

Ludmila I Isaenko

List of Publications by Year in descending order

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209
papers

3,342
citations

136950

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

211
all docs

211
docs citations

211
times ranked

2112
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth of a novel $KO_{0.4}Rb_{0.6}Pb_2Cl_5$ crystal and theoretical and experimental studies of its electronic and optical properties. <i>Optical Materials</i> , 2022, 124, 112050.	3.6	4
2	Diode-pumped $Dy:K_{0.2}Pb_{0.5}Cl_5$ laser in the middle-infrared spectral region. <i>Optics Letters</i> , 2022, 47, 1553.	3.3	2
3	Comparative Study of $LiInSe_2$ Single Crystals for Thermal-Neutron Detection. <i>Crystallography Reports</i> , 2022, 67, 464-469.	0.6	0
4	Single crystal growth and the electronic structure of $Rb_2Na(NO_3)_3$: Experiment and theory. <i>Journal of Solid State Chemistry</i> , 2021, 294, 121910.	2.9	8
5	A New Nonlinear Optical Selenide Crystal $AgLiGa_2Se_4$ with Good Comprehensive Performance in Mid-Infrared Region. <i>Advanced Optical Materials</i> , 2021, 9, 2001856.	7.3	28
6	Radiation-stimulated processes in $SrMgF_4$ single crystals irradiated with fast electrons. <i>Optical Materials</i> , 2021, 118, 111234.	3.6	3
7	Thermophysical properties of lithium thiogallate that are important for optical applications. <i>RSC Advances</i> , 2021, 11, 39177-39187.	3.6	8
8	Diode-Pumped $Dy:K_{0.2}Pb_{0.5}Cl_5$ Laser at 4.2-4.45 μm . , 2021, , .		2
9	The optical properties of the nonlinear crystal $BaGa_4Se_7$. <i>Optical Materials</i> , 2020, 99, 109564.	3.6	20
10	Study of $LiInSe_2$ Single Crystals for the Thermal Neutron Detection. <i>Journal of Surface Investigation</i> , 2020, 14, S15-S18.	0.5	5
11	Optical and electronic properties of lithium thiogallate ($LiGa_2$): experiment and theory. <i>RSC Advances</i> , 2020, 10, 26843-26852.	3.6	8
12	$LiGaS_2$ crystal growth under low temperature gradient conditions by the modified Bridgman method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 262, 114715.	3.5	2
13	Optical and positron annihilation studies of structural defects in $LiInSe_2$ single crystals. <i>Optical Materials</i> , 2020, 109, 110262.	3.6	8
14	On the Possibility of Observing the Incommensurately Modulated Modification of $Li_2B_4O_7$. <i>Glass Physics and Chemistry</i> , 2020, 46, 350-352.	0.7	0
15	Influence of growth temperature of $KTiOAsO_4$ single crystals on their physicochemical parameters and formation of domain structures. <i>Quantum Electronics</i> , 2020, 50, 788-792.	1.0	1
16	Theoretical and experimental study on the electronic and optical properties of $K_{0.5}Rb_{0.5}Pb_2Br_5$: a promising laser host material. <i>RSC Advances</i> , 2020, 10, 11156-11164.	3.6	13
17	DFT study and XPS measurements elucidating the electronic and optical properties of KPb_2Cl_5 . <i>Optical Materials</i> , 2020, 102, 109793.	3.6	12
18	Analysis of switching current data in KTA single crystals. <i>Ferroelectrics</i> , 2020, 559, 1-7.	0.6	1

