

Alexander Mukhin

List of Publications by Year in descending order

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200
papers

5,319
citations

109321

35
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66
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206
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206
docs citations

206
times ranked

4323
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#	ARTICLE	IF	CITATIONS
1	Possible evidence for electromagnons in multiferroic manganites. <i>Nature Physics</i> , 2006, 2, 97-100.	16.7	489
2	Structural, magnetic, and electrical properties of single-crystalline $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ($0.4 < x < 0.85$). <i>Physical Review B</i> , 2002, 66, .	3.2	259
3	Spin-phonon coupling in orthorhombic RMnO_3 ($R=\text{Pr}, \text{Nd}, \text{Sm}, \text{Eu}, \text{Gd}, \text{Tb}, \text{Dy}, \text{Ho}, \text{Y}$): A Raman study. <i>Physical Review B</i> , 2006, 73, .	3.2	198
4	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, .	3.2	175
5	Multiferroic phases of $\text{Eu}_{1-x}\text{Y}_x\text{MnO}_3$. <i>Physical Review B</i> , 2007, 75, .	3.2	174
6	ESR study in lightly doped $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. <i>Physical Review B</i> , 2000, 61, 6213-6219.	3.2	169
7	Terahertz BWO-Spectroscopy. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2005, 26, 1217-1240.	0.6	152
8	Magnetoelectric and magnetoelastic properties of rare-earth ferrobates. <i>Low Temperature Physics</i> , 2010, 36, 511-521.	0.6	144
9	On the room temperature multiferroic BiFeO_3 : magnetic, dielectric and thermal properties. <i>European Physical Journal B</i> , 2010, 75, 451-460.	1.5	131
10	Coupling of phonons and electromagnons in GdMnO_3 . <i>Physical Review B</i> , 2006, 74, .	3.2	101
11	Charge carrier localization in investigated by ac conductivity measurements. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 3273-3290.	1.8	94
12	Frequency-domain magnetic resonance spectroscopy of molecular magnetic materials. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 3837-3843.	2.8	92
13	Magnetic properties and specific heat of RMnO_3 ($R=\text{Pr}, \text{Nd}$). <i>Physical Review B</i> , 2004, 69, .	3.2	90
14	Submillimeter spectroscopy of Mn^{12} -Ac magnetic clusters. <i>Europhysics Letters</i> , 1998, 44, 778-782.	2.0	87
15	Magnetic properties and the phase diagram of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ for $x \approx 1/2$. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 3993-4011.	1.8	83
16	Optical spectroscopy of crystal-field transitions in the molecular magnet Fe_8 . <i>Physical Review B</i> , 2001, 63, .	3.2	70
17	Magnetoelectric interactions and phase transitions in a new class of multiferroics with improper electric polarization. <i>JETP Letters</i> , 2008, 88, 505-510.	1.4	69
18	Electromagnons in multiferroic manganites. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 434209.	1.8	69

