

Marina N Popova

List of Publications by Year in descending order

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169
papers

2,292
citations

236833

25
h-index

302012

39
g-index

172
all docs

172
docs citations

172
times ranked

1323
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman scattering from phonons and magnons in $\text{RFe}_3(\text{BO}_3)_4$. Physical Review B, 2006, 74, .	1.1	118
2	Germaniumâ€“vacancy color center in isotopically enriched diamonds synthesized at high pressures. JETP Letters, 2015, 102, 701-706.	0.4	92
3	Optical spectra, crystal-field parameters, and magnetic susceptibility of multiferroic $\text{NdFe}_3(\text{BO}_3)_4$. Physical Review B, 2006, 74, .	1.1	77
4	Experimental and theoretical study of the crystal-field levels and hyperfine and electron-phonon interactions in $\text{LiYF}_4:\text{Er}^{3+}$. Physical Review B, 2000, 61, 7421-7427.	1.1	74
5	Isotope structure in optical spectra of $\text{LiYF}_4:\text{Ho}^{3+}$. Physical Review Letters, 1991, 66, 477-480.	2.9	72
6	Optical spectroscopy of $\text{Yb}_2\text{Ti}_2\text{O}_7$ and $\text{Y}_2\text{Ti}_2\text{O}_7:\text{Yb}^{3+}$ and crystal-field parameters in rare-earth titanate pyrochlores. Physical Review B, 2004, 70, .	1.1	69
7	Raman, Infrared and Optical Spectra of the Spin-Peierls Compound NaV_2O_5 . Journal of the Physical Society of Japan, 1997, 66, 4042-4046.	0.7	63
8	Hyperfine structure in optical spectra of $\text{LiYF}_4:\text{Ho}$. Solid State Communications, 1985, 55, 1097-1100.	0.9	55
9	Cascade of phase transitions in $\text{GdFe}_3(\text{BO}_3)_4$. JETP Letters, 2004, 79, 423-426.	0.4	53
10	Magnetic and spectral studies of $\text{Er}_2\text{BaNiO}_5$ and other rare earth nickelates. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 157, 81-84.	0.9	45
11	Magnetic ordering of $\text{NdFe}_3(\text{BO}_3)_4$ studied by infrared absorption spectroscopy. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 322, 239-243.	0.9	43
12	Optical spectroscopy of $\text{PrFe}_3(\text{BO}_3)_4$. Crystal-field and anisotropic Pr-Fe exchange interactions. Physical Review B, 2009, 80, .	1.1	39
13	High-resolution optical spectroscopy investigation of $\text{Nd}_2\text{BaNiO}_5$ and $\text{Nd}_{0.1}\text{Y}_{1.9}\text{BaNiO}_5$ and crystal-field parameters for rare-earth linear-chain nickelates. Physical Review B, 2005, 71, .	1.1	36
14	Investigation of the iron borates $\text{DyFe}_3(\text{BO}_3)_4$ and $\text{HoFe}_3(\text{BO}_3)_4$ 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
15	Random lattice deformations in rare-earth-doped cubic hexafluoroelpasolites: High-resolution optical spectroscopy and theoretical studies. Physical Review B, 2012, 86, .	1.1	34
16	Structural phase transition in the two-dimensional triangular lattice antiferromagnet $\text{RbFe}(\text{MoO}_4)_2$. Physical Review B, 2003, 68, .	1.1	31
17	Different types of magnetic ordering in $\text{RFe}_3(\text{BO}_3)_4$, $\text{R}=\text{Gd}$, 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
18	High-resolution optical spectroscopy of $\text{TmFe}_3(\text{BO}_3)_4$. Crystal-field energies, hyperfine and def. Physical Review B, 2010, 81, .	1.1	31

