

# Liudmila I Ivleva

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

162  
papers

1,973  
citations

24  
h-index

37  
g-index

180  
ext. papers

2,214  
ext. citations

1.7  
avg, IF

4.36  
L-index

#	Paper	IF	Citations
162	Evolution of the domain structure during polarization reversal in relaxor SBN single crystals studied by Brenkov-type second harmonic generation microscopy. <i>Ferroelectrics</i> , <b>2021</b> , 576, 75-84	0.6	0
161	Micro-Raman domain imaging in calcium orthovanadate single crystals. <i>Ferroelectrics</i> , <b>2021</b> , 576, 85-93	0.6	3
160	High-temperature diffusion doping as a method of fabrication of Ca <sub>3</sub> (VO <sub>4</sub> ) <sub>2</sub> :Mn single crystals. <i>Journal of Crystal Growth</i> , <b>2021</b> , 563, 126104	1.6	0
159	Pure and Tm <sup>3+</sup> -doped Ca <sub>3</sub> (VO <sub>4</sub> ) <sub>2</sub> crystals: Growth, statistical and local structure, and luminescent properties. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 854, 155918	5.7	3
158	Growth and properties of manganese doped Ca <sub>3</sub> (VO <sub>4</sub> ) <sub>2</sub> single crystals. <i>Journal of Crystal Growth</i> , <b>2021</b> , 555, 125965	1.6	6
157	Structural Characteristics of Sr <sub>0.61</sub> Ba <sub>0.39</sub> Nb <sub>2</sub> O <sub>6</sub> /MgO(001) Thin Films Grown by RF-Cathode Sputtering. <i>Physics of the Solid State</i> , <b>2021</b> , 63, 286-290	0.8	1
156	Photoconduction of Polar and Nonpolar Cuts of Undoped Sr <sub>0.61</sub> Ba <sub>0.39</sub> Nb <sub>2</sub> O <sub>6</sub> Single Crystals. <i>Crystals</i> , <b>2021</b> , 11, 780	2.3	
155	Local Polarization Reversal by Ion Beam Irradiation in SBN Single Crystals Covered by Dielectric Layer. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2021</b> , 68, 2824-2831	3.2	0
154	Effect of Mn <sup>3+</sup> doping on crystal structure, point defects, and optical properties in green Ca <sub>3</sub> (VO <sub>4</sub> ) <sub>2</sub> single crystals. <i>Materials Research Bulletin</i> , <b>2021</b> , 140, 111300	5.1	1
153	Temperature dependence of the spontaneous polarization, acoustic and strain anomalies in strontium barium niobate crystals of different chemical compositions probed by the second harmonic generation technique. <i>Ferroelectrics</i> , <b>2020</b> , 560, 54-60	0.6	1
152	Optical investigations of fluctuation of order parameter in THz range in Sr <sub>x</sub> Ba <sub>1-x</sub> Nb <sub>2</sub> O <sub>6</sub> crystals with different chemical compositions. <i>Ferroelectrics</i> , <b>2020</b> , 560, 102-109	0.6	2
151	Nanosecond parametric Raman anti-Stokes SrWO laser at 507 nm with collinear phase matching. <i>Optics Express</i> , <b>2020</b> , 28, 22919-22932	3.3	3
150	Domain Switching by Electron Beam Irradiation in SBN <sub>61</sub> :Ce Single Crystals Covered by Dielectric Layer. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2020</b> , 67, 191-196	3.2	3
149	Anomalous domains formed under AFM-TIP voltages in Sr <sub>0.61</sub> Ba <sub>0.39</sub> Nb <sub>2</sub> O <sub>6</sub> crystals and their suppression. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 052902	3.4	
148	Local structural features and composition of the Bi <sub>4</sub> Ge <sub>3</sub> O <sub>12</sub> :Dy <sup>3+</sup> crystals: effect of doping concentration. <i>CrystEngComm</i> , <b>2020</b> , 22, 5666-5677	3.3	3
147	Growth and spectral-luminescence characteristics of modified BGO crystals. <i>Journal of Crystal Growth</i> , <b>2019</b> , 525, 125205	1.6	4
146	Synthesis, Structure, and Dielectric Characteristics of Sr <sub>0.61</sub> Ba <sub>0.39</sub> Nb <sub>2</sub> O <sub>6</sub> Single Crystals and Thin Films. <i>Physics of the Solid State</i> , <b>2019</b> , 61, 244-248	0.8	3

