

Marina N Popova

List of Publications by Year in descending order

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172
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172
docs citations

172
times ranked

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#	ARTICLE	IF	CITATIONS
19	High-resolution spectroscopy of rare-earth ferrobates with a huntite structure. Low Temperature Physics, 2019, 45, 1000-1007.	0.2	0
20	Deformation Broadening and the Fine Structure of Spectral Lines in Optical Spectra of Dielectric Crystals Containing Rare-Earth Ions. Physics of the Solid State, 2019, 61, 795-801.	0.2	6
21	Spectroscopic Study of the Hyperfine Structure of Levels of Impurity Ho ³⁺ Ions in Synthetic Forsterite. JETP Letters, 2019, 109, 352-357.	0.4	2
22	New effects of the electron-phonon interaction in dielectrics (50th anniversary of the Institute of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	2
23	Phonon anomaly in Sm ₂ BaNiO ₅ . Journal of Physics: Conference Series, 2019, 1389, 012039.	0.3	1
24	Direct observation of hyperfine level anticrossings in the optical spectra of a LiYF_4 single crystal. Physical Review B, 2019, 99, .	1.1	10
25	La ₃ CrGe ₃ Be ₂ O ₁₄ and Nd ₃ CrGe ₃ Be ₂ O ₁₄ : New magnetic compounds of the langasite family. Journal of Alloys and Compounds, 2019, 779, 380-386.	2.8	6
26	High-resolution optical and EPR spectroscopy in solid-state research. Magnetic Resonance in Solids, 2019, 21, .	0.2	0
27	Professor Boris Zalmanovich Malkin. Magnetic Resonance in Solids, 2019, 21, .	0.2	0
28	Bright luminescence of diamonds with Ge-V centers. Journal of Luminescence, 2018, 193, 119-124.	1.5	26
29	Coexistence of the magnetically ordered and Haldane states in (Y _{1-x} Nd _x) ₂ BaNiO ₅ . EPJ Web of Conferences, 2018, 185, 03003.	0.1	0
30	High-resolution spectra of LiYF ₄ :Ho ³⁺ in a magnetic field. Optical Materials, 2017, 63, 101-104.	1.7	3
31	Phase transitions and exchange interactions in the SmCr ₃ (BO ₃) ₄ crystal. EPJ Web of Conferences, 2017, 132, 02008.	0.1	2
32	Optical spectroscopy of random deformations in elastically-anisotropic crystals containing rare-earth ions. EPJ Web of Conferences, 2017, 132, 02016.	0.1	1
33	Electron-phonon interaction in huntite iron borates. Optical Materials, 2017, 74, 101-104.	1.7	0
34	Raman scattering on electronic levels in rare-earth iron borates RFe ₃ (BO ₃) ₄ . EPJ Web of Conferences, 2017, 132, 03021.	0.1	1
35	Spectroscopy of DyF_3 transitions, crystal-field calculations, and magnetic and quadrupole helix chirality in DyF_3		

