

# Zdenek Jirak

## List of Publications by Citations

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210  
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225  
ext. papers

5,351  
ext. citations

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L-index

#	Paper	IF	Citations
210	Neutron diffraction study of $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ perovskites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1985</b> , 53, 153-166	2.8	747
209	Structure and magnetic properties of $\text{Pr}_{1-x}\text{Sr}_x\text{MnO}_3$ perovskites. <i>Journal of Solid State Chemistry</i> , <b>1992</b> , 100, 292-300	3.3	204
208	Magnetism and charge ordering in $\text{Pr}_{0.5}\text{Ca}_x\text{Sr}_{0.5-x}\text{MnO}_3$ ( $x=0.09$ and $0.5$ ). <i>Physical Review B</i> , <b>2000</b> , 61, 1181-1188	3.3	138
207	Interplay between transport, magnetic, and ordering phenomena in $\text{Sm}_{1-x}\text{Ca}_x\text{MnO}_3$ . <i>Physical Review B</i> , <b>1999</b> , 60, 14057-14065	3.3	134
206	Structural anomalies associated with the electronic and spin transitions in $\text{LnCoO}_3$ . <i>European Physical Journal B</i> , <b>2005</b> , 47, 213-220	1.2	116
205	Ferromagnetism versus charge ordering in the $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ and $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ nanocrystals. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	106
204	Temperature- and pressure-driven spin-state transitions in $\text{LaCoO}_3$ . <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	99
203	Spin state of $\text{LaCoO}_3$ : Dependence on $\text{CoO}_6$ octahedra geometry. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	95
202	A neutron diffraction study of H, Na-Y zeolites. <i>Journal of Physics and Chemistry of Solids</i> , <b>1980</b> , 41, 1089-1095	3.3	93
201	Structural and magnetization study of $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ . <i>Journal of Magnetism and Magnetic Materials</i> , <b>1980</b> , 15-18, 519-520	2.8	86
200	Structural study of the electron-doped manganites $\text{Sm}_{0.1}\text{Ca}_{0.9}\text{MnO}_3$ and $\text{Pr}_{0.1}\text{Sr}_{0.9}\text{MnO}_3$ : Evidence of phase separation. <i>Physical Review B</i> , <b>2000</b> , 62, 6442-6449	3.3	82
199	GGA+U calculations of correlated spin excitations in $\text{LaCoO}_3$ . <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	78
198	Neutron diffraction study of the modulated structure of $\text{Bi}_2(\text{Sr}, \text{Ca})_3\text{Cu}_2\text{O}_{8+y}$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>1990</b> , 166, 79-86	1.3	76
197	X-ray absorption near-edge spectroscopy study of Mn and Co valence states in $\text{LaMn}_{1-x}\text{Co}_x\text{O}_3$ ( $x=0.1$ ). <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	72
196	Character of the excited state of the $\text{Co}^{3+}$ ion in $\text{LaCoO}_3$ . <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, 3285-3297	1.8	66
195	Influence of Mn-site doping upon orbital and charge ordering in the $\text{Pr}_{0.5}\text{A}_{0.5}\text{Mn}_{1-x}\text{M}_x\text{O}_3$ manganites (A=Sr, Ca and M=Cr, Al). <i>Journal of Magnetism and Magnetic Materials</i> , <b>1999</b> , 202, 11-21	2.8	65
194	Two C-type antiferromagnets with different magnetoresistive properties: $\text{Sm}_{0.15}\text{Ca}_{0.85}\text{MnO}_3$ and $\text{Pr}_{0.15}\text{Sr}_{0.85}\text{MnO}_3$ . <i>Journal of Magnetism and Magnetic Materials</i> , <b>1999</b> , 205, 184-198	2.8	62

