

# Alexander Mukhin

## 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.

192 papers	4,640 citations	34 h-index	62 g-index
206 ext. papers	5,019 ext. citations	2.6 avg, IF	4.94 L-index

#	Paper	IF	Citations
192	Magnetoelectric phenomena in Fe langasites. <i>Physical Review B</i> , <b>2022</b> , 105,	3.3	1
191	X-ray Natural Circular Dichroism Imaging of Multiferroic Crystals. <i>Crystals</i> , <b>2021</b> , 11, 531	2.3	3
190	Magnetic excitations and exchange interactions in the substituted multiferroics (Nd,Tb)Fe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> revealed by inelastic neutron scattering. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	1
189	Dimer Physics in the Frustrated Cairo Pentagonal Antiferromagnet Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> . <i>Physical Review Letters</i> , <b>2020</b> , 124, 127202	7.4	3
188	Proof of the elusive high-temperature incommensurate phase in CuO by spherical neutron polarimetry. <i>Science Advances</i> , <b>2020</b> , 6, eaay7661	14.3	2
187	Spin dynamics, antiferrodistortion and magnetoelectric interaction in multiferroics. The case of BiFeO <sub>3</sub> . <i>Physical Sciences Reviews</i> , <b>2020</b> ,	1.4	1
186	Controlling of light with electromagnons. <i>ChemistrySelect</i> , <b>2020</b> , 5,	1.8	3
185	Unusual magnetoelectric effect in paramagnetic rare-earth langasite. <i>Npj Quantum Materials</i> , <b>2020</b> , 5,	5	3
184	Sign change of polarization rotation under time or space inversion in magnetoelectric YbAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	6
183	Complex magnetic order in the Nd(Tb)Fe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> multiferroic revealed by single-crystal neutron diffraction. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	2
182	Floating zone crystal growth and magnetic properties of M-type Co-substituted strontium hexaferrites. <i>Journal of Crystal Growth</i> , <b>2019</b> , 524, 125158	1.6	3
181	Optical cryostat with sample rotating unit for polarization-sensitive terahertz and infrared spectroscopy. <i>Optical Engineering</i> , <b>2019</b> , 59, 1	1.1	16
180	Study of crystal-field excitations and infrared active phonons in TbMnO. <i>Journal of Physics Condensed Matter</i> , <b>2018</b> , 30, 175602	1.8	3
179	Switching of Magnons by Electric and Magnetic Fields in Multiferroic Borates. <i>Physical Review Letters</i> , <b>2018</b> , 120, 027203	7.4	19
178	Spin-wave dynamics and exchange interactions in multiferroic NdFe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> explored by inelastic neutron scattering. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 451, 443-449	2.8	9
177	Observation of transient lattice disorder at the onset of multiferroic ordering in Eu <sub>1-x</sub> HoxMnO <sub>3</sub> by Raman spectroscopy. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	1
176	Single-crystal neutron diffraction study of hexagonal multiferroic YbMnO <sub>3</sub> under a magnetic field. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	3

