

# J L Garca-Muoz

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

196  
papers

5,975  
citations

38  
h-index

72  
g-index

208  
ext. papers

6,364  
ext. citations

3.2  
avg. IF

5.1  
L-index

#	Paper	IF	Citations
196	Magnetic order and magnetic properties of the oxygen deficient SmBaMn <sub>2</sub> O <sub>5</sub> layered perovskite. <i>Materials Research Bulletin</i> , <b>2022</b> , 150, 111780	5.1	0
195	Magnetic properties of a highly ordered single crystal of the layered perovskite YBaCuFe <sub>0.95</sub> Mn <sub>0.05</sub> O <sub>5</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2022</b> , 551, 169165	2.8	0
194	Coexistence of structural and magnetic phases in van der Waals magnet CrI. <i>Nature Communications</i> , <b>2021</b> , 12, 6265	17.4	4
193	Magnetocapacitance effect and magnetoelectric coupling in type-II multiferroic HoFeWO <sub>6</sub> . <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	6
192	Tuning the tilting of the spiral plane by Mn doping in YBaCuFeO <sub>5</sub> multiferroic. <i>Acta Materialia</i> , <b>2021</b> , 206, 116608	8.4	1
191	Symmetry mode analysis of distorted polar/nonpolar structures in A-site ordered SmBaMn <sub>2</sub> O <sub>6</sub> perovskite. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	3
190	Structure and phase transitions in A-site ordered RBaMn <sub>2</sub> O <sub>6</sub> (R=Pr,Nd) perovskites with a polar ground state. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	3
189	Determination of the Crystal Structures in the A-Site-Ordered YBaMn <sub>2</sub> O <sub>6</sub> Perovskite. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 19467-19480	3.8	2
188	Magnetic properties of Cr-substituted $\sqrt{2}(\text{Fe}_{1-x}\text{Cr}_x)_2\text{O}_3$ nanoparticles with epsilon structure. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2020</b> , 506, 166764	2.8	3
187	Magnetic inversion symmetry breaking and spin reorientation in Tb <sub>2</sub> MnNiO <sub>6</sub> : A polar strong ferromagnet. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	2
186	Spin ordering and physical properties of NaPrFeWO <sub>6</sub> and NaSmFeWO <sub>6</sub> with polar double perovskite structure. <i>Acta Materialia</i> , <b>2019</b> , 176, 53-62	8.4	5
185	Double-cell superstructure and vacancy ordering in tensile-strained metallic thin films of Pr <sub>0.50</sub> Ca <sub>0.50</sub> CoO <sub>3</sub> on LaAlO <sub>3</sub> . <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	2
184	Magnetic and electronic properties of the ferroelectric-photovoltaic ordered double perovskite CaMnTi <sub>2</sub> O <sub>6</sub> investigated by x-ray absorption spectroscopies. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	7
183	Unveiling a New High-Temperature Ordered Magnetic Phase in $\sqrt{2}\text{Fe}_2\text{O}_3$ . <i>Chemistry of Materials</i> , <b>2017</b> , 29, 9705-9713	9.6	32
182	Magnetic field induced phase transitions and phase diagrams of multiferroic Mn <sub>0.95</sub> Co <sub>0.05</sub> WO <sub>4</sub> with cycloidal spin structure. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	5
181	Electronic, spin-state, and magnetic transitions in Ba <sub>2</sub> Co <sub>9</sub> O <sub>14</sub> investigated by x-ray spectroscopies and neutron diffraction. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	2
180	Magnetic order and magnetoelectric properties of R <sub>2</sub> CoMnO <sub>6</sub> perovskites (R=Ho, Tm, Yb, and Lu). <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	33

