

Sudhindra Rayaprol

List of Publications by Year in descending order

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235
papers

2,934
citations

186209

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41
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252
all docs

252
docs citations

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times ranked

2325
citing authors

#	ARTICLE	IF	CITATIONS
1	Inverse Magnetocaloric Effect and the Magnetostructural Transition in $\text{Pr}_{0.15}\text{Ca}_{0.85}\text{MnO}_3$ Manganite. IEEE Transactions on Magnetics, 2022, 58, 1-6.	1.2	1
2	Electrical studies of $\text{Pb}_{0.6}\text{Bi}_{0.4}\text{Fe}_{0.7}\text{Nb}_{0.3}\text{O}_3$ multiferroic. Materials Today: Proceedings, 2022, , .	0.9	1
3	Impact of electric poling on structure, magnetism and ferroelectricity of $0.7\text{PbFeO}\cdot 5\text{NbO}\cdot 5\text{O}_3 - 0.3\text{BiFeO}_3$ multiferroic. Solid State Communications, 2022, , 114766.	0.9	0
4	Neutron diffraction study and temperature variation of magnetic anisotropy in Bi substituted nickel ferrite. Ceramics International, 2022, 48, 23300-23306.	2.3	4
5	Vanadate Encapsulated Polyoxoborate Framework with $[\text{V}_{12}\text{B}_{18}]$ Clusters: An Efficient Bifunctional Electrocatalyst for Oxygen and Hydrogen Evolution Reactions. Crystal Growth and Design, 2022, 22, 4666-4672.	1.4	11
6	Structural, magnetic and magneto-transport properties of $\text{Bi}_{0.7-x}\text{La}_x\text{Sr}_{0.3}\text{MnO}_3$ manganites. Ceramics International, 2021, 47, 1021-1033.	2.3	6
7	Neutron Diffraction Magnetic and Mossbauer Spectroscopic Studies of $\text{Pb}_{0.8}\text{Bi}_{0.2}\text{Fe}_{0.728}\text{W}_{0.264}\text{O}_3$ and $\text{Pb}_{0.7}\text{Bi}_{0.3}\text{Fe}_{0.762}\text{W}_{0.231}\text{O}_3$ Ceramics. Journal of Superconductivity and Novel Magnetism, 2021, 34, 925-941.	0.8	5
8	Effect of Bi^{3+} on magnetic properties of nanosized $\text{La}_{0.7-x}\text{Bi}_x\text{Sr}_{0.3}\text{MnO}_3$. Materials Today: Proceedings, 2021, 47, 635-640.	0.9	1
9	Effect of milling on structure and magnetism of nanocrystalline $\text{La}_{0.7-x}\text{Bi}_x\text{Sr}_{0.3}\text{MnO}_3$ ($x = 0.35, 0.40$) manganites. Physica B: Condensed Matter, 2021, 606, 412792.	1.3	8
10	Magnetism and DFT calculations for understanding magnetic ground state of Fe doped Mn_2O_3 . Journal of Alloys and Compounds, 2021, 861, 158567.	2.8	8
11	Origin of destruction of multiferroicity in $\text{Tb}_2\text{BaNiO}_5$ by Sr doping and its implications. Journal of Alloys and Compounds, 2021, 862, 158514.	2.8	2
12	Investigation on diffuse phase transition through Raman and dielectric properties of $\text{Pb}(\text{Fe}_{0.5}\text{Nb}_{0.5})\text{O}_3$ and $\text{Pb}(\text{Co}_{0.33}\text{Nb}_{0.67})\text{O}_3$ solid solutions. Materials Chemistry and Physics, 2021, 267, 124678.	2.0	5
13	Impedance and modulus studies of $\text{Pb}(\text{Fe}_{0.5}\text{Nb}_{0.5})\text{O}_3$ and $\text{Pb}(\text{Co}_{0.33}\text{Nb}_{0.67})\text{O}_3$ solid solutions. Journal of Alloys and Compounds, 2021, 869, 159312.	2.8	5
14	Pressure-induced anomalies in the magnetic transitions of the exotic multiferroic material TbMn_2O_7 . Physical Review Materials, 2021, 5, .	0.9	1
15	Effect of Particle Size on Magnetic Phase Coexistence in Nanocrystalline $\text{La}_{0.4}\text{Bi}_{0.3}\text{Sr}_{0.3}\text{MnO}_3$. Journal of Superconductivity and Novel Magnetism, 2021, 34, 3319-3331.	0.8	6
16	Charge transport mechanisms in monovalent doped mixed valent manganites. Advanced Materials Proceedings, 2021, 1, 96-103.	0.2	1
17	Study of combined effect of partial Bi doping and particle size reduction on magnetism of $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$. Journal of Magnetism and Magnetic Materials, 2020, 497, 166020.	1.0	14
18	Synthesis and magnetic properties of nanostructured $\text{Ni}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ ($x = 0.4, 0.5$ and 0.6). AIP Conference Proceedings, 2020, , .	0.3	1

