

J L Garca-Muoz

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196
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#	Paper	IF	Citations
196	Colossal magnetoresistance of ferromagnetic manganites: Structural tuning and mechanisms. <i>Physical Review Letters</i> , 1996 , 76, 1122-1125	7.4	467
195	Neutron-diffraction study of RNiO ₃ (R=La,Pr,Nd,Sm): Electronically induced structural changes across the metal-insulator transition. <i>Physical Review B</i> , 1992 , 46, 4414-4425	3.3	412
194	Charge Disproportionation in RNiO ₃ Perovskites: Simultaneous Metal-Insulator and Structural Transition in YNiO ₃ . <i>Physical Review Letters</i> , 1999 , 82, 3871-3874	7.4	307
193	Structural characterization of R ₂ BaCuO ₅ (R = Y, Lu, Yb, Tm, Er, Ho, Dy, Gd, Eu and Sm) oxides by X-ray and neutron diffraction. <i>Journal of Solid State Chemistry</i> , 1992 , 100, 201-211	3.3	249
192	Selective spin-state switch and metal-insulator transition in GdBaCo ₂ O _{5.5} . <i>Physical Review B</i> , 2002 , 65,	3.3	227
191	Two-dimensional mapping of chemical information at atomic resolution. <i>Physical Review Letters</i> , 2007 , 99, 086102	7.4	217
190	Neutron-diffraction study of the magnetic ordering in the insulating regime of the perovskites RNiO ₃ (R=Pr and Nd). <i>Physical Review B</i> , 1994 , 50, 978-992	3.3	156
189	Room-temperature monoclinic distortion due to charge disproportionation in RNiO ₃ perovskites with small rare-earth cations (R=Ho, Y, Er, Tm, Yb, and Lu): A neutron diffraction study. <i>Physical Review B</i> , 2000 , 61, 1756-1763	3.3	154
188	RNiO ₃ perovskites (R=Pr,Nd): Nickel valence and the metal-insulator transition investigated by x-ray-absorption spectroscopy. <i>Physical Review B</i> , 1992 , 46, 14975-14984	3.3	136
187	High-temperature orbital and charge ordering in Bi _{1/2} Sr _{1/2} MnO ₃ . <i>Physical Review B</i> , 2001 , 63,	3.3	131
186	Magnetic and magnetotransport properties of GdBaCo ₂ O _{5+δ} : A high magnetic-field study. <i>Physical Review B</i> , 2001 , 64,	3.3	127
185	Tailoring Oxygen Content on PrBaCo ₂ O _{5+δ} Layered Cobaltites. <i>Chemistry of Materials</i> , 2005 , 17, 5439-5445	4.5	126
184	Pressure effects on the metal-insulator transition in magnetoresistive manganese perovskites. <i>Physical Review B</i> , 1997 , 56, R10009-R10012	3.3	123
183	Sudden Appearance of an Unusual Spin Density Wave At the Metal-Insulator Transition in the Perovskites RNiO ₃ (R = Pr, Nd). <i>Europhysics Letters</i> , 1992 , 20, 241-247	1.6	113
182	Magnetic structure evolution of NdMnO ₃ derived from neutron diffraction data. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 1361-1376	1.8	90
181	High-temperature structural evolution of RNiO ₃ (R=Ho,Y, Er, Lu) perovskites: Charge disproportionation and electronic localization. <i>Physical Review B</i> , 2001 , 64,	3.3	88
180	Magnetic frustration in mixed valence manganites. <i>Physical Review B</i> , 1997 , 55, R668-R671	3.3	75

179	Charge localization, magnetic order, structural behavior, and spin dynamics of (La \square b) $_{2/3}$ Ca $_{1/3}$ MnO $_3$ manganese perovskites probed by neutron diffraction and muon spin relaxation. <i>Physical Review B</i> , 1997 , 56, 3317-3324	3.3	72
