

# Stella L Korableva

## List of Publications by Year in descending order

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121  
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394421

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121  
all docs

121  
docs citations

121  
times ranked

732  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ce <sup>3+</sup> -doped Colquiriite. Journal of Modern Optics, 1993, 40, 1-5.	1.3	171
2	Ce <sup>3+</sup> -activated fluoride crystals as prospective active media for widely tunable ultraviolet ultrafast lasers with direct 10-ns pumping. IEEE Journal of Selected Topics in Quantum Electronics, 1995, 1, 792-804.	2.9	78
3	Ce <sup>3+</sup> :LiLuF <sub>4</sub> as a broadband ultraviolet amplification medium. Optics Letters, 1995, 20, 294.	3.3	61
4	Vacuum-ultraviolet fluorescence of Gd <sup>3+</sup> and Lu <sup>3+</sup> ions in fluoride matrices. Physical Review B, 2007, 75, .	3.2	56
5	Ultraviolet short pulses from an all-solid-state Ce:LiCAF master-oscillator power-amplifier system. Optics Letters, 1997, 22, 994.	3.3	55
6	All-solid-state tunable ultraviolet subnanosecond laser with direct pumping by the fifth harmonic of a Nd:YAG laser. Applied Optics, 1998, 37, 6446.	2.1	37
7	Physical Background for Luminescence Thermometry Sensors Based on Pr <sup>3+</sup> :LaF <sub>3</sub> Crystalline Particles. Journal of Nanomaterials, 2017, 2017, 1-9.	2.7	35
8	Vacuum-ultraviolet interconfigurational 4f <sup>3</sup> → 4f <sup>2</sup> 5d absorption and emission studies of the Nd <sup>3+</sup> ion in KYF, YF, and YLF crystal hosts. Journal of the Optical Society of America B: Optical Physics, 1995, 12, 782.	2.1	31
9	High-resolution optical spectroscopy of Nd <sup>3+</sup> in LiYF <sub>4</sub> crystal hosts. Physical Review B, 2010, 81, 044407.	3.2	31
10	On the 4f <sup>2</sup> → 4f <sup>3</sup> interconfigurational transitions of Nd <sup>3+</sup> ions in K <sub>2</sub> YF <sub>5</sub> and LiYF <sub>4</sub> crystal hosts. Optics Communications, 1998, 149, 386-392.	2.1	29
11	VUV and UV fluorescence and absorption studies of Pr <sup>3+</sup> -doped LiLuF <sub>4</sub> single crystals. Optics Letters, 1994, 19, 499.	3.3	28
12	Ultraviolet subnanosecond pulse train generation from an all-solid-state Ce:LiCAF laser. Applied Physics Letters, 1995, 67, 602-604.	3.3	28
13	Stark level structure and oscillator strengths of Nd <sup>3+</sup> ion in different fluoride single crystals. Journal of Alloys and Compounds, 2001, 323-324, 763-767.	5.5	27
14	4f <sub>2</sub> to 4f <sub>5</sub> d excited state absorption in Pr <sup>3+</sup> -doped crystals. Optical Materials, 2001, 16, 233-242.	3.6	27
15	Fine structure of spectral lines in LiYF <sub>4</sub> :Er <sup>3+</sup> due to isotopic disorder in the lattice. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 269, 348-350.	2.1	23
16	Vacuum ultraviolet and ultraviolet fluorescence and absorption studies of Er <sup>3+</sup> -doped LiLuF <sub>4</sub> single crystals. Applied Physics Letters, 1994, 65, 813-815.	3.3	22
17	Subnanosecond Tunable Ultraviolet Pulse Generation from a Low-Q, Short-Cavity Ce:LiCAF Laser. Japanese Journal of Applied Physics, 1997, 36, L1384-L1386.	1.5	22
18	Direct measurements of anticrossings of the electron-nuclear energy levels in LiYF <sub>4</sub> :Ho <sup>3+</sup> with submillimeter EPR spectroscopy. Applied Magnetic Resonance, 2005, 28, 251-265.	1.2	22