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19	Relaxations as Key to the Magnetocapacitive Effects in the Perovskite Manganites. Physical Review Letters, 2009, 102, 207208.	7.8	69
20	Magnetic and Magnetoelectric Excitations in $TbMnO_3$. Physical Review Letters, 2009, 102, 107203.	7.8	66
21	Colossal magnetodielectric effect in $SmFe_3(BO_3)_4$ multiferroic. JETP Letters, 2011, 93, 275-281.	1.4	60
22	Terahertz spectroscopy of electromagnons in $YMnO_3$. Physical Review Letters, 2009, 102, 107203.	3.2	57
23	Submillimeter backward-wave oscillator spectroscopy of the rare-earth orthoferrites. IEEE Transactions on Magnetics, 1993, 29, 3443-3445.	2.1	55
24	Magnetic, electronic, dielectric and optical properties of $Pr(Ca:Sr)MnO_3$. European Physical Journal B, 2001, 20, 7-17.	1.5	51
25	Crystal field, Dzyaloshinsky-Moriya interaction, and orbital order in $La_{0.95}Sr_{0.05}MnO_3$ probed by ESR. Physical Review B, 2002, 65, .	3.2	51
26	Evidence for Electroactive Excitation of the Spin Cycloid in $TbMnO_3$. Physical Review Letters, 2010, 104, 097202.	7.8	51
27	Phase transitions in $Sm_{1-x}Sr_xMnO_3$ single crystals ($0 \leq x \leq 0.8$). Physica Status Solidi (B): Basic Research, 2003, 236, 445-449.	1.5	50
28	On the magnetocaloric effect in the multiferroic hexagonal $DyMnO_3$ single crystals. Journal of Magnetism and Magnetic Materials, 2015, 374, 252-257.	2.3	50
29	Magnetoelectric effect and phase transitions in CuO in external magnetic fields. Nature Communications, 2016, 7, 10295.	12.8	47
30	Electric Field Control of Terahertz Polarization in a Multiferroic Manganite with Electromagnons. Physical Review Letters, 2013, 111, 227201.	7.8	46
31	Specificity of magnetoelectric effects in a new $GdMnO_3$ magnetic ferroelectric. JETP Letters, 2005, 81, 19-23.	1.4	44
32	The phase diagram and optical properties of $La_{1-x}Sr_xMnO_3$ for $x \approx 0.2$. Journal of Magnetism and Magnetic Materials, 2000, 211, 118-127.	2.3	41
33	Magnetic properties and phase transitions in hexagonal $DyMnO_3$ single crystals. Physics of the Solid State, 2006, 48, 1726-1729.	0.6	41
34	Magnetic and structural transitions in $La_{1-x}Sr_xMnO_3$: T-x phase diagram. JETP Letters, 1998, 68, 356-362.	1.4	38
35	Peculiarities in the magnetic, magnetoelectric, and magnetoelastic properties of $SmFe_3(BO_3)_4$ multiferroic. Journal of Experimental and Theoretical Physics, 2010, 111, 199-203.	0.9	38
36	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. Physical Review B, 2000, 62, 5685-5689.	3.2	36

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37	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> , 1998, 83, 7180-7182.	2.5	35
38	Influence of the ground state of the Pr^{3+} ion on magnetic and magnetoelectric properties of the $\text{PrFe}_3(\text{BO}_3)_4$ multiferroic. <i>JETP Letters</i> , 2008, 87, 39-44.	1.4	35
39	Quantum tunneling and relaxation in Mn^{12} -acetate studied by magnetic spectroscopy. <i>Physical Review B</i> , 2003, 67, .	3.2	34
40	Magnetic anisotropy and magnetoelectric properties of $\text{Tb}_{1-x}\text{Er}_x\text{Fe}_3(\text{BO}_3)_4$ ferroborates. <i>Journal of Experimental and Theoretical Physics</i> , 2009, 109, 68-73.	0.9	34
41	Incommensurate magnetic structures of multiferroic MnWO_4 studied within the superspace formalism. <i>Physical Review B</i> , 2013, 87, .	3.2	34
42	High-field ESR spectroscopy of the spin dynamics in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ($x \sim 0.175$). <i>Physical Review B</i> , 2002, 65, .	3.2	33
43	On the effect of inhomogeneous magnetoelectric (flexomagnetoelectric) interaction on the spectrum and properties of magnons in multiferroics. <i>JETP Letters</i> , 2009, 89, 328-332.	1.4	31
44	Magnetic anisotropy and ground state of the rare-earth ions in PrMnO_3 and NdMnO_3 . <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 1139-1141.	2.3	30
45	Magnetic and magnetoelectric excitations in multiferroic manganites. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 113201.	1.8	30
46	Comment on "Giant anisotropy of magnetocaloric effect in TbMnO_3 single crystals". <i>Physical Review B</i> , 2017, 96, .	3.2	29
47	Itinerant versus localized transport in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ for $x \sim 0.175$. <i>Physical Review B</i> , 1999, 59, 12419-12424.	3.2	28
48	Raman study of the antiferromagnetic phase transitions in hexagonal Y MnO_3 and LuMnO_3 . <i>Journal of Physics Condensed Matter</i> , 2010, 22, 356002.	1.8	28
49	Magnetic and magnetoelectric properties of M-type substitution hexaferrites $\text{TSc}_x\text{Fe}_{12-x}\text{O}_{19}$ ($T = \text{Ba}, \text{Tj}$). <i>ETQq</i> 1.1 0.784314 rgBT 1.4 28	1.4	28
50	Terahertz Faraday effect in single molecule magnets. <i>Physical Review B</i> , 2005, 72, .	3.2	27
51	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.	2.0	26
52	High-frequency magnetic spectroscopy on the molecular magnetic cluster V15. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 2778-2782.	2.8	26
53	Far-infrared optical excitations in multiferroic TbMnO_3 . <i>European Physical Journal B</i> , 2009, 71, 411-418.	1.5	26
54	Composition-dependent spin-phonon coupling in mixed crystals of the multiferroic manganite $\text{Eu}_{1-x}\text{Sr}_x\text{MnO}_3$. <i>Physical Review B</i> , 2010, 81, .	3.2	26