178	Effect of band filling and structural distortions on the Curie temperature of Fe-Mo double perovskites. <i>Physical Review B</i> , 2003 , 68,	3.3	71
177	Structure and charge order in the antiferromagnetic band-insulating phase of NdNiO $_3$. <i>Physical Review B</i> , 2009 , 79,	3.3	70
176	Spin state of Co $^{3+}$ and magnetic transitions in RBaCo $_{2.5}$ O $_{5.5}$ (R=Pr,Gd): Dependence on rare-earth size. <i>Physical Review B</i> , 2006 , 74,	3.3	69
175	Crystal structures and in-situ formation study of mayenite electrides. <i>Inorganic Chemistry</i> , 2007 , 46, 4167-4176	3.3	68
174	Bandwidth narrowing in bulk magnetoresistive oxides. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, L787-L793	1.8	61
173	Reduction of the Jahn-Teller distortion at the insulator-to-metal transition in mixed valence manganites. <i>Physical Review B</i> , 1997 , 55, 34-37	3.3	61
172	Magnetic susceptibility and field-induced transitions in R $_2$ BaNiO $_5$ compounds (R = Tm, Er, Ho, Dy, Tb, Gd, Sm, Nd, Pr). <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 149, 363-372	2.8	56
171	Influence of carrier injection on the metal-insulator transition in electron- and hole-doped R $_{1-x}$ A $_x$ NiO $_3$ perovskites. <i>Physical Review B</i> , 1995 , 52, 13563-13569	3.3	54
170	High magnetic field study of charge melting in Bi $_{1/2}$ (Sr,Ca) $_{1/2}$ MnO $_3$ perovskites: Unconventional behavior of bismuth charge ordered compounds. <i>Physical Review B</i> , 2003 , 67,	3.3	52
169	Effect of cation disorder on structural, magnetic and dielectric properties of La $_2$ MnCoO $_6$ double perovskite. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 496003	1.8	51
168	High magnetic field study of lattice and magnetic effects on the charge-melting transition in L $_{1/2}$ Ca $_{1/2}$ MnO $_3$ perovskites. <i>Physical Review B</i> , 2000 , 61, 9014-9018	3.3	50
167	Magnetic structure of the HoNiO $_3$ perovskite. <i>Physical Review B</i> , 2001 , 64,	3.3	50
166	Low-temperature charge and magnetic order of Bi $_{0.5}$ Sr $_{0.5}$ MnO $_3$. <i>Physical Review B</i> , 2001 , 64,	3.3	49
165	Valence transition in (Pr,Ca)CoO $_3$ cobaltites: Charge migration at the metal-insulator transition. <i>Physical Review B</i> , 2011 , 84,	3.3	45
164	High-Pressure Preparation, Crystal Structure, Magnetic Properties, and Phase Transitions in GdNiO $_3$ and DyNiO $_3$ Perovskites. <i>Chemistry of Materials</i> , 1999 , 11, 2463-2469	9.6	44
163	Structural and magnetic study of PrBaCo $_{2.05}$ + \square (\square 0.75) cobaltite. <i>Physical Review B</i> , 2004 , 70,	3.3	42
162	Valence change of praseodymium in Pr $_{0.5}$ Ca $_{0.5}$ CoO $_3$ investigated by x-ray absorption spectroscopy. <i>Physical Review B</i> , 2011 , 84,	3.3	41

161	Phase coexistence, magnetic inhomogeneity, and disorder in the charge-ordered state of $\text{Pr}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$. <i>Physical Review B</i> , 2000 , 62, 3381-3388	3-3	40
160	Spin-state transition in $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{CoO}_3$ analyzed by x-ray absorption and emission spectroscopies. <i>Physical Review B</i> , 2012 , 86,	3-3	39
