

Alexander Mukhin

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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	Possible evidence for electromagnons in multiferroic manganites. <i>Nature Physics</i> , 2006 , 2, 97-100	16.2	429
191	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> , 2002 , 66,	3.3	223
190	Spin-phonon coupling in orthorhombic RMnO_3 (R=Pr,Nd,Sm,Eu,Gd,Tb,Dy,Ho,Y): A Raman study. <i>Physical Review B</i> , 2006 , 73,	3.3	167
189	Complex interplay of 3d and 4f magnetism in $\text{La}_{1-x}\text{Gd}_x\text{MnO}_3$. <i>Physical Review B</i> , 2004 , 70,	3.3	162
188	Multiferroic phases of $\text{Eu}_{1-x}\text{Y}_x\text{MnO}_3$. <i>Physical Review B</i> , 2007 , 75,	3.3	159
187	ESR study in lightly doped $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. <i>Physical Review B</i> , 2000 , 61, 6213-6219	3.3	157
186	Magnetoelectric and magnetoelastic properties of rare-earth ferroborates. <i>Low Temperature Physics</i> , 2010 , 36, 511-521	0.7	132
185	Terahertz BWO-Spectroscopy. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2005 , 26, 1217-1240		128
184	On the room temperature multiferroic BiFeO_3 : magnetic, dielectric and thermal properties. <i>European Physical Journal B</i> , 2010 , 75, 451-460	1.2	115
183	Coupling of phonons and electromagnons in GdMnO_3 . <i>Physical Review B</i> , 2006 , 74,	3.3	89
182	Submillimeter spectroscopy of Mn $^{12+}$ -Ac magnetic clusters. <i>Europhysics Letters</i> , 1998 , 44, 778-782	1.6	83
181	Frequency-domain magnetic resonance spectroscopy of molecular magnetic materials. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 3837-3843	3.6	82
180	Charge carrier localization in investigated by ac conductivity measurements. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 3273-3290	1.8	77
179	Magnetic properties and specific heat of RMnO_3 (R=Pr, Nd). <i>Physical Review B</i> , 2004 , 69,	3.3	76
178	Magnetic properties and the phase diagram of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ for $x \geq 0.2$. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 3993-4011	1.8	76
177	Optical spectroscopy of crystal-field transitions in the molecular magnet Fe_8 . <i>Physical Review B</i> , 2001 , 63,	3.3	66
176	Relaxations as key to the magnetocapacitive effects in the perovskite manganites. <i>Physical Review Letters</i> , 2009 , 102, 207208	7.4	61

175	Electromagnons in multiferroic manganites. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 434209	1.8	60
174	Magnetoelectric interactions and phase transitions in a new class of multiferroics with improper electric polarization. <i>JETP Letters</i> , 2008 , 88, 505-510	1.2	59
173	Magnetic and magnetoelectric excitations in TbMnO ₃ . <i>Physical Review Letters</i> , 2009 , 102, 107203	7.4	54
172	Colossal magnetodielectric effect in SmFe ₃ (BO ₃) ₄ multiferroic. <i>JETP Letters</i> , 2011 , 93, 275-281	1.2	53
171	Terahertz spectroscopy of electromagnons in Eu _{1-x} Y _x MnO ₃ . <i>Physical Review B</i> , 2008 , 77,	3.3	52
170	Magnetic, electronic, dielectric and optical properties of Pr(Ca:Sr)MnO ₃ . <i>European Physical Journal B</i> , 2001 , 20, 7-17	1.2	49
169	. <i>IEEE Transactions on Magnetics</i> , 1993 , 29, 3443-3445	2	47
168	Phase transitions in Sm _{1-x} Sr _x MnO ₃ single crystals (0 ≤ x ≤ 0.8). <i>Physica Status Solidi (B): Basic Research</i> , 2003 , 236, 445-449	1.3	46
167	Crystal field, Dzyaloshinsky-Moriya interaction, and orbital order in La _{0.95} Sr _{0.05} MnO ₃ probed by ESR. <i>Physical Review B</i> , 2002 , 65,	3.3	46
166	Evidence for electroactive excitation of the spin cycloid in TbMnO ₃ . <i>Physical Review Letters</i> , 2010 , 104, 097202	7.4	43