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55	Study of Raman active phonons in NdMnO ₃ . Journal of Magnetism and Magnetic Materials, 2003, 264, 36-43.	2.3	25
56	New orthorhombic multiferroics R _{1-x} Y _x MnO ₃ (R = Eu, Gd). Physica Status Solidi (B): Basic Research, 2006, 243, 107-111.	1.5	25
57	Giant gigahertz optical activity in multiferroic ferroborate. Physical Review B, 2014, 89, .	3.2	25
58	Switching of Magnons by Electric and Magnetic Fields in Multiferroic Borates. Physical Review Letters, 2018, 120, 027203.	7.8	25
59	Magnetic, dielectric and magnetoelectric properties of new family of orthorhombic multiferroic Eu ^{1-x} Y ^x MnO ₃ manganites. Journal of Magnetism and Magnetic Materials, 2006, 300, e130-e133.	2.3	24
60	High-temperature magnetoelectricity of terbium aluminum borate: The role of excited states of the rare-earth ion. Physical Review B, 2014, 89, .	3.2	24
61	Infrared study of the crystal-field excitations in NdMnO ₃ in high magnetic fields. Physical Review B, 2005, 71, .	3.2	23
62	Antiferromagnetic Ordering of the 3d Ions in Compounds with Ca ₃ <sub>3</sub>/sub>Ga ₂ <sub>2</sub>/sub>Ge ₄ <sub>4</sub>/sub>O ₁₄ <sub>14</sub>/sub>. Structure. Solid State Phenomena, 0, 152-153, 299-302.	0.3	23
63	Magnetic susceptibility, phonons and dielectric constant of single crystalline BiFeO ₃ . Journal of Physics: Conference Series, 2010, 200, 012106.	0.4	23
64	Effects of the interaction between R and Fe modes of the magnetic resonance in RFe ₃ (BO ₃) ₄ rare-earth iron borates. JETP Letters, 2011, 94, 294-300.	1.4	23
65	Raman study of orbital mediated multiphonons in RMnO ₃ (R = Pr, Sm, Eu, Tb, Y). European Physical Journal B, 2006, 54, 67-72.	1.5	22
66	High-frequency conductivity and phonon properties of La _{7/8} Sr _{1/8} MnO ₃ . Physical Review B, 2000, 62, 15673-15679.	3.2	21
67	Phase Tâ€x diagram of Sm ^{1-x} Sr _x MnO ₃ single crystals (0âˆ¼1/2xâˆ¼1/20.8). Journal of Magnetism and Magnetic Materials, 2003, 258-259, 535-538.	2.3	21
68	Optical cryostat with sample rotating unit for polarization-sensitive terahertz and infrared spectroscopy. Optical Engineering, 2019, 59, 1.	1.0	21
69	Crystal Field and Metamagnetic Behavior of Rareâ€Earth Orthoaluminates: DyAlO ₃ . Physica Status Solidi (B): Basic Research, 1990, 159, 845-850.	1.5	20
70	Field-induced spin reorientations in TbFeO ₃ at 4.2 K. Journal of Magnetism and Magnetic Materials, 1996, 152, 75-85.	2.3	20
71	Observation of spontaneous spin reorientation in Nd ^{1-x} Dy ^x Fe ₃ (BO ₃) ₄ ferroborates with a competitive R-Fe exchange. JETP Letters, 2009, 89, 345-351.	1.4	20
72	Conical antiferromagnetic order in the ferroelectric phase of Mn _{0.8} Co _{0.2} WO ₄ . Physical Review B, 2014, 89, 014407.	3.2	20