159	Room Temperature Structural and Microstructural Study for the Magneto-Conducting $\text{La}_{5/8-x}\text{Pr}_x\text{Ca}_{3/8}\text{MnO}_3$ ($0 \leq x \leq 5/8$) Series. <i>Chemistry of Materials</i> , 2003 , 15, 167-174	9.6	38
158	Room temperature charge and orbital ordering and phase coexistence in $\text{Bi}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 1071-1078	1.8	37
157	Extraordinary thermopower in magnetoresistive $(\text{La}_{1-x}\text{Y}_x)_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ oxides. <i>Applied Physics Letters</i> , 1996 , 68, 2288-2290	3-4	37
156	Selective spin-state and metal-insulator transitions in $\text{GdBaCo}_2\text{O}_{5.5}$. <i>Journal of Solid State Chemistry</i> , 2003 , 171, 349-352	3-3	36
155	Crystal and magnetic structures of Bi_2CuO_4 . <i>Journal of Physics Condensed Matter</i> , 1990 , 2, 2205-2214	1.8	36
154	Charge and orbital order in rare-earth and Bi manganites: a comparison. <i>Journal of Solid State Chemistry</i> , 2003 , 171, 84-89	3-3	35
153	Structural and magnetic characterization of RCrO_4 oxides (R=Nd, Er and Tm). <i>Journal of Solid State Chemistry</i> , 2003 , 171, 161-169	3-3	35
152	Tetragonal to monoclinic transition in the metallic antiferromagnet $\text{Pr}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$. <i>Physical Review B</i> , 1999 , 60, R9889-R9892	3-3	35
151	Magnetic order and magnetoelectric properties of R_2CoMnO_6 perovskites (R=Ho, Tm, Yb, and Lu). <i>Physical Review B</i> , 2017 , 96,	3-3	33
150	Role of A-site cations in the metal-insulator transition in $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{CoO}_3$. <i>Physical Review B</i> , 2010 , 81,	3-3	33
149	Charge Self-compensation in the Nonlinear Optical Crystals $\text{Rb}_{0.855}\text{Ti}_{0.955}\text{Nb}_{0.045}\text{OPO}_4$ and $\text{RbTi}_{0.927}\text{Nb}_{0.056}\text{Er}_{0.017}\text{OPO}_4$. <i>Chemistry of Materials</i> , 2003 , 15, 2338-2345	9.6	33
148	Structural Characterization of $\text{R}_2\text{Cu}_2\text{O}_5$ (R = Yb, Tm, Er, Y, and Ho) Oxides by Neutron Diffraction. <i>Journal of Solid State Chemistry</i> , 1995 , 115, 324-331	3-3	33
147	Unveiling a New High-Temperature Ordered Magnetic Phase in LiFe_2O_3 . <i>Chemistry of Materials</i> , 2017 , 29, 9705-9713	9.6	32
146	Magnetoelectric and structural properties of Y_2CoMnO_6 : The role of antisite defects. <i>Physical Review B</i> , 2016 , 93,	3-3	32
145	Incommensurate magnetic structures of multiferroic MnWO_4 studied within the superspace formalism. <i>Physical Review B</i> , 2013 , 87,	3-3	30
144	Avalanches, irreversibility, and phase separation in Co-substituted $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{Mn}_{1-x}\text{Co}_x\text{O}_3$. <i>Physical Review B</i> , 2006 , 74,	3-3	30

143	Band filling versus bond bending in substituted $LxSr_{2-x}FeMoO_6$ (L=Ca, La, Nd) compounds. <i>Journal of Applied Physics</i> , 2004 , 95, 7082-7084	2.5	30
142	A structural and magnetic study of the defect perovskite from high-resolution neutron diffraction data. <i>Journal of Physics Condensed Matter</i> , 1997 , 9, 6417-6426	1.8	28
141	Magnetic properties of $Bi_{0.75}Sr_{0.25}MnO_3$ ($x=0.8$, TCO=600K): Ferromagnetism and charge order. <i>Physical Review B</i> , 2005 , 72,	3.3	26