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19	Structural, electronic and magnetic properties of Sc ³⁺ doped CoCr ₂ O ₄ nanoparticles. <i>New Journal of Chemistry</i> , 2020, 44, 14246-14255.	1.4	31
20	Electric field induced structural, magnetic and ferroelectric properties of 0.6PbFe0.5Nb0.5O ₃ -0.4BiFeO ₃ multiferroic solid solution. <i>Ceramics International</i> , 2020, 46, 27595-27600.	2.3	6
21	Non-collinear Order and Spin-Orbit Coupling in Sr ₃ ZnIrO ₆ . <i>Journal of the Physical Society of Japan</i> , 2020, 89, 064703.	0.7	4
22	Magnetic phase transformation in La _{0.7} -Bi Sr _{0.3} MnO ₃ (0.25Å ^o Å ^o Å ^o 0.40). <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 511, 166966.	1.0	6
23	Low temperature impedance, modulus and conductivity studies of Pb _{0.8} Bi _{0.2} Fe _{0.6} Nb _{0.4} O ₃ multiferroic. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
24	Neutron diffraction study and magnetic properties of NiFe _{2-x} Sc _x O ₄ . <i>Materials Letters</i> , 2020, 277, 128325.	1.3	6
25	Weak ferromagnetism and magnetoelectric coupling through the spin-lattice coupling in (1-x)Pb(Fe _{2/3} W _{1/3})O ₃ -xBiFeO ₃ (x = 0.1 and 0.4) solid solution. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 425805.	0.7	3
26	Structural, electronic, vibrational and magnetic properties of Zn ²⁺ substituted MnCr ₂ O ₄ nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 502, 166595.	1.0	48
27	Investigation of New B-Site-Disordered Perovskite Oxide CaLaScRuO ₆ : An Efficient Oxygen Bifunctional Electrocatalyst in a Highly Alkaline Medium. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9190-9200.	4.0	35
28	Origin of enhanced piezoelectric properties revealed through electric field driven studies in 0.94(Na _{0.5} Bi _{0.5} TiO ₃) _{1-x} 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, . <i>Unveiling ferrimagnetic ground state, anomalous behavior of the exchange-bias field around spin</i>	1.1	4
29	reorientation, and magnetoelectric coupling in YbC _{1-x} Fe _x multiferroic. <i>Journal of Applied Physics</i> , 2020, 127, . <i>Unveiling ferrimagnetic ground state, anomalous behavior of the exchange-bias field around spin</i>	1.1	17
30	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
31	Study of magnetic structure of ferrimagnet holmium iron garnet by neutron diffraction at room temperature. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
32	Single phase synthesis, neutron diffraction and dielectric studies on 0.6PbFe _{0.5} Nb _{0.5} O ₃ -0.4BiFeO ₃ multiferroic. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
33	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
34	Neutron diffraction studies on temperature driven crystallographic anisotropy in FeVO ₄ multiferroic: Evidence of strong magnetostructural correlations. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
35	Synthesis and studies of high-temperature electrical properties of Pb _{0.8} Bi _{0.2} Fe _{0.734} W _{0.266} O ₃ solid solution. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
36	Room temperature neutron diffraction, electron paramagnetic resonance and ferroelectric properties of relaxor ferroelectric Pb(Fe _{0.6} Nb _{0.2} W _{0.2})O ₃ . <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1