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19	Optical spectroscopy of low-dimensional rare-earth iron borates. Journal of Magnetism and Magnetic Materials, 2009, 321, 716-719.	1.0	30
20	High-frequency dielectric and magnetic anomaly at the phase transition in NaV ₂ O ₅ . Physical Review B, 1999, 59, 14546-14551.	1.1	29
21	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
22	High-resolution infrared absorption spectra, crystal-field levels, and relaxation processes in CsCdBr ₃ :Pr ³⁺ . Physical Review B, 2001, 63, .	1.1	28
23	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
24	Bright luminescence of diamonds with Ge-V centers. Journal of Luminescence, 2018, 193, 119-124.	1.5	26
25	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
26	High-resolution spectroscopy of rare earth cuprates and nickelates. Journal of Alloys and Compounds, 1998, 275-277, 142-147.	2.8	25
27	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
28	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
29	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. Phase transitions and crystal-field and exchange interactions in TbFe₃(BO₃)₄ as seen via optical spectroscopy. Journal of Physics Condensed Matter, 2012, 24, 196002. multiferroic $\langle \mathbf{m} \rangle$ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" $\langle \mathbf{m} \rangle$ mathvariant="normal" $\langle \mathbf{m} \rangle$ mathvariant="normal" $\langle \mathbf{m} \rangle$	1.1	24
30	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
31	Fine structure of spectral lines in LiYF ₄ :Er ³⁺ due to isotopic disorder in the lattice. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 269, 348-350.	0.9	23
32	Thermodynamic and optical properties of Nd ₂ Cr ₃ BO ₇ . Thermodynamic and optical properties of Nd₂Cr₃BO₇. Physical Review Letters, 2015, 114, 247210. xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" $\langle \mathbf{m} \rangle$ mathvariant="normal" $\langle \mathbf{m} \rangle$ mathvariant="normal" $\langle \mathbf{m} \rangle$	1.1	23
33	Antiferromagnetic Dichroism in a Complex Multisublattice Magnetoelectric $\langle \mathbf{m} \rangle$ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" $\langle \mathbf{m} \rangle$ mathvariant="normal" $\langle \mathbf{m} \rangle$ mathvariant="normal" $\langle \mathbf{m} \rangle$	1.1	23
34	Lattice vibrations of $\hat{\epsilon}$ -NaV ₂ O ₅ . Journal of Experimental and Theoretical Physics, 1999, 88, 1186-1197. Breaking of the Selection Rules for Optical Transitions in the Dielectric $\langle \mathbf{m} \rangle$	0.2	21
35	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. Praseodymium-Iron Exchange Interaction. Physical Review Letters, 2009, 102, 187403. xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" $\langle \mathbf{m} \rangle$ stretchy="false" $\langle \mathbf{m} \rangle$	2.9	21
36	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

