mn _x) ₂ O ₄ (x =0.0) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.3	0
227	Magnetic structure and magnetism of divalent Zn doped NdMnO ₃ . AIP Conference Proceedings, 2017, , .	0.3	0
228	Temperature dependent neutron diffraction of yttrium doped hexagonal HoMnO ₃ . AIP Conference Proceedings, 2017, , .	0.3	0
229	Low Temperature Dielectric and Impedance Spectroscopy Studies of 0.9PFN - 0.1BFO Multiferroic Solid Solution. Materials Today: Proceedings, 2018, 5, 10722-10727.	0.9	0
230	Structural and low temperature dielectric studies on Pb _{0.8} Bi _{0.2} Fe _{0.6} Nb _{0.4} O ₃ multiferroic solid solution. AIP Conference Proceedings, 2018, , .	0.3	0
231	Single phase synthesis, neutron diffraction and dielectric studies on 0.6PbFe _{0.5} Nb _{0.5} O ₃ -0.4BiFeO ₃ multiferroic. AIP Conference Proceedings, 2019, , .	0.3	0
232	Structural and Magnetic Study of Co(Cr _{0.925} Fe _{0.075}) ₂ O ₄ . Advanced Science Letters, 2016, 22, 118-120.	0.2	0
233	Study of magnetic structure of ferrimagnet holmium iron garnet by neutron diffraction at room temperature. AIP Conference Proceedings, 2020, , .	0.3	0
234	Influence of Electric Poling on Pb _{0.9} Bi _{0.1} Fe _{0.55} Nb _{0.45} O ₃ Multiferroic. Journal of Superconductivity and Novel Magnetism, 0, , 1.	0.8	0

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235	Impact of electric poling on structure, magnetism and ferroelectricity of $0.7\text{PbFe}_{0.5}\text{Nb}_{0.5}\text{O}_3-0.3\text{BiFeO}_3$ multiferroic. Solid State Communications, 2022, , 114766.	0.9	0