#	ARTICLE	IF	CITATIONS
19	Optical and gain properties of series of crystals $\text{LiF} \cdot \text{YF}_3 \cdot \text{LuF}_3$ doped with $\text{Ce}^{3+}$ and $\text{Yb}^{3+}$ ions. Journal of Luminescence, 2007, 127, 71-75.	3.1	20
20	$5d \rightarrow 4f$ luminescence of $\text{Ce}^{3+}$ , $\text{Gd}^{3+}$ and $\text{Lu}^{3+}$ in $\text{LiCaAlF}_6$ . Journal of Luminescence, 2012, 132, 418-424.	3.1	20
21	Experimental proof of the existence of water clusters in fullerene-like $\text{PrF}_3$ nanoparticles. JETP Letters, 2012, 96, 181-183.	1.4	19
22	Hyperfine interactions of $\text{Ho}^{3+}$ ions in $\text{KY}_3\text{F}_{10}$ crystals. JETP Letters, 2012, 96, 184-187.	3.2	19
23	Laser performance of in-band pumped $\text{Er} : \text{LiYF}_4$ and $\text{Er} : \text{LiLuF}_4$ crystals. Quantum Electronics, 2016, 46, 95-99.	1.0	19
24	On the distribution coefficient of $\text{Ce}^{3+}$ ions in $\text{LiF}-\text{LuF}_3-\text{YF}_3$ solid-solution crystals. JETP Letters, 2010, 91, 21-23.	1.4	18
25	Optical Spectra, EPR, and Spin Lattice Relaxation of $\text{Yb}^{3+}$ Ions in Crystals Having Perovskite Type Structure. Physica Status Solidi (B): Basic Research, 1977, 81, 287-293.	1.5	17
26	VUV and UV fluorescence and absorption studies of $\text{Nd}^{3+}$ and $\text{Ho}^{3+}$ ions in $\text{LiYF}_4$ single crystals. Optics Communications, 1994, 107, 104-110.	2.1	17
27	Direct and passive subnanosecond pulse-train generation from a self-injection-seeded ultraviolet solid-state laser. Optics Letters, 1995, 20, 599.	3.3	16
28	On the VUV and UV $4f \rightarrow 4f$ interconfigurational transitions of $\text{Tb}^{3+}$ ions in $\text{LiLuF}_4$ single crystal hosts. Optics Communications, 1998, 156, 101-111.	2.1	16
29	Crystal field splitting of the $4f^5d$ electronic configuration of $\text{Pr}^{3+}$ ions in wide band gap fluoride dielectric crystals. Optics Communications, 2002, 208, 345-358.	2.1	16
30	Spin Kinetics of $^3\text{He}$ in Contact with Synthesized $\text{PrF}_3$ Nanoparticles. Journal of Low Temperature Physics, 2011, 162, 645-652.	1.4	16
31	Spectral characteristics of solid solutions $\text{LiY}_{1-x}\text{Lu}_x\text{F}_4$ doped by $\text{Ce}^{3+}$ ions. Physics of the Solid State, 2008, 50, 1648-1651.	0.6	15
32	Photoinduced toxicity of $\text{PrF}_3$ and $\text{LaF}_3$ nanoparticles. Optics and Spectroscopy (English Translation) Tj ETQq0 0 0 ggBT /Overlock 10 Tf 0.6 14	0.6	14
33	Characterization of $\text{Pr}^{3+}$ -Doped $\text{LaF}_3$ Nanoparticles Synthesized by Different Variations of Coprecipitation Method. Journal of Nanomaterials, 2019, 2019, 1-17.	2.7	14
34	EPR and optical spectroscopy of neodymium ions in $\text{KMgF}_3$ and $\text{KZnF}_3$ crystals. Applied Magnetic Resonance, 1993, 5, 377-385.	1.2	13
35	Tunable Ultraviolet Short-Pulse Generation from a $\text{Ce}:\text{LiCAF}$ Laser Amplifier System and Its Sum-Frequency Mixing with an $\text{Nd}:\text{YAG}$ Laser. Japanese Journal of Applied Physics, 1998, 37, L36-L38.	1.5	13
36	Optical studies of $\text{Pb}^{2+}$ ions in a $\text{LiBaF}_3$ crystal. Journal of Physics Condensed Matter, 2006, 18, 4985-4993.	1.8	13