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19	50-Å level, 20-picosecond, narrowband difference-frequency generation at 46, 54, 75, 92, and 108 Å in LiGaS ₂ and LiGaSe ₂ at Nd:YAG laser pumping and various crystalline Raman laser seedings. Optical Materials Express, 2020, 10, 1881.	3.0	10
20	Tens-of-Å level, 20-picosecond, Narrowband Difference-Frequency Generation at 4.6, 5.4, 7.5, 9.2 Å in LiGaS ₂ and LiGaSe ₂ at Nd:YAG Laser Pumping and Raman Seeding. , 2020, , .		0
21	Structural and X-ray spectroscopy studies of Pb _{1-x} Ba _x (NO ₃) ₂ solid solutions. Journal of Solid State Chemistry, 2019, 277, 786-792.	2.9	8
22	Spectroscopic Properties of KPb ₂ Cl ₅ and RbPb ₂ Br ₅ Doped with Er ³⁺ and Yb ³⁺ . Physics of the Solid State, 2019, 61, 811-817.	0.6	0
23	Growth, structure and physical properties of nonlinear K ₂ Ba(NO ₃) ₄ crystals. Journal of Solid State Chemistry, 2019, 274, 52-57.	2.9	6
24	Specific Peculiarities of the Electronic Structure of SrPb ₃ Br ₈ As Evidenced from First-Principles DFT Band-Structure Calculations. Journal of Electronic Materials, 2019, 48, 3059-3068.	2.2	8
25	Growth, Structure, and Optical Properties of Nonlinear LiGa _{0.55} In _{0.45} Te ₂ Single Crystals. Crystal Growth and Design, 2019, 19, 1805-1814.	3.0	4
26	Abnormal kinetics of domain structure in KTA single crystals. Applied Physics Letters, 2019, 115, 212901.	3.3	6
27	Mid-IR Optical Parametric Oscillator Based on Periodically Polled LiNbO ₃ Pumped by Tm ³⁺ :Lu ₂ O ₃ Ceramic Laser. Atmospheric and Oceanic Optics, 2019, 32, 724-729.	1.3	3
28	10-Å Level, 20-Picosecond Difference-Frequency Generation at 9.21 Å in LiGaS ₂ Pumped by 1.064/1.203 Å Nd:YAG/CaCO ₃ Raman Laser. , 2019, , .		0
29	50-Å level, 20-picosecond difference-frequency generation at 4.6-9.2 Å in LiGaS ₂ and LiGaSe ₂ at Nd:YAG laser pumping and various crystalline Raman laser seeding. , 2019, , .		0
30	Thermo-optic dispersion formula for LiGa ₂ . Applied Optics, 2019, 58, 1519.	1.8	6
31	Polarized optical spectra of $\langle \text{http://www.w3.org/1998/Math/MathML} \rangle$  $\langle \text{http://www.w3.org/1998/Math/MathML} \rangle$  $\langle \text{http://www.w3.org/1998/Math/MathML} \rangle$ 	3.1	1
32	A luminescence spectroscopy study of new Li ₂ BaAl ₂ F ₁₀ single crystal. Optical Materials, 2018, 76, 1-10.	3.6	0
33	Electronic structure and optical properties of LiGa _{0.5} In _{0.5} Se ₂ single crystal, a nonlinear optical mid-IR material. Optical Materials, 2018, 80, 12-21.	3.6	11
34	A luminescence-optical spectroscopy study of Rb ₂ KTiOF ₅ single crystals. Optical Materials, 2018, 80, 47-56.	3.6	1
35	Negative thermal expansion and electronic structure variation of chalcopyrite type LiGaTe ₂ . RSC Advances, 2018, 8, 9946-9955.	3.6	35
36	SrPb ₃ Br ₈ :Pr crystals: growth and investigation of spectroscopic characteristics. Journal of Luminescence, 2018, 195, 166-169.	3.1	3