193	Electrical resistivity and thermopower measurements of the hole- and electron-doped cobaltites $\text{LnCoO}_3$ . <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	60
192	Coexistence of antiferromagnetism and ferromagnetism in $\text{Ca}_{1-x}\text{Pr}_x\text{MnO}_3$ ( $x$ ). <i>Physical Review B</i> , <b>2000</b> , 62, 9532-9537	3.3	59
191	Metal-insulator transition and the $\text{Pr}^{3+}/\text{Pr}^{4+}$ valence shift in $(\text{Pr}_{1-y}\text{Y}_y)_{0.7}\text{Ca}_{0.3}\text{CoO}_3$ . <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	55
190	Charge transfer, valence, and 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	50
189	Distribution of cations in nanosize and bulk Co-Zn ferrites. <i>Nanotechnology</i> , <b>2011</b> , 22, 345701	3.4	49
188	Structural, magnetic, and transport properties of the single-layered perovskites $\text{La}_{2-x}\text{Sr}_x\text{CoO}_4$ ( $x=1.0\text{--}1.4$ ). <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	48
187	Electric transport and magnetic properties of perovskites $\text{LaMn}_{1-x}\text{Co}_x\text{O}_3$ up to 900 K. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, 1601-1616	1.8	46
186	The magnetic and hyperthermia studies of bare and silica-coated $\text{La}_{0.75}\text{Sr}_{0.25}\text{MnO}_3$ nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 1237-1252	2.3	45
185	Details of structural and magnetic transitions in $\text{Pr}_{0.5}\text{Ca}_{0.5-x}\text{Sr}_x\text{MnO}_3$ perovskites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1999</b> , 206, 45-67	2.8	45
184	Neutron scattering evidence for magnetic-field-driven abrupt magnetic and structural transitions in a phase-separated manganite. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	43
183	Charge ordering and structural transitions in $\text{Pr}_{0.5}\text{Sr}_{0.41}\text{Ca}_{0.09}\text{MnO}_3$ . <i>Journal of Magnetism and Magnetic Materials</i> , <b>1998</b> , 190, 221-232	2.8	42
182	Structure and magnetism in the $\text{Pr}_{1-x}\text{Na}_x\text{MnO}_3$ perovskites ( $0 < x < 0.2$ ). <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 250, 275-287	2.8	41
181	Temperature Dependence of $^{55}\text{Mn}$ NMR in $\text{Pr}_{0.7}\text{Ca}_{0.15}\text{Sr}_{0.15}\text{MnO}_3$ and $\text{Pr}_{0.7}\text{Ba}_{0.3}\text{MnO}_3$ Ferromagnetic Manganites. <i>Physical Review Letters</i> , <b>1997</b> , 79, 4278-4281	7.4	39
180	Structure and superconductivity in $\text{Y}_{1-x}\text{Ca}_x\text{Ba}_2\text{Cu}_3\text{O}_7$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>1988</b> , 156, 750-754	1.3	38
179	Neutron diffraction and heat capacity studies of $\text{PrCoO}_3$ and $\text{NdCoO}_3$ . <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	37
178	The magnetic structure of $\text{Pr}_{0.9}\text{Ca}_{0.1}\text{MnO}_3$ . <i>Physica Status Solidi A</i> , <b>1979</b> , 52, K39-K43		37
177	Magnetic phase diagram of the charge ordered manganite $\text{Pr}_{0.8}\text{Na}_{0.2}\text{MnO}_3$ . <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 7413-7415	2.5	36
176	Magnetic and Structural Transitions in the Half-Doped Manganites $\text{Pr}_{0.5}\text{Sr}_{0.5-x}\text{Ca}_x\text{MnO}_3$ . <i>Chemistry of Materials</i> , <b>1999</b> , 11, 536-541	9.6	36