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37	Magnetic properties of Dy <sup>3+</sup> ions and crystal field characterization in YF <sub>3</sub> :Dy <sup>3+</sup> and DyF <sub>3</sub> single crystals. Journal of Physics Condensed Matter, 2008, 20, 485220.	1.8	13
38	Size effect in the (PrF <sub>3</sub> nanoparticles-3He) system. JETP Letters, 2013, 97, 579-582.	1.4	13
39	Luminescence Nanothermometry Based on Pr <sup>3+</sup> /LaF <sub>3</sub> Single Core and Pr <sup>3+</sup> /LaF <sub>3</sub> Core/Shell Nanoparticles. Advances in Materials Science and Engineering, 2019, 2019, 1-14.	1.8	13
40	The peculiarities of electron-nuclear and pseudo-Zeeman interactions of <sup>19</sup> F nuclei in KZnF <sub>3</sub> :Er <sup>3+</sup> . Journal of Physics Condensed Matter, 1989, 1, 2331-2340.	1.8	12
41	Distortion of the crystal field in the van Vleck paramagnet LiTmF <sub>4</sub> activated by isovalent impurities. Physica Status Solidi (B): Basic Research, 1989, 152, 191-201.	1.5	12
42	On the interconfigurational 4f <sup>2</sup> → 4f <sup>3</sup> VUV and UV fluorescence features of Nd <sup>3+</sup> in LiYF <sub>4</sub> (YLF) single crystals under F <sub>2</sub> laser pumping. Optics Communications, 1992, 94, 115-118.	2.1	12
43	Crystal growth, EPR and site-selective laser spectroscopy of Gd <sup>3+</sup> -activated LiCaAlF <sub>6</sub> single crystals. Journal of Luminescence, 2001, 94-95, 113-117.	3.1	12
44	Spectral Kinetics of Ce <sup>3+</sup> Ions in Double-Fluoride Crystals with a Scheelite Structure. Physics of the Solid State, 2005, 47, 1460.	0.6	12
45	Microwave-Assisted Hydrothermal Synthesis and Annealing of Dy <sup>3+</sup> Nanoparticles. Journal of Nanomaterials, 2016, 2016, 1-5.	2.7	12
46	Application of photoconductivity measurements to photodynamic processes investigation in LiYF <sub>4</sub> :Ce <sup>3+</sup> and LiLuF <sub>4</sub> :Ce <sup>3+</sup> crystals. Optical Materials, 2011, 33, 1530-1534.	3.6	11
47	Continuous wave diode pumped Yb:LLF and Yb:NYF lasers. Optics Communications, 2009, 282, 4404-4407.	2.1	10
48	Nuclear pseudoquadrupole resonance of <sup>141</sup> Pr in Van Vleck paramagnet PrF <sub>3</sub> . JETP Letters, 2011, 94, 240-242.	1.4	10
49	Annealing of PrF <sub>3</sub> nanoparticles by microwave irradiation. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.5	10
50	Photodynamic nonlinear processes in UV solid-state active media and approaches to improving material laser performance. , 2002, 4766, 119.		9
51	EPR of Yb <sup>3+</sup> ions in Ba <sub>1-x</sub> La <sub>x</sub> F <sub>2</sub> mixed crystals. Applied Magnetic Resonance, 2005, 28, 41-53.	1.2	9
52	Thermal conductivity of crystals formed by fluoritelike phases in MF-RF <sub>3</sub> systems (M = Li, Na, and K, R = ) Tj ETQq0 0,0 rgBT /Overlock 10	0,7	9
53	Superhyperfine structure of the EPR spectra of Nd <sup>3+</sup> and U <sup>3+</sup> ions in LiRF <sub>4</sub> (R = Y, Lu, Tm) double fluorides. Physics of the Solid State, 2011, 53, 2240-2243.	0.6	9
54	A new technique of the excited-state photoionization studies in Ce:LiYF <sub>4</sub> and Ce:LiLuF <sub>4</sub> crystals. Journal of Luminescence, 2013, 133, 73-76.	3.1	9