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37	Morphology and magnetic properties of pressed barium hexaferrite BaFe ₁₂ O ₁₉ materials. Journal of Magnetism and Magnetic Materials, 2018, 459, 131-135.	2.3	18
38	Structural, optical and electronic properties of K ₂ Ba(NO ₃) ₄ crystal. Physica B: Condensed Matter, 2018, 531, 149-158.	2.7	13
39	Synthesis of New SrPb ₃ Br ₈ Crystals and Investigation of Their Properties. Crystallography Reports, 2018, 63, 1022-1026.	0.6	0
40	Upconversion luminescence of Er ³⁺ doped KPb ₂ Cl ₅ and RbPb ₂ Br ₅ crystals. AIP Conference Proceedings, 2018, , .	0.4	1
41	Structure and Optical Properties of the Li ₂ In ₂ GeSe ₆ Crystal. Journal of Physical Chemistry C, 2018, 122, 17413-17422.	3.1	11
42	An Experimental Study of Ultra-Wide-Band and Ultra-Wide-Aperture Non-Collinear Acousto-Optic Diffraction in an Optically Biaxial Potassium Arsenate Titanyl Crystal. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2018, 73, 83-88.	0.4	6
43	Difference-frequency Generation at 9.2 & 4.6 μ m in LiGaS ₂ Pumped by a 20-picosecond Nd:YAG/CaCO ₃ Raman Laser. , 2018, , .		0
44	Experimental heat capacity of LiInS ₂ , LiInSe ₂ , LiGaS ₂ , LiGaSe ₂ , and LiGaTe ₂ from 180 to 460 K. Journal of Thermal Analysis and Calorimetry, 2017, 129, 103-108.	3.6	13
45	Electronic structure and optical properties of noncentrosymmetric LiGaSe ₂ : Experimental measurements and DFT band structure calculations. Optical Materials, 2017, 66, 149-159.	3.6	28
46	LiGaTe ₂ (LGT) nonlinear crystal: Synthesis and crystal growth processes exploration. Materials Science in Semiconductor Processing, 2017, 72, 52-59.	4.0	9
47	Luminescence spectroscopy of Rb ₂ KTiOF ₅ oxyfluoride single crystals. AIP Conference Proceedings, 2017, , .	0.4	4
48	Phase Transitions of Nonlinear Optical LiGaTe ₂ Crystals before and after Melting. Journal of Physical Chemistry C, 2017, 121, 17429-17435.	3.1	8
49	Luminescence of Er ³⁺ doped double lead halide crystals under X-ray, UV, VIS and IR excitation. AIP Conference Proceedings, 2017, , .	0.4	1
50	Optical spectra and emission characteristics of terbium-doped potassium lead double chloride crystals (KPb ₂ Cl ₅ :Tb ³⁺). Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2017, 122, 735-748.	0.6	2
51	Magnetic and Structural Properties of Barium Hexaferrite BaFe ₁₂ O ₁₉ from Various Growth Techniques. Materials, 2017, 10, 578.	2.9	41
52	Phase-matching properties of LiGaS ₂ in the 1025–105910 μ m spectral range. Optics Letters, 2017, 42 , 4363-27		
53	Properties of LiGa _{0.5} In _{0.5} Se ₂ : A Quaternary Chalcogenide Crystal for Nonlinear Optical Applications in the Mid-IR. Crystals, 2016, 6, 85.	2.2	15
54	New SrPb ₃ Br ₈ crystals: Growth, crystal structure and optical properties. Journal of Alloys and Compounds, 2016, 682, 832-838.	5.5	11