175	Study of $\text{Pr}_{1-x}\text{Mn}_{1+x}\text{O}_3$ perovskites. <i>Journal of Solid State Chemistry</i> , <b>1980</b> , 35, 262-266	3.3	36
174	Synthesis and magnetic properties of $\text{Co}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ nanoparticles as materials for magnetic fluid hyperthermia. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2010</b> , 322, 2386-2389	2.8	35
173	Structure and Properties of the $\text{Pr}_{1-x}\text{K}_x\text{MnO}_3$ Perovskites ( $x=0.15$ ). <i>Journal of Solid State Chemistry</i> , <b>1997</b> , 132, 98-106	3.3	34
172	Structure, Magnetism, and Transport Properties of $\text{Pr}_{1-x}\text{Sr}_x\text{MnO}_3$ ( $x = 0.45-0.75$ ) up to 1200 K. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 1104-1110	9.6	34
171	Detailed study of the structural and magnetic transitions in $\text{Pr}_{1-x}\text{Sr}_x\text{MnO}_3$ single crystals ( $0.48 \leq x \leq 0.57$ ). <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 246, 290-296	2.8	34
170	Ferromagnetic-antiferromagnetic transition in tetragonal $\text{La}_{0.50}\text{Sr}_{0.50}\text{MnO}_3$ . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2000</b> , 217, 113-119	2.8	34
169	A neutron diffraction study of the superionic phase in $\text{CsHSO}_4$ . <i>Physica Status Solidi A</i> , <b>1987</b> , 100, K117-K122		34
168	Canted structures in the $\text{Mn}^{3+}/\text{Mn}^{4+}$ perovskites. <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 5790-5792	2.5	33
167	Magnetic and Moessbauer resonance investigations of the weak ferrimagnet iron molybdate ( $\text{Fe}_2(\text{MoO}_4)_3$ ). <i>Inorganic Chemistry</i> , <b>1982</b> , 21, 4218-4223	5.1	33
166	Ordering phenomena and transport properties of $\text{Bi}_{1/2}\text{Sr}_{1/2}\text{MnO}_3$ single crystals. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 7370-7372	2.5	32
165	Crystal field and magnetism of $\text{Pr}^{3+}$ and $\text{Nd}^{3+}$ ions in orthorhombic perovskites. <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 446001	1.8	31
164	Magnetism and transport in $\text{Pr}_{1-x}\text{Sr}_x\text{MnO}_3$ single crystals ( $0.48$ ). <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	31
163	Study of the modulated structure of $\text{Bi}_2(\text{Sr}, \text{Ca})_3\text{Cu}_2\text{O}_8$ in the range 89-20 K. <i>Physica C: Superconductivity and Its Applications</i> , <b>1990</b> , 171, 19-24	1.3	31
162	Structure and physical properties of $\text{YCoO}_3$ at temperatures up to 1000K. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	30
161	Structural and Magnetic Transitions in $\text{CaMn}_{1-x}\text{W}_x\text{O}_3$ . <i>Chemistry of Materials</i> , <b>2007</b> , 19, 4243-4251	9.6	29
160	On the magnetic properties of Gd implanted GaN. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07D107	2.5	28
159	Crystal structure of dehydrated LiNa-A type zeolites. <i>Zeolites</i> , <b>1983</b> , 3, 255-258		28
158	Irreversible photoinduced insulator-metal transition in the Na-doped manganite $\text{Pr}_{0.75}\text{Na}_{0.25}\text{MnO}_3$ . <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	27

157	Magnetic phase transition in (La,Na) manganites. <i>Physical Review B</i> , <b>1998</b> , 57, 13379-13381	3.3	27
156	Non-collinear magnetic structures of TbCoO <sub>3</sub> and DyCoO <sub>3</sub> . <i>Solid State Sciences</i> , <b>2014</b> , 28, 26-30	3.4	26
155	Valence Shift of Pr Ion from 3+ to 4+ in (Pr <sub>1-y</sub> Y <sub>y</sub> ) <sub>0.7</sub> Ca <sub>0.3</sub> CoO <sub>3</sub> Estimated by X-Ray Absorption Spectroscopy. <i>Journal of the Physical Society of Japan</i> , <b>2012</b> , 81, 064709	1.5	26
154	Suppression of the charge ordered state in Pr <sub>0.75</sub> Na <sub>0.25</sub> MnO <sub>3</sub> at high pressure. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, 5883-5895	1.8	26
153	High pressure effects on the crystal and magnetic structure of Pr <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> manganites (x=0.50.56). <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, 2381-2394	1.8	26
152	The localization of protons in decationated Y type zeolites by neutron diffraction. <i>Journal of Catalysis</i> , <b>1977</b> , 49, 112-114	7.3	26
151	NMR evidence of the magnetic phase separation in Pr <sub>0.5</sub> Ca <sub>0.2</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> manganite. <i>Physical Review B</i> , <b>2000</b> , 62, 545-549	3.3	25
150	Correlation of the size effect with the thermoelectric power for the Pr-based manganites Pr <sub>0.7</sub> Ca <sub>0.3-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>1996</b> , 54, 11947-11950	3.3	25
149	Structural and Magnetotransport Transitions in the Electron-Doped Pr <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> (0.85 ≤ x ≤ 1) Manganites. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 1456-1462	9.6	24
148	The magnetic and neutron diffraction studies of La <sub>1-x</sub> Br <sub>x</sub> MnO <sub>3</sub> nanoparticles prepared via molten salt synthesis. <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 221, 364-372	3.3	23
147	Phase transition in Pr <sub>0.5</sub> Ca <sub>0.5</sub> CoO <sub>3</sub> and related cobaltites. <i>European Physical Journal B</i> , <b>2013</b> , 86, 1	1.2	23
146	Neutron diffraction study of crystal and magnetic structures of BaTi <sub>0.6</sub> Mg <sub>0.6</sub> Fe <sub>10.8</sub> O <sub>19</sub> and BaTi <sub>2</sub> Co <sub>2</sub> Fe <sub>8</sub> O <sub>19</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>1990</b> , 87, 243-249	2.8	23
145	A neutron diffraction study of crystal and domain structure in LiKSO <sub>4</sub> . <i>Physica Status Solidi A</i> , <b>1984</b> , 83, K117-K121		23
144	Distribution of protons and cations in sodium H-Y zeolites. <i>The Journal of Physical Chemistry</i> , <b>1981</b> , 85, 3856-3859		23
143	Thermal conductivity and magnetic transitions in Mn <sup>3+</sup> /Mn <sup>4+</sup> manganites. <i>Journal of Applied Physics</i> , <b>1998</b> , 83, 7204-7206	2.5	22
142	Temperature dependence of distribution of cations in MnFe <sub>2</sub> O <sub>4</sub> . <i>European Physical Journal D</i> , <b>1974</b> , 24, 642-647		22
141	Stabilization of the high-spin state of Co <sup>3+</sup> in LaCo <sub>1-x</sub> Rh <sub>x</sub> O <sub>3</sub> . <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	21
140	Structure and magnetic order in Y <sub>1-x</sub> CaxMnO <sub>3</sub> (x = 0.3 and 0.5). <i>Applied Physics A: Materials Science and Processing</i> , <b>2002</b> , 74, s673-s676	2.6	21