145	Comparison of Acoustic and Nonlinear Optic Properties of Strontium Barium Niobate Crystals of Different Compositions. <i>Ferroelectrics</i> , <b>2019</b> , 538, 126-134	0.6	4
144	Impact of Tm <sup>3+</sup> /Ho <sup>3+</sup> co-doping on spectroscopic and laser properties of Ca <sub>3</sub> (VO <sub>4</sub> ) <sub>2</sub> single crystal. <i>Journal of Crystal Growth</i> , <b>2019</b> , 513, 10-14	1.6	10
143	Dependence of acoustic anomalies on chemical composition in strontium barium niobate crystals (from conventional ferroelectric to relaxor) probed by Brillouin light scattering. <i>Ferroelectrics</i> , <b>2019</b> , 542, 21-27	0.6	4
142	Tip-induced domain growth in the non-polar cuts of SBN:Ce single crystals. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 699, 012049	0.4	1
141	Spectroscopic and laser properties of Tm <sup>3+</sup> ions in Ca <sub>3</sub> (VO <sub>4</sub> ) <sub>2</sub> crystal. <i>Journal of Luminescence</i> , <b>2019</b> , 205, 482-486	3.8	9
140	Diode-pumped SrMoO <sub>4</sub> :Tm <sup>3+</sup> crystal lasing near 1500 nm. <i>Laser Physics Letters</i> , <b>2018</b> , 15, 045802	1.5	1
139	Multi-wavelength picosecond BaWO <sub>4</sub> Raman laser with long and short Raman shifts and 12-fold pulse shortening down to 3 ps at 1227 nm. <i>Laser Physics</i> , <b>2018</b> , 28, 025403	1.2	10
138	Local switching in SBN:Ni single crystals with various initial domain states. <i>Ferroelectrics</i> , <b>2018</b> , 525, 100-107	0.7	8
137	Investigation of the Thermal Conductivity of Tungstate Crystals. <i>Crystallography Reports</i> , <b>2018</b> , 63, 111-116	1.6	4
136	Structure and composition peculiarities and spectral-luminescent properties of colorless and pink Bi <sub>4</sub> Ge <sub>3</sub> O <sub>12</sub> scintillation crystals. <i>Arabian Journal of Chemistry</i> , <b>2018</b> , 11, 1270-1280	5.9	4
135	Studying the Nonlinear Optical Response from Local Polar Inhomogeneities in Strontium Barium Niobate Crystals of Different Chemical Composition. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2018</b> , 82, 261-265	0.4	4
134	Influence of the domain structure on piezoelectric and dielectric properties of relaxor SBN single crystals. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 443, 012031	0.4	4
133	Noncolinear Second-Harmonic Generation Pairs and Their Scatterings in Nd <sup>3+</sup> :SBN Crystals with Needle-Like Ferroelectric Domains. <i>Chinese Physics Letters</i> , <b>2018</b> , 35, 034203	1.8	
132	Ca <sub>3</sub> (VO <sub>4</sub> ) <sub>2</sub> :Tm <sup>3+</sup> —A new crystalline medium for 2- $\mu$ m lasers. <i>Journal of Crystal Growth</i> , <b>2018</b> , 501, 18-21	1.6	11
131	Temperature Effect on the Stability of the Polarized State Created by Local Electric Fields in Strontium Barium Niobate Single Crystals. <i>Scientific Reports</i> , <b>2017</b> , 7, 125	4.9	12
130	New structural effects in SrMoO <sub>4</sub> :Tm <sup>3+</sup> /Ho <sup>3+</sup> crystals. <i>CrystEngComm</i> , <b>2017</b> , 19, 295-303	3.3	6
129	Thulium optical centers in Tm,Nb:SrMoO <sub>4</sub> crystal. <i>Journal of Luminescence</i> , <b>2017</b> , 184, 44-47	3.8	1
128	A comprehensive structural analysis of relaxor ferroelectric Cr- and Ni-doped Sr <sub>0.61</sub> Ba <sub>0.39</sub> Nb <sub>2</sub> O <sub>6</sub> crystals. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 724, 879-888	5.7	6