179	Structural and electrical properties of indium oxide thin films grown by pulsed laser deposition in oxygen ambient. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 694, 1280-1286	5.7	4
178	Characterization of competing distortions in YFe <sub>2</sub> O <sub>4</sub> . <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	3
177	Magnetoelectric and structural properties of Y <sub>2</sub> CoMnO <sub>6</sub> : The role of antisite defects. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	32
176	Origin of the Multiferroic-Like Properties of Er <sub>2</sub> CoMnO <sub>6</sub> . <i>Solid State Phenomena</i> , <b>2016</b> , 257, 95-98	0.4	12
175	Magnetostructural coupling, magnetic ordering, and cobalt spin reorientation in metallic Pr <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> cobaltite. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	7
174	Comparative study of the field-induced and spontaneous AF <sub>2</sub> ? multiferroic phases in MnWO <sub>4</sub> and Mn <sub>0.90</sub> Co <sub>0.10</sub> WO <sub>4</sub> within the magnetic symmetry framework. <i>Journal of Applied Crystallography</i> , <b>2016</b> , 49, 520-527	3.8	
173	Direct observation of noncollinear order of Co and Mn moments in multiferroic Mn <sub>0.85</sub> Co <sub>0.15</sub> WO <sub>4</sub> . <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	6
172	Field effects with H  b on the incommensurate magnetic structures of multiferroic MnWO <sub>4</sub> studied within the superspace formalism. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	5
171	Evidence of large magneto-dielectric effect coupled to a metamagnetic transition in Yb <sub>2</sub> CoMnO <sub>6</sub> . <i>Applied Physics Letters</i> , <b>2015</b> , 107, 012902	3.4	24
170	Spin-lattice coupling across the singular magnetostructural transition in Pr <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> by x-ray magnetic circular dichroism. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	3
169	Structural effects of the spin-state crossover at high temperature in the distorted ErCoO <sub>3</sub> cobaltite. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 663, 012005	0.3	1
168	Neutron diffraction study of the (BiFeO <sub>3</sub> ) <sub>1-x</sub> (PbTiO <sub>3</sub> ) <sub>x</sub> solid solution: nanostructured multiferroic system. <i>Journal of Physics Condensed Matter</i> , <b>2015</b> , 27, 046004	1.8	2
167	Structural properties and singular phase transitions of metallic Pr <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> cobaltite. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 12297-304	5.1	5
166	Role of Pr cations and the low temperature transition in Pr <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> : A comparison to Pr <sub>0.5</sub> Ca <sub>0.5</sub> CoO <sub>3</sub> . <i>Physica B: Condensed Matter</i> , <b>2014</b> , 455, 56-59	2.8	3
165	Effects of A-site disorder in the properties of A <sub>2</sub> CoMnO <sub>6</sub> (A = La, Tb). <i>Journal of Physics Condensed Matter</i> , <b>2014</b> , 26, 386001	1.8	13
164	Stability of the cationic oxidation states in Pr <sub>(0.50)</sub> Sr <sub>(0.50)</sub> CoO <sub>3</sub> across the magnetostructural transition by X-ray absorption spectroscopy. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 8854-8	5.1	6
163	X phase of MnWO <sub>4</sub> . <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	11
162	The low temperature magnetostructural transition in Pr <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> : Bulk versus thin film behavior. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17D721	2.5	2