165	Electric field control of terahertz polarization in a multiferroic manganite with electromagnons. <i>Physical Review Letters</i> , 2013 , 111, 227201	7.4	41
164	On the magnetocaloric effect in the multiferroic hexagonal DyMnO ₃ single crystals. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 374, 252-257	2.8	39
163	The phase diagram and optical properties of La _{1-x} Sr _x MnO ₃ for x ≥ 0.2. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 211, 118-127	2.8	39
162	Magnetic and structural transitions in La _{1-x} Sr _x MnO ₃ : T-x phase diagram. <i>JETP Letters</i> , 1998 , 68, 356-362.	2.2	35
161	Influence of the ground state of the Pr ³⁺ ion on magnetic and magnetoelectric properties of the PrFe ₃ (BO ₃) ₄ multiferroic. <i>JETP Letters</i> , 2008 , 87, 39-44	1.2	35
160	Peculiarities in the magnetic, magnetoelectric, and magnetoelastic properties of SmFe ₃ (BO ₃) ₄ multiferroic. <i>Journal of Experimental and Theoretical Physics</i> , 2010 , 111, 199-203	1	34
159	High-field antiferromagnetic resonance in single-crystalline La _{0.95} Sr _{0.05} MnO ₃ : Experimental evidence for the existence of a canted magnetic structure. <i>Physical Review B</i> , 2000 , 62, 5685-5689	3.3	34
158	Magnetic, dielectric, and transport properties of La _{1-x} Sr _x MnO ₃ at submillimeter wavelengths. <i>Journal of Applied Physics</i> , 1998 , 83, 7180-7182	2.5	34

- ¹⁵⁷ Magnetolectric effect and phase transitions in CuO in external magnetic fields. *Nature Communications*, **2016**, 7, 10295 17.4 33
- ¹⁵⁶ Magnetic properties and phase transitions in hexagonal DyMnO₃ single crystals. *Physics of the Solid State*, **2006**, 48, 1726-1729 0.8 33
- ¹⁵⁵ Specificity of magnetolectric effects in a new GdMnO₃ magnetic ferroelectric. *JETP Letters*, **2005**, 81, 19-23 1.2 33
- ¹⁵⁴ Magnetic anisotropy and magnetolectric properties of Tb_{1-x}Er_xFe₃(BO₃)₄ ferroborates. *Journal of Experimental and Theoretical Physics*, **2009**, 109, 68-73 1 32
- ¹⁵³ Quantum tunneling and relaxation in Mn₁₂-acetate studied by magnetic spectroscopy. *Physical Review B*, **2003**, 67, 3-3 31
- ¹⁵² Incommensurate magnetic structures of multiferroic MnWO₄ studied within the superspace formalism. *Physical Review B*, **2013**, 87, 3-3 30
- ¹⁵¹ High-field ESR spectroscopy of the spin dynamics in La_{1-x}Sr_xMnO₃ (x). *Physical Review B*, **2002**, 65, 3-3 30
- ¹⁵⁰ On the effect of inhomogeneous magnetolectric (flexomagnetolectric) interaction on the spectrum and properties of magnons in multiferroics. *JETP Letters*, **2009**, 89, 328-332 1.2 29
- ¹⁴⁹ Terahertz Faraday effect in single molecule magnets. *Physical Review B*, **2005**, 72, 3-3 27
- ¹⁴⁸ Magnetic anisotropy and ground state of the rare-earth ions in PrMnO₃ and NdMnO₃. *Journal of Magnetism and Magnetic Materials*, **2001**, 226-230, 1139-1141 2.8 27
- ¹⁴⁷ Itinerant versus localized transport in La_{1-x}Sr_xMnO₃ for x. *Physical Review B*, **1999**, 59, 12419-12424 3.3 26
- ¹⁴⁶ Magnetic and magnetolectric properties of M-type substitution hexaferrites TSc_xFe_{12-3x}O₁₉ (T = Ba, Sr). *JETP Letters*, **2015**, 101, 489-496 1.2 25
- ¹⁴⁵ New orthorhombic multiferroics R_{1-x}Y_xMnO₃ (R = Eu, Gd). *Physica Status Solidi (B): Basic Research*, **2006**, 243, 107-111 1.3 25
- ¹⁴⁴ Raman study of the antiferromagnetic phase transitions in hexagonal YMnO₃ and LuMnO₃. *Journal of Physics Condensed Matter*, **2010**, 22, 356002 1.8 24
- ¹⁴³ Magnetic and magnetolectric excitations in multiferroic manganites. *Journal of Physics Condensed Matter*, **2011**, 23, 113201 1.8 23