127	Backswitching effect in relaxor SBN crystals, studied by PFM-spectroscopy. <i>Ferroelectrics, Letters Section</i> , <b>2017</b> , 44, 65-72	0.5	2
126	X-ray source on the basis of the piezoelectric crystal Sr <sub>0.61</sub> Ba <sub>0.39</sub> Nb <sub>2</sub> O <sub>6</sub> . <i>AIP Advances</i> , <b>2017</b> , 7, 115313	1.5	3
125	Eye-safe, Diode-pumped, Passively Q-switched, Self-Raman Nd:SrMoO <sub>4</sub> Laser Generating at 4F <sub>3/2</sub> → 4I <sub>13/2</sub> Transition <b>2017</b> ,		1
124	Spectroscopic and laser properties of SrMoO <sub>4</sub> :Tm <sup>3+</sup> crystal under 1700-nm laser diode pumping. <i>Optical Materials</i> , <b>2016</b> , 60, 119-122	3.3	5
123	Structure and real composition of undoped and Cr- and Ni-doped Sr <sub>0.61</sub> Ba <sub>0.39</sub> Nb <sub>2</sub> O <sub>6</sub> single crystals. <i>Structural Chemistry</i> , <b>2016</b> , 27, 1623-1634	1.8	7
122	Growth and spectral-luminescent study of SrMoO <sub>4</sub> crystals doped with Tm <sup>3+</sup> ions. <i>Doklady Physics</i> , <b>2016</b> , 61, 119-123	0.8	8
121	Four-wave-mixing and nonlinear cavity dumping of 280 picosecond 2nd Stokes pulse at 1.3 $\mu$ m from Nd:SrMoO <sub>4</sub> self-Raman laser. <i>Laser Physics Letters</i> , <b>2016</b> , 13, 015801	1.5	12
120	Formation of single domain state and spontaneous backswitching in SBN single crystal. <i>Ferroelectrics</i> , <b>2016</b> , 496, 149-156	0.6	11
119	Parametric second Stokes Raman laser output pulse shortening to 300 ps due to depletion of pumping of intracavity Raman conversion. <i>Applied Physics B: Lasers and Optics</i> , <b>2016</b> , 122, 1	1.9	10
118	X-ray powder diffraction methods for the determination of composition and structural parameters of Cr- and Ni-doped Sr <sub>0.61</sub> Ba <sub>0.39</sub> Nb <sub>2</sub> O <sub>6</sub> crystals. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 638, 159-165	5.7	12
117	SrMoO <sub>4</sub> :Pr <sup>3+</sup> single crystals: Growth and properties. <i>Doklady Physics</i> , <b>2015</b> , 60, 122-126	0.8	4
116	Synthesis, characterization, spectroscopy, and laser operation of SrMoO <sub>4</sub> crystals co-doped with Tm <sup>3+</sup> and Ho <sup>3+</sup> . <i>Journal of Crystal Growth</i> , <b>2015</b> , 432, 1-5	1.6	10
115	Phase transition of chemically doped uniaxial relaxor ferroelectric. <i>Journal of Physics Condensed Matter</i> , <b>2015</b> , 27, 435901	1.8	6
114	Investigation of thermophysical characteristics of SrMoO <sub>4</sub> crystals, nominally pure and doped with rare earth ions. <i>Crystallography Reports</i> , <b>2015</b> , 60, 915-920	0.6	4
113	Structural peculiarities and point defects of undoped and Cr- and Ni-doped Sr <sub>0.61</sub> Ba <sub>0.39</sub> Nb <sub>2</sub> O <sub>6</sub> crystals. <i>Acta Materialia</i> , <b>2014</b> , 70, 208-217	8.4	8
112	The Behavior of Current and Dielectric Response in SBN-75:Cr Single Crystal under Illumination Effect. <i>Ferroelectrics</i> , <b>2014</b> , 469, 92-96	0.6	3
111	Low-threshold parametric Raman generation of high-order Raman components in crystals. <i>Applied Physics B: Lasers and Optics</i> , <b>2014</b> , 117, 225-234	1.9	8
110	Phase transition of the uniaxial disordered ferroelectric Sr <sub>(0.61)</sub> Ba <sub>(0.39)</sub> Nb <sub>(2)</sub> O <sub>(6)</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2014</b> , 26, 185901	1.8	9