140	Layered and pillared metal carboxyethylphosphonate hybrid compounds. <i>Dalton Transactions</i> , 2006 , 577-85	4.3	26
139	Enhanced stability of charge-order in underdoped $Bi_{0.75}Sr_{0.25}MnO_3$. <i>Solid State Communications</i> , 2003 , 125, 277-280	1.6	26
138	Complex magnetic structures of the rare-earth cuprates $R_2Cu_2O_5$ (R=Y, Ho, Er, Yb, Tm). <i>Physical Review B</i> , 1991 , 44, 4716-4719	3.3	26
137	Synthesis deintercalation and transport properties of a mixed-valence derivative of the layered oxide $HLaNb_2O_7$. <i>Materials Research Bulletin</i> , 1996 , 31, 217-225	5.1	25
136	Evidence of large magneto-dielectric effect coupled to a metamagnetic transition in Yb_2CoMnO_6 . <i>Applied Physics Letters</i> , 2015 , 107, 012902	3.4	24
135	Pressure-induced melting of charge-order in the self-doped Mott insulator $YNiO_3$. <i>Physical Review B</i> , 2004 , 69,	3.3	24
134	Charge and Zener polaron order in $Bi_{0.75}Sr_{0.25}MnO_3$. <i>Physical Review B</i> , 2003 , 68,	3.3	24
133	Spin-disorder scattering and localization in magnetoresistive $(La_{1-x}Y_x)_{2/3}Ca_{1/3}MnO_3$ perovskites. <i>Physical Review B</i> , 1996 , 54, 10001-10007	3.3	24
132	Dependence of the physical properties of $Nd_{0.5}Ca_{0.5}MnO_3+\delta$ on the oxidation state of Mn. <i>Physical Review B</i> , 2000 , 62, 3002-3005	3.3	23
131	Muon-spin-relaxation study of magnetic order in $RNiO_3$ (R=rare earth) below the metal-insulator transition. <i>Physical Review B</i> , 1995 , 51, 15197-15202	3.3	23
130	Checkerboard-ordered pattern of $Bi_{0.5}Sr_{0.5}MnO_3$ low-temperature phase probed by x-ray resonant scattering. <i>Physical Review B</i> , 2006 , 73,	3.3	22
129	Magnetic transitions in the positional isomers (4-HOPNN and 2-HOPNN) of an organic nitronyl nitroxide radical using muon spin rotation. <i>Chemical Physics Letters</i> , 1998 , 293, 160-166	2.5	21
128	Magnetic and structural features of the $NdNi(1-x)Mn(x)O_3$ perovskite series investigated by neutron diffraction. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 226001	1.8	20
127	Chemical tuning of the colossal magnetoresistance of ferromagnetic perovskites. <i>Europhysics Letters</i> , 1996 , 34, 379-384	1.6	20
126	Ferromagnetic layers in $Y_2Cu_2O_5$: a neutron diffraction study. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1990 , 149, 319-327	2.3	20

125	Conical antiferromagnetic order in the ferroelectric phase of $\text{Mn}_{0.8}\text{Co}_{0.2}\text{WO}_4$ resulting from the competition between collinear and cycloidal structures. <i>Physical Review B</i> , 2012 , 85,	3-3	19
124	Spin dynamics in pure and Zn-doped CuGeO_3 by muon spin relaxation: Spin-Peierls and spin-glass transitions. <i>Physical Review B</i> , 1995 , 52, 4288-4293	3-3	19
123	Neutron diffraction, magnetic, and magnetoelectric studies of phase transitions in multiferroic $\text{Mn}_{0.90}\text{Co}_{0.10}\text{WO}_4$. <i>Physical Review B</i> , 2012 , 85,	3-3	18
122	Magnetic behavior of $\text{R}_2\text{Cu}_2\text{O}_5$ cuprates studied by neutron diffraction. <i>Physical Review B</i> , 1995 , 51, 6594-6601	3-3	17
121	Consequences of embedding Ti^{4+} 3d0 centers in $\text{Pr}_{0.50}\text{Ca}_{0.50}\text{MnO}_3$: Phase competition in $\text{Pr}_{0.50}\text{Ca}_{0.50}\text{Mn}_{1-x}\text{Ti}_x\text{O}_3$. <i>Physical Review B</i> , 2010 , 81,	3-3	16