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37	Deformation splittings in the spectra of LaAlO ₃ : Ho ³⁺ , Pr ³⁺ , Tm ³⁺ +single crystals. EPJ Web of Conferences, 2017, 132, 03004.	0.1	1
38	Spectroscopy of RFe ₃ (BO ₃) ₄ multiferroics: phase transitions, spin-phonon interaction, coupled electron-phonon modes. EPJ Web of Conferences, 2017, 132, 01010.	0.1	0
39	Holmium iron borate: high-resolution spectroscopy and crystal-field parameters. EPJ Web of Conferences, 2017, 132, 03013.	0.1	1
40	High-resolution spectroscopy, crystal-field calculations, and quadrupole helix chirality of DyFe ₃ (BO ₃) ₄ . EPJ Web of Conferences, 2017, 132, 03041.	0.1	0
41	Distribution function of random strains in an elastically anisotropic continuum and defect strengths of T impurity ions in crystals with zircon structure. Physical Review B, 2017, 96, .	1.1	13
42	Bifurcations of Coupled Electron-Phonon Modes in an Antiferromagnet Subjected to a Magnetic Field. Physical Review Letters, 2017, 118, 167203.	2.9	6
43	Towards spontaneous parametric down-conversion at low temperatures. EPJ Web of Conferences, 2017, 161, 02002.	0.1	0
44	Lattice dynamics and electronic transitions in a structurally complex layered copper borate CuMn_3B_6 . Physical Review B, 2017, 96, .	1.1	6
45	Probing Dy ³⁺ magnetic moments in multiferroic perovskite DyMnO ₃ by optical spectroscopy. Physica Status Solidi - Rapid Research Letters, 2016, 10, 462-466.	1.2	3
46	Lattice dynamics and electronic structure of cobalt-titanium spinel Co ₂ TiO ₄ . Physics of the Solid State, 2016, 58, 2516-2522.	0.2	10
47	High-resolution spectroscopy of HoFe ₃ (BO ₃) ₄ crystal: a study of phase transitions. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2016, 120, 558-565.	0.2	18
48	Infrared study of lattice dynamics and spin-phonon and electron-phonon interactions in multiferroic TbF ₃ . Lattice dynamics and a magnetic-structural phase transition in the nickel orthoborate $\text{Ni}_3\text{B}_4\text{O}_{13}$. Physical Review B, 2016, 94, .	1.1	24
49	Evidence for a collinear easy-plane magnetic structure of multiferroic EuF_3 . Physical Review B, 2016, 94, .	1.1	14
50	Vibrational spectroscopy of GdCr ₃ (BO ₃) ₄ : quantitative separation of crystalline phases. Journal of Physics: Conference Series, 2016, 737, 012035.	1.1	18
51	The Contribution of the Nickel Subsystem into Magnetic Properties of Quasi One-Dimensional Magnets (Y _{1-x} Nd _x) ₂ BaNiO ₅ . Journal of Low Temperature Physics, 2016, 185, 692-700.	0.3	6
52	Multifunctional RFe ₃ (BO ₃) ₄ Materials: Quality Control. EPJ Web of Conferences, 2015, 103, 09001.	0.6	0
53	Resolved Hyperfine Structure in the Spectra of Crystals for Optical Quantum Memory. EPJ Web of Conferences, 2015, 103, 01011.	0.1	0