109	Formation of self-assembled nanodomain structures in single crystals of uniaxial ferroelectrics lithium niobate, lithium tantalate and strontiumBarium niobate. <i>Journal of Advanced Dielectrics</i> , <b>2014</b> , 04, 1450006	1.3	3
108	Creation of domains and domain patterns on the nonpolar surface of Sr x Ba1 - x Nb2O6 crystals by atomic force microscopy. <i>JETP Letters</i> , <b>2013</b> , 97, 483-489	1.2	15
107	Microdomain Arrays Fabricated in Strontium-Barium Niobate Crystals by Microscopic Methods. <i>Ferroelectrics</i> , <b>2013</b> , 442, 63-73	0.6	5
106	Study of Domain Kinetics in SBN Single Crystals in Electric Field Applied by Suspension of Silver Nanoparticles. <i>Ferroelectrics</i> , <b>2013</b> , 443, 45-53	0.6	1
105	Four-wave-mixing generation of SRS components in BaWO4 and SrWO4 crystals under picosecond excitation. <i>Quantum Electronics</i> , <b>2013</b> , 43, 616-620	1.8	8
104	Study of melting and crystallization of sodium vanadium oxide bronze. <i>Doklady Physical Chemistry</i> , <b>2013</b> , 451, 176-179	0.8	
103	Double Loops Formation in Sr0.75Ba0.25Nb2O6 Single Crystals in Relaxor Phase. <i>Ferroelectrics</i> , <b>2013</b> , 443, 116-123	0.6	5
102	Characteristics of surface photorefractive waves in a nonlinear SBN-75 crystal coated with a metal film. <i>Quantum Electronics</i> , <b>2013</b> , 43, 14-20	1.8	16
101	Effect of Ni doping on ferroelectric and dielectric properties of strontium barium niobate crystals. <i>Applied Physics B: Lasers and Optics</i> , <b>2012</b> , 106, 143-150	1.9	9
100	Temperature Dependence of Domain Switching in Cr Doped Sr0.61Ba0.39Nb2O6 Single Crystals. <i>Ferroelectrics</i> , <b>2012</b> , 426, 97-102	0.6	2
99	Eye-safe Nd :YVO4 laser with intracavity SRS in a BaWO4 crystal. <i>Quantum Electronics</i> , <b>2012</b> , 42, 27-30	1.8	9
98	Nanodomain structures formation during polarization reversal in uniform electric field in strontium barium niobate single crystals. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 064117	2.5	28
97	Stimulated Raman scattering of 18 picosecond laser pulses in strontium barium niobate crystal. <i>Laser Physics Letters</i> , <b>2012</b> , 9, 519-523	1.5	3
96	Second harmonic generation in microdomain gratings fabricated in strontium-barium niobate crystals with an atomic force microscope. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 052015	2.5	12
95	Crystal growth and physical properties of ENaxV2O5 bronze. <i>Journal of Crystal Growth</i> , <b>2011</b> , 336, 89-93	1.6	1
94	Growth of single crystals of sodium vanadate bronze and investigation into their physicochemical and emission-getter characteristics. <i>Nanotechnologies in Russia</i> , <b>2011</b> , 6, 379-386	0.6	2
93	Formation of nanodomain ensembles during polarization reversal in Sr0.61Ba0.39Nb2O6: Ce single crystals. <i>Physics of the Solid State</i> , <b>2011</b> , 53, 2311-2315	0.8	9
92	Scanning probe microscopy investigation of ferroelectric properties of barium strontium niobate crystals. <i>Physics of the Solid State</i> , <b>2011</b> , 53, 2468-2475	0.8	9