161	Ground state and the metal-insulator transition in $(\text{Pr}_{1-y}\text{Y}_y)_{1-x}\text{Ca}_x\text{CoO}_3$ ( $0.45 \leq x \leq 0.55$ ) cobaltites. <i>Journal of the Korean Physical Society</i> , <b>2013</b> , 63, 791-794	0.6	2
160	Incommensurate magnetic structures of multiferroic $\text{MnWO}_4$ studied within the superspace formalism. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	30
159	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> , <b>2012</b> , 85,	3.3	19
158	Magnetic behavior of $\text{La}_2\text{CoMnO}_6$ crystal doped with Pb and Pt. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 4001-4005	5.1	6
157	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> , <b>2012</b> , 85,	3.3	18
156	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> , <b>2012</b> , 111, 07D710	2.5	6
155	Lattice anomalies at the ferroelectric and magnetic transitions in cycloidal $\text{Mn}_{0.95}\text{Co}_{0.05}\text{WO}_4$ and conical $\text{Mn}_{0.80}\text{Co}_{0.20}\text{WO}_4$ multiferroics. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	8
154	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> , <b>2012</b> , 86,	3.3	39
153	Valence transition in $(\text{Pr,Ca})\text{CoO}_3$ cobaltites: Charge migration at the metal-insulator transition. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	45
152	Cation order and structural transition in $\text{La}_2\text{MnCoO}_6$ . <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 325, 012007	0.3	3
151	Multilevel hierarchy of phase separation processes in $\text{La}_{5/8}\text{Pr}_{3/8}\text{Ca}_{3/8}\text{MnO}_3$ . <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	16
150	Valence change of praseodymium in $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{CoO}_3$ investigated by x-ray absorption spectroscopy. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	41
149	Magnetic and structural features of the $\text{NdNi}(1-x)\text{Mn}(x)\text{O}_3$ perovskite series investigated by neutron diffraction. <i>Journal of Physics Condensed Matter</i> , <b>2011</b> , 23, 226001	1.8	20
148	Effect of cation disorder on structural, magnetic and dielectric properties of $\text{La}_2\text{MnCoO}_6$ double perovskite. <i>Journal of Physics Condensed Matter</i> , <b>2011</b> , 23, 496003	1.8	51
147	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> , <b>2010</b> , 81,	3.3	33
146	Neutron Powder Diffraction Studies of Magnetic Quasi-degenerated Oxides with Competing Degrees of Freedom. <i>Neutron News</i> , <b>2010</b> , 21, 15-19	0.4	10
145	Consequences of embedding $\text{Ti}^{4+}$ 3d <sup>0</sup> centers in $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ : Phase competition in $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{Mn}_{1-x}\text{Ti}_x\text{O}_3$ . <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	16
144	Simultaneous para-ferrimagnetic, metal-insulator, and orthorhombic-monoclinic transitions in $\text{YBaCo}_2\text{O}_{5.5}$ . <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	13

143	Magnetoresistance in the paramagnetic insulating state of Pr <sub>0.50</sub> Ca <sub>0.50</sub> CoO <sub>3</sub> . <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 200, 012010	0.3	1
142	Magnetic, structural properties and B-site order of two epitaxial La <sub>2</sub> CoMnO <sub>6</sub> films with perpendicular out-of-plane orientation. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 200, 092002	0.3	7
141	Structural properties, magnetic and oxygen-vacancies order in Y(Ba <sub>1-x</sub> Sr <sub>x</sub> )Co <sub>2</sub> O <sub>5.5</sub> layered cobaltites. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 200, 012039	0.3	1
140	On the role of solid solution randomness on phase coexistence in B-site substituted manganites. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 200, 012040	0.3	
139	Exploration of magnetic order in Pr <sub>0.5</sub> Ca <sub>0.5</sub> CoO <sub>3</sub> (x=0) below the metal-insulator transition. <i>Physics Procedia</i> , <b>2010</b> , 8, 73-77		4
138	Effects of the A-site cation number on the properties of Ln <sub>5/8</sub> M <sub>3/8</sub> MnO <sub>3</sub> manganites. <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 1083-1089	3.3	10
137	Structure and charge order in the antiferromagnetic band-insulating phase of NdNiO <sub>3</sub> . <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	70
136	Dielectric properties of Bi <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> (x=0.40,0.50) manganites: Influence of room temperature charge order. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 084116	2.5	15
135	Short- and Long-Range Orbital Order in Phase Separated Pr <sub>0.50</sub> Ca <sub>0.50</sub> Mn <sub>0.99</sub> Ti <sub>0.01</sub> O <sub>3</sub> : Its Role in Thermal Hysteresis. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 3068-3075	9.6	11
134	The effect of oxygen disorder on magnetic properties of PrBaCo <sub>2</sub> O <sub>5.5</sub> layered cobaltite. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 104228	1.8	8
133	The checkerboard pattern of Bi <sub>(0.63)</sub> Sr <sub>(0.37)</sub> MnO <sub>(3)</sub> determined using resonant x-ray scattering at the Mn K edge. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 235211	1.8	7
132	Relevance of solid solution randomness for long-range phase separation in highly correlated oxides. <i>Europhysics Letters</i> , <b>2008</b> , 84, 67011	1.6	11
131	Effects of d <sub>0</sub> substitution on phase competition in Pr <sub>0.50</sub> Ca <sub>0.50</sub> Mn <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07F719	2.5	8
130	Spin disorder and magnetic properties of Bi <sub>3-x</sub> Ca <sub>1-x</sub> MnO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07F718	2.5	2
129	Influence of R-ion size on spin state of Co and magnetic properties of RBaCo <sub>2</sub> O <sub>5.5</sub> cobaltites. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07F713	2.5	11
128	Spin state and magnetic interactions of in. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 316, e73128733 6		
127	Magnetic and electronic properties of Bi <sub>(0.75)</sub> Ca <sub>(0.25)</sub> MnO <sub>(3)</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 406212	1.8	2
126	Two-dimensional mapping of chemical information at atomic resolution. <i>Physical Review Letters</i> , <b>2007</b> , 99, 086102	7.4	217