120	Multilevel hierarchy of phase separation processes in $\text{La}_{5/8}\text{Pr}_{1/8}\text{Ca}_{3/8}\text{MnO}_3$. <i>Physical Review B</i> , 2011 , 84,	3-3	16
119	High magnetic polarizability of magnetoresistive manganese oxides. <i>Solid State Communications</i> , 1996 , 97, 1033-1038	1.6	16
118	Dielectric properties of $\text{Bi}_{1-x}\text{Sr}_x\text{MnO}_3$ ($x=0.40,0.50$) manganites: Influence of room temperature charge order. <i>Journal of Applied Physics</i> , 2009 , 105, 084116	2.5	15
117	Effects of A-site disorder in the properties of A_2CoMnO_6 (A = La, Tb). <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 386001	1.8	13
116	Simultaneous para-ferrimagnetic, metal-insulator, and orthorhombic-monoclinic transitions in $\text{YBaCo}_2\text{O}_{5.50}$. <i>Physical Review B</i> , 2010 , 81,	3-3	13
115	Effect of cation site-disorder on the structure and magneto-transport properties of $\text{Ln}_{5/8}\text{M}_{3/8}\text{MnO}_3$ manganites. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 1949-1958	3-3	13
114	Chemical Heterogeneity in a Single Phase: $\text{Bi}_{0.15}\text{Ca}_{0.85}\text{MnO}_3$, a Case Example of Macroscopic Phase Segregation. <i>Chemistry of Materials</i> , 2000 , 12, 3648-3657	9.6	13
113	Lattice compression and charge transfer in electron-doped $\text{L}_2\text{CexCuO}_4$ superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 268, 173-179	1-3	13
112	Origin of the Multiferroic-Like Properties of $\text{Er}_2\text{CoMnO}_6$. <i>Solid State Phenomena</i> , 2016 , 257, 95-98	0.4	12
111	Spin state transition: the origin of structural, magnetic and metal-insulator transitions in $\text{GdBaCo}_2\text{O}_{5+\delta}$ ($\delta=0.5$). <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 242-245, 751-753	2.8	12
110	Neutron-diffraction study of magnetization avalanches in $\text{Pr}_{0.50}\text{Ca}_{0.50}\text{Mn}_{1-x}\text{Ni}_x\text{O}_3$. <i>Journal of Applied Physics</i> , 2005 , 97, 10H701	2.5	12
109	Structural, spin state, and magnetic transitions in $\text{GdBaCo}_2\text{O}_{5+\delta}$ ($\delta=0.5$). <i>Journal of Alloys and Compounds</i> , 2001 , 323-324, 468-471	5-7	12
108	X phase of MnWO_4 . <i>Physical Review B</i> , 2014 , 90,	3-3	11

107	Short- and Long-Range Orbital Order in Phase Separated Pr _{0.50} Ca _{0.50} Mn _{0.99} Ti _{0.01} O ₃ : Its Role in Thermal Hysteresis. <i>Chemistry of Materials</i> , 2008 , 20, 3068-3075	9.6	11
106	Relevance of solid solution randomness for long-range phase separation in highly correlated oxides. <i>Europhysics Letters</i> , 2008 , 84, 67011	1.6	11
105	Influence of R-ion size on spin state of Co and magnetic properties of RBaCo ₂ O _{5.50} cobaltites. <i>Journal of Applied Physics</i> , 2008 , 103, 07F713	2.5	11
104	High magnetic field study of HoBaCo ₂ O _{5.5} and GdBaCo ₂ O _{5.5} layered cobaltites: the effect of rare-earth size. <i>Physica B: Condensed Matter</i> , 2004 , 346-347, 246-249	2.8	11
103	Magnetic correlations in YBa ₂ (Cu _{1-x} Fex) ₃ O _{6+y} . <i>Journal of Magnetism and Magnetic Materials</i> , 1992 , 104-107, 555-556	2.8	11