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55	Electronic structure and optical properties of noncentrosymmetric LiGaGe ₂ Se ₆ , a promising nonlinear optical material. <i>Physica B: Condensed Matter</i> , 2016, 501, 74-83.	2.7	25
56	Crystal Growth, Structure, and Optical Properties of LiGaGe ₂ Se ₆ . <i>Inorganic Chemistry</i> , 2016, 55, 8672-8680.	4.0	37
57	Spectroscopy in the 1.4 and 1.8- μ m wavelength regions of KPb ₂ Cl ₅ single crystals doped with trivalent Thulium. <i>Journal of Luminescence</i> , 2016, 180, 140-145.	3.1	2
58	Recent studies of nonlinear chalcogenide crystals for the mid-IR. <i>Semiconductor Science and Technology</i> , 2016, 31, 123001.	2.0	100
59	Time-resolved luminescence spectroscopy of structurally disordered K ₃ WO ₃ F ₃ crystals. <i>Optical Materials</i> , 2016, 58, 285-289.	3.6	8
60	Cathodoluminescence of monoclinic Li ₃ AlF ₆ crystals in the spectral region of 150-600 nm. <i>Radiation Measurements</i> , 2016, 90, 51-54.	1.4	1
61	Specific features of the electronic structure and optical properties of KPb ₂ Br ₅ : DFT calculations and X-ray spectroscopy measurements. <i>Optical Materials</i> , 2016, 53, 64-72.	3.6	25
62	Electronic structure and optical properties of RbPb ₂ Br ₅ . <i>Journal of Physics and Chemistry of Solids</i> , 2016, 91, 25-33.	4.0	33
63	Flux Crystal Growth and the Electronic Structure of BaFe ₁₂ O ₁₉ Hexaferrite. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5114-5123.	3.1	96
64	Crystal growth and electronic structure of low-temperature phase SrMgF ₄ . <i>Journal of Solid State Chemistry</i> , 2016, 236, 89-93.	2.9	11
65	Growth, structural and magnetic characterization of Co- and Ni-substituted barium hexaferrite single crystals. <i>Journal of Alloys and Compounds</i> , 2015, 628, 480-484.	5.5	68
66	Tungsten substituted BaFe ₁₂ O ₁₉ single crystal growth and characterization. <i>Materials Chemistry and Physics</i> , 2015, 155, 99-103.	4.0	26
67	Growth, structural and magnetic characterization of Zn-substituted barium hexaferrite single crystals. <i>Materials Chemistry and Physics</i> , 2015, 163, 416-420.	4.0	40
68	Structure and optical properties of Li ₂ Ga ₂ GeS ₆ nonlinear crystal. <i>Optical Materials</i> , 2015, 47, 413-419.	3.6	21
69	Cu-substituted barium hexaferrite crystal growth and characterization. <i>Ceramics International</i> , 2015, 41, 9172-9176.	4.8	36
70	Photoluminescence of monoclinic Li ₃ AlF ₆ crystals under vacuum ultraviolet and soft X-ray excitations. <i>Optical Materials</i> , 2015, 49, 201-207.	3.6	4
71	Structures and optical properties of two phases of SrMgF ₄ . <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 500-508.	2.8	9
72	VUV Optical SrMgF ₄ ; Crystal: Synthesis, Crystal Growth and Phase Transition Investigation. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2015, 9, 819-822.	0.5	1

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73	Distribution of dopant metals between PbTiO ₃ crystals and PbO-B ₂ O ₃ flux. Russian Journal of General Chemistry, 2014, 84, 1888-1892.	0.8	3
74	Temperature- and moisture-dependency of CsLiB ₆ O ₁₀ . A new phase, $\hat{\Gamma}^2$ -CsLiB ₆ O ₁₀ . Zeitschrift Fur Kristallographie - Crystalline Materials, 2014, 229, .	0.8	4
75	Difference-frequency generation of fs and ps mid-IR pulses in LiInSe ₂ based on Yb-fiber laser pump sources. , 2014, , .		0
76	Origin of the solid solution in the LiInSe ₂ – In ₂ Se ₃ system. Journal of Solid State Chemistry, 2014, 220, 91-96.	2.9	9
77	A far ultraviolet spectroscopic study of the reflectance, luminescence and electronic properties of SrMgF ₄ single crystals. Journal of Luminescence, 2014, 145, 872-879.	3.1	8
78	Magnon BEC in Antiferromagnets with Suhl–Nakamura Interaction. Journal of Low Temperature Physics, 2014, 175, 167-176.	1.4	11
79	Spectroscopic features of nonlinear AgGaSe ₂ crystals. Journal of Crystal Growth, 2014, 387, 41-47.	1.5	8
80	Measurement of Raman-Scattering Spectra of Rb ₂ KMoO ₃ F ₃ Crystal: Evidence for Controllable Disorder in the Lattice Structure. Crystal Growth and Design, 2014, 14, 923-927.	3.0	22
81	Ti-Substituted BaFe ₁₂ O ₁₉ Single Crystal Growth and Characterization. Crystal Growth and Design, 2014, 14, 5834-5839.	3.0	38
82	Difference-frequency generation of fs and ps mid-IR pulses in LiInSe ₂ based on Yb-fiber laser pump sources. Optics Letters, 2014, 39, 4353.	3.3	28
83	Growth, structural and magnetic characterization of Al-substituted barium hexaferrite single crystals. Journal of Alloys and Compounds, 2014, 615, 1043-1046.	5.5	55
84	Electronic properties of undoped LiBaAlF ₆ single crystals: far-ultraviolet optical, luminescence, and x-ray photoelectron spectroscopy studies. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 1926.	2.1	7
85	Electronic excitations and luminescence of SrMgF ₄ single crystals. Physics of the Solid State, 2014, 56, 456-467.	0.6	4
86	Investigation of the ferroelastic phase transition in the SrMgF ₄ pyroelectric crystal. Physics of the Solid State, 2014, 56, 757-760.	0.6	6
87	Structural, spectroscopic, and thermophysical investigations of the oxyfluorides CsZnMoO ₃ F ₃ and CsMnMoO ₃ F ₃ with the pyrochlore structure. Physics of the Solid State, 2014, 56, 599-605.	0.6	2
88	Optical and luminescence spectroscopy studies of electronic structure of Li ₆ Gd ₃ O ₉ single crystals. Optical Materials, 2014, 36, 1060-1064.	3.6	8
89	Bose-Einstein condensation in antiferromagnets at low temperatures. Journal of Physics: Conference Series, 2014, 568, 042001.	0.4	4
90	A luminescence spectroscopy study of SrI ₂ :Nd ³⁺ single crystals. Journal of Luminescence, 2013, 143, 101-107.	3.1	12