175	Conical magnetic structures in multiferroic SrScxFe12-xO19 hexaferrites derived from powder neutron diffraction. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	2
174	Phase transitions and exchange interactions in the SmCr3(BO3)4 crystal. <i>EPJ Web of Conferences</i> , <b>2017</b> , 132, 02008	0.3	1
173	Impact of temperature-dependent local and global spin order in RMnO3 compounds for spin-phonon coupling and electromagnon activity. <i>New Journal of Physics</i> , <b>2017</b> , 19, 013005	2.9	3
172	Magnetoelectric effect in ytterbium aluminum borate YbAl3(BO3)4. <i>JETP Letters</i> , <b>2017</b> , 105, 435-441	1.2	6
171	Magnetic and magnetoelectric properties of substituted M-type SrSc x Fe12 -x O19 hexaferrites. <i>Journal of Experimental and Theoretical Physics</i> , <b>2017</b> , 124, 604-611	1	11
170	A comparative Raman study between PrMnO , NdMnO , TbMnO and DyMnO. <i>Scientific Reports</i> , <b>2017</b> , 7, 13796	4.9	10
169	Electric and magnetic properties of titanium-cobalt-oxide single crystals produced by floating zone melting with light heating. <i>Low Temperature Physics</i> , <b>2017</b> , 43, 965-970	0.7	11
168	Single crystals growth of hexaferrites M-type MTixCoxFe12-xO19 (M = Ba, Sr) by floating zone and investigation of their magnetic and magnetoelectric properties. <i>Low Temperature Physics</i> , <b>2017</b> , 43, 971-976	0.7	3
167	Magnetic field induced phase transitions and phase diagrams of multiferroic Mn0.95Co0.05WO4 with cycloidal spin structure. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	5
166	Comment on Giant anisotropy of magnetocaloric effect in TbMnO3 single crystals— <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	19
165	Magnetic field-temperature phase diagrams of multiferroic (Ni0.9Co0.1)3V2O8. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	2
164	Electromagnons, magnons, and phonons in Eu1-xHoxMnO3. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	2
163	Lattice dynamics and spin-phonon coupling in orthorhombic Eu1-xHoxMnO3(x=0.3) studied by Raman spectroscopy. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	11
162	Terahertz spectroscopy of crystal-field transitions in magnetoelectric TmAl3(BO3)4. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	6
161	Magnetoelectric effect and phase transitions in CuO in external magnetic fields. <i>Nature Communications</i> , <b>2016</b> , 7, 10295	17.4	33
160	Comparative study of the field-induced and spontaneous AF2? multiferroic phases in MnWO4 and Mn0.90Co0.10WO4 within the magnetic symmetry framework. <i>Journal of Applied Crystallography</i> , <b>2016</b> , 49, 520-527	3.8	
159	Magnetic and magnetoelectric properties of M-type substitution hexaferrites TSc x Fe12 -x O19 (T = Ba, Sr). <i>JETP Letters</i> , <b>2015</b> , 101, 489-496	1.2	25
158	Direct observation of noncollinear order of Co and Mn moments in multiferroic Mn0.85Co0.15WO4. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	6

157	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
156	On the magnetocaloric effect in the multiferroic hexagonal DyMnO <sub>3</sub> single crystals. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2015</b> , 374, 252-257	2.8	39
155	Order-disorder type critical behavior at the magnetoelectric phase transition in multiferroic DyMnO <sub>3</sub> . <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	7
154	Large directional optical anisotropy in multiferroic ferroborate. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	15
153	Dynamic magnetoelectric phenomena with electromagnons in rare-earth borate multiferroics. <i>Physics-Uspexhi</i> , <b>2015</b> , 58, 993-1001	2.8	12
152	High-temperature magnetoelectricity of terbium aluminum borate: The role of excited states of the rare-earth ion. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	19
151	Magnetic and magnetoelectric properties of terbium aluminum borate. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2014</b> , 78, 97-99	0.4	3
150	X phase of MnWO <sub>4</sub> . <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	11
149	Giant gigahertz optical activity in multiferroic ferroborate. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	22
148	Magnetic properties of the multiferroic compounds Eu <sub>1-x</sub> Y <sub>x</sub> MnO <sub>3</sub> (x= 0.2 and 0.3). <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 551, 012014	0.3	0
147	Features of Magnetic and Magnetoelectric Properties in Rare-Earth Aluminum Borates RAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . <i>IEEE Transactions on Magnetism</i> , <b>2014</b> , 50, 1-4	2	3
146	Spontaneous reorientation of the electric polarization in Eu <sub>1-x</sub> Ho <sub>x</sub> MnO <sub>3</sub> multiferroics. <i>JETP Letters</i> , <b>2013</b> , 97, 28-33	1.2	6
145	Stabilization of multiferroic spin cycloid in Ni <sub>3</sub> V <sub>2</sub> O <sub>8</sub> by light Co doping. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	6
144	Electric field control of terahertz polarization in a multiferroic manganite with electromagnons. <i>Physical Review Letters</i> , <b>2013</b> , 111, 227201	7.4	41
143	Incommensurate magnetic structures of multiferroic MnWO <sub>4</sub> studied within the superspace formalism. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	30
142	Magnetic and micro-Raman studies of hexagonal-DyMnO <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 066003	1.8	4
141	Study of crystal-field excitations and infrared active phonons in the multiferroic hexagonal-DyMnO <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 475403	1.8	5
140	Microstructure of eutectic composites Ln <sub>1-x</sub> Ln' <sub>x</sub> MnO <sub>3</sub> (Ln = Eu or Tb; Ln' = Y or Ho) near the transition between the orthorhombic structure and hexagonal structures. <i>Crystallography Reports</i> , <b>2012</b> , 57, 549-554	0.6	