102	Neutron Powder Diffraction Studies of Magnetic Quasi-degenerated Oxides with Competing Degrees of Freedom. <i>Neutron News</i> , 2010 , 21, 15-19	0.4	10
101	Effects of the A-site cation number on the properties of Ln _{5/8} M _{3/8} MnO ₃ manganites. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 1083-1089	3.3	10
100	Crystal structure and magnetism in the defect perovskite LaNiO _{2.5} . <i>Physica B: Condensed Matter</i> , 1997 , 234-236, 18-19	2.8	10
99	Study of the oxygen-deficient double perovskite PrBaCo ₂ O _{5.75} . <i>Physica B: Condensed Matter</i> , 2004 , 350, E277-E279	2.8	10
98	Electronic and magnetic transitions in Bi ₂ BrMnO ₆ oxides: high temperature charge-ordering. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 242-245, 645-647	2.8	10
97	Competing magnetic interactions in manganese perovskites. <i>Journal of Applied Physics</i> , 1997 , 81, 5481-5483	4.3	9
96	Magnetic and electronic properties of the oxygen-deficient PrBaCo ₂ O _{5+δ} ($\delta > 0.50$). <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1762-1763	2.8	9
95	Charge disproportionation in RNiO ₃ perovskites. <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 218-221	2.8	9
94	Lattice anomalies at the ferroelectric and magnetic transitions in cycloidal Mn _{0.95} Co _{0.05} WO ₄ and conical Mn _{0.80} Co _{0.20} WO ₄ multiferroics. <i>Physical Review B</i> , 2012 , 86,	3.3	8
93	The effect of oxygen disorder on magnetic properties of PrBaCo ₂ O _{5.50} layered cobaltite. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 104228	1.8	8
92	Effects of d ₀ substitution on phase competition in Pr _{0.50} Ca _{0.50} Mn _{1-x} TixO ₃ . <i>Journal of Applied Physics</i> , 2008 , 103, 07F719	2.5	8
91	A μ R search for localised moments in YBa ₂ (Cu _{1-x} Znx) ₃ O ₇ . <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 1085-1086	1.3	8
90	Magnetostructural coupling, magnetic ordering, and cobalt spin reorientation in metallic Pr _{0.5} Sr _{0.5} CoO ₃ cobaltite. <i>Physical Review B</i> , 2016 , 94,	3.3	7

89	Magnetic and electronic properties of the ferroelectric-photovoltaic ordered double perovskite $\text{CaMnTi}_2\text{O}_6$ investigated by x-ray absorption spectroscopies. <i>Physical Review B</i> , 2018 , 97,	3.3	7
88	Magnetic, structural properties and B-site order of two epitaxial $\text{La}_2\text{CoMnO}_6$ films with perpendicular out-of-plane orientation. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 092002	0.3	7
87	The checkerboard pattern of $\text{Bi}_{0.63}\text{Sr}_{0.37}\text{MnO}_3$ determined using resonant x-ray scattering at the Mn K edge. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 235211	1.8	7
86	Ferromagnetic coupling strength and electron-doping effects in double perovskites. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 974-980	2.8	7
85	Magnetism and vacancy ordering in $\text{PrBaCo}_2\text{O}_{5+\delta}$ ($\delta \approx 0.50$). <i>Journal of Applied Physics</i> , 2005 , 97, 10C106	2.5	7
84	Stability of charge-ordering and H-T diagrams of $\text{Ln}_{1-x}\text{Ca}_x\text{MnO}_3$ manganites in pulsed magnetic field up to 50 T. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 211, 128-132	2.8	7