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91	Singly-resonant optical parametric oscillation based on the wide band-gap mid-IR nonlinear optical crystal LiGaS ₂ . Optical Materials, 2013, 35, 1612-1615.	3.6	55
92	Infrared absorption investigation of the role of octahedral groups upon the phase transition in the Rb ₂ KMoO ₃ F ₃ crystal. Physics of the Solid State, 2013, 55, 2331-2334.	0.6	12
93	The luminescence microspectroscopy of Pr ³⁺ -doped LiBaAlF ₆ and Ba ₃ Al ₂ F ₁₂ crystals. Radiation Measurements, 2013, 56, 49-53.	1.4	11
94	Structural, Spectroscopic, and Electronic Properties of Cubic G0-Rb ₂ KTiOF ₅ Oxyfluoride. Journal of Physical Chemistry C, 2013, 117, 7269-7278.	3.1	38
95	Optical and photoelectron spectroscopy studies of KPb ₂ Cl ₅ and RbPb ₂ Cl ₅ laser crystals. Optical Materials, 2013, 35, 620-625.	3.6	15
96	Spectroscopic study of red-light-emitting centers in K ₂ Al ₂ B ₂ O ₇ : Fe single crystals. Optical Materials, 2013, 35, 1173-1178.	3.6	6
97	Electronic structure of KTiOAsO ₄ , a novel material for non-linear optical applications. , 2013, , .		2
98	Difference-frequency generation of femtosecond pulses in the mid-IR using LiInSe ₂ . , 2013, , .		0
99	Femtosecond mid-IR difference-frequency generation in LiInSe ₂ . Optical Materials Express, 2013, 3, 1834.	3.0	17
100	Optical study of defects in lithium iodate LiIO ₃ . Journal of the Optical Society of America B: Optical Physics, 2012, 29, 1430.	2.1	18
101	Photoluminescence of lithium thiogallate LiGaS ₂ . Journal of the Optical Society of America B: Optical Physics, 2012, 29, 1003.	2.1	14
102	Linear optical properties of $\hat{\Gamma}^3$ -modification of bismuth borate BiB ₃ O ₆ . Physics of the Solid State, 2012, 54, 1966-1969.	0.6	1
103	Ultraviolet luminescence of LiGd(BO ₃) ₃ : Ce crystals under selective excitation in the region of 4d $\hat{\Gamma}^4$ transitions. Physics of the Solid State, 2012, 54, 2039-2050.	0.6	6
104	Growth, Morphology and Optical Properties of $\hat{\Gamma}^3$ -BiB ₃ O ₆ Single Crystals. Crystal Growth and Design, 2012, 12, 75-78.	3.0	9
105	Lattice Dynamics of Oxyfluoride Rb ₂ KMoO ₃ F ₃ . Ferroelectrics, 2012, 441, 52-60.	0.6	0
106	Luminescence and electronic excitations in crystals K ₂ Al ₂ B ₂ O ₇ with defects. Physics of the Solid State, 2012, 54, 111-116.	0.6	2
107	Synthesis and structural properties of cubic G0-Rb ₂ KMoO ₃ F ₃ oxyfluoride. Ceramics International, 2012, 38, 2455-2459.	4.8	8
108	Electronic parameters and top surface chemical stability of RbPb ₂ Br ₅ . Materials Chemistry and Physics, 2012, 132, 82-86.	4.0	19