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55	Toxicity of laser irradiated photoactive fluoride PrF <sub>3</sub> nanoparticles toward bacteria. Journal of Physics: Conference Series, 2014, 560, 012011.	0.4	9
56	Enhanced Room-Temperature Ferromagnetism in Composite CeO <sub>2</sub> /CeF <sub>3</sub> Nanoparticles. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800318.	2.4	9
57	VUV and UV Florescence and Absorption Studies of Tb <sup>3+</sup> and Tm <sup>3+</sup> Trivalent Ions in LiYF <sub>4</sub> Single Crystal Hosts. Journal of Modern Optics, 1994, 41, 767-775.	1.3	8
58	EPR of Gd <sup>3+</sup> in single crystal colquirite and analysis of the spin Hamiltonian tensors B <sub>4</sub> and B <sub>6</sub> . Applied Magnetic Resonance, 1997, 13, 579-606.	1.2	8
59	All-solid-state injection-seeded tunable ultraviolet laser. Journal of Modern Optics, 1998, 45, 1993-1998.	1.3	8
60	EPR of rare-earth ion clusters in mixed crystals Ba <sub>1-x</sub> La <sub>x</sub> F <sub>2+x</sub> doped with Yb <sup>3+</sup> Ion. Applied Magnetic Resonance, 2005, 29, 561-568.	1.2	8
61	The nonlinear Zeeman and parastriction effects in luminescence spectra of crystals. Journal of Luminescence, 2006, 117, 225-232.	3.1	8
62	Electron paramagnetic resonance of Gd <sup>3+</sup> ions in powders of LaF <sub>3</sub> :Gd <sup>3+</sup> nanocrystals. JETP Letters, 2014, 99, 149-152.	1.4	8
63	Photodynamic Processes in CaF <sub>2</sub> Crystals Activated by Ce <sup>3+</sup> and Yb <sup>3+</sup> Ions. Physics of the Solid State, 2005, 47, 1457.	0.6	7
64	Low magnetic fields behavior of photon echo in LuLiF <sub>4</sub> :Er <sup>3+</sup> . Laser Physics Letters, 2006, 3, 423-426.	1.4	7
65	Analysis of excitation mechanisms of Ho <sup>3+</sup> upconversion luminescence in Ho <sup>3+</sup> :LiYbF <sub>4</sub> (0.2 at %) crystal via photographs of its longitudinal cross sections and via spectral and kinetic characteristics. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2016, 121, 523-533.	0.6	7
66	Crossover effects in scheelite DyLiF <sub>4</sub> . Physics of the Solid State, 2006, 48, 726-735.	0.6	6
67	Spectral kinetic properties of Yb <sup>3+</sup> :Na <sub>4</sub> Y <sub>6</sub> F <sub>22</sub> and Yb <sup>3+</sup> :LiLuF <sub>4</sub> crystals. Journal of Applied Spectroscopy, 2007, 74, 844-850.	0.7	6
68	Optical properties of UV-induced color centers in a KY <sub>3</sub> F <sub>10</sub> :Ce <sup>3+</sup> crystal. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2013, 114, 822-826.	0.6	6
69	Enhanced efficiency ultraviolet LiYLu <sub>1-x</sub> XF <sub>4</sub> :RE <sup>3+</sup> (RE = Ce, Yb) laser. Laser Physics Letters, 2014, 11, 125807.	1.4	6
70	Revised Measurements and Interpretation of Magnetic Properties of Oriented CeF <sub>3</sub> Single Crystals. Journal of Low Temperature Physics, 2016, 185, 603-608.	1.4	6
71	Excited state absorption from the 5d states of Ce <sup>3+</sup> ions in LiCaAlF <sub>6</sub> crystals. , 1997, 3239, 240.		5
72	Superhyperfine Structure of EPR Spectra in LiLuF <sub>4</sub> :U <sup>3+</sup> and LiYF <sub>4</sub> :Yb <sup>3+</sup> Single Crystals. Applied Magnetic Resonance, 2008, 33, 351-364.	1.2	5