83	The nature of magnetic order in $\text{YBa}_2(\text{Cu}_{0.9}\text{Fe}_{0.1})_3\text{O}_{7.2}$: A neutron polarisation analysis study. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 1173-1174	1.3	7
82	Direct observation of noncollinear order of Co and Mn moments in multiferroic $\text{Mn}_{0.85}\text{Co}_{0.15}\text{WO}_4$. <i>Physical Review B</i> , 2015 , 91,	3.3	6
81	Stability of the cationic oxidation states in $\text{Pr}_{0.50}\text{Sr}_{0.50}\text{CoO}_3$ across the magnetostructural transition by X-ray absorption spectroscopy. <i>Inorganic Chemistry</i> , 2014 , 53, 8854-8	5.1	6
80	Magnetic behavior of $\text{La}_2\text{CoMnO}_6$ crystal doped with Pb and Pt. <i>Materials Research Bulletin</i> , 2012 , 47, 4001-4005	5.1	6
79	Spin state and structural changes at the metal-insulator transition in $\text{YBaCo}_2\text{O}_{5.5}$ by synchrotron x-rays). <i>Journal of Applied Physics</i> , 2012 , 111, 07D710	2.5	6
78	Successful synthesis of $\text{Hg}_{0.80}\text{Re}_{0.20}\text{Sr}_2\text{Ca}_{n-1}\text{Cu}_n\text{O}_{2n+2+\delta}$ ($n = 1, 2$) by the sealed quartz tube technique. <i>Journal of Materials Science</i> , 1998 , 33, 5359-5363	4.3	6
77	Spin state and magnetic interactions of in. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, e731-e733	2.8	6
76	Chemical pressure effects on the optimization of TC in T' electron doped superconducting cuprates. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 789-790	1.3	6
75	Magnetocapacitance effect and magnetoelectric coupling in type-II multiferroic HoFeWO_6 . <i>Physical Review B</i> , 2021 , 103,	3.3	6
74	Magnetic field induced phase transitions and phase diagrams of multiferroic $\text{Mn}_{0.95}\text{Co}_{0.05}\text{WO}_4$ with cycloidal spin structure. <i>Physical Review B</i> , 2017 , 96,	3.3	5
73	Field effects with $\text{H} \parallel \mathbf{b}$ on the incommensurate magnetic structures of multiferroic MnWO_4 studied within the superspace formalism. <i>Physical Review B</i> , 2015 , 91,	3.3	5
72	Spin ordering and physical properties of NaPrFeWO_6 and NaSmFeWO_6 with polar double perovskite structure. <i>Acta Materialia</i> , 2019 , 176, 53-62	8.4	5

71	Structural properties and singular phase transitions of metallic Pr _{0.50} Sr _{0.50} CoO ₃ cobaltite. <i>Inorganic Chemistry</i> , 2014 , 53, 12297-304	5.1	5
70	µR study of short-range charge order in YNiO ₃ above the monoclinic↔rthorhombic transition. <i>Physica B: Condensed Matter</i> , 2006 , 374-375, 87-90	2.8	5
69	Anomalously high charge/orbital ordering temperature in Bi _{0.5} Sr _{0.5} MnO ₃ . <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s1787-s1789	2.6	5
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67	Magnetism in the low-doping regime (x. <i>Journal of Applied Physics</i> , 2005 , 97, 10C105	2.5	5
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42	Symmetry mode analysis of distorted polar/nonpolar structures in A-site ordered SmBaMn ₂ O ₆ perovskite. <i>Physical Review B</i> , 2021 , 103,	3-3	3
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34	Spin disorder and magnetic properties of Bi _{3/4} Ca _{1/4} MnO ₃ . <i>Journal of Applied Physics</i> , 2008 , 103, 07F718	2.5	2
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