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55	Germaniumâ€‘vacancy color center in isotopically enriched diamonds synthesized at high pressures. JETP Letters, 2015, 102, 701-706.	0.4	92
56	Investigations of hyperfine and isotope structures in optical spectra of crystals with rare-earth ions. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2015, 119, 544-550.	0.2	3
57	Antiferromagnetic Dichroism in a Complex Multisublattice Magnetoelectric $\text{CuB}_{2}\text{O}_{4}$ Physical Review Letters, 2015, 114, 247210.	2.1	20
58	Ho ³⁺ crystal-field levels, magnetic ordering, and magnetoelastic coupling in the chain nickelate Ho ₂ BaNiO ₅ . Journal of Alloys and Compounds, 2015, 625, 193-199.	2.8	14
59	Spectral signatures of spinâ€‘phonon and electronâ€‘phonon interactions in multiferroic iron borates. Journal of Magnetism and Magnetic Materials, 2015, 383, 250-254.	1.0	14
60	Random strain effects in optical and EPR spectra of electron-nuclear excitations in CaWO ₄ :Ho ³⁺ single crystals. Physical Chemistry Chemical Physics, 2014, 16, 24727-24738.	1.3	14
61	High-resolution Fourier spectroscopy as a tool for studying quality of rare-earth-doped crystals. Journal of Rare Earths, 2014, 32, 230-235.	2.5	2
62	Cooperative processes in Cs ₂ NaYbF ₆ elpasolite crystals. Journal of Luminescence, 2014, 153, 125-129.	1.5	3
63	Crystal field and exchange interactions in the SmFe ₃ (BO ₃) ₄ multiferroic. Journal of Experimental and Theoretical Physics, 2014, 118, 111-123.	0.2	14
64	Coupling between phonon and crystal-field excitations in multiferroic $\text{PrFe}_{3}\text{O}_{7}$ Physical Review B, 2014, 90, .	1.1	20
65	Spectroscopic manifestations of random lattice deformations in rare-earth doped crystals. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2014, 116, 655-660.	0.2	0
66	Behavior of the magnetic subsystems in Nd ₂ BaNiO ₅ . Journal of Experimental and Theoretical Physics, 2014, 118, 611-620.	0.2	3
67	Lattice dynamics of piezoelectric copper metaborate $\text{CuB}_{2}\text{O}_{4}$ Physical Review B, 2013, 88, .	1.1	20
68	Materials for optical memory: Resolved hyperfine structure in KY ₃ F ₁₀ :Ho ³⁺ . Optical Materials, 2013, 35, 1842-1845.	1.7	4
69	Magnetic properties of quasi-one-dimensional antiferromagnets (Y _{1-x} Nd _x) ₂ BaNiO ₅ (x=1, 0.15). Journal of Magnetism and Magnetic Materials, 2013, 331, 133-139.	1.0	20
70	Random lattice deformations in rare-earth-doped cubic hexafluoroelpasolites: High-resolution optical spectroscopy and theoretical studies. Physical Review B, 2012, 86, .	1.1	34
71	Phase transitions and crystal-field and exchange interactions in TbFe ₃ (BO ₃) ₄ as seen via optical spectroscopy. Journal of Physics Condensed Matter, 2012, 24, 196002.	0.7	24
72	Terahertz spectroscopy of multiferroic EuFe ₃ (BO ₃) ₄ . Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 2562-2564.	0.9	15

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73	Quality of the rare earth aluminum borate crystals for laser applications, probed by high-resolution spectroscopy of the Yb ³⁺ ion. Optical Materials, 2012, 34, 1885-1889.	1.7	21
74	Hyperfine interactions of Ho ³⁺ in KY ₃ F ₁₀ :Ho ³⁺ single crystal. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 3205-3207.	1.1	19
75	Magnetic structures of the rare-earth chain nickelates BaNiO ₅ as studied by the optical spectroscopy of the Er probe. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 1861-1865.	0.9	16
76	Nonequivalent Yb ³⁺ centres in Y _{1-x} Yb _x Al ₃ (BO ₃) ₄ laser crystals. Quantum Electronics, 2011, 41, 120-124.	0.3	10
77	Spectroscopy of phonon and vibronic states of YbAl ₃ (BO ₃) ₄ single crystal. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2011, 111, 420-425.	0.2	14
78	Manifestations of hyperfine interaction in optical spectra of KY ₃ F ₁₀ :Ho ³⁺ . Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 3205-3207.	0.9	3
79	Parametric representation of traveling waves in periodic media. , 2011, , .		1
80	Calorimetric and spectroscopic study of quasi-one-dimensional Haldane magnets (Y _{1-x} Nd _x) ₂ BaNiO ₅ (x = 1, 0.75, 0.50, 0.25). Journal of Experimental and Theoretical Physics, 2010, 111, 204-208.	0.2	4
81	Investigating the magnetic structure and anisotropic Pr-Fe exchange interaction in a PrFe ₃ (BO ₃) ₄ single crystal by optical spectroscopy. Bulletin of the Russian Academy of Sciences: Physics, 2010, 74, 1455-1458.	0.1	0
82	Spectroscopic study of the magnetic ordering in SmFe ₃ (BO ₃) ₄ . Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 1790-1792.	0.9	29
83	Infrared study of lattice and magnetic dynamics in a spin-chain compound Gd ₂ Fe ₁₅ Si ₅ . Physical Review B, 2010, 81, .	1.1	15
84	High-resolution optical spectroscopy of Tm ³⁺ in LiLuF ₄ . Physical Review B, 2010, 81, .	1.1	31
85	Crystal-field energies, hyperfine and def. Physical Review B, 2010, 81, . Spectroscopy of compounds from the family of rare-earth orthoborates. Journal of Rare Earths, 2009, 27, 607-611.	2.5	11
86	Optical high-resolution spectroscopic study of Tm ³⁺ crystal-field levels in LiLuF ₄ . Journal of Rare Earths, 2009, 27, 624-626.	2.5	8
87	Optical spectroscopy of low-dimensional rare-earth iron borates. Journal of Magnetism and Magnetic Materials, 2009, 321, 716-719.	1.0	30
88	Optical spectroscopy of PrFe ₃ (BO ₃) ₄ . Crystal-field and anisotropic Pr-Fe exchange interactions. Physical Review B, 2009, 80, .	1.1	39
89	Praseodymium-iron Exchange Interaction. Physical Review Letters, 2009, 102, 187403.	2.9	21
90	High-resolution optical study of Ho ³⁺ and Ho ³⁺ pairs in LiY _{1-x} HoxF ₄ crystals. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 2332-2335.	0.9	7