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37	Magnetic order in Nd_2PdSi_3 investigated using neutron scattering and muon spin relaxation. <i>Physical Review B</i> , 2019, 100, .	1.1	9
38	Structure and magnetic properties of Mn doped $\hat{1}\pm\text{-Fe}_2\text{O}_3$. <i>Physica B: Condensed Matter</i> , 2019, 574, 411663.	1.3	15
39	Investigation of space charge polarization behavior in $\text{Pb}_{0.9}\text{Bi}_{0.1}\text{Fe}_{0.7}\text{W}_{0.3}\text{O}_3$ ceramic. <i>Journal of Alloys and Compounds</i> , 2019, 800, 334-342.	2.8	11
40	Structure-property relations characterizing the devitrification of Ni-Zr glassy alloy thin films. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	5
41	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
42	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
43	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. <i>Physica B: Condensed Matter</i> , 2019, 561, 114-120.	1.3	3
44	Existence of a critical canting angle of magnetic moments to induce multiferroicity in the Haldane spin-chain system $\text{Tb}_2\text{Mn}_2\text{O}_7$. <i>Physical Review B</i> , 2019, 99, .	1.1	12
45	Effect of electric poling on structural, magnetic and ferroelectric properties of $\text{0.8PbFe}_{0.5}\text{Nb}_{0.5}\text{O}_3\text{-0.2BiFeO}_3$ multiferroic solid solution. <i>Ceramics International</i> , 2019, 45, 13171-13178.	2.3	10
46	A new descendant of the $\hat{1}^3$ -brass family in the zinc rich Ni-Zn-In system. <i>Journal of Alloys and Compounds</i> , 2019, 786, 225-231.	2.8	1
47	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
48	Electrical-poling-induced strain effect in $\text{Pb}(\text{Fe}_{0.534}\text{W}_{0.066}\text{Nb}_{0.4})\text{O}_3$. <i>Indian Journal of Physics</i> , 2019, 93, 617-625.	0.9	1
49	Neutron diffraction study of a metallic kagome lattice, $\text{Tb}_3\text{Ru}_4\text{Al}_{12}$. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 477, 83-87.	1.0	7
50	Magnetic and magnetodielectric behavior of the Haldane spin-chain system, $\text{Ho}_2\text{BaNiO}_5$. <i>Materials Research Express</i> , 2019, 6, 036107.	0.8	1
51	Experimental and theoretical interpretation of magnetic ground state of FeMnO_3 . <i>Journal of Alloys and Compounds</i> , 2019, 774, 290-298.	2.8	13
52	Oxidation behaviour of Fe-Ni alloy nanoparticles synthesized by thermal plasma route. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	3
53	On the magnetism and magnetocaloric effect of electron-doped manganite $\text{Er}_{0.15}\text{Ca}_{0.85}\text{MnO}_3$. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	1
54	Structural and impedance spectroscopy of $\hat{1}\pm\text{-Mn}_2\text{O}_3$. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	4