139	Magnetoelectric and magnetoelastic properties of easy-plane ferroborates with a small ionic radius. <i>Journal of Experimental and Theoretical Physics</i> , <b>2012</b> , 114, 810-817	1	14
138	Neutron powder diffraction and single crystal X-ray magnetic resonant and non-resonant scattering studies of the doped multiferroic Tb(Bi)MnO <sub>3</sub> . <i>European Physical Journal B</i> , <b>2012</b> , 85, 1	1.2	9
137	Conical antiferromagnetic order in the ferroelectric phase of Mn <sub>0.8</sub> Co <sub>0.2</sub> WO <sub>4</sub> resulting from the competition between collinear and cycloidal structures. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	19
136	Neutron diffraction, magnetic, and magnetoelectric studies of phase transitions in multiferroic Mn <sub>0.90</sub> Co <sub>0.10</sub> WO <sub>4</sub> . <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	18
135	Coupled R and Fe Magnetic Excitations in RFe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> Multiferroics. <i>Solid State Phenomena</i> , <b>2012</b> , 190, 269-272	0.4	2
134	Lattice anomalies at the ferroelectric and magnetic transitions in cycloidal Mn <sub>0.95</sub> Co <sub>0.05</sub> WO <sub>4</sub> and conical Mn <sub>0.80</sub> Co <sub>0.20</sub> WO <sub>4</sub> multiferroics. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	8
133	Colossal magnetodielectric effect in SmFe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> multiferroic. <i>JETP Letters</i> , <b>2011</b> , 93, 275-281	1.2	53
132	Effects of the interaction between R and Fe modes of the magnetic resonance in RFe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> rare-earth iron borates. <i>JETP Letters</i> , <b>2011</b> , 94, 294-300	1.2	20
131	Antiferromagnetic resonance and dielectric properties of rare-earth ferroborates in the submillimeter frequency range. <i>Journal of Experimental and Theoretical Physics</i> , <b>2011</b> , 113, 113-120	1	17
130	High-frequency electromagnon in GdMnO <sub>3</sub> . <i>European Physical Journal B</i> , <b>2011</b> , 80, 351-354	1.2	7
129	Magnetic and magnetoelectric excitations in multiferroic manganites. <i>Journal of Physics Condensed Matter</i> , <b>2011</b> , 23, 113201	1.8	23
128	Study of crystal-field excitations and Raman active phonons in o-DyMnO <sub>3</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2011</b> , 323, 1104-1108	2.8	12
127	Magnetic and ferroelectric properties of exchange-frustrated multiferroics (Ni <sub>1-x</sub> T <sub>x</sub> ) <sub>3</sub> V <sub>2</sub> O <sub>8</sub> (T = Co, Mn, Zn). <i>JETP Letters</i> , <b>2010</b> , 91, 147-154	1.2	9
126	Magnetic and dielectric properties of orthorhombic and hexagonal multiferroics Tb <sub>1-x</sub> Y <sub>x</sub> MnO <sub>3</sub> . <i>JETP Letters</i> , <b>2010</b> , 91, 392-397	1.2	7
125	Soft-mode behavior of electromagnons in multiferroic manganite. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	13
124	Composition-dependent spin-phonon coupling in mixed crystals of the multiferroic manganite Eu <sub>1-x</sub> Y <sub>x</sub> MnO <sub>3</sub> (0 ≤ x ≤ 0.5) studied by Raman spectroscopy. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	23
123	Raman study of the antiferromagnetic phase transitions in hexagonal YMnO <sub>3</sub> and LuMnO <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2010</b> , 22, 356002	1.8	24
122	Magnetoelectric and magnetoelastic properties of rare-earth ferroborates. <i>Low Temperature Physics</i> , <b>2010</b> , 36, 511-521	0.7	132