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91	Spectral signatures of hyperfine and isotopic effects and of Tm ³⁺ pairs in LiYF ₄ :Tm. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 3506-3509.	0.9	6
92	High-resolution spectroscopy of YbAl ₃ (BO ₃) ₄ stoichiometric nonlinear laser crystals. Journal of Physics Condensed Matter, 2008, 20, 455210.	0.7	15
93	Lines of Ho ³⁺ -Ho ³⁺ pair centers in optical spectra of LiYF ₄ and LiLuF ₄ crystals. Physics of the Solid State, 2008, 50, 1652-1655.	0.2	2
94	Thermodynamic and optical properties of Nd ₂ Cr ₃ Ti ₂ O ₇ . Optical spectra, crystal-field parameters, and magnetic susceptibility of multiferroic Nd ₂ Cr ₃ Ti ₂ O ₇ . Journal of Physics Condensed Matter, 2008, 20, 455210.	1.1	23
95	Thermodynamic and optical properties of Nd ₂ Fe ₃ Ti ₂ O ₇ . Optical spectra, crystal-field parameters, and magnetic susceptibility of multiferroic Nd ₂ Fe ₃ Ti ₂ O ₇ . Journal of Physics Condensed Matter, 2008, 20, 455210.	1.1	77
96	Isotopic disorder effect in the infrared reflection spectra of 6Li ₇ Li ¹⁹ F ₄ single crystals. Solid State Communications, 2007, 142, 256-260.	0.9	0
97	Investigation of the iron borates DyFe ₃ (BO ₃) ₄ and HoFe ₃ (BO ₃) ₄ by the method of Er ³⁺ spectroscopic probe. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 368, 408-411.	0.9	34
98	Magnetic properties of rare earth iron borates: Spectroscopic investigation by the method of rare earth probe. Bulletin of the Russian Academy of Sciences: Physics, 2007, 71, 1563-1565.	0.1	2
99	Raman scattering from phonons and magnons in RFe ₃ (BO ₃) ₄ . Physical Review B, 2006, 74, .	1.1	118
100	Magnetic ordering of the mixed-spin chain nickelate (Er _{0.25} Gd _{0.75}) ₂ BaNiO ₅ : Spectroscopic study. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 354, 487-491.	0.9	11
101	Different types of magnetic ordering in RFe ₃ (BO ₃) ₄ , R=Gd, Tb, Er, and Y, as studied by the method of Er ³⁺ spectroscopic probe. Journal of Magnetism and Magnetic Materials, 2006, 300, e440-e443.	1.0	31
102	In Memory of Roman Ivanovich Personov (January 4, 1932–January 17, 2002). Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2005, 98, 650.	0.2	0
103	Stark Structure of the Yb ³⁺ Ion Levels in (Yb _x Y _{1-x}) ₂ Ti ₂ O ₇ and the Crystal Field in Rare-Earth Titanates with a Pyrochlore Structure. Physics of the Solid State, 2005, 47, 1425.	0.2	10
104	Stark Structure and Exchange Splittings of Nd ³⁺ Ion Levels in Chain Nickelate Nd ₂ BaNiO ₅ . Physics of the Solid State, 2005, 47, 1497.	0.2	11
105	Crystal Field and Magnetic Ordering in the Haldane-Chain Compound Er ₂ BaNiO ₅ as Studied by Optical Spectroscopy.. ChemInform, 2005, 36, no.	0.1	0
106	High-resolution optical spectroscopy investigation of Nd ₂ BaNiO ₅ and Nd _{0.1} Y _{1.9} BaNiO ₅ and crystal-field parameters for rare-earth linear-chain nickelates. Physical Review B, 2005, 71, .	1.1	36
107	Optical spectroscopy of Yb ₂ Ti ₂ O ₇ and Y ₂ Ti ₂ O ₇ : Yb ³⁺ and crystal-field parameters in rare-earth titanate pyrochlores. Physical Review B, 2004, 70, .	1.1	69
108	Cascade of phase transitions in GdFe ₃ (BO ₃) ₄ . JETP Letters, 2004, 79, 423-426.	0.4	53

