

# Stella L Korableva

## List of Publications by Year in descending order

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121  
papers

1,498  
citations

394421

19  
h-index

414414

32  
g-index

121  
all docs

121  
docs citations

121  
times ranked

732  
citing authors

#	ARTICLE	IF	CITATIONS
1	Luminescence Nanothermometry Based on Pr <sup>3+</sup> :LaF <sub>3</sub> Single Core and Pr <sup>3+</sup> :LaF <sub>3</sub> /LaF <sub>3</sub> Core/Shell Nanoparticles. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-14.	1.8	13
2	Characterization of Pr-Doped LaF <sub>3</sub> Nanoparticles Synthesized by Different Variations of Coprecipitation Method. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-17.	2.7	14
3	Comparative Study of Spectroscopic Properties of Pr <sup>3+</sup> -Doped LiY <sub>0.3</sub> Lu <sub>0.7</sub> F <sub>4</sub> , LiYF <sub>4</sub> and LiLuF <sub>4</sub> Crystals. , 2019, , .		1
4	Enhanced Room-Temperature Ferromagnetism in Composite CeO <sub>2</sub> /CeF <sub>3</sub> Nanoparticles. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1800318.	2.4	9
5	Peculiarities of luminescence decay of Ce:LaF <sub>3</sub> nanoparticles depending on conditions of hydrothermal treatment. <i>EPJ Web of Conferences</i> , 2017, 161, 03013.	0.3	0
6	Physical Background for Luminescence Thermometry Sensors Based on Pr <sup>3+</sup> :LaF <sub>3</sub> Crystalline Particles. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-9.	2.7	35
7	Microwave-Assisted Hydrothermal Synthesis and Annealing of DyF <sub>3</sub> Nanoparticles. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-5.	2.7	12
8	Ultra-short pulses UV lasing in multifunctional Ce:LiY <sub>0.3</sub> Lu <sub>0.7</sub> F <sub>4</sub> active medium. <i>Optical Materials Express</i> , 2016, 6, 1131.	3.0	5
9	Laser performance of in-band pumped Er : LiYF <sub>4</sub> and Er : LiLuF <sub>4</sub> crystals. <i>Quantum Electronics</i> , 2016, 46, 95-99.	1.0	19
10	Two-step photoconductivity in LiY <sub>x</sub> Lu <sub>1-x</sub> F <sub>4</sub> :Ce,Yb crystals. <i>Optics and Spectroscopy (English)</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 0,6	0.6	1
11	Photoinduced toxicity of PrF <sub>3</sub> and LaF <sub>3</sub> nanoparticles. <i>Optics and Spectroscopy (English Translation)</i> Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 0,6	0.6	14
12	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. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2016, 121, 523-533.	0.6	7
13	Revised Measurements and Interpretation of Magnetic Properties of Oriented CeF <sub>3</sub> Single Crystals. <i>Journal of Low Temperature Physics</i> , 2016, 185, 603-608.	1.4	6
14	EPR of Dy <sup>3+</sup> in the Rb <sub>2</sub> NaYF <sub>6</sub> single crystal. <i>Journal of Alloys and Compounds</i> , 2016, 688, 295-300.	5.5	4
15	Excited-state absorption spectra of Pr <sup>3+</sup> ions doped into LiY <sub>0.3</sub> Lu <sub>0.7</sub> F <sub>4</sub> mixed crystal. <i>Optical Materials Express</i> , 2016, 6, 1146.	3.0	5
16	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. <i>Physics of the Solid State</i> , 2015, 57, 2400-2403.	0.6	4
17	Structure and Metastability of MF <sub>2</sub> (M=Ca,Sr,Ba) Fine Powders Mechanochemically Doped with Er <sup>3+</sup> Ions. <i>Applied Magnetic Resonance</i> , 2015, 46, 515-522.	1.2	2
18	Crystal field simulation and NMR study of <sup>19</sup> F in a EuF <sub>3</sub> Van Vleck paramagnet. <i>Low Temperature Physics</i> , 2015, 41, 58-61.	0.6	0