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109	Electronic structure and fundamental absorption edges of KPb_2Br_5 , $\text{K}_0.5\text{Rb}_0.5\text{Pb}_2\text{Br}_5$, and RbPb_2Br_5 single crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 674-682.	4.0	87
110	Exploration on anion ordering, optical properties and electronic structure in $\text{K}_3\text{WO}_3\text{F}_3$ elpasolite. <i>Journal of Solid State Chemistry</i> , 2012, 187, 159-164.	2.9	95
111	A luminescence spectroscopy study of scintillation crystals SrI_2 doped with Eu^{2+} . <i>Optical Materials</i> , 2012, 34, 926-930.	3.6	43
112	A time-resolved luminescence spectroscopy study of non-linear optical crystals $\text{K}_2\text{Al}_2\text{B}_2\text{O}_7$. <i>Journal of Luminescence</i> , 2012, 132, 1632-1638.	3.1	9
113	Luminescence and electronic excitations in $\text{Li}_6\text{Gd}(\text{BO}_3)_3:\text{Ce}^{3+}$ crystals. <i>Physics of the Solid State</i> , 2012, 54, 485-492.	0.6	10
114	Luminescence and electronic excitations in $\text{KBe}_2\text{BO}_3\text{F}_2$ crystals. <i>Physics of the Solid State</i> , 2012, 54, 735-740.	0.6	2
115	Raman spectroscopic study of the lattice dynamics in the $\text{Rb}_2\text{KMoO}_3\text{F}_3$ oxyfluoride. <i>Physics of the Solid State</i> , 2012, 54, 1275-1280.	0.6	10
116	Effect of post-growth annealing on the optical properties of LiGaS_2 nonlinear crystals. , 2011, , .		0
117	Exploration of optical and electronic parameters of lithium thiogallate (LiGaS_2). , 2011, , .		0
118	New data on the phase transition in SrAlF_5 . <i>Crystallography Reports</i> , 2011, 56, 29-34.	0.6	0
119	Thermodynamic properties and structure of oxyfluorides $\text{Rb}_2\text{KMoO}_3\text{F}_3$ and $\text{K}_2\text{NaMoO}_3\text{F}_3$. <i>Physics of the Solid State</i> , 2011, 53, 1202-1211.	0.6	8
120	Coefficients of thermal expansion of KPb_2Cl_5 and RbPb_2Br_5 crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 104, 795-796.	3.6	1
121	Single crystal growth and surface chemical stability of KPb_2Br_5 . <i>Journal of Crystal Growth</i> , 2011, 318, 1000-1004.	1.5	26
122	A luminescence spectroscopy and theoretical study of $4f \rightarrow 5d$ transitions of Ce^{3+} ions in SrAlF_5 crystals. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 105501.	1.8	14
123	New mixed $\text{LiGa}_{0.5}\text{In}_{0.5}\text{Se}_2$ nonlinear crystal for the mid-IR. <i>Proceedings of SPIE</i> , 2011, , .	0.8	6
124	Time-resolved luminescence spectroscopy of pure and doped with Ce^{3+} ions SrAlF_5 crystals. <i>Journal of Surface Investigation</i> , 2010, 4, 666-670.	0.5	3
125	Investigation of the structure, physical properties, and phase transition in SrAlF_5 . <i>Physics of the Solid State</i> , 2010, 52, 509-514.	0.6	3
126	Energy transfer in pure and rare-earth doped SrAlF_5 crystals. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 15, 012011.	0.6	4