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73	diffraction, magnetic, and magnetoelectric studies of phase transitions in multiferroic Mn _{0.90} Co _{0.10} WO ₄ . <i>Journal of Experimental and Theoretical Physics</i> , 2012, 114, 810-817.	3.2	20
74	Switching of spontaneous electric polarization in the DyMnO ₃ multiferroic. <i>JETP Letters</i> , 2007, 85, 503-506.	1.4	19
75	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.	2.3	18
76	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.	0.9	18
77	SUBMILLIMETER SPECTROSCOPY OF ANTIFERROMAGNETIC DIELECTRICS: RARE-EARTH ORTHOFERRITES. , 1995, , 56-98.		17
78	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	17
79	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.	0.9	17
80	Large directional optical anisotropy in multiferroic ferroborate. <i>Physical Review B</i> , 2015, 92, .	3.2	17
81	A comparative Raman study between PrMnO ₃ , NdMnO ₃ , TbMnO ₃ and DyMnO ₃ . <i>Scientific Reports</i> , 2017, 7, 13796.	3.3	17
82	Specific features of the magnetic field-induced orientational transition in EuMnO ₃ . <i>JETP Letters</i> , 2005, 81, 590-593.	1.4	16
83	X phase of Mn ₄ WO ₄ . <i>Physical Review B</i> , 2014, 90, .	3.2	15
84	Unusual magnetoelectric effect in paramagnetic rare-earth langasite. <i>Npj Quantum Materials</i> , 2020, 5, .	5.2	15
85	Asymmetric lineshape due to inhomogeneous broadening of the crystal-field transitions in Mn ₁₂ acetate single crystals. <i>Physical Review B</i> , 2004, 69, .	3.2	14
86	Soft-mode behavior of electromagnons in multiferroic manganite. <i>Physical Review B</i> , 2010, 82, .	3.2	14
87	Dynamic magnetoelectric phenomena with electromagnons in rare-earth borate multiferroics. <i>Physics-Uspexhi</i> , 2015, 58, 993-1001.	2.2	14
88	Magnetic and magnetoelectric properties of substituted M-type SrSc _x Fe _{12-x} O ₁₉ hexaferrites. <i>Journal of Experimental and Theoretical Physics</i> , 2017, 124, 604-611.	0.9	14
89	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.	2.1	13
90	Antiferromagnetic resonances and magnetization of a canted antiferromagnet. <i>Journal of Magnetic Resonance</i> , 2004, 170, 8-14.	2.1	13

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91	Frequency-domain magnetic-resonance spectroscopic investigations of the magnetization dynamics in MnCr_2O_4 crystals. Physical Review B, 2009, 79, .	3.2	13
92	Study of crystal-field excitations and Raman active phonons in o-DyMnO ₃ . Journal of Magnetism and Magnetic Materials, 2011, 323, 1104-1108.	2.3	13
93	Electric and magnetic properties of titanium-cobalt-oxide single crystals produced by floating zone melting with light heating. Low Temperature Physics, 2017, 43, 965-970.	0.6	13
94	Scaling of terahertz conductivity at the metal-insulator transition in doped manganites. Physical Review B, 2006, 73, .	3.2	12
95	Terahertz spectroscopy and the magnetoelectric properties of manganite-based multiferroics. Physics-Uspokhi, 2009, 52, 851-856.	2.2	12
96	Lattice dynamics and spin-phonon coupling in orthorhombic EuMn_2O_7 . Physical Review B, 2016, 93, .	1.4	12
97	Effect of magnetic vacancies on magnetic properties of terbium orthoferrites. Physica Status Solidi A, 1984, 84, 215-222.	1.7	11
98	Spin-wave dynamics and exchange interactions in multiferroic $\text{NdFe}_3(\text{BO}_3)_4$ explored by inelastic neutron scattering. Journal of Magnetism and Magnetic Materials, 2018, 451, 443-449.	2.3	11
99	Phase Transitions and Spin Relaxation in $\text{La}_{0.95}\text{Sr}_{0.05}\text{MnO}_3$. Modern Physics Letters B, 2003, 17, 459-467.	1.9	10
100	Spin-phonon coupling in multiferroic manganites RMnO_3 : comparison of pure (R = Eu, Gd, Tb) and substituted (R = $\text{Eu}_{1-x}\text{Y}_x$) compounds. European Physical Journal B, 2010, 78, 367-372.	1.5	10
101	Magnetic and ferroelectric properties of exchange-frustrated multiferroics $(\text{Ni}_{1-x}\text{Tm}_x)_3\text{V}_2\text{O}_8$ (T = Tj, ET, Qq). Over	1.4	10
102	Orthorhombic distortion of Rb_2MnCl_4 in its antiferromagnetic phase. Journal of Physics Condensed Matter, 1992, 4, 2281-2295.	1.8	9
103	Raman and infrared quest for orbitons in $\text{Nd}_{1-x}\text{Sr}_x\text{MnO}_3$. Physica B: Condensed Matter, 2006, 381, 214-218.	2.7	9
104	Lattice dynamics of $\text{Eu}_{1-x}\text{Y}_x\text{MnO}_3$ (0 ≤ x ≤ 0.5). European Physical Journal B, 2010, 73, 353-360.	1.5	9
105	Neutron powder diffraction and single crystal X-ray magnetic resonant and non-resonant scattering studies of the doped multiferroic $\text{Tb}(\text{Bi})\text{MnO}_3$. European Physical Journal B, 2012, 85, 1.	1.5	9
106	Stabilization of multiferroic spin cycloid in $\text{Ni}_3\text{V}_2\text{O}_8$. Physical Review B, 2015, 91, .	3.2	9
107	Order-disorder type critical behavior at the magnetoelectric phase transition in multiferroic DyMnO_3 . Physical Review B, 2015, 91, .	3.2	9
108	Dimer Physics in the Frustrated Cairo Pentagonal Antiferromagnet BiMnO_3 . Physical Review Letters, 2020, 124, 127202.	1.82	9