91	Effect of illumination on a dielectric nonlinearity in Cr-doped SBN-75 single crystal. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2011</b> , 75, 1399-1402	0.4	1
90	Polarization Reversal Kinetics in Strontium Barium Niobate Relaxor Crystals. <i>Ferroelectrics</i> , <b>2011</b> , 413, 311-327	0.6	1
89	Composite waveguide on a photorefractive crystal. <i>Quantum Electronics</i> , <b>2011</b> , 41, 924-928	1.8	6
88	Surface photorefractive wave on the boundary of a photorefractive metal-coated crystal. <i>Quantum Electronics</i> , <b>2011</b> , 41, 262-266	1.8	10
87	Efficient conversion of Nd:YAG laser radiation to the eye-safe spectral region by stimulated Raman scattering in BaWO <sub>4</sub> crystal. <i>Quantum Electronics</i> , <b>2010</b> , 40, 710-715	1.8	16
86	Nonlinear surface waves on the boundary of a photorefractive crystal. <i>Quantum Electronics</i> , <b>2010</b> , 40, 437-440	1.8	24
85	Performance of ZnMoO <sub>4</sub> crystal as cryogenic scintillating bolometer to search for double beta decay of molybdenum. <i>Journal of Instrumentation</i> , <b>2010</b> , 5, P11007-P11007	1	79
84	Ferroelectric microdomains and microdomain arrays recorded in strontium barium niobate crystals in the field of atomic force microscope. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 042010	2.5	27
83	Influence of electron irradiation on optical properties of scheelite crystals. <i>Laser Physics</i> , <b>2010</b> , 20, 635-642	1.2	8
82	Dynamic Holography Method for Nondestructive Testing of Optical Homogeneity of Transparent Media. <i>Crystallography Reports</i> , <b>2010</b> , 55, 1000-1005	0.6	4
81	Effect of illumination on the long-term relaxation of polarization in an SBN-75+0.01 at. % Cr single crystal. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2010</b> , 74, 1238-1239	0.4	1
80	Second harmonic generation in a strontium barium niobate crystal with a random domain structure <b>2010</b> , 87, 98		
79	SPECIFIC FEATURES OF 1D AND 2D DOMAIN PATTERN STABILITY RECORDED IN STRONTIUM-BARIUM NIOBATE BY ATOMIC FORCE MICROSCOPE. <i>Integrated Ferroelectrics</i> , <b>2009</b> , 109, 36-47	0.8	
78	Recording of domains and regular domain patterns in strontium barium niobate crystals in the field of atomic force microscope. <i>Applied Physics B: Lasers and Optics</i> , <b>2009</b> , 95, 505-512	1.9	24
77	Luminescence investigation of zinc molybdate single crystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2009</b> , 206, 1579-1583	1.6	45
76	Switching kinetics of a relaxor ferroelectric Sr <sub>0.75</sub> Ba <sub>0.25</sub> Nb <sub>2</sub> O <sub>6</sub> observed by the second harmonic generation method. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2009</b> , 206, 321-325	1.6	5
75	Processes of the relaxation of regular microdomain structures recorded in ferroelectric strontium-barium niobate crystals in the field of an atomic force microscope. <i>JETP Letters</i> , <b>2009</b> , 90, 303-309	1.3	7
74	Luminescence peculiarities and optical properties of MgMoO <sub>4</sub> and MgMoO <sub>4</sub> :Yb crystals. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , <b>2009</b> , 106, 556-563	0.7	24