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55	Magneto-structural correlation in $\text{Co}_{0.8}\text{Cu}_{0.2}\text{Cr}_2\text{O}_4$ cubic spinel. Journal of Magnetism and Magnetic Materials, 2018, 454, 342-348.	1.0	11
56	Studies on n- and p-type metal oxide compounds for thermoelectric device fabrication. Bulletin of Materials Science, 2018, 41, 1.	0.8	1
57	Single phase $\text{Pb}_{0.7}\text{Bi}_{0.3}\text{Fe}_{0.65}\text{Nb}_{0.35}\text{O}_3$ multiferroic: Neutron diffraction, impedance and modulus studies. AIP Conference Proceedings, 2018, , .	0.3	1
58	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
59	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
60	Neutron diffraction study on exotic magnetic properties of Mn substituted spinel cobalt chromite. Physica B: Condensed Matter, 2018, 551, 98-103.	1.3	3
61	Structural and Magnetic Properties of Fe-Doped Mn_2O_3 Orthorhombic Bixbyite. Journal of Superconductivity and Novel Magnetism, 2018, 31, 2179-2185.	0.8	10
62	Influence of Mn-substitution on the magnetic and thermal properties of TbCrO_3 . Journal of Alloys and Compounds, 2018, 735, 1031-1040.	2.8	5
63	In-field neutron diffraction investigation of metamagnetism in Nd_7Rh_3 . Physica B: Condensed Matter, 2018, 551, 127-131.	1.3	2
64	Low Temperature Dielectric and Impedance Spectroscopy Studies of $0.9\text{PFN} - 0.1\text{BFO}$ Multiferroic Solid Solution. Materials Today: Proceedings, 2018, 5, 10722-10727.	0.9	0
65	Structural and low temperature dielectric studies on $\text{Pb}_{0.8}\text{Bi}_{0.2}\text{Fe}_{0.6}\text{Nb}_{0.4}\text{O}_3$ multiferroic solid solution. AIP Conference Proceedings, 2018, , .	0.3	0
66	Tuning of magnetic structure and its effect on magnetic properties in $\text{Co}(\text{Cr}_{1-x}\text{Mn}_x)_2\text{O}_4$ ($x = 0$ to 0.3). Journal of Applied Physics, 2018, 124, .	1.1	4
67	BiFeO_3 induced enhancement in multiferroic properties of $\text{PbFe}_{0.5}\text{Nb}_{0.5}\text{O}_3$. Ceramics International, 2018, 44, 20449-20456.	2.3	7
68	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
69	Temperature dependent magnetic properties of $\text{Co}_{1+x}\text{TxFe}_2\text{O}_4$ ($\text{T} = \text{Zr, Ti}$). Journal of Alloys and Compounds, 2017, 700, 92-97.	2.8	16
70	Onsite magnetic moment through cation distribution and magnetocrystalline anisotropy studies in $\text{NiFe}_{2-x}\text{R}_x\text{O}_4$ ($\text{R} = \text{Y and Lu}$; $x = 0, 0.05, \text{ and } 0.075$). Journal of Applied Physics, 2017, 121, 055101.	1.1	11
71	Re-entrant spin-glass freezing and magneto-dielectric behaviour of $\text{Li}_3\text{NiRuO}_5$, a layered rock-salt related oxide. Journal of Materials Chemistry C, 2017, 5, 5163-5169.	2.7	5
72	Structure & magnetic behavior of Cu doped NdMnO_3 manganite. AIP Conference Proceedings, 2017, , .	0.3	0

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73	Room temperature neutron diffraction, optical and magnetic properties of $\text{Co}(\text{Cr}_{1-x}\text{Mn}_x)\text{O}_4$ ($x = 0.0$) Tj ETQq1 1 0,784314 rgBT /Overl	0.3	0
74	Transport properties of bismuth telluride compound prepared by mechanical alloying. AIP Conference Proceedings, 2017, , .	0.3	2
75	Low-temperature neutron diffraction and magnetic studies on the magnetoelectric multiferroic $\text{Pb}(\text{Fe}_{0.534}\text{Nb}_{0.4}\text{W}_{0.066})\text{O}_3$. Journal of Materials Science, 2017, 52, 10709-10717.	1.7	6
76	Evidence for Room-Temperature Weak Ferromagnetic and Ferroelectric Ordering in Magnetoelectric $\text{Pb}(\text{Fe}_{0.634}\text{W}_{0.266}\text{Nb}_{0.1})\text{O}_3$ Ceramic. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1317-1325.	0.8	12
77	Synthetically tuned structural variations in $\text{CePd}_x\text{Ge}_{2-x}$ ($x = 0.21, 0.32, 0.69$) towards diverse physical properties. Inorganic Chemistry Frontiers, 2017, 4, 241-255.	3.0	3
78	Spin reorientation and disordered rare earth magnetism in $\text{Ho}_2\text{FeCoO}_6$. Journal of Physics Condensed Matter, 2017, 29, 475804.	0.7	16
79	Impedance spectroscopy studies on $\text{PbFe}_{0.5}\text{Nb}_{0.5}\text{O}_3$ "BiFeO ₃ multiferroic solid solution. Ceramics International, 2017, 43, 16684-16692.	2.3	21
80	Magnetic structure and magnetism of divalent Zn doped NdMnO_3 . AIP Conference Proceedings, 2017, , .	0.3	0
81	Effect of frustrated exchange interactions and spin-half impurity on the electronic structure of strongly correlated NiFe_2O_4 . Physical Review B, 2017, 96, .	1.1	23
82	Structural, dielectric and conductivity studies of $\text{PbFe}_{0.5}\text{Nb}_{0.5}\text{O}_3$ - BiFeO_3 multiferroic solid solution. Journal of Alloys and Compounds, 2017, 724, 787-798.	2.8	21
83	Neutron diffraction, Mössbauer and electron paramagnetic resonance studies of $\text{Pb}_{0.8}\text{Bi}_{0.2}\text{Fe}_{0.6}\text{Nb}_{0.4}\text{O}_3$ multiferroic. AIP Conference Proceedings, 2017, , .	0.3	1
84	Structure and magnetic behavior of Zn doped NdMnO_3 manganite: Neutron diffraction study. Ceramics International, 2017, 43, 14962-14967.	2.3	10
85	Temperature dependent neutron diffraction of yttrium doped hexagonal HoMnO_3 . AIP Conference Proceedings, 2017, , .	0.3	0
86	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
87	Near room temperature magnetodielectric consequence in (Li, Ti) doped NiO ceramic. Journal of Applied Physics, 2016, 119, .	1.1	17
88	Structural, Magnetic and Dielectric Studies of $\text{Pb}_{0.9}\text{Bi}_{0.1}\text{Fe}_{0.55}\text{Nb}_{0.45}\text{O}_3$ Multiferroic Solid solution. IOP Conference Series: Materials Science and Engineering, 2016, 149, 012163.	0.3	0
89	Room temperature neutron diffraction and magnetic studies of multiferroic $\text{Pb}_{0.9}\text{Bi}_{0.1}\text{Fe}_{0.55}\text{Nb}_{0.45}\text{O}_3$ solid solution. AIP Conference Proceedings, 2016, , .	0.3	0
90	Neutron diffraction, specific heat and magnetization studies on $\text{Nd}_2\text{CuTiO}_6$. AIP Conference Proceedings, 2016, , .	0.3	1