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109	Behavior of sound velocities in the compounds $\text{La}^{1-x}\text{Sr}_x\text{MnO}_3$ near magnetic and structural phase transitions. JETP Letters, 1998, 68, 153-159.	1.4	8
110	Electron transitions in magnetic clusters $\text{Mn}_{12}\text{-Ac}$ at submillimeter wavelengths. Physica B: Condensed Matter, 2000, 284-288, 1221-1222.	2.7	8
111	Thermal-expansion and magnetostriction anomalies in phase transitions in $\text{La}^{1-x}\text{Sr}_x\text{MnO}_3$. Physics of the Solid State, 2000, 42, 1110-1115.	0.6	8
112	Observation of electric polarization in $\text{Gd}^{1-x}\text{Sr}_x\text{MnO}_3$ ($x = 0.5, 0.6, 0.7$) single crystals. JETP Letters, 2005, 82, 590-593.	1.4	8
113	High-frequency electromagnon in GdMnO_3 . European Physical Journal B, 2011, 80, 351-354.	1.5	8
114	Lattice anomalies at the ferroelectric and magnetic transitions in cycloidal $\text{Mn}_{0.95}\text{Co}_{0.05}\text{WO}_3$. Physical Review B, 2017, 96, .	3.2	8
115	Magnetic field induced phase transitions and phase diagrams of multiferroic $\text{Mn}_{0.85}\text{Mn}_{0.15}\text{Co}_{0.23}\text{Mn}_{0.95}\text{O}_3$ with cycloidal spin structure. Physical Review B, 2017, 96, .	3.2	8
116	Study of crystal-field excitations and infrared active phonons in TbMnO_3 . Journal of Physics Condensed Matter, 2018, 30, 175602.	1.8	8
118	Sign change of polarization rotation under time or space inversion in magnetoelectric $\text{YbAl}_{0.23}\text{Mn}_{0.95}\text{O}_3$. Physical Review B, 2019, 99, .	3.2	8
119	The nature of magnetoelastic anomalies in $\text{Nd}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ upon suppression of charge ordering by a magnetic field. Physics of the Solid State, 2003, 45, 1280-1283.	0.6	7
120	Nd^{3+} crystal-field study of weakly doped $\text{Nd}^{1-x}\text{Ca}_x\text{MnO}_3$. Journal of Magnetism and Magnetic Materials, 2009, 321, 3607-3610.	2.3	7
121	Magnetic and dielectric properties of orthorhombic and hexagonal multiferroics $\text{Tb}^{1-x}\text{Y}_x\text{MnO}_3$. JETP Letters, 2010, 91, 392-397.	1.4	7
122	Spontaneous reorientation of the electric polarization in $\text{Eu}^{1-x}\text{Ho}_x\text{MnO}_3$ multiferroics. JETP Letters, 2013, 97, 28-33.	1.4	7
123	Study of crystal-field excitations and infrared active phonons in the multiferroic hexagonal DyMnO_3 . Journal of Physics Condensed Matter, 2013, 25, 475403.	1.8	7
124	Terahertz spectroscopy of crystal-field transitions in magnetoelectric $\text{TiMn}_{0.23}\text{Mn}_{0.95}\text{O}_3$. Physical Review B, 2016, 94, .	3.2	7
125	Single-crystal neutron diffraction study of hexagonal multiferroic YbMnO_3 under a magnetic field. Physical Review B, 2018, 98, .	3.2	7
126	Floating zone crystal growth and magnetic properties of M-type Co-substituted strontium hexaferrites. Journal of Crystal Growth, 2019, 524, 125158.	1.5	7