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109	Isotope shifts in the spectra of LiLuF ₄ :Ho ³⁺ crystals due to the isotopic disorder in the lithium sublattice. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2004, 97, 50-55.	0.2	3
110	Magnetic ordering of NdFe ₃ (BO ₃) ₄ studied by infrared absorption spectroscopy. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 322, 239-243.	0.9	43
111	Absorption and emission spectra of erbium-doped titania xerogels confined in porous anodic alumina. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 323, 159-163.	0.9	12
112	Hyperfine patterns of infrared absorption lines of Ho ³⁺ -C _{4v} centres in CaF ₂ . Molecular Physics, 2004, 102, 1367-1376.	0.8	18
113	Hyperfine structure in optical spectra of LiYF ₄ -Ho ³⁺ : forbidden transitions. Molecular Physics, 2004, 102, 1315-1318.	0.8	10
114	Crystal field and magnetic ordering in the Haldane-chain compound Er ₂ BaNiO ₅ as studied by optical spectroscopy. Journal of Alloys and Compounds, 2004, 380, 84-88.	2.8	19
115	High-resolution infrared spectroscopy of low-dimensional magnetic oxides. , 2004, , 215-228.		0
116	Structural phase transition in the two-dimensional triangular lattice antiferromagnet RbFe(MoO ₄) ₂ . Physical Review B, 2003, 68, .	1.1	31
117	High-resolution spectral study of Er ³⁺ -crystal-field levels and magnetic ordering in (Er _x Y _{1-x}) ₂ BaNiO ₅ chain compounds. Physical Review B, 2003, 68, .	1.1	26
118	RELAXATION PROCESSES IN RARE EARTH DOPED CRYSTALS AS STUDIED BY HIGH RESOLUTION FOURIER SPECTROSCOPY. , 2003, , .		0
119	Lattice vibrations of $\hat{\epsilon}^2\hat{a}^{\sim}$ NaV ₂ O ₅ in the low-temperature phase: An alternative interpretation to magnetic bound states. Physical Review B, 2002, 65, .	1.1	17
120	Charge ordering and lattice dimerization in $\hat{\epsilon}^2$ -NaV ₂ O ₅ : One or two phase transitions?. Physics of the Solid State, 2002, 44, 1450-1454.	0.2	2
121	Infrared spectroscopy of the Nd ³⁺ ion in Nd ₂ BaCuO ₅ and Nd ₂ BaZnO ₅ . Physics of the Solid State, 2002, 44, 1564-1569.	0.2	2
122	Optical and Crystal-Field Analysis of Nd ³⁺ Ion in Nd ₂ BaCuO ₅ and Nd ₂ BaZnO ₅ . Journal of Solid State Chemistry, 2001, 162, 42-51.	1.4	15
123	High-resolution infrared absorption spectra, crystal-field levels, and relaxation processes in CsCdBr ₃ :Pr ³⁺ . Physical Review B, 2001, 63, .	1.1	28
124	High-resolution Fourier Transform Spectroscopy: Application to Magnetic Insulators. , 2001, , 3786-3789.		4
125	Parametric analysis of the energy level scheme of Ho ³⁺ in HoOCl. Journal of Luminescence, 2000, 87-89, 1052-1055.	1.5	3
126	High-resolution infrared spectroscopy of $\hat{\epsilon}^2$ -NaV ₂ O ₅ . Physica B: Condensed Matter, 2000, 284-288, 1617-1618.	1.3	4