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91	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
92	Neutron diffraction, Mössbauer and ferroelectric studies on magnetoelectric Pb _{0.9} Bi _{0.1} Fe _{0.55} Nb _{0.45} O ₃ . AIP Conference Proceedings, 2016, , .	0.3	4
93	A rock-salt-type Li-based oxide, Li ₃ Ni ₂ RuO ₆ , exhibiting a chaotic ferrimagnetism with cluster spin-glass dynamics and thermally frozen charge carriers. Scientific Reports, 2016, 6, 31883.	1.6	19
94	Correlation of exchange bias with magneto-structural effects across the compensation temperature of Co(Cr _{1-x} Fe _x) ₂ O ₄ (x = 0.05 and 0.075). Journal of Applied Physics, 2016, 119, .	1.1	13
95	Composition dependent room temperature structure, electric and magnetic properties in magnetoelectric Pb(Fe _{1/2} Nb _{1/2})O ₃ Pb(Fe _{2/3} W _{1/3})O ₃ solid-solutions. Journal of Alloys and Compounds, 2016, 677, 27-37.	2.8	30
96	Studies on the magnetoelastic and magnetocaloric properties of Yb _{1-x} Mg _x MnO ₃ using neutron diffraction and magnetization measurements. RSC Advances, 2016, 6, 48636-48643.	1.7	7
97	Low temperature neutron diffraction studies on Co(Cr _{1-x} Fe _x) ₂ O ₄ (x = 0.05 and 0.075). RSC Advances, 2016, 6, 93511-93518.	1.7	11
98	Frustrated Ising chains on the triangular lattice in $Sr_{1-x}Mn_xMnO_3$. Physical Review B, 2016, 93, .	1.3	13
99	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
100	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
101	Magnetic structure of Co(Cr _{0.925} Fe _{0.075}) ₂ O ₄ . AIP Conference Proceedings, 2016, , .	0.3	0
102	Investigation on structural, Mössbauer and ferroelectric properties of (1-x)PbFe _{0.5} Nb _{0.5} O ₃ (x)BiFeO ₃ solid solution. Journal of Magnetism and Magnetic Materials, 2016, 418, 122-127.	1.0	40
103	Correlation between electrical and magnetic properties of polycrystalline La _{0.5} Ca _{0.5} Mn _{0.98} Bi _{0.02} O ₃ . Journal of Magnetism and Magnetic Materials, 2016, 408, 116-120.	1.0	34
104	Swinging Symmetry, Multiple Structural Phase Transitions, and Versatile Physical Properties in RE ₃ CuGa (RE = La, Nd, Sm, Gd). Inorganic Chemistry, 2016, 55, 666-675.	1.9	7
105	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
106	Coexistence of spin glass type freezing and cooperative paramagnetic state in $Sr_{1-x}Mn_xMnO_3$. Physical Review B, 2015, 92, .	1.1	11
107	Global and local structural variations near the antiferroelectric regime in Na _{0.5} Bi _{0.5} TiO ₃ . AIP Conference Proceedings, 2015, , .	0.3	2
108	Neutron diffraction, Mössbauer effect and electron paramagnetic resonance studies on multiferroic Pb(Fe _{2/3} W _{1/3})O ₃ . AIP Conference Proceedings, 2015, , .	0.3	3