73	Optical and dielectric properties of SBN61 single crystals doped with Co, Cr, Ni and Ce. <i>Optical Materials</i> , <b>2009</b> , 31, 1794-1797	3.3	
72	Physicochemical and technological peculiarities of multicomponent oxide crystal growth from melt by modified Stepanov technique. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2009</b> , 73, 1338-1340	3.4	19
71	Evolution of the dielectric and acoustic parameters of chromium-doped SBN single crystals with variations in temperature. <i>Physics of the Solid State</i> , <b>2009</b> , 51, 577-581	0.8	5
70	Investigation of ferroelectric properties of strontium barium niobate crystals by second harmonic generation technique. <i>Physics of the Solid State</i> , <b>2009</b> , 51, 2334-2341	0.8	6
69	Demonstration of high self-Raman laser performance of a diode-pumped SrMoO <sub>4</sub> :Nd <sup>3+</sup> crystal. <i>Optics Letters</i> , <b>2009</b> , 34, 1102-4	3	29
68	Second harmonic generation in a strontium barium niobate crystal with a random domain structure. <i>JETP Letters</i> , <b>2008</b> , 87, 98-102	1.2	13
67	Luminescence of Rare Earth Ions in Strontium Barium Niobate Around the Phase Transition: The Case of Tm <sup>3+</sup> Ions. <i>Ferroelectrics</i> , <b>2008</b> , 363, 150-162	0.6	11
66	Some new approaches for development of mid-IR laser sources <b>2008</b> ,		2
65	Diffuse second harmonic generation under the ferroelectric switching in Sr <sub>0.75</sub> Ba <sub>0.25</sub> Nb <sub>2</sub> O <sub>6</sub> crystals. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 032904	3.4	8
64	Anomalies of Pyroelectric Hysteresis Loops in Relaxor Ferroelectric SBN. <i>Ferroelectrics</i> , <b>2008</b> , 374, 128-135	3.5	5
63	Growth and properties of ZnMoO <sub>4</sub> single crystals. <i>Crystallography Reports</i> , <b>2008</b> , 53, 1087-1090	0.6	45
62	Growth of optically homogeneous BaWO <sub>4</sub> single crystals for Raman lasers. <i>Journal of Crystal Growth</i> , <b>2007</b> , 304, 108-113	1.6	25
61	Hydroxyl ions in scheelite type molybdates and tungstates. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2007</b> , 4, 856-859		4
60	Creation of microdomains in an atomic force microscope in strontium-barium niobate ferroelectric crystals. <i>JETP Letters</i> , <b>2007</b> , 86, 268-271	1.2	7
59	Laser performance of Yb:GdCa <sub>4</sub> O(BO <sub>3</sub> ) <sub>3</sub> compared to Yb:KGd(WO <sub>4</sub> ) <sub>2</sub> under diode-bar pumping. <i>Laser Physics</i> , <b>2007</b> , 17, 1204-1208	1.2	19
58	Study of the temperature dependence of the electrical conductivity in strontium-barium niobate crystals with different dopants. <i>Crystallography Reports</i> , <b>2007</b> , 52, 328-331	0.6	5
57	Structural conditionality for the quadratic nonlinear susceptibility of Sr <sub>1-x</sub> Ba <sub>x</sub> Nb <sub>2</sub> O <sub>6</sub> crystals. <i>Crystallography Reports</i> , <b>2007</b> , 52, 1056-1060	0.6	2
56	Nd:SrWO <sub>4</sub> and Nd:BaWO <sub>4</sub> Raman lasers. <i>Optical Materials</i> , <b>2007</b> , 30, 195-197	3.3	39