- ¹⁴² Composition-dependent spin-phonon coupling in mixed crystals of the multiferroic manganite Eu_{1-x}Y_xMnO₃ (0 ≤ x ≤ 0.5) studied by Raman spectroscopy. *Physical Review B*, **2010**, 81, 3-3 23
- ¹⁴¹ Far-infrared optical excitations in multiferroic TbMnO₃. *European Physical Journal B*, **2009**, 71, 411-418 1.2 23
- ¹⁴⁰ Study of Raman active phonons in NdMnO₃. *Journal of Magnetism and Magnetic Materials*, **2003**, 264, 36-43 2.8 23

139	High-frequency magnetic spectroscopy on the molecular magnetic cluster V15. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 2778-2782	3.6	23
138	Antiferromagnetic resonance in the canted phase of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$: Experimental evidence against electronic phase separation. <i>Europhysics Letters</i> , 2000 , 49, 514-520	1.6	23
137	Giant gigahertz optical activity in multiferroic ferroborate. <i>Physical Review B</i> , 2014 , 89,	3.3	22
136	Antiferromagnetic Ordering of the 3d Ions in Compounds with $\text{Ca}_3\text{Ga}_2\text{Ge}_4\text{O}_{14}$ Structure. <i>Solid State Phenomena</i> , 2009 , 152-153, 299-302	0.4	22
135	Infrared study of the crystal-field excitations in NdMnO_3 in high magnetic fields. <i>Physical Review B</i> , 2005 , 71,	3.3	22
134	Effects of the interaction between R and Fe modes of the magnetic resonance in $\text{RFe}_3(\text{BO}_3)_4$ rare-earth iron borates. <i>JETP Letters</i> , 2011 , 94, 294-300	1.2	20
133	Raman study of orbital mediated multiphonons in RMnO_3 (R = Pr,Sm,Eu,Tb,Y). <i>European Physical Journal B</i> , 2006 , 54, 67-72	1.2	20
132	Phase T χ diagram of $\text{Sm}_{1-x}\text{Sr}_x\text{MnO}_3$ single crystals ($0 \leq x \leq 0.8$). <i>Journal of Magnetism and Magnetic Materials</i> , 2003 , 258-259, 535-538	2.8	20
131	Comment on "Giant anisotropy of magnetocaloric effect in TbMnO_3 single crystals" <i>Physical Review B</i> , 2017 , 96,	3.3	19
130	Switching of Magnons by Electric and Magnetic Fields in Multiferroic Borates. <i>Physical Review Letters</i> , 2018 , 120, 027203	7.4	19
129	High-temperature magnetoelectricity of terbium aluminum borate: The role of excited states of the rare-earth ion. <i>Physical Review B</i> , 2014 , 89,	3.3	19
128	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
127	Observation of spontaneous spin reorientation in $\text{Nd}_{1-x}\text{Dy}_x\text{Fe}_3(\text{BO}_3)_4$ ferroborates with a competitive R-Fe exchange. <i>JETP Letters</i> , 2009 , 89, 345-351	1.2	19
126	Magnetic susceptibility, phonons and dielectric constant of single crystalline BiFeO_3 . <i>Journal of Physics: Conference Series</i> , 2010 , 200, 012106	0.3	19
125	Magnetic, dielectric and magnetoelectric properties of new family of orthorhombic multiferroic $\text{Eu}_{1-x}\text{Y}_x\text{MnO}_3$ manganites. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 300, e130-e133	2.8	19
124	High-frequency conductivity and phonon properties of $\text{La}_{7/8}\text{Sr}_{1/8}\text{MnO}_3$. <i>Physical Review B</i> , 2000 , 62, 15673-15679	3.3	19
123	Crystal Field and Metamagnetic Behavior of Rare-Earth Orthoaluminates: DyAlO_3 . <i>Physica Status Solidi (B): Basic Research</i> , 1990 , 159, 845-850	1.3	19
122	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

121	Field-induced spin reorientations in TbFeO ₃ at 4.2 K. <i>Journal of Magnetism and Magnetic Materials</i> , 1996 , 152, 75-85	2.8	18
120	Antiferromagnetic resonance and dielectric properties of rare-earth ferroborates in the submillimeter frequency range. <i>Journal of Experimental and Theoretical Physics</i> , 2011 , 113, 113-120	1	17
119	Switching of spontaneous electric polarization in the DyMnO ₃ multiferroic. <i>JETP Letters</i> , 2007 , 85, 503-506	17	