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127	Dielectric anomaly in NaV2O5: evidence for charge ordering. <i>Physica B: Condensed Matter</i> , 2000, 284-288, 1653-1654.	1.3	1
128	Fine structure of spectral lines in LiYF4:Er3+ due to isotopic disorder in the lattice. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 269, 348-350.	0.9	23
129	Experimental and theoretical study of the crystal-field levels and hyperfine and electron-phonon interactions in LiYF4:Er3+. <i>Physical Review B</i> , 2000, 61, 7421-7427.	1.1	74
130	Hyperfine structure in optical spectra of CsCdBr3:Pr3+. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1999, 258, 375-378.	0.9	13
131	Hyperfine structure of infrared transitions in LiYF4:Er3+. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1999, 262, 191-194.	0.9	6
132	Lattice vibrations of $\text{Li}^{2+}\text{-NaV2O5}$. <i>Journal of Experimental and Theoretical Physics</i> , 1999, 88, 1186-1197.	0.2	21
133	High-frequency dielectric and magnetic anomaly at the phase transition in NaV2O5. <i>Physical Review B</i> , 1999, 59, 14546-14551.	1.1	29
134	Magnetic Ordering in the Rare Earth Iron Germanates HoFeGe2O7 and ErFeGe2O7. <i>Chemistry of Materials</i> , 1999, 11, 2520-2526.	3.2	12
135	Comparative study of the optical spectra of Er3+ in Er2BaCuO5 and Er2BaZnO5. <i>Journal of Alloys and Compounds</i> , 1999, 284, 138-144.	2.8	9
136	High-resolution spectroscopy of rare earth cuprates and nickelates. <i>Journal of Alloys and Compounds</i> , 1998, 275-277, 142-147.	2.8	25
137	Folded modes in the infrared spectra of the spin-Peierls phase of CuGeO3. <i>Physical Review B</i> , 1998, 57, 5040-5043.	1.1	20
138	Raman, Infrared and Optical Spectra of the Spin-Peierls Compound NaV2O5. <i>Journal of the Physical Society of Japan</i> , 1997, 66, 4042-4046.	0.7	63
139	Anisotropy of the magnetic properties of the cuprates Dy2BaCuO5 and Ho2BaCuO5: Magnetic and spectroscopic investigations. <i>Journal of Experimental and Theoretical Physics</i> , 1997, 84, 175-182.	0.2	10
140	Appearance of new lines and change in line shape in the IR spectrum of a NaV2O5 single crystal at a spin-Peierls transition. <i>JETP Letters</i> , 1997, 65, 743-748.	0.4	20
141	Magnetic phase transitions and magnetic structures of In2Cu2O5 and Sc2Cu2O5. <i>Solid State Communications</i> , 1997, 102, 71-75.	0.9	17
142	High-Resolution FTS Study of Isotope Effects in LiLuF4:Ho3+, 1997, , 579-580.		0
143	High-Resolution Fourier-Transform Spectroscopy in Solid State Physics., 1997, , 9-13.		0
144	Spectroscopic detection of the magnetic phase transition in BaPrO3. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 211, 242-246.	0.9	13