125	Crystal structures and in-situ formation study of mayenite electrides. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 4167-4176	68
124	Checkerboard-ordered pattern of Bi <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> low-temperature phase probed by x-ray resonant scattering. <i>Physical Review B</i> , <b>2006</b> , 73,	3-3 22
123	Avalanches, irreversibility, and phase separation in Co-substituted Pr <sub>0.5</sub> Ca <sub>0.5</sub> Mn <sub>1-x</sub> Co <sub>x</sub> O <sub>3</sub> . <i>Physical Review B</i> , <b>2006</b> , 74,	3-3 30
122	Spin state of Co <sup>3+</sup> and magnetic transitions in RBaCo <sub>2</sub> O <sub>5.5</sub> (R=Pr,Gd): Dependence on rare-earth size. <i>Physical Review B</i> , <b>2006</b> , 74,	3-3 69
121	Layered and pillared metal carboxyethylphosphonate hybrid compounds. <i>Dalton Transactions</i> , <b>2006</b> , 577-85	4-3 26
120	µR study of short-range charge order in YNiO <sub>3</sub> above the monoclinic-orthorhombic transition. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 374-375, 87-90	2.8 5
119	Comparative study of the magnetic and electronic properties of Bi <sub>0.75</sub> A <sub>0.25</sub> MnO <sub>3</sub> (x=28) with A=Ca and Sr. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 374-375, 91-94	2.8
118	Equilibrio y cinética del oxígeno en PrBaCo <sub>2</sub> O <sub>5+x</sub> . <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , <b>2006</b> , 45, 139-143	1.9 3
117	Estudio de la posible coexistencia de ferromagnetismo y orden de carga en óxidos cerámicos Bi <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> (x=0.3). <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , <b>2006</b> , 45, 233-237	1.9 2
116	Tailoring Oxygen Content on PrBaCo <sub>2</sub> O <sub>5+x</sub> Layered Cobaltites. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 5439-5445	4-5 126
115	Magnetic properties of Bi <sub>0.75</sub> Sr <sub>0.25</sub> MnO <sub>3</sub> (x=28, TCO=600K): Ferromagnetism and charge order. <i>Physical Review B</i> , <b>2005</b> , 72,	3-3 26
114	Effect of cation site-disorder on the structure and magneto-transport properties of Ln <sub>5/8</sub> M <sub>3/8</sub> MnO <sub>3</sub> manganites. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 1949-1958	3-3 13
113	Ferromagnetic coupling strength and electron-doping effects in double perovskites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2005</b> , 290-291, 974-980	2.8 7
112	Direct evidence for charge ordering and electronic phase separation in Bi <sub>x</sub> Sr <sub>1-x</sub> MnO <sub>3</sub> at room temperature. <i>Physica B: Condensed Matter</i> , <b>2005</b> , 370, 172-177	2.8 3
111	Magnetism in the low-doping regime (x). <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 10C105	2.5 5
110	Neutron-diffraction study of magnetization avalanches in Pr <sub>0.5</sub> Ca <sub>0.5</sub> Mn <sub>1-x</sub> Ni <sub>x</sub> O <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 10H701	2.5 12
109	Magnetism and vacancy ordering in PrBaCo <sub>2</sub> O <sub>5+x</sub> (x=0.5). <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 10C106	2.5 7
108	Band filling versus bond bending in substituted L <sub>x</sub> Sr <sub>2-x</sub> FeMoO <sub>6</sub> (L=Ca, La, Nd) compounds. <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 7082-7084	2.5 30