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37	Appearance of new lines and change in line shape in the IR spectrum of a NaV2O5 single crystal at a spin-Peierls transition. JETP Letters, 1997, 65, 743-748.	0.4	20
38	Folded modes in the infrared spectra of the spin-Peierls phase of CuGeO3. Physical Review B, 1998, 57, 5040-5043.	1.1	20
39	Lattice dynamics of piezoelectric copper metaborate CuB_2O_7 . Physical Review B, 2013, 88, .	1.1	20
40	Magnetic properties of quasi-one-dimensional antiferromagnets $(\text{Y}^{1-x}\text{Nd}^x)_2\text{BaNiO}_5$ ($x=1, 0.15$). Journal of Magnetism and Magnetic Materials, 2013, 331, 133-139.	1.0	20
41	Coupling between phonon and crystal-field excitations in multiferroic PrFe_3O_7 . Physical Review B, 2014, 90, .		
42	Crystal field and magnetic ordering in the Haldane-chain compound $\text{Er}_2\text{BaNiO}_5$ as studied by optical spectroscopy. Journal of Alloys and Compounds, 2004, 380, 84-88.	2.8	19
43	Hyperfine interactions of Ho ³⁺ ions in CaF_2 . Molecular Physics, 2004, 102, 1367-1376.	1.1	19
44	Magnetic phase transitions in the chain nickelates R_2BaNiO_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
45	High-resolution spectroscopy of $\text{HoFe}_3(\text{BO}_3)_4$ crystal: a study of phase transitions. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2016, 120, 558-565.	0.8	18
46	Magnetic phase transitions and magnetic structures of $\text{In}_2\text{Cu}_2\text{O}_5$ and $\text{Sc}_2\text{Cu}_2\text{O}_5$. Solid State Communications, 1997, 102, 71-75.	0.2	18
47	Lattice vibrations of NaV_2O_5 in the low-temperature phase: An alternative interpretation to magnetic bound states. Physical Review B, 2002, 65, .	0.9	17
48	Crystal field and hyperfine structure of Er^{3+} ions in CaF_2 . Molecular Physics, 2004, 102, 1367-1376.	1.1	17
49	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.	1.1	17
50	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
51	Optical and Crystal-Field Analysis of Nd ³⁺ Ion in $\text{Nd}_2\text{BaCuO}_5$ and $\text{Nd}_2\text{BaZnO}_5$. Journal of Solid State Chemistry, 2001, 162, 42-51.	1.4	15
52	High-resolution spectroscopy of $\text{YbAl}_3(\text{BO}_3)_4$ stoichiometric nonlinear laser crystals. Journal of Physics Condensed Matter, 2008, 20, 455210.	0.7	15
53	Infrared study of lattice and magnetic dynamics in a spin-chain compound Gd_2O_7 . Physical Review B, 2010, 82, .	1.1	15
54	Terahertz spectroscopy of multiferroic $\text{EuFe}_3(\text{BO}_3)_4$. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 2562-2564.	0.9	15

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73	Spectroscopy of compounds from the family of rare-earth orthoborates. Journal of Rare Earths, 2009, 27, 607-611.	2.5	11
74	Oscillator strengths of $4f \rightarrow 3d$ transitions in $Y_3Al_5O_{12}-Er^{3+}$. Optics Communications, 1988, 65, 351-354.	1.0	10
75	Anisotropy of the magnetic properties of the cuprates Dy_2BaCuO_5 and Ho_2BaCuO_5 : Magnetic and spectroscopic investigations. Journal of Experimental and Theoretical Physics, 1997, 84, 175-182.	0.2	10
76	Hyperfine structure in optical spectra of $LiYF_4-Ho^{3+}$: forbidden transitions. Molecular Physics, 2004, 102, 1315-1318.	0.8	10
77	Stark Structure of the Yb^{3+} Ion Levels in $(Yb_xY_{1-x})_2Ti_2O_7$ and the Crystal Field in Rare-Earth Titanates with a Pyrochlore Structure. Physics of the Solid State, 2005, 47, 1425.	0.2	10
78	Nonequivalent Yb^{3+} centres in $Y_{1-x}Yb_xAl_3(BO_3)_4$ laser crystals. Quantum Electronics, 2011, 41, 120-124.	0.3	10
79	Lattice dynamics and electronic structure of cobalt-titanium spinel Co_2TiO_4 . Physics of the Solid State, 2016, 58, 2516-2522.	0.2	10
80	Direct observation of hyperfine level anticrossings in the optical spectra of a $LiYF_4$ single crystal. Physical Review B, 2019, 99, .	1.1	10
81	Low dimensional magnetism in $R_2Cu_2O_5$ compounds. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 189, 103-108.	0.9	9
82	Comparative study of the optical spectra of Er^{3+} in Er_2BaCuO_5 and Er_2BaZnO_5 . Journal of Alloys and Compounds, 1999, 284, 138-144.	2.8	9
83	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
84	High-resolution optical study of Ho^{3+} pairs in $LiY_{1-x}Ho_xF_4$ crystals. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 2332-2335.	0.9	7
85	Two-photon absorption and energy band structure of orthorhombic Hg_2Cl_2 crystals. European Physical Journal D, 1987, 37, 1183-1197.	0.4	6
86	Magnetic ordering in Y_2BaCuO_5 . Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 133, 260-262.	0.9	6
87	Spectral and magnetic studies of nickelates Lu_2BaNiO_5 and Yb_2BaNiO_5 . Solid State Communications, 1993, 85, 743-748.	0.9	6
88	Rare-earth spectroscopic probe in physics of magnetism. , 1996, 2706, 182.		6
89	Hyperfine structure of infrared transitions in $LiYF_4:Er^{3+}$. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 262, 191-194.	0.9	6
90	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