139	Structural anomalies, spin transitions, and charge disproportionation in LnCoO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07B703	2.5	20
138	Oxygen content and superconductivity in Y <sub>0.8</sub> Ca <sub>0.2</sub> Ba <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> (y=6.03-6.89). <i>Physical Review B</i> , <b>1996</b> , 54, 16226-16233	3.3	19
137	Structural modulation, oxygen content and transport properties in Bi <sub>2.13</sub> Sr <sub>1.87</sub> CuO <sub>6+y</sub> and Bi <sub>2.05</sub> Sr <sub>1.54</sub> La <sub>0.41</sub> CuO <sub>6+y</sub> superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 222, 375-385	1.3	19
136	Preparation of Mn-Zn ferrite nanoparticles and their silica-coated clusters: Magnetic properties and transverse relaxivity. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2017</b> , 427, 251-257	2.8	18
135	Fluorescent magnetic nanoparticles for cell labeling: flux synthesis of manganite particles and novel functionalization of silica shell. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 447, 97-106	9.3	18
134	Magnetic and magnetotransport properties of misfit cobaltate Ca <sub>3</sub> Co <sub>3.93</sub> O <sub>9+δ</sub> . <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07D715	2.5	17
133	Thermal anomalies and the insulator-metal (IM) transition in Mn <sup>3+</sup> /Mn <sup>4+</sup> perovskites. <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 4975-4976	2.5	16
132	Charge and spin configurations in Pr <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> (x=0.50.75). <i>Applied Physics A: Materials Science and Processing</i> , <b>2002</b> , 74, s1755-s1757	2.6	16
131	Mn-Zn ferrite nanoparticles coated with mesoporous silica as core material for heat-triggered release of therapeutic agents. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 475, 429-435	2.8	16
130	Pressure-induced structural transformations, orbital order and antiferromagnetism in La <sub>0.75</sub> Ca <sub>0.25</sub> MnO <sub>3</sub> . <i>European Physical Journal B</i> , <b>2013</b> , 86, 1	1.2	15
129	Spin-state crossover and low-temperature magnetic state in yttrium-doped Pr <sub>0.7</sub> Ca <sub>0.3</sub> CoO <sub>3</sub> . <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	15
128	A <sup>55</sup> Mn NMR study of the La <sub>0.75</sub> Sr <sub>0.25</sub> MnO <sub>3</sub> nanoparticles. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2006</b> , 3, 155-158		15
127	Pr <sub>0.5</sub> Sr <sub>0.5-x</sub> Ba <sub>x</sub> MnO <sub>3</sub> : Size and Mismatch Effects on Structural and Magnetic Transitions. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 1886-1896	9.6	15
126	Pr <sub>0.5</sub> Ca <sub>0.5</sub> Mn <sub>0.97</sub> Ga <sub>0.03</sub> O <sub>3</sub> , a strongly strained system due to the coexistence of two orbital ordered phases at low temperature. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 1652-1660	3.3	15
125	Preparation and the crystal structure of a new manganate, Sr <sub>4</sub> Mn <sub>3</sub> O <sub>10</sub> . <i>Journal of Solid State Chemistry</i> , <b>1988</b> , 73, 520-523	3.3	15
124	Crystal structures of ferroelectric phases FR(LT)/FR(HT) in PbZr <sub>0.75</sub> Ti <sub>0.25</sub> O <sub>3</sub> solid solutions and their dependence on temperature. <i>Ferroelectrics</i> , <b>1988</b> , 82, 79-84	0.6	15
123	Design of 00 type nanocomposites using hydrothermal sintering. <i>Scripta Materialia</i> , <b>2018</b> , 148, 15-19	5.6	14
122	Magnetic ground state and the spin-state transitions in YBaCo <sub>2</sub> O <sub>5.5</sub> . <i>European Physical Journal B</i> , <b>2009</b> , 70, 327-334	1.2	14