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145	Spectroscopic detection of the magnetic phase transition in BaPrO ₃ (Physics Letters A 211 (1996) 242). Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 215, 331.	0.9	0
146	Crystal field and spectrum of Pr ⁴⁺ in BaPrO ₃ . Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 223, 308-312.	0.9	24
147	Rare-earth spectroscopic probe in physics of magnetics. , 1996, 2706, 182.		6
148	Two magnetic transitions in Gd ₂ BaNiO ₅ . Complex nature of the low-temperature transition. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 203, 412-416.	0.9	11
149	New possibilities offered by high resolution Fourier transform spectroscopy in studying magnetic phase transitions. Journal of Applied Physics, 1994, 76, 7105-7107.	1.1	5
150	Magnetic phase transitions in the chain nickelates R ₂ BaNiO ₅ (R = Sm, Eu, Tm) by optical spectroscopy. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 189, 109-113.	0.9	18
151	Low dimensional magnetism in R ₂ Cu ₂ O ₅ compounds. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 189, 103-108.	0.9	9
152	Study of isotopic composition in crystals by high-resolution spectroscopy of monoisotope impurity. , 1994, , .		0
153	Spectral and magnetic studies of nickelates Lu ₂ BaNiO ₅ and Yb ₂ BaNiO ₅ . Solid State Communications, 1993, 85, 743-748.	0.9	6
154	<title>FTS study of magnetic transitions in cuprates R ₂ Cu ₂ O ₅ and R ₂ BaCuO ₅ </title>. , 1992, , .		1
155	Spectral studies of magnetic ordering in the cuprates R ₂ BaCuO ₅ (R=Sm, Eu, Tm, Yb, Lu). Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 169, 301-307.	0.9	25
156	Isotope structure in optical spectra of LiYF ₄ :Ho ³⁺ . Physical Review Letters, 1991, 66, 477-480.	2.9	72
157	Spectral studies of magnetic cuprates R ₂ Cu ₂ O ₅ (R = Tb, Er, Tm, Lu, Y). Solid State Communications, 1991, 79, 569-572.	0.9	12
158	Magnetic phase transition and short range order in Nd ₂ BaCuO ₅ . Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 157, 306-308.	0.9	23
159	Spectral studies of magnetic cuprates R ₂ Cu ₂ O ₅ (R=Yb, Ho, Dy). Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 159, 187-192.	0.9	11
160	Magnetic and spectral studies of Er ₂ BaNiO ₅ and other rare earth nickelates. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 157, 81-84.	0.9	45
161	Optical spectra of high T _c superconductor Er _{1-x} Ba _x Cu _{1-y} O in the region of 4I152 [~] 4I132 transition in Er ³⁺ ion. Solid State Communications, 1989, 69, 385-386.	0.9	1
162	Spectral Detection Of Magnetic Ordering: Diffuse Reflectance Of (Y _{1-x} Er _x) ₂ BaCuO ₅ . , 1989, , .		2

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163	Magnetic ordering in Y ₂ BaCuO ₅ . Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 133, 260-262.	0.9	6
164	Oscillator strengths of 4f ¹⁴ transitions in Y ₃ Al ₅ O ₁₂ -Er ³⁺ . Optics Communications, 1988, 65, 351-354.	1.0	10
165	Two-photon absorption and energy band structure of orthorhombic Hg ₂ Cl ₂ crystals. European Physical Journal D, 1987, 37, 1183-1197.	0.4	6
166	New High Resolution Infrared Fourier Transform Spectrometer And The First Results In Atomic, Molecular And Crystal Spectroscopy. , 1985, , .		1
167	Hyperfine structure in optical spectra of LiYF ₄ -Ho. Solid State Communications, 1985, 55, 1097-1100.	0.9	55
168	Neodymium Luminescence in the Ternary Semiconducting Chalcogenides TlGaS ₂ and TlGaSe ₂ . Physica Status Solidi (B): Basic Research, 1984, 124, K69.	0.7	1
169	Polarization dependence of indirect two-photon transitions in AgCl. Physica Status Solidi (B): Basic Research, 1975, 69, 93-103.	0.7	4