121	Evidence for electroactive excitation of the spin cycloid in TbMnO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2010</b> , 104, 097202	7.4	43
120	Peculiarities in the magnetic, magnetoelectric, and magnetoelastic properties of SmFe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> multiferroic. <i>Journal of Experimental and Theoretical Physics</i> , <b>2010</b> , 111, 199-203	1	34
119	Lattice dynamics of Eu <sub>1-x</sub> Y <sub>x</sub> MnO <sub>3</sub> (0 ≤ x ≤ 0.5). <i>European Physical Journal B</i> , <b>2010</b> , 73, 353-360	1.2	8
118	On the room temperature multiferroic BiFeO <sub>3</sub> : magnetic, dielectric and thermal properties. <i>European Physical Journal B</i> , <b>2010</b> , 75, 451-460	1.2	115
117	Spin-phonon coupling in multiferroic manganites RMnO <sub>3</sub> : comparison of pure (R = Eu, Gd, Tb) and substituted (R = Eu <sub>1-x</sub> Y <sub>x</sub> ) compounds. <i>European Physical Journal B</i> , <b>2010</b> , 78, 367-372	1.2	9
116	Magnetic susceptibility, phonons and dielectric constant of single crystalline BiFeO <sub>3</sub> . <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 200, 012106	0.3	19
115	Magnetoelectric phenomena in manganites R <sub>0.6</sub> Ca <sub>0.4</sub> MnO <sub>3</sub> (R = Pr, Nd) with charge ordering suppressed by a magnetic field <b>2010</b> , 106, 130		
114	Influence of the ground state of the Pr <sup>3+</sup> ion on magnetic and magnetoelectric properties of the PrFe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> multiferroic <b>2010</b> , 87, 39		
113	Frequency-domain magnetic-resonance spectroscopic investigations of the magnetization dynamics in Mn <sub>12</sub> Ac single crystals. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	13
112	Magnetic and magnetoelectric excitations in TbMnO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2009</b> , 102, 107203	7.4	54
111	Terahertz spectroscopy and the magnetoelectric properties of manganite-based multiferroics. <i>Physics-Uspekhi</i> , <b>2009</b> , 52, 851-856	2.8	9
110	On the effect of inhomogeneous magnetoelectric (flexomagnetoelectric) interaction on the spectrum and properties of magnons in multiferroics. <i>JETP Letters</i> , <b>2009</b> , 89, 328-332	1.2	29
109	Observation of spontaneous spin reorientation in Nd <sub>1-x</sub> Dy <sub>x</sub> Fe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> ferroborates with a competitive R-Fe exchange. <i>JETP Letters</i> , <b>2009</b> , 89, 345-351	1.2	19
108	Nd <sup>3+</sup> crystal-field study of weakly doped Nd <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2009</b> , 321, 3607-3610	2.8	5
107	Infrared study of SmMnO <sub>3</sub> crystal field excitations. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07E113	2.5	3
106	Far-infrared optical excitations in multiferroic TbMnO <sub>3</sub> . <i>European Physical Journal B</i> , <b>2009</b> , 71, 411-418	1.2	23
105	Magnetic anisotropy and magnetoelectric properties of Tb <sub>1-x</sub> Er <sub>x</sub> Fe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> ferroborates. <i>Journal of Experimental and Theoretical Physics</i> , <b>2009</b> , 109, 68-73	1	32
104	A micro-Raman study of a Pr <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> single crystal and thin films. <i>Journal of Physics Condensed Matter</i> , <b>2009</b> , 21, 386004	1.8	3