107	High magnetic field study of HoBaCo <sub>2</sub> O <sub>5.5</sub> and GdBaCo <sub>2</sub> O <sub>5.5</sub> layered cobaltites: the effect of rare-earth size. <i>Physica B: Condensed Matter</i> , <b>2004</b> , 346-347, 246-249	2.8	11
106	Study of the oxygen-deficient double perovskite PrBaCo <sub>2</sub> O <sub>5.75</sub> . <i>Physica B: Condensed Matter</i> , <b>2004</b> , 350, E277-E279	2.8	10
105	Charge and Zener polaron order in Bi <sub>0.75</sub> Sr <sub>0.25</sub> MnO <sub>3</sub> : a comparison with Bi <sub>0.75</sub> Ca <sub>0.25</sub> MnO <sub>3</sub> . <i>Physica B: Condensed Matter</i> , <b>2004</b> , 350, 48-50	2.8	4
104	Magnetism of Bi <sub>0.75</sub> Sr <sub>0.25</sub> MnO <sub>3</sub> and its dependence on bismuth concentration. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, 1734-1735	2.8	2
103	Magnetization and neutron diffraction studies on Sr <sub>2-x</sub> CaxFeMoO <sub>6</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, 852-854	2.8	4
102	Magnetic and electronic properties of the oxygen-deficient PrBaCo <sub>2</sub> O <sub>5+x</sub> (x>0.50). <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, 1762-1763	2.8	9
101	High magnetic field study of charge/polaron ordering in Bi <sub>1-x</sub> SrxMnO (x>0.50) perovskites. <i>Physica B: Condensed Matter</i> , <b>2004</b> , 346-347, 70-73	2.8	2
100	Mechanism for Curie temperature variation in LaxSr <sub>2-x</sub> FeMoO <sub>6</sub> and CaxSr <sub>2-x</sub> FeMoO <sub>6</sub> . <i>Physica B: Condensed Matter</i> , <b>2004</b> , 350, E285-E288	2.8	4
99	Structural and magnetic study of PrBaCo <sub>2</sub> O <sub>5+x</sub> (x>0.75) cobaltite. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	42
98	Pressure-induced melting of charge-order in the self-doped Mott insulator YNiO <sub>3</sub> . <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	24
97	Room Temperature Structural and Microstructural Study for the Magneto-Conducting La <sub>5/8-x</sub> PrxCa <sub>3/8</sub> MnO <sub>3</sub> (0 ≤ x ≤ 5/8) Series. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 167-174	9.6	38
96	Selective distribution of dopants among MO <sub>6</sub> octahedra in RbTi <sub>0.927</sub> Nb <sub>0.056</sub> Er <sub>0.017</sub> OPO <sub>4</sub> : a neutron diffraction study. <i>Journal of Solid State Chemistry</i> , <b>2003</b> , 171, 257-261	3.3	5
95	Charge and orbital order in rare-earth and Bi manganites: a comparison. <i>Journal of Solid State Chemistry</i> , <b>2003</b> , 171, 84-89	3.3	35
94	Structural and magnetic characterization of RCrO <sub>4</sub> oxides (R=Nd, Er and Tm). <i>Journal of Solid State Chemistry</i> , <b>2003</b> , 171, 161-169	3.3	35
93	Selective spin-state and metal-insulator transitions in GdBaCo <sub>2</sub> O <sub>5.5</sub> . <i>Journal of Solid State Chemistry</i> , <b>2003</b> , 171, 349-352	3.3	36
92	Enhanced stability of charge-order in underdoped Bi <sub>0.75</sub> Sr <sub>0.25</sub> MnO <sub>3</sub> . <i>Solid State Communications</i> , <b>2003</b> , 125, 277-280	1.6	26
91	Charge Self-compensation in the Nonlinear Optical Crystals Rb <sub>0.855</sub> Ti <sub>0.955</sub> Nb <sub>0.045</sub> OPO <sub>4</sub> and RbTi <sub>0.927</sub> Nb <sub>0.056</sub> Er <sub>0.017</sub> OPO <sub>4</sub> . <i>Chemistry of Materials</i> , <b>2003</b> , 15, 2338-2345	9.6	33
90	High magnetic field study of charge melting in Bi <sub>1/2</sub> (Sr,Ca) <sub>1/2</sub> MnO <sub>3</sub> perovskites: Unconventional behavior of bismuth charge ordered compounds. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	52