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109	Investigation of structural, vibrational and ferroic properties of AgNbO ₃ at room temperature using neutron diffraction, Raman scattering and density-functional theory. Journal Physics D: Applied Physics, 2015, 48, 215303.	1.3	25
110	Thermodynamic properties of multiferroic Mg doped YbMnO ₃ . Journal of Alloys and Compounds, 2015, 644, 830-835.	2.8	10
111	Enhanced magnetic ordering temperature and dielectric behavior in off-stoichiometric Ca ₃ Cu ^x Mn _{1-x} O ₆ (x=0.07). Solid State Communications, 2015, 223, 67-73.	0.9	2
112	Structural, transport and magnetic properties of monovalent doped La ^x NaxMnO ₃ manganites. Ceramics International, 2015, 41, 7162-7173.	2.3	63
113	Magnetically Frustrated Double Perovskites: Synthesis, Structural Properties, and Magnetic Order of Sr ₂ B ₆ OsO ₆ (B = Y, In, Sc). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 197-205.	0.6	47
114	Structural and magnetic properties of Nd ₂ NiGe ₃ . Journal of Alloys and Compounds, 2015, 632, 172-177.	2.8	7
115	Magnetic and electrical studies on La _{0.4} Sm _{0.1} Ca _{0.5} MnO ₃ charge ordered manganite. Journal of Magnetism and Magnetic Materials, 2015, 381, 470-477.	1.0	49
116	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
117	Origin of room temperature weak-ferromagnetism in antiferromagnetic Pb(Fe _{2/3} W _{1/3})O ₃ ceramic. Ceramics International, 2015, 41, 11680-11686.	2.3	24
118	Evidence for magneto-electric and spin-lattice coupling in PbFe _{0.5} Nb _{0.5} O ₃ through structural and magneto-electric studies. Journal of Materials Science, 2015, 50, 4980-4993.	1.7	45
119	On the Room Temperature Ferromagnetic and Ferroelectric Properties of Pb(Fe _{1/2} Nb _{1/2})O ₃ . Journal of Superconductivity and Novel Magnetism, 2015, 28, 2465-2472.	0.8	21
120	Magnetic and magnetocaloric properties of FeMnO ₃ . Ceramics International, 2015, 41, 9567-9571.	2.3	29
121	Influence of Al doping in LaCoO ₃ on structural, electrical and magnetic properties. Journal of Materials Science, 2015, 50, 366-373.	1.7	12
122	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
123	Structure and microstructure dependent transport and magnetic properties of sol-gel grown nanostructured La _{0.6} Nd _{0.1} Sr _{0.3} MnO ₃ manganites: Role of oxygen. Applied Surface Science, 2015, 356, 1272-1281.	3.1	59
124	Specific heat and magnetocaloric studies of hexagonal Yb ^x Er _x MnO ₃ . Materials Letters, 2015, 161, 419-422.	1.3	15
125	B-site bismuth doping effect on structural, magnetic and magnetotransport properties of La _{0.5} Ca _{0.5} Mn ^x Bi _x O ₃ . Ceramics International, 2015, 41, 2637-2647.	2.3	73
126	Size induced inverse spins canting in CO ₂ -Zn system: Neutron diffraction and magnetic studies. Journal of Magnetism and Magnetic Materials, 2015, 377, 133-136.	1.0	4

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