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127	Cytotropic properties of antiferromagnets near AFMR.: Journal of Magnetism and Magnetic Materials, 1998, 183, 157-159.	2.3	6
128	Frequency-dependent conductivity of UPd2Al3 films. Physica B: Condensed Matter, 1998, 244, 125-132.	2.7	6
129	Magnetic and submillimeter spectroscopy study of phase transitions in $\text{La}^{1-x}\text{Sr}_x\text{MnO}_3$ perovskites: $T\text{--}x$ phase diagram. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 501-503.	2.3	6
130	Frequency-domain magnetic resonance spectroscopy. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E765-E767.	2.3	6
131	Resonant micro-Raman study of $\text{Nd}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$. Journal of Physics Condensed Matter, 2005, 17, 5247-5254.	1.8	6
132	Micro-Raman study and phase transitions of $\text{Nd}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$. Journal of Physics Condensed Matter, 2006, 18, 1667-1676.	1.8	6
133	Phase transitions and spin excitations in new multiferroics with modulated magnetic structure. Bulletin of the Russian Academy of Sciences: Physics, 2007, 71, 1617-1619.	0.6	6
134	Infrared study of SmMnO_3 crystal field excitations. Journal of Applied Physics, 2009, 105, 07E113.	2.5	6
135	Field effects with $\text{H}\hat{=}^{\text{b}}$ on the incommensurate magnetic structures of multiferroic MnWO_4 studied within the superspace formalism. Physical Review B, 2015, 91, .	3.2	6
136	Magnetoelectric effect in ytterbium aluminum borate $\text{YbAl}_3(\text{BO}_3)_4$. JETP Letters, 2017, 105, 435-441.	1.4	6
137	Proof of the elusive high-temperature incommensurate phase in CuO by spherical neutron polarimetry. Science Advances, 2020, 6, eaay7661.	10.3	6
138	X-ray Natural Circular Dichroism Imaging of Multiferroic Crystals. Crystals, 2021, 11, 531.	2.2	6
139	Magnetic excitations and exchange interactions in the substituted multiferroics $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \langle / \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{Nd} \langle / \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle / \text{mml:mo} \rangle$ revealed by inelastic neutron scatte. Physical Review B, 2021, 103, .	2.2	6
140	AFMR and magnetic anisotropy in $\text{Y}_1\text{-Lu}$ FeO_3 orthoferrites. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 2141-2142.	2.3	5
141	Infrared study in high magnetic fields of the crystal-field excitations in PrMnO_3 . Journal of Magnetism and Magnetic Materials, 2007, 311, 583-588.	2.3	5
142	Quasi-optical study of antiferromagnetic resonance in YFeO_3 at submillimeter wavelength under high pulsed magnetic fields. Journal of Magnetic Resonance, 2008, 195, 60-66.	2.1	5
143	Magnetoelectric phenomena in manganites $\text{R}_{0.6}\text{Ca}_{0.4}\text{MnO}_3$ ($\text{R} = \text{Pr}, \text{Nd}$) with charge ordering suppressed by a magnetic field. Journal of Experimental and Theoretical Physics, 2008, 106, 130-134.	0.9	5
144	Magnetic and micro-Raman studies of hexagonal- DyMnO_3 . Journal of Physics Condensed Matter, 2013, 25, 066003.	1.8	5

#	ARTICLE	IF	CITATIONS
145	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	5
146	New mechanism of the spin-reorientation phase transition in neodymium orthochromite. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 140-144, 2157-2158.	2.3	4
147	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.	2.7	4
148	Submillimeter and infrared spectroscopy on La _{0.85} Sr _{0.15} MnO ₃ . <i>European Physical Journal B</i> , 2000, 16, 245-250.	1.5	4
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