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73	Investigation of gain characteristics in mixed crystals LiMeF <sub>4</sub> (Me = Y, Lu, Yb) doped by Ce <sup>3+</sup> ions. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2014, 116, 732-738.	0.6	5
74	Ultra-short pulses UV lasing in multifunctional Ce:LiY <sub>0.03</sub> Lu <sub>0.07</sub> F <sub>4</sub> active medium. Optical Materials Express, 2016, 6, 1131.	3.0	5
75	Excited-state absorption spectra of Pr <sup>3+</sup> ions doped into LiY <sub>0.03</sub> Lu <sub>0.07</sub> F <sub>4</sub> mixed crystal. Optical Materials Express, 2016, 6, 1146.	3.0	5
76	Spectroscopic Indications of the Possible Optical Cooling Effect in Fluoride Crystals Activated by Yb <sup>3+</sup> and Tm <sup>3+</sup> Ions. Physics of the Solid State, 2005, 47, 1463.	0.6	4
77	Superhyperfine structure of the EPR spectra of Ce <sup>3+</sup> ions in LiRF <sub>4</sub> (R = Y, Lu, Tm) double fluorides. Physics of the Solid State, 2010, 52, 2070-2075.	0.6	4
78	Investigation of the photoionization of Ce <sup>3+</sup> ions in a YAG crystal by microwave resonance technique. JETP Letters, 2013, 97, 1-4.	1.4	4
79	New all-solid-state tunable UV Ce <sup>3+</sup> , Yb <sup>3+</sup> :LiY <sub>0.4</sub> Lu <sub>0.6</sub> F <sub>4</sub> laser. JETP Letters, 2013, 96, 633-635.	1.4	4
80	Superhyperfine structure of the EPR spectra of impurity ions in the LiYF <sub>4</sub> :Nd <sup>3+</sup> system doped by <sup>143</sup> Nd isotopes. Physics of the Solid State, 2015, 57, 2400-2403.	0.6	4
81	EPR of Dy <sup>3+</sup> in the Rb <sub>2</sub> NaYF <sub>6</sub> single crystal. Journal of Alloys and Compounds, 2016, 688, 295-300.	5.5	4
82	Efficient laser pumping of a Co:MgF <sub>2</sub> crystal by radiation with the wavelength 1.3 μm. Quantum Electronics, 1997, 27, 589-591.	1.0	3
83	EPR of trivalent iron ions in a LiCaAlF <sub>6</sub> crystal. Physics of the Solid State, 1997, 39, 423-425.	0.6	3
84	The analysis of spin Hamiltonian and crystal field tensors for Fe <sup>3+</sup> in crystals of LiCaAlF <sub>6</sub> and LiSrAlF <sub>6</sub> . Applied Magnetic Resonance, 1998, 15, 145-154.	1.2	3
85	Isotope shifts in the spectra of LiLuF <sub>4</sub> :Ho <sup>3+</sup> crystals due to the isotopic disorder in the lithium sublattice. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2004, 97, 50-55.	0.6	3
86	Multi-range high-frequency EPR spectroscopy of LiYF <sub>4</sub> and LiLuF <sub>4</sub> crystals doped by rare-earth ions. Physics of the Solid State, 2008, 50, 1619-1624.	0.6	3
87	Enhanced superhyperfine structure of the EPR spectra of a U <sup>3+</sup> ion introduced into the Van Vleck paramagnet LiTmF <sub>4</sub> . JETP Letters, 2008, 87, 311-315.	1.4	3
88	Characterization of Ce <sup>3+</sup> and Yb <sup>3+</sup> doped LiF-LuF <sub>3</sub> -YF <sub>3</sub> solid solutions as new UV active media. Proceedings of SPIE, 2010, , .	0.8	3
89	Impurity segregation coefficient measurements in LiF-LuF <sub>3</sub> -YF <sub>3</sub> systems doped by Nd <sup>3+</sup> . Proceedings of SPIE, 2010, , .	0.8	3
90	Magnetic and magnetoelastic properties of LiDyF <sub>4</sub> single crystals. Journal of Physics: Conference Series, 2013, 478, 012026.	0.4	3