118	Effect of rare-earth ions on magnetic properties and spin excitations in manganites. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 96-97	2.8	17
117	Magnetostriction and field induced transitions in La _{1-x} Sr _x MnO ₃ in pulsed magnetic fields. <i>Journal of Applied Physics</i> , 1998 , 83, 7160-7162	2.5	16
116	Optical cryostat with sample rotating unit for polarization-sensitive terahertz and infrared spectroscopy. <i>Optical Engineering</i> , 2019 , 59, 1	1.1	16
115	Large directional optical anisotropy in multiferroic ferroborate. <i>Physical Review B</i> , 2015 , 92,	3.3	15
114	Specific features of the magnetic field-induced orientational transition in EuMnO ₃ . <i>JETP Letters</i> , 2005 , 81, 590-593	1.2	15
113	Magnetoelectric and magnetoelastic properties of easy-plane ferroborates with a small ionic radius. <i>Journal of Experimental and Theoretical Physics</i> , 2012 , 114, 810-817	1	14
112	Soft-mode behavior of electromagnons in multiferroic manganite. <i>Physical Review B</i> , 2010 , 82,	3.3	13
111	Frequency-domain magnetic-resonance spectroscopic investigations of the magnetization dynamics in Mn ₁₂ Ac single crystals. <i>Physical Review B</i> , 2009 , 79,	3.3	13
110	SUBMILLIMETER SPECTROSCOPY OF ANTIFERROMAGNETIC DIELECTRICS: RARE-EARTH ORTHOFERRITES 1995 , 56-98		13
109	Submillimeter and far IR spectroscopy of magneto- and electro-dipolar rare-earth modes in the orthoferrite TmFeO ₃ . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1991 , 153, 499-504	2.3	13
108	Dynamic magnetoelectric phenomena with electromagnons in rare-earth borate multiferroics. <i>Physics-Uspekhi</i> , 2015 , 58, 993-1001	2.8	12
107	Study of crystal-field excitations and Raman active phonons in o-DyMnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2011 , 323, 1104-1108	2.8	12
106	Asymmetric lineshape due to inhomogeneous broadening of the crystal-field transitions in Mn ₁₂ acetate single crystals. <i>Physical Review B</i> , 2004 , 69,	3.3	12
105	Antiferromagnetic resonances and magnetization of a canted antiferromagnet. <i>Journal of Magnetic Resonance</i> , 2004 , 170, 8-14	3	12
104	Magnetic and magnetoelectric properties of substituted M-type SrSc _x Fe _{12-3x} O ₁₉ hexaferrites. <i>Journal of Experimental and Theoretical Physics</i> , 2017 , 124, 604-611	1	11

103	Electric and magnetic properties of titanium-cobalt-oxide single crystals produced by floating zone melting with light heating. <i>Low Temperature Physics</i> , 2017 , 43, 965-970	0.7	11
102	Lattice dynamics and spin-phonon coupling in orthorhombic $\text{Eu}_{1-x}\text{Ho}_x\text{MnO}_3$ ($x=0.3$) studied by Raman spectroscopy. <i>Physical Review B</i> , 2016 , 93,	3.3	11
101	X phase of MnWO_4 . <i>Physical Review B</i> , 2014 , 90,	3.3	11
100	Scaling of terahertz conductivity at the metal-insulator transition in doped manganites. <i>Physical Review B</i> , 2006 , 73,	3.3	11
99	A comparative Raman study between PrMnO , NdMnO , TbMnO and DyMnO . <i>Scientific Reports</i> , 2017 , 7, 13796	4.9	10
98	Phase Transitions and Spin Relaxation in $\text{La}_{0.95}\text{Sr}_{0.05}\text{MnO}_3$. <i>Modern Physics Letters B</i> , 2003 , 17, 459-467	1.6	10
97	Effect of magnetic vacancies on magnetic properties of terbium orthoferrites. <i>Physica Status Solidi A</i> , 1984 , 84, 215-222		10
96	Spin-wave dynamics and exchange interactions in multiferroic $\text{NdFe}_3(\text{BO}_3)_4$ explored by inelastic neutron scattering. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 451, 443-449	2.8	9