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109	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
110	Cooperative processes in Cs ₂ NaYbF ₆ elpasolite crystals. Journal of Luminescence, 2014, 153, 125-129.	1.5	3
111	Behavior of the magnetic subsystems in Nd ₂ BaNiO ₅ . Journal of Experimental and Theoretical Physics, 2014, 118, 611-620.	0.2	3
112	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
113	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
114	High-resolution spectra of LiYF ₄ :Ho ³⁺ in a magnetic field. Optical Materials, 2017, 63, 101-104.	1.7	3
115	Lattice dynamics and structure of the new langasites Ln ₃ CrGe ₃ Be ₂ O ₁₄ (Ln = La, Pr, Nd): Vibrational spectra and ab initio calculations. Journal of Physics and Chemistry of Solids, 2020, 138, 109266.	1.9	3
116	High-resolution optical spectroscopy and modeling of spectral and magnetic properties of multiferroic ErFe_3O_7 . Physical Review B, 2020, 101, .	1.1	3
117	High-resolution optical spectroscopy and modeling of spectral and magnetic properties of LaAlO_3 . Physical Review B, 2021, 103, .	1.1	3
118	Spectral Detection Of Magnetic Ordering: Diffuse Reflectance Of (Y _{1-x} Er _x) ₂ BaCuO ₅ . , 1989, , .		2
119	Charge ordering and lattice dimerization in NaV_2O_5 : One or two phase transitions?. Physics of the Solid State, 2002, 44, 1450-1454.	0.2	2
120	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
121	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
122	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
123	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
124	Phase transitions and exchange interactions in the SmCr ₃ (BO ₃) ₄ crystal. EPJ Web of Conferences, 2017, 132, 02008.	0.1	2
125	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
126	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

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127	Data on vibrational spectra of the langasites $\text{Ln}_3\text{CrGe}_3\text{Be}_2\text{O}_{14}$ (Ln = La, Pr, Nd) and ab initio calculations. Data in Brief, 2020, 28, 104889.	0.5	2
128	Spectroscopic study of GdVO_4 : Yb + Er crystals. Quantum Electronics, 2020, 50, 259-262.	0.3	2
129	High-resolution transmission and luminescence spectroscopy of $\text{Pr}^{3+}:\text{YPO}_4$. Journal of Luminescence, 2021, 235, 118003.	1.5	2
130	Neodymium Luminescence in the Ternary Semiconducting Chalcogenides TlGaS_2 and TlGaSe_2 . Physica Status Solidi (B): Basic Research, 1984, 124, K69.	0.7	1
131	New High Resolution Infrared Fourier Transform Spectrometer And The First Results In Atomic, Molecular And Crystal Spectroscopy. , 1985, , .		1
132	Optical spectra of high Tc superconductor $\text{Er}_{1-x}\text{Ba}_x\text{Cu}_{1-y}\text{O}$ in the region of $4I_{15/2} \rightarrow 4I_{13/2}$ transition in Er^{3+} ion. Solid State Communications, 1989, 69, 385-386.	0.9	1
133	<title>FTS study of magnetic transitions in cuprates $\text{R}_2\text{Cu}_2\text{O}_5$ and R_2BaCuO_5 </title>. , 1992, , .		1
134	Dielectric anomaly in NaV_2O_5 : evidence for charge ordering. Physica B: Condensed Matter, 2000, 284-288, 1653-1654.	1.3	1
135	Parametric representation of traveling waves in periodic media. , 2011, , .		1
136	Optical spectroscopy of random deformations in elastically-anisotropic crystals containing rare-earth ions. EPJ Web of Conferences, 2017, 132, 02016.	0.1	1
137	Raman scattering on electronic levels in rare-earth iron borates $\text{RFe}_3(\text{BO}_3)_4$. EPJ Web of Conferences, 2017, 132, 03021.	0.1	1
138	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
139	Holmium iron borate: high-resolution spectroscopy and crystal-field parameters. EPJ Web of Conferences, 2017, 132, 03013.	0.1	1
140	Crystal-field levels of Nd^{3+} in a new langasite compound $\text{Nd}_3\text{CrGe}_3\text{Be}_2\text{O}_{14}$. Journal of Rare Earths, 2019, 37, 1250-1254.	2.5	1
141	Phonon anomaly in $\text{Sm}_2\text{BaNiO}_5$. Journal of Physics: Conference Series, 2019, 1389, 012039.	0.3	1
142	Regulation of the phase transition temperature and hysteresis width by changing the composition of <mml:math>		