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91	Photoconductivity and photodielectric effect in $\text{LiY}_1 \hat{a}'' \times \text{Lu} \times \text{F}_4$ crystals doped with $\text{Ce}^{3+}$ and $\text{Yb}^{3+}$ ions. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2014, 116, 739-742.	0.6	3
92	Magnetic field effects in optical and far IR spectra of $\text{LiTmF}_4$ crystals. , 2002, , .		2
93	Pump-probe experiments with $\text{Ce}^{3+}:\text{Yb}^{3+}:\text{KY}_3\text{F}_{10}$ and $\text{Ce}^{3+}:\text{Yb}^{3+}:\text{CaF}_2$ crystals. , 2010, , .		2
94	NMR, high frequency EPR and magnetization studies of $\text{YF}_3:\text{Tm}^{3+}$ and $\text{TmF}_3$ . Journal of Physics: Conference Series, 2011, 324, 012033.	0.4	2
95	Spectral-kinetic studies of $\text{SrAlF}_5$ doped by trivalent rare-earth ions. Optics Communications, 2012, 285, 3832-3836.	2.1	2
96	$\text{Ce}^{3+}:\text{Pr}^{3+}:\text{LiYO}_3\text{Lu}_0.7\text{F}_4$ Mixed Crystal as a Perspective Upconversionally Pumped UV Active Medium. Journal of Physics: Conference Series, 2014, 560, 012010.	0.4	2
97	Structure and Metastability of $\text{MF}_2$ ( $\text{M} = \text{Ca}, \text{Sr}, \text{Ba}$ ) Fine Powders Mechanochemically Doped with $\text{Er}^{3+}$ ions. Applied Magnetic Resonance, 2015, 46, 515-522.	1.2	2
98	Spin-lattice relaxation and polarization of nuclei in impurity $\text{RE}^{3+}:\text{YLiF}_4$ single crystals. Soviet Physics Journal (English Translation of Izvestiia Vysshikh Uchebnykh Zavedenii, Fizika), 1978, 21, 1187-1191.	0.0	1
99	EPR and spin-lattice relaxation of rare-earth ions in $\text{LiLuF}_4$ monocrystals. Soviet Physics Journal (English Translation of Izvestiia Vysshikh Uchebnykh Zavedenii, Fizika), 1988, 31, 104-106.	0.0	1
100	The magnetoelastic contribution to thermal expansion of rare-earth metal scheelites $\text{RLiF}_4$ ( $\text{R} = \text{Tb}, \text{Yb}$ ). Journal of Experimental and Theoretical Physics, 2003, 97, 279-289.	0.9	1
101	<title>Laser tests as a tool for studying photodynamic processes in UV active media</title>. , 2004, , .		1
102	<title>Spectral-kinetic and photochemical properties of $\text{Ce}^{3+}:\text{Na}_4\text{Y}_6\text{F}_{22}:\text{Yb}^{3+}$ single crystals</title>. , 2004, , .		1
103	Electron Paramagnetic Resonance in Mixed Crystals $(\text{BaF}_2)_{1-x}(\text{LaF}_3)_x$ Activated by $\text{Ce}^{3+}$ Ions. Physics of the Solid State, 2005, 47, 1467.	0.6	1
104	Intracavity losses investigation of $\text{LiCaAlF}_6:\text{Ce}^{3+}$ laser. , 2010, , .		1
105	$^{19}\text{F}$ NMR study of $\text{LiTbF}_4$ single crystals. Journal of Physics: Conference Series, 2011, 324, 012034.	0.4	1
106	Formation of a stable bivalent state of $\text{Yb}$ ions in $\text{Na}_4\text{Y}_6\text{F}_{22}:\text{Ce}^{3+}, \text{Yb}^{3+}$ crystal under intense UV irradiation. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2011, 111, 415-419.	0.6	1
107	Induced quadrupole effects near a crossover in a tetragonal $\text{TbLiF}_4$ sheelite in a strong magnetic field up to 50 T. Journal of Experimental and Theoretical Physics, 2012, 115, 1029-1041.	0.9	1
108	Procedure for interpreting the luminescence lines caused by ordinary and cross-relaxation transitions. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2013, 114, 827-830.	0.6	1