55	Comparative study of the lasing properties of self-Raman capable Nd <sup>3+</sup> doped tungstates and molybdates under diode pumping. <i>Optical Materials</i> , <b>2007</b> , 30, 54-57	3.3	15
54	Investigation of hysteresis loops in SBN single crystal. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 93, 012020	0.3	3
53	Lasing properties of new Nd <sup>3+</sup> -doped tungstate, molybdate, and fluoride materials under selective optical pumping <b>2006</b> ,		1
52	Thermal hysteresis in the luminescence of Yb <sup>3+</sup> ions in Sr <sub>0.6</sub> Ba <sub>0.4</sub> Nb <sub>2</sub> O <sub>6</sub> . <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	28
51	Photo-luminescence studies of strontium barium niobate crystals doped with Cr <sup>3+</sup> ions. <i>Chemical Physics Letters</i> , <b>2006</b> , 417, 196-199	2.5	7
50	Bistable luminescence of trivalent rare-earth ions in crystals. <i>Journal of Luminescence</i> , <b>2006</b> , 119-120, 314-317	3.8	1
49	Luminescence life time and time-resolved spectroscopy of Cr <sup>3+</sup> ions in strontium barium niobate. <i>Journal of Luminescence</i> , <b>2006</b> , 119-120, 453-456	3.8	6
48	Lasing properties of selectively pumped Raman-active Nd <sup>3+</sup> -doped molybdate and tungstate crystals. <i>Quantum Electronics</i> , <b>2006</b> , 36, 720-726	1.8	25
47	Effect of gamma irradiation on the dielectric response of a Sr <sub>0.75</sub> Ba <sub>0.25</sub> Nb <sub>2</sub> O <sub>6</sub> relaxor single crystal. <i>Physics of the Solid State</i> , <b>2006</b> , 48, 1117-1119	0.8	2
46	Temperature-dependent coherent oscillation in photorefractive relaxor strontium barium niobate. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2005</b> , 22, 1648	1.7	1
45	Study of ferroelectric domain switching by domain wall induced light scattering. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 074102	2.5	23
44	Polarization kinetics of a photosensitive relaxor ferroelectric. <i>Physics of the Solid State</i> , <b>2005</b> , 47, 298	0.8	1
43	Electro-optical properties of strontium-barium niobate crystals and their relation to the domain structure of the crystals. <i>Physics of the Solid State</i> , <b>2005</b> , 47, 305	0.8	4
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39	Evaluation of ytterbium doped strontium barium niobate as a potential tunable laser crystal in the visible. <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 6185-6191	2.5	28
38	Erbium luminescence in 3D- and 2D-mesoporous matrices <b>2004</b> ,		1



37	Study of ferroelectric switching by domain-wall induced light scattering. <i>JETP Letters</i> , <b>2004</b> , 80, 258-262	1.2	3
36	Switching of SBN crystals: Comparison with the model case (DTGS). <i>Crystallography Reports</i> , <b>2004</b> , 49, 1018-1027	0.6	1
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34	Effects of Ni doping on properties of strontium-barium niobate crystals. <i>Solid State Communications</i> , <b>2004</b> , 130, 223-226	1.6	24
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30	Picosecond stimulated Raman scattering in new crystals Nd:SrWO <sub>4</sub> and SrMoO <sub>4</sub> <b>2003</b> ,		1
29	SrWO <sub>4</sub> :Nd <sup>3+</sup> - new material for multifunctional lasers. <i>Optical Materials</i> , <b>2003</b> , 23, 439-442	3.3	93
28	Polarization of strontium-barium niobate crystals in pulsed fields. <i>Physics of the Solid State</i> , <b>2003</b> , 45, 1537-1542	0.8	3
27	X-ray diffraction study of cerium-and thulium-doped (Sr,Ba)Nb <sub>2</sub> O <sub>6</sub> single crystals. <i>Crystallography Reports</i> , <b>2003</b> , 48, 933-938	0.6	8
26	Stimulated Raman scattering of picosecond pulses in SrMoO <sub>4</sub> and Ca <sub>3</sub> (VO <sub>4</sub> ) <sub>2</sub> crystals. <i>Quantum Electronics</i> , <b>2003</b> , 33, 331-334	1.8	22
25	Slow Polarization Kinetics in Relaxor Ferroelectrics. <i>Ferroelectrics</i> , <b>2003</b> , 285, 275-281	0.6	2
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20	The kinetic characteristics of polarization of relaxor ferroelectrics. <i>Journal of Experimental and Theoretical Physics</i> , <b>2001</b> , 93, 596-603	1	18

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17	Polarization and depolarization of relaxor ferroelectric strontium barium niobate. <i>Physics of the Solid State</i> , <b>2000</b> , 42, 1334-1340	0.8	12
16	Atomic structure of Sr <sub>0.75</sub> Ba <sub>0.25</sub> Nb <sub>2</sub> O <sub>6</sub> single crystal and composition-structure-property relation in (Sr,Ba)Nb <sub>2</sub> O <sub>6</sub> solid solutions. <i>Physics of the Solid State</i> , <b>2000</b> , 42, 1716-1721	0.8	56
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12	Raman spectroscopy of crystals for stimulated Raman scattering. <i>Optical Materials</i> , <b>1999</b> , 11, 307-314	3.3	145
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