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127	LiInSe ₂ nanosecond optical parametric oscillator tunable from 4.7 to 8.7 Å, Åµm. Proceedings of SPIE, 2010, , .	0.8	9
128	Luminescence properties of undoped LiBaAlF ₆ single crystals. Journal of Physics Condensed Matter, 2010, 22, 295504.	1.8	7
129	Optical, thermal, electrical, damage, and phase-matching properties of lithium selenoindate. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 1902.	2.1	84
130	Core level photoelectron spectroscopy of LiGaS ₂ and Gaâ€“S bonding in complex sulfides. Journal of Alloys and Compounds, 2010, 497, 244-248.	5.5	42
131	Broadly tunable LiInSe ₂ optical parametric oscillator pumped by a Nd:YAG laser. Proceedings of SPIE, 2009, , .	0.8	4
132	Coefficients of thermal expansion of the potassium and rubidium halogenide plumbates. Journal of Thermal Analysis and Calorimetry, 2009, 95, 323-325.	3.6	6
133	Electronic structure of LiGaS ₂ . Solid State Communications, 2009, 149, 572-575.	1.9	28
134	Investigation of the influence of gradual substitution K â†” Rb on the structure and phase transition in K x Rb1 â” x Pb2Br5 solid solutions. Physics of the Solid State, 2009, 51, 589-592.	0.6	5
135	Transient optical absorption and luminescence in APb2Cl5 (A = K, Rb) crystals. Physics of the Solid State, 2009, 51, 1640-1648.	0.6	5
136	Effect of K â†” Rb Substitution on Structure and Phase Transition in Mixed KxRb1â”xPb2Br5 Crystals. Crystal Growth and Design, 2009, 9, 2248-2251.	3.0	12
137	Electronic structure of KTiOAsO ₄ : A comparative study by the full potential linearized augmented plane wave method, X-ray emission spectroscopy and X-ray photoelectron spectroscopy. Journal of Alloys and Compounds, 2009, 477, 768-775.	5.5	49
138	Nd:YAG pumped nanosecond optical parametric oscillator based on LiInSe ₂ with tunability extending from 47 to 87 Åµm. Optics Express, 2009, 17, 13441.	3.4	37
139	Optical properties of LiGaS ₂ : an <i>ab initio</i> study and spectroscopic ellipsometry measurement. Journal of Physics Condensed Matter, 2009, 21, 455502.	1.8	18
140	Structural and electronic properties of the KTiOAsO ₄ (001) surface. Optical Materials, 2008, 30, 1149-1152.	3.6	35
141	LiBaAlF ₆ and the crystal chemistry of LiAlBIIIIF ₆ phases. Acta Crystallographica Section C: Crystal Structure Communications, 2008, 64, i66-i68.	0.4	5
142	Nonlinear LiBIIIICYI ₂ crystals for mid-IR and far-IR: Novel aspects in crystal growth. Journal of Crystal Growth, 2008, 310, 1954-1960.	1.5	81
143	Transient optical absorption induced by an electron pulse in KPb2Cl5 crystals. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2008, 105, 377-379.	0.6	4
144	New Monocrystals with Low Phonon Energy for Mid-IR Lasers. NATO Science for Peace and Security Series B: Physics and Biophysics, 2008, , 3-65.	0.3	8

#	ARTICLE	IF	CITATIONS
145	Orthorhombic Crystals of Lithium Thioindate and Selenoindate for Nonlinear Optics in the Mid-IR. NATO Science for Peace and Security Series B: Physics and Biophysics, 2008, , 67-104.	0.3	10
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147	Frequency doubling of CO ₂ laser radiation at 10.6 μm in the highly nonlinear chalcopyrite LiGaTe ₂ . Optics Letters, 2007, 32, 1722.	3.3	23
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