#	ARTICLE	IF	CITATIONS
109	Laser performance investigation of a new UV active media $\text{LiY}_{0.3}\text{Lu}_{0.7}\text{F}_4:\text{Ce}^{3+}$ and $\text{LiY}_{0.3}\text{Lu}_{0.7}\text{F}_4:\text{Ce}^{3+}+\text{Yb}^{3+}$ . Journal of Physics: Conference Series, 2013, 461, 012029.	0.4	1
110	Distribution coefficient of $\text{Pr}^{3+}$ ions in crystals of solid solutions $\text{LiF-LuF}_3-\text{YF}_3-\text{PrF}_3$ . Journal of Physics: Conference Series, 2014, 560, 012019.	0.4	1
111	Two-step photoconductivity in $\text{LiY} \times \text{Lu}_1 \text{ } \hat{\text{a}}\text{E}^{\text{e}} \times \text{F}_4:\text{Ce},\text{Yb}$ crystals. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314 rgBT /Overlo	0.6	1
112	Comparative Study of Spectroscopic Properties of $\text{Pr}^{3+}$ -Doped $\text{LiY}_{0.3}\text{Lu}_{0.7}\text{F}_4$ , $\text{LiYF}_4$ and $\text{LiLuF}_4$ Crystals. , 2019, , .		1
113	A Ce: LiCAF UV laser pumped by an intracavity frequency-doubled radiation at 532 nm. , 2004, , .		0
114	<title>Laser-related spectroscopy of $\text{KY}_3\text{F}_{10}:\text{Pr}^{3+}\text{Yb}^x\text{F}$ crystals</title>. , 2005, , .		
115	Dynamics of the UV-Induced Absorption of Laser Light by Color Centers in Crystalline $\text{KY}_3\text{F}_{10}:\text{Ce}^{3+},\text{Yb}^{3+}$ . Journal of Applied Spectroscopy, 2014, 81, 611-617.	0.7	0
116	Laser characteristics of active medium $\text{LiLu}_{0.7}\text{Y}_{0.3}\text{F}_4:\text{Ce}^{3+}$ in ultra-short pulse mode. Journal of Physics: Conference Series, 2014, 560, 012016.	0.4	0
117	Crystal field simulation and NMR study of $^{19}\text{F}$ in a $\text{EuF}_3$ Van Vleck paramagnet. Low Temperature Physics, 2015, 41, 58-61.	0.6	0
118	Peculiarities of luminescence decay of Ce:LaF <sub>3</sub> nanoparticles depending on conditions of hydrothermal treatment. EPJ Web of Conferences, 2017, 161, 03013.	0.3	0
119	Ultraviolet picosecond pulses from an all-solid-state Ce:LiSAF master oscillator and Ce:LiCAF power amplifier system. , 1996, , .		0
120	14-mJ, 1-nsec, 289-nm pulses from an all-solid-state Ce:LiCAF master oscillator and power amplifier system. , 1997, , .		0
121	Color Centers Transient Absorption and Ultra-short Pulse Lasing from $\text{LiLu}_{0.7}\text{Y}_{0.3}\text{F}_4:\text{Ce}^{3+}$ Active Medium. , 2015, , .		0