89	Charge and Zener polaron order in Bi <sub>0.75</sub> Sr <sub>0.25</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	24
88	Effect of band filling and structural distortions on the Curie temperature of Fe-Mo double perovskites. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	71
87	Pressure-induced melting of charge-order in the self-doped mott insulator yttrium nickelate. <i>High Pressure Research</i> , <b>2003</b> , 23, 171-175	1.6	1
86	Spin state transition: the origin of structural, magnetic and metal-insulator transitions in GdBaCo <sub>2</sub> O <sub>5+<math>\delta</math></sub> ( $\delta$ 0.5). <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 242-245, 751-753	2.8	12
85	Electronic and magnetic transitions in Bi <sub>1-x</sub> R <sub>x</sub> MnO <sub>3</sub> oxides: high temperature charge-ordering. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 242-245, 645-647	2.8	10
84	Charge modulation and orientational variants in Bi <sub>1/3</sub> Ca <sub>2/3</sub> MnO <sub>3</sub> . <i>Applied Physics A: Materials Science and Processing</i> , <b>2002</b> , 74, s1761-s1764	2.6	2
83	Anomalously high charge/orbital ordering temperature in Bi <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> . <i>Applied Physics A: Materials Science and Processing</i> , <b>2002</b> , 74, s1787-s1789	2.6	5
82	Selective spin-state switch and metal-insulator transition in GdBaCo <sub>2</sub> O <sub>5.5</sub> . <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	227
81	Phase Segregation in Bi <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> (x 0.75) Investigated by Neutron and Synchrotron X-Ray Diffraction. <i>Materials Science Forum</i> , <b>2001</b> , 378-381, 611-615	0.4	
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79	Simultaneous Structural and Metal-Insulator Transition in RNiO <sub>3</sub> Perovskites (R= Ho, Y, Er, Lu). <i>Materials Science Forum</i> , <b>2001</b> , 378-381, 482-486	0.4	
78	High-temperature orbital and charge ordering in Bi <sub>1/2</sub> Sr <sub>1/2</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>2001</b> , 63,	3.3	131
77	Structure and charge-ordering transition in Bi-based bilayered Bi <sub>0.44</sub> Ca <sub>2.56</sub> Mn <sub>2</sub> O <sub>7</sub> manganite. <i>Physical Review B</i> , <b>2001</b> , 63,	3.3	5
76	A-face-centered Bi <sub>0.75</sub> Ca <sub>3.25</sub> Mn <sub>3</sub> O <sub>10</sub> : A Bi-based orthorhombic 4310-type bilayered manganite. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	2
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74	Low-temperature charge and magnetic order of Bi <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	49
73	Magnetic and magnetotransport properties of GdBaCo <sub>2</sub> O <sub>5+<math>\delta</math></sub> : A high magnetic-field study. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	127
72	Magnetic structure of the HoNiO <sub>3</sub> perovskite. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	50