103	Relaxations as key to the magnetocapacitive effects in the perovskite manganites. <i>Physical Review Letters</i> , <b>2009</b> , 102, 207208	7.4	61
102	Antiferromagnetic Ordering of the 3d Ions in Compounds with Ca <sub>3</sub> Ga <sub>2</sub> Ge <sub>4</sub> O <sub>14</sub> Structure. <i>Solid State Phenomena</i> , <b>2009</b> , 152-153, 299-302	0.4	22
101	A terahertz spectrometer with a pulsed high magnetic field. <i>Instruments and Experimental Techniques</i> , <b>2008</b> , 51, 850-856	0.5	1
100	Influence of the ground state of the Pr <sup>3+</sup> ion on magnetic and magnetoelectric properties of the PrFe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> multiferroic. <i>JETP Letters</i> , <b>2008</b> , 87, 39-44	1.2	35
99	Magnetoelectric interactions and phase transitions in a new class of multiferroics with improper electric polarization. <i>JETP Letters</i> , <b>2008</b> , 88, 505-510	1.2	59
98	Terahertz spectroscopy of electromagnons in Eu <sub>1-x</sub> Y <sub>x</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	52
97	Electromagnons in multiferroic manganites. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 434209	1.8	60
96	Quasioptical study of antiferromagnetic resonance in YFeO <sub>3</sub> at submillimeter wavelength under high pulsed magnetic fields. <i>Journal of Magnetic Resonance</i> , <b>2008</b> , 195, 60-6	3	5
95	Magnetoelectric phenomena in manganites R <sub>0.6</sub> Ca <sub>0.4</sub> MnO <sub>3</sub> (R = Pr, Nd) with charge ordering suppressed by a magnetic field. <i>Journal of Experimental and Theoretical Physics</i> , <b>2008</b> , 106, 130-134	1	5
94	Switching of spontaneous electric polarization in the DyMnO <sub>3</sub> multiferroic. <i>JETP Letters</i> , <b>2007</b> , 85, 503-506	3.6	17
93	Phase transitions and spin excitations in new multiferroics with modulated magnetic structure. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2007</b> , 71, 1617-1619	0.4	5
92	Infrared study in high magnetic fields of the crystal-field excitations in PrMnO <sub>3</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 311, 583-588	2.8	5
91	Micro-Raman and magnetization studies of Nd <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> phase transitions. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 92, 012125	0.3	1
90	Multiferroic phases of Eu <sub>1-x</sub> Y <sub>x</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	159
89	Magnetic, dielectric and magnetoelectric properties of new family of orthorhombic multiferroic Eu <sub>1-x</sub> Y <sub>x</sub> MnO <sub>3</sub> manganites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2006</b> , 300, e130-e133	2.8	19
88	Spin-phonon coupling in orthorhombic RMnO <sub>3</sub> (R=Pr,Nd,Sm,Eu,Gd,Tb,Dy,Ho,Y): A Raman study. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	167
87	Scaling of terahertz conductivity at the metal-insulator transition in doped manganites. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	11
86	Micro-Raman study and phase transitions of Nd <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, 1667-1676	1.8	6



85	Coupling of phonons and electromagnons in GdMnO <sub>3</sub> . <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	89
84	New orthorhombic multiferroics R <sub>1-x</sub> Y <sub>x</sub> MnO <sub>3</sub> (R = Eu, Gd). <i>Physica Status Solidi (B): Basic Research</i> , <b>2006</b> , 243, 107-111	1.3	25
83	Possible evidence for electromagnons in multiferroic manganites. <i>Nature Physics</i> , <b>2006</b> , 2, 97-100	16.2	429
82	Raman and infrared quest for orbitons in Nd <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> . <i>Physica B: Condensed Matter</i> , <b>2006</b> , 381, 214-218	3.8	9
81	Magnetic properties and phase transitions in hexagonal DyMnO <sub>3</sub> single crystals. <i>Physics of the Solid State</i> , <b>2006</b> , 48, 1726-1729	0.8	33
80	Phase transitions induced by a strong magnetic field in electron-doped manganites. <i>Physics of the Solid State</i> , <b>2006</b> , 48, 2134-2136	0.8	4
79	Raman study of orbital mediated multiphonons in RMnO <sub>3</sub> (R = Pr, Sm, Eu, Tb, Y). <i>European Physical Journal B</i> , <b>2006</b> , 54, 67-72	1.2	20
78	Infrared study of the crystal-field excitations in NdMnO <sub>3</sub> in high magnetic fields. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	22
77	Terahertz Faraday effect in single molecule magnets. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	27
76	Specificity of magnetoelectric effects in a new GdMnO <sub>3</sub> magnetic ferroelectric. <i>JETP Letters</i> , <b>2005</b> , 81, 19-23	1.2	33
75	Specific features of the magnetic field-induced orientational transition in EuMnO <sub>3</sub> . <i>JETP Letters</i> , <b>2005</b> , 81, 590-593	1.2	15
74	Observation of electric polarization in Gd <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> (x = 0.5, 0.6, 0.7) single crystals. <i>JETP Letters</i> , <b>2005</b> , 82, 590-593	1.2	8
73	Terahertz BWO-Spectroscopy. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , <b>2005</b> , 26, 1217-1240		128
72	Resonant micro-Raman study of Nd <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, 5247-5254	3.4	6
71	Raman-active phonons and Nd <sup>3+</sup> crystal-field studies of weakly doped Nd <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	3
70	Asymmetric lineshape due to inhomogeneous broadening of the crystal-field transitions in Mn <sub>12</sub> acetate single crystals. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	12
69	Anomalies in the magnetic and magnetoelastic properties of Sm <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> single crystals (x ~ 0.5) at phase transitions. <i>Physics of the Solid State</i> , <b>2004</b> , 46, 1252-1254	0.8	
68	Anomalies in the magnetic and magnetoelastic properties of Nd <sub>1-x</sub> CaxMnO <sub>3</sub> single crystals in strong magnetic fields. <i>Physics of the Solid State</i> , <b>2004</b> , 46, 2222-2224	0.8	3