95	Neutron powder diffraction and single crystal X-ray magnetic resonant and non-resonant scattering studies of the doped multiferroic $\text{Tb}(\text{Bi})\text{MnO}_3$. <i>European Physical Journal B</i> , 2012 , 85, 1	1.2	9
94	Magnetic and ferroelectric properties of exchange-frustrated multiferroics $(\text{Ni}_{1-x}\text{T}_x)\text{Mn}_2\text{O}_8$ ($\text{T} = \text{Co, Mn, Zn}$). <i>JETP Letters</i> , 2010 , 91, 147-154	1.2	9
93	Terahertz spectroscopy and the magnetoelectric properties of manganite-based multiferroics. <i>Physics-Uspekhi</i> , 2009 , 52, 851-856	2.8	9
92	Spin-phonon coupling in multiferroic manganites RMnO_3 : comparison of pure ($\text{R} = \text{Eu, Gd, Tb}$) and substituted ($\text{R} = \text{Eu}_{1-x}\text{Y}_x$) compounds. <i>European Physical Journal B</i> , 2010 , 78, 367-372	1.2	9
91	Raman and infrared quest for orbitons in $\text{Nd}_{1-x}\text{Sr}_x\text{MnO}_3$. <i>Physica B: Condensed Matter</i> , 2006 , 381, 214-218	1.8	9
90	Orthorhombic distortion of Rb_2MnCl_4 in its antiferromagnetic phase. <i>Journal of Physics Condensed Matter</i> , 1992 , 4, 2281-2295	1.8	9
89	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> , 2012 , 86,	3.3	8
88	Lattice dynamics of $\text{Eu}_{1-x}\text{Y}_x\text{MnO}_3$ ($0 \leq x \leq 0.5$). <i>European Physical Journal B</i> , 2010 , 73, 353-360	1.2	8
87	Behavior of sound velocities in the compounds $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ near magnetic and structural phase transitions. <i>JETP Letters</i> , 1998 , 68, 153-159	1.2	8
86	Observation of electric polarization in $\text{Gd}_{1-x}\text{Sr}_x\text{MnO}_3$ ($x = 0.5, 0.6, 0.7$) single crystals. <i>JETP Letters</i> , 2005 , 82, 590-593	1.2	8

85	Order-disorder type critical behavior at the magnetoelectric phase transition in multiferroic DyMnO ₃ . <i>Physical Review B</i> , 2015 , 91,	3.3	7
84	High-frequency electromagnon in GdMnO ₃ . <i>European Physical Journal B</i> , 2011 , 80, 351-354	1.2	7
83	Magnetic and dielectric properties of orthorhombic and hexagonal multiferroics Tb _{1-x} Y _x MnO ₃ . <i>JETP Letters</i> , 2010 , 91, 392-397	1.2	7
82	Electron transitions in magnetic clusters Mn ₁₂ -Ac at submillimeter wavelengths. <i>Physica B: Condensed Matter</i> , 2000 , 284-288, 1221-1222	2.8	7
81	Thermal-expansion and magnetostriction anomalies in phase transitions in La _{1-x} Sr _x MnO ₃ . <i>Physics of the Solid State</i> , 2000 , 42, 1110-1115	0.8	7
80	Magnetoelectric effect in ytterbium aluminum borate YbAl ₃ (BO ₃) ₄ . <i>JETP Letters</i> , 2017 , 105, 435-441	1.2	6
79	Sign change of polarization rotation under time or space inversion in magnetoelectric YbAl ₃ (BO ₃) ₄ . <i>Physical Review B</i> , 2019 , 99,	3.3	6
78	Direct observation of noncollinear order of Co and Mn moments in multiferroic Mn _{0.85} Co _{0.15} WO ₄ . <i>Physical Review B</i> , 2015 , 91,	3.3	6
77	Terahertz spectroscopy of crystal-field transitions in magnetoelectric TmAl ₃ (BO ₃) ₄ . <i>Physical Review B</i> , 2016 , 94,	3.3	6
76	Spontaneous reorientation of the electric polarization in Eu _{1-x} Ho _x MnO ₃ multiferroics. <i>JETP Letters</i> , 2013 , 97, 28-33	1.2	6
75	Stabilization of multiferroic spin cycloid in Ni ₃ V ₂ O ₈ by light Co doping. <i>Physical Review B</i> , 2013 , 88,	3.3	6
74	Gyrotropic properties of antiferromagnets near AFMR:: submillimeter quasioptical spectroscopy of YFeO ₃ and Cr ₂ O ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 1998 , 183, 157-159	2.8	6
73	Frequency-dependent conductivity of UPd ₂ Al ₃ films. <i>Physica B: Condensed Matter</i> , 1998 , 244, 125-132	2.8	6
72	Micro-Raman study and phase transitions of Nd _{0.5} Ca _{0.5} MnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 1667-1676	1.8	6