121	Structure and properties of a novel cobaltate La <sub>0.30</sub> CoO <sub>2</sub> . <i>Journal of Solid State Chemistry</i> , <b>2011</b> , 184, 2231-2237	3.3	14
120	Magnetic ground states in Pr <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> (x=0.48-0.75). <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 7404-7406	2.5	14
119	Structure and the Orthorhombic-Tetragonal Transition in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Physica Status Solidi A</i> , <b>1987</b> , 102, K61-K66		14
118	High pressure effects on the crystal and magnetic structure of nanostructured manganites La <sub>0.63</sub> Sr <sub>0.37</sub> MnO <sub>3</sub> and La <sub>0.72</sub> Sr <sub>0.28</sub> MnO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 646, 998-1003	5.7	13
117	Magnetic properties of La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> nanoparticles prepared in a molten salt. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17B525	2.5	13
116	Transition from the diamagnetic insulator to ferromagnetic metal in. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2010</b> , 322, 1221-1223	2.8	13
115	Magnetism, structure and transport of Y <sub>1-x</sub> Ca <sub>x</sub> CoO <sub>3</sub> and La <sub>1-x</sub> Ba <sub>x</sub> CoO <sub>3</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, E283-E284	2.8	13
114	Magnetic La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> nanoparticles as contrast agents for MRI: the parameters affecting 1H transverse relaxation. <i>Journal of Nanoparticle Research</i> , <b>2015</b> , 17, 1	2.3	12
113	Simultaneous valence shift of Pr and Tb ions at the spin-state transition in (Pr <sub>1-y</sub> Tb <sub>y</sub> ) <sub>0.7</sub> Ca <sub>0.3</sub> CoO <sub>3</sub> . <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	12
112	Thermally and field-driven spin-state transitions in (Pr <sub>1-y</sub> Y <sub>y</sub> ) <sub>0.7</sub> Ca <sub>0.3</sub> CoO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 07E127	2.5	12
111	Structural study of Pr <sub>0.8</sub> Na <sub>0.2</sub> MnO <sub>3</sub> at high pressure. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2003</b> , 267, 120-126	2.8	12
110	Two dimensional metallic conductivity in Pr <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> antiferromagnets. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 8275	2.5	12
109	Magnetic and transport properties of Pr <sub>0.65</sub> Ca <sub>0.21</sub> Sr <sub>0.14</sub> MnO <sub>3</sub> and Pr <sub>0.65</sub> Ba <sub>0.35</sub> MnO <sub>3</sub> single crystals. <i>Physical Review B</i> , <b>2000</b> , 61, 6896-6901	3.3	12
108	Neutron diffraction study of the modulated structure of Bi <sub>2</sub> Sr <sub>3-y</sub> Cu <sub>2</sub> O <sub>8+x</sub> (x~0.6). <i>Physica C: Superconductivity and Its Applications</i> , <b>1993</b> , 206, 27-32	1.3	12
107	Structure and transport properties of La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> granular ceramics. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 075001	3	11
106	Tunneling magnetoresistance of hydrothermally sintered La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> -silica nanocomposites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 479, 135-143	2.8	11
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94	Magnetism of perovskite cobaltites with Kramers rare-earth ions. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17E118	2.5	9
93	Clusters of Magnetic Nanoparticles as Contrast Agents for MRI: Effect of Aggregation on Transverse Relaxivity. <i>IEEE Transactions on Magnetism</i> , <b>2015</b> , 51, 1-4	2	9
92	Ground-state properties of the mixed-valence cobaltites Nd <sub>0.7</sub> Sr <sub>0.3</sub> CoO <sub>3</sub> , Nd <sub>0.7</sub> Ca <sub>0.3</sub> CoO <sub>3</sub> and Pr <sub>0.7</sub> Ca <sub>0.3</sub> CoO <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 216006	1.8	9
91	Structural and magnetic phase transitions in Pr <sub>0.15</sub> Sr <sub>0.85</sub> MnO <sub>3</sub> at high pressure. <i>European Physical Journal B</i> , <b>2010</b> , 77, 407-411	1.2	9
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