71	High-temperature structural evolution of RNiO <sub>3</sub> (R=Ho,Y, Er, Lu) perovskites: Charge disproportionation and electronic localization. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	88
70	Phase segregation and orbital ordering in Bi <sub>1-x</sub> CaxMnO <sub>3</sub> (x=0.75): a neutron and synchrotron X-ray diffraction study. <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 323-324, 408-411	5.7	1
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68	Magnetic dynamics and discommensuration in charge-ordered Pr <sub>1-x</sub> CaxMnO <sub>3</sub> (x=0.5). <i>Physica B: Condensed Matter</i> , <b>2000</b> , 289-290, 73-76	2.8	2
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66	Charge reallocation in the tetragonal to monoclinic transition in Pr <sub>1/2</sub> Sr <sub>1/2</sub> MnO <sub>3</sub> . <i>Physica B: Condensed Matter</i> , <b>2000</b> , 276-278, 790-792	2.8	1
65	Phase coexistence and magnetic structures of Bi <sub>1-x</sub> SrxMnO <sub>3</sub> (x=0.5). <i>Physica B: Condensed Matter</i> , <b>2000</b> , 276-278, 793-794	2.8	2
64	Charge disproportionation in RNiO <sub>3</sub> perovskites. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 276-278, 218-221	2.8	9
63	Stability of charge-ordering and H-T diagrams of Ln <sub>1-x</sub> CaxMnO <sub>3</sub> manganites in pulsed magnetic field up to 50 T. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2000</b> , 211, 128-132	2.8	7
62	Dependence of the physical properties of Nd <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3+δ</sub> on the oxidation state of Mn. <i>Physical Review B</i> , <b>2000</b> , 62, 3002-3005	3.3	23
61	Reply to Comment on Tetragonal to monoclinic transition in the metallic antiferromagnet Pr <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>2000</b> , 62, 6822-6824	3.3	5
60	Phase coexistence, magnetic inhomogeneity, and disorder in the charge-ordered state of Pr <sub>2/3</sub> Ca <sub>1/3</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>2000</b> , 62, 3381-3388	3.3	40
59	Magnetic structure evolution of NdMnO <sub>3</sub> derived from neutron diffraction data. <i>Journal of Physics Condensed Matter</i> , <b>2000</b> , 12, 1361-1376	1.8	90
58	High magnetic field study of lattice and magnetic effects on the charge-melting transition in La <sub>1/2</sub> Ca <sub>1/2</sub> MnO <sub>3</sub> perovskites. <i>Physical Review B</i> , <b>2000</b> , 61, 9014-9018	3.3	50
57	Chemical Heterogeneity in a Single Phase: Bi <sub>0.15</sub> Ca <sub>0.85</sub> MnO <sub>3</sub> , a Case Example of Macroscopic Phase Segregation. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 3648-3657	9.6	13
56	Room-temperature monoclinic distortion due to charge disproportionation in RNiO <sub>3</sub> perovskites with small rare-earth cations (R=Ho, Y, Er, Tm, Yb, and Lu): A neutron diffraction study. <i>Physical Review B</i> , <b>2000</b> , 61, 1756-1763	3.3	154
55	Hole and Electron Doping in Bi <sub>1-x</sub> CaxMnO <sub>3</sub> (0 ≤ x ≤ 1) Investigated by Neutron and Synchrotron X-ray Diffraction. <i>Acta Crystallographica Section A: Foundations and Advances</i> , <b>2000</b> , 56, s69-s69		3
54	Charge localization and magnetic dynamics in manganites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1999</b> , 196-197, 477-478	2.8	1