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145	Study of isotopic composition in crystals by high-resolution spectroscopy of monoisotope impurity. , 1994, , .		0
146	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
147	In Memory of Roman Ivanovich Personov (January 4, 1932â€“January 17, 2002). Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2005, 98, 650.	0.2	0
148	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
149	Isotopic disorder effect in the infrared reflection spectra of 6Li ₇ Li ¹⁷¹ Y F ₄ single crystals. Solid State Communications, 2007, 142, 256-260.	0.9	0
150	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
151	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
152	MultifunctionalRFe ₃ (BO ₃) ₄ Materials: Quality Control. EPJ Web of Conferences, 2015, 103, 09001.	0.1	0
153	Resolved Hyperfine Structure in the Spectra of Crystals for Optical Quantum Memory. EPJ Web of Conferences, 2015, 103, 01011.	0.1	0
154	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.	0.6	0
155	Electron-phonon interaction in huntite iron borates. Optical Materials, 2017, 74, 101-104.	1.7	0
156	LiYF ₄ :Ho crystal in a magnetic field: high resolution optical spectroscopy. EPJ Web of Conferences, 2017, 132, 02005.	0.1	0
157	Spectroscopy ofRFe ₃ (BO ₃) ₄ multiferroics: phase transitions, spin-phonon interaction, coupled electron-phonon modes. EPJ Web of Conferences, 2017, 132, 01010.	0.1	0
158	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
159	Towards spontaneous parametric down-conversion at low temperatures. EPJ Web of Conferences, 2017, 161, 02002.	0.1	0
160	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
161	High-resolution spectroscopy of rare-earth ferrobates with a huntite structure. Low Temperature Physics, 2019, 45, 1000-1007.	0.2	0
162	RELAXATION PROCESSES IN RARE EARTH DOPED CRYSTALS AS STUDIED BY HIGH RESOLUTION FOURIER SPECTROSCOPY. , 2003, , .		0

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163	High-Resolution FTS Study of Isotope Effects in $\text{LiLuF}_4\text{-Ho}^{3+}$, 1997, , 579-580.		0
164	High-Resolution Fourier-Transform Spectroscopy in Solid State Physics. , 1997, , 9-13.		0
165	High-resolution optical and EPR spectroscopy in solid-state research. Magnetic Resonance in Solids, 2019, 21, .	0.2	0
166	Professor Boris Zalmanovich Malkin. Magnetic Resonance in Solids, 2019, 21, .	0.2	0
167	High-resolution infrared spectroscopy of low-dimensional magnetic oxides. , 2004, , 215-228.		0
168	Thermodynamic and optical properties of new langasites $\text{Pr}_3\text{CrGe}_3\text{Be}_2\text{O}_{14}$ and $\text{Pr}_3\text{AlGe}_3\text{Be}_2\text{O}_{14}$. Journal of Alloys and Compounds, 2021, 898, 162766.	2.8	0
169	Magnetic-Field-Tunable Intensity Transfer from Optically Active Phonons to Crystal-Field Excitations in the Reflection Spectra of the $\text{PrFe}_3(\text{BO}_3)_4$ Antiferromagnet. Crystals, 2022, 12, 392.	1.0	0