67	Magnetic properties and specific heat of RMnO <sub>3</sub> (R=Pr, Nd). <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	76
66	Lineshape of magnetodipole transitions and magnetization relaxation in Mn <sub>12</sub> Ac. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, E769-E770	2.8	1
65	Effect of rare-earth ions on magnetic properties and spin excitations in manganites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, 96-97	2.8	17
64	Frequency-domain magnetic resonance spectroscopy. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, E765-E767	2.8	6
63	Antiferromagnetic resonances and magnetization of a canted antiferromagnet. <i>Journal of Magnetic Resonance</i> , <b>2004</b> , 170, 8-14	3	12
62	Complex interplay of 3d and 4f magnetism in La <sub>1-x</sub> Gd <sub>x</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	162
61	Orbital Order and Spin Relaxation in La <sub>0.95</sub> Sr <sub>0.05</sub> MnO <sub>3</sub> . <i>Modern Physics Letters B</i> , <b>2003</b> , 17, 469-477	1.6	
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59	Phase T <sub>x</sub> diagram of Sm <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> single crystals (0 ≤ x ≤ 0.8). <i>Journal of Magnetism and Magnetic Materials</i> , <b>2003</b> , 258-259, 535-538	2.8	20
58	Study of Raman active phonons in NdMnO <sub>3</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2003</b> , 264, 36-43	2.8	23
57	Anomalies of magnetic and magnetoelastic properties in Nd <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> . <i>Physica B: Condensed Matter</i> , <b>2003</b> , 329-333, 854-855	2.8	4
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53	High-frequency magnetic spectroscopy on the molecular magnetic cluster V <sub>15</sub> . <i>Physical Chemistry Chemical Physics</i> , <b>2003</b> , 5, 2778-2782	3.6	23
52	Quantum tunneling and relaxation in Mn <sub>12</sub> -acetate studied by magnetic spectroscopy. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	31
51	High-field ESR spectroscopy of the spin dynamics in La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> (x. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	30
50	Crystal field, Dzyaloshinsky-Moriya interaction, and orbital order in La <sub>0.95</sub> Sr <sub>0.05</sub> MnO <sub>3</sub> probed by ESR. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	46

49	Structural, magnetic, and electrical properties of single-crystalline $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ (0.4. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	223
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47	Anomalies of magnetoelastic properties and insulator-metal phase transitions induced by a magnetic field in substituted praseodymium manganites. <i>Physics of the Solid State</i> , <b>2001</b> , 43, 1533-1537	0.8	4
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44	Charge order transitions in manganese oxides. <i>Ferroelectrics</i> , <b>2001</b> , 249, 21-30	0.6	2
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29	Magnetic and submillimeter spectroscopy study of phase transitions in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ perovskites: $T$ - $x$ phase diagram. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1999</b> , 196-197, 501-503	2.8	5
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19	Magnetic, dielectric, and transport properties of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ at submillimeter wavelengths. <i>Journal of Applied Physics</i> , <b>1998</b> , 83, 7180-7182	2.5	34
18	Magnetostriction and field induced transitions in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ in pulsed magnetic fields. <i>Journal of Applied Physics</i> , <b>1998</b> , 83, 7160-7162	2.5	16
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16	Field-induced spin reorientations in $\text{TbFeO}_3$ at 4.2 K. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1996</b> , 152, 75-85	2.8	18
15	Gigantic increase of AFMR frequencies induced by nonmagnetic impurity ions in orthoferrites $\text{RFe}_{1-x}\text{Al}_x\text{O}_3$ ( $\text{R} = \text{Gd}, \text{Tb}$ ). <i>Journal of Magnetism and Magnetic Materials</i> , <b>1996</b> , 157-158, 496-498	2.8	0
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8	Influence of magnetic vacancies on spin excitations in the rare-earth orthoferrites $\text{RFe}_{1-x}\text{Al}_x\text{O}_3$ (R = Gd, Ho). <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1995</b> , 198, 158-162	2.3	2
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5	. <i>IEEE Transactions on Magnetics</i> , <b>1993</b> , 29, 3440-3442	2	2
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