53	Structural instability vs. bandwidth-controlled charge ordering in $x =$ manganites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1999</b> , 196-197, 549-551	2.8	2
52	Tetragonal to monoclinic transition in the metallic antiferromagnet $\text{Pr}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ . <i>Physical Review B</i> , <b>1999</b> , 60, R9889-R9892	3.3	35
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50	High-Pressure Preparation, Crystal Structure, Magnetic Properties, and Phase Transitions in $\text{GdNiO}_3$ and $\text{DyNiO}_3$ Perovskites. <i>Chemistry of Materials</i> , <b>1999</b> , 11, 2463-2469	9.6	44
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48	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> , <b>1998</b> , 33, 5359-5363	4.3	6
47	A structural and magnetic study of the defect perovskite from high-resolution neutron diffraction data. <i>Journal of Physics Condensed Matter</i> , <b>1997</b> , 9, 6417-6426	1.8	28
46	Magnetic frustration in mixed valence manganites. <i>Physical Review B</i> , <b>1997</b> , 55, R668-R671	3.3	75
45	Competing magnetic interactions in manganese perovskites. <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 5481-5483	4.9	9
44	Reduction of the Jahn-Teller distortion at the insulator-to-metal transition in mixed valence manganites. <i>Physical Review B</i> , <b>1997</b> , 55, 34-37	3.3	61
43	Pressure effects on the metal-insulator transition in magnetoresistive manganese perovskites. <i>Physical Review B</i> , <b>1997</b> , 56, R10009-R10012	3.3	123
42	Charge localization, magnetic order, structural behavior, and spin dynamics of $(\text{La}_{1-b})_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ manganese perovskites probed by neutron diffraction and muon spin relaxation. <i>Physical Review B</i> , <b>1997</b> , 56, 3317-3324	3.3	72
41	Crystal structure and magnetism in the defect perovskite $\text{LaNiO}_{2.5}$ . <i>Physica B: Condensed Matter</i> , <b>1997</b> , 234-236, 18-19	2.8	10
40	Magnetostructural effects in insulating and metallic $\text{La}_{0.85}\text{Y}_{0.15}\text{Ca}_x\text{MnO}_3$ ( $x$ Physica B: Condensed Matter, <b>1997</b> , 234-236, 854-855	2.8	1
39	Bandwidth narrowing in bulk magnetoresistive oxides. <i>Journal of Physics Condensed Matter</i> , <b>1996</b> , 8, L787-L793	1.8	61
38	Colossal magnetoresistance of ferromagnetic manganites: Structural tuning and mechanisms. <i>Physical Review Letters</i> , <b>1996</b> , 76, 1122-1125	7.4	467
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34	Lattice compression and charge transfer in electron-doped $\text{La}_{2-x}\text{Ce}_x\text{CuO}_4$ superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>1996</b> , 268, 173-179	1.3	13
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31	Chemical tuning of the colossal magnetoresistance of ferromagnetic perovskites. <i>Europhysics Letters</i> , <b>1996</b> , 34, 379-384	1.6	20
30	Magnetic susceptibility and field-induced transitions in $\text{R}_2\text{BaNiO}_5$ compounds (R = Tm, Er, Ho, Dy, Tb, Gd, Sm, Nd, Pr). <i>Journal of Magnetism and Magnetic Materials</i> , <b>1995</b> , 149, 363-372	2.8	56
29	Magnetic behavior of $\text{R}_2\text{Cu}_2\text{O}_5$ cuprates studied by neutron diffraction. <i>Physical Review B</i> , <b>1995</b> , 51, 6594-6601	3.3	17
28	Spin dynamics in pure and Zn-doped $\text{CuGeO}_3$ by muon spin relaxation: Spin-Peierls and spin-glass transitions. <i>Physical Review B</i> , <b>1995</b> , 52, 4288-4293	3.3	19
27	Influence of carrier injection on the metal-insulator transition in electron- and hole-doped $\text{R}_{1-x}\text{A}_x\text{NiO}_3$ perovskites. <i>Physical Review B</i> , <b>1995</b> , 52, 13563-13569	3.3	54
26	Muon-spin-relaxation study of magnetic order in $\text{RNiO}_3$ (R=rare earth) below the metal-insulator transition. <i>Physical Review B</i> , <b>1995</b> , 51, 15197-15202	3.3	23
25	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> , <b>1995</b> , 115, 324-331	3.3	33
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20	The electron-doped cuprates: superconducting properties and pressure effects. <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 235-240, 142-145	1.3	1
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10	Electronically induced structural anomalies across the metal-insulator transition in RNiO <sub>3</sub> (R = Pr, Nd). <i>Physica B: Condensed Matter</i> , <b>1992</b> , 180-181, 306-308	2.8	4
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4	Complex magnetic structures of the rare-earth cuprates R <sub>2</sub> Cu <sub>2</sub> O <sub>5</sub> (R=Y,Ho,Er,Yb,Tm). <i>Physical Review B</i> , <b>1991</b> , 44, 4716-4719	3.3	26
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1	On inhomogeneous superconductivity in Fe substituted YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>1989</b> , 162-164, 41-42	1.3	3