71	Frequency-domain magnetic resonance spectroscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E765-E767	2.8	6
70	The nature of magnetoelastic anomalies in Nd _{0.5} Sr _{0.5} MnO ₃ upon suppression of charge ordering by a magnetic field. <i>Physics of the Solid State</i> , 2003 , 45, 1280-1283	0.8	6
69	Resonant micro-Raman study of Nd _{0.5} Sr _{0.5} MnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 5247-5284		6
68	Magnetic field induced phase transitions and phase diagrams of multiferroic Mn _{0.95} Co _{0.05} WO ₄ with cycloidal spin structure. <i>Physical Review B</i> , 2017 , 96,	3.3	5

67	Field effects with H 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
66	Study of crystal-field excitations and infrared active phonons in the multiferroic hexagonal-DyMnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 475403	1.8	5
65	Nd 3+ crystal-field study of weakly doped Nd 1-x Ca x MnO 3. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 3607-3610	2.8	5
64	Phase transitions and spin excitations in new multiferroics with modulated magnetic structure. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2007 , 71, 1617-1619	0.4	5
63	Infrared study in high magnetic fields of the crystal-field excitations in PrMnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 311, 583-588	2.8	5
62	Quasi-optical study of antiferromagnetic resonance in YFeO ₃ at submillimeter wavelength under high pulsed magnetic fields. <i>Journal of Magnetic Resonance</i> , 2008 , 195, 60-6	3	5
61	Magnetoelectric phenomena in manganites R _{0.6} Ca _{0.4} MnO ₃ (R = Pr, Nd) with charge ordering suppressed by a magnetic field. <i>Journal of Experimental and Theoretical Physics</i> , 2008 , 106, 130-134	1	5
60	Magnetic and submillimeter spectroscopy study of phase transitions in La _{1-x} Sr _x MnO ₃ perovskites: T _c phase diagram. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 196-197, 501-503	2.8	5
59	AFMR and magnetic anisotropy in Y ₁ -Lu FeO ₃ orthoferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 140-144, 2141-2142	2.8	5
58	Magnetic and micro-Raman studies of hexagonal-DyMnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 066003	1.8	4
57	Phase transitions induced by a strong magnetic field in electron-doped manganites. <i>Physics of the Solid State</i> , 2006 , 48, 2134-2136	0.8	4
56	Anomalies of magnetic and magnetoelastic properties in Nd _{1-x} Ca _x MnO ₃ . <i>Physica B: Condensed Matter</i> , 2003 , 329-333, 854-855	2.8	4
55	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> , 2001 , 43, 1533-1537	0.8	4
54	Magnetoelastic anomalies at spontaneous and field-induced transitions in La _{1-x} Sr _x MnO ₃ . <i>Physica B: Condensed Matter</i> , 2000 , 284-288, 1410-1411	2.8	4
53	New mechanism of the spin-reorientation phase transition in neodymium orthochromite. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 140-144, 2157-2158	2.8	4
52	Impact of temperature-dependent local and global spin order in RMnO ₃ compounds for spin-phonon coupling and electromagnon activity. <i>New Journal of Physics</i> , 2017 , 19, 013005	2.9	3
51	Single crystals growth of hexaferrites M-type MTi _x CoxFe _{12-x} O ₁₉ (M = Ba, Sr) by floating zone and investigation of their magnetic and magnetoelectric properties. <i>Low Temperature Physics</i> , 2017 , 43, 971-976	2.7	3
50	Dimer Physics in the Frustrated Cairo Pentagonal Antiferromagnet Bi ₂ Fe ₄ O ₉ . <i>Physical Review Letters</i> , 2020 , 124, 127202	7.4	3

49	Study of crystal-field excitations and infrared active phonons in TbMnO. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 175602	1.8	3
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