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19	Color Centers Transient Absorption and Ultra-short Pulse Lasing from LiLu <sub>0.7</sub> Y <sub>0.3</sub> F <sub>4</sub> :Ce <sup>3+</sup> Active Medium. , 2015, , .		0
20	Toxicity of laser irradiated photoactive fluoride PrF <sub>3</sub> nanoparticles toward bacteria. Journal of Physics: Conference Series, 2014, 560, 012011.	0.4	9
21	Distribution coefficient of Pr <sup>3+</sup> ions in crystals of solid solutions LiF-LuF <sub>3</sub> -YF <sub>3</sub> -PrF <sub>3</sub> . Journal of Physics: Conference Series, 2014, 560, 012019.	0.4	1
22	Dynamics of the UV-Induced Absorption of Laser Light by Color Centers in Crystalline KY <sub>3</sub> F <sub>10</sub> :Ce <sup>3+</sup> ,Yb <sup>3+</sup> . Journal of Applied Spectroscopy, 2014, 81, 611-617.	0.7	0
23	Ce <sup>3+</sup> +Pr <sup>3+</sup> :LiY <sub>0.3</sub> Lu <sub>0.7</sub> F <sub>4</sub> Mixed Crystal as a Perspective Upconversionally Pumped UV Active Medium. Journal of Physics: Conference Series, 2014, 560, 012010.	0.4	2
24	Enhanced efficiency ultraviolet LiYLu <sub>1-x</sub> F <sub>4</sub> :RE <sup>3+</sup> (RE = Ce,Yb) laser. Laser Physics Letters, 2014, 11, 125807.	1.4	6
25	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
26	Annealing of PrF <sub>3</sub> nanoparticles by microwave irradiation. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2014, 116, 732-738.	0.6	5
27	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, 739-742.	0.6	3
28	Photoconductivity and photodielectric effect in LiY <sub>1-x</sub> Lu <sub>x</sub> F <sub>4</sub> crystals doped with Ce <sup>3+</sup> and Yb <sup>3+</sup> ions. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2014, 116, 739-742.	0.6	3
29	Laser characteristics of active medium LiLu <sub>0.7</sub> Y <sub>0.3</sub> F <sub>4</sub> :Ce <sup>3+</sup> in ultra-short pulse mode. Journal of Physics: Conference Series, 2014, 560, 012016.	0.4	0
30	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
31	Size effect in the (PrF <sub>3</sub> nanoparticles-3He) system. JETP Letters, 2013, 97, 579-582.	1.4	13
32	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
33	Laser performance investigation of a new UV active media LiY <sub>0.3</sub> Lu <sub>0.7</sub> F <sub>4</sub> :Ce <sup>3+</sup> and LiY <sub>0.3</sub> Lu <sub>0.7</sub> F <sub>4</sub> :Ce <sup>3+</sup> +Yb <sup>3+</sup> . Journal of Physics: Conference Series, 2013, 461, 012029.	0.4	1
34	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
35	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
36	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

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37	Magnetic and magnetoelastic properties of LiDyF <sub>4</sub> single crystals. Journal of Physics: Conference Series, 2013, 478, 012026.	0.4	3
38	Experimental proof of the existence of water clusters in fullerene-like PrF <sub>3</sub> nanoparticles. JETP Letters, 2012, 96, 181-183.	1.4	19
39	Induced quadrupole effects near a crossover in a tetragonal TbLiF <sub>4</sub> sheelite in a strong magnetic field up to 50 T. Journal of Experimental and Theoretical Physics, 2012, 115, 1029-1041.	0.9	1
40	Hyperfine interactions of Ho <sup>3+</sup> ions in KY <sub>3</sub> F <sub>7</sub> crystals. Journal of Experimental and Theoretical Physics, 2012, 115, 1042-1047.	3.2	19
41	Spectral-kinetic studies of SrAlF <sub>5</sub> doped by trivalent rare-earth ions. Optics Communications, 2012, 285, 3832-3836.	2.1	2
42	5d-4f luminescence of Ce <sup>3+</sup> , Gd <sup>3+</sup> and Lu <sup>3+</sup> in LiCaAlF <sub>6</sub> . Journal of Luminescence, 2012, 132, 418-424.	3.1	20
43	<sup>19</sup> F NMR study of LiTbF <sub>4</sub> single crystals. Journal of Physics: Conference Series, 2011, 324, 012034.	0.4	1
44	NMR, high frequency EPR and magnetization studies of YF <sub>3</sub> :Tm <sup>3+</sup> and TmF <sub>3</sub> . Journal of Physics: Conference Series, 2011, 324, 012033.	0.4	2
45	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
46	Formation of a stable bivalent state of Yb ions in Na <sub>4</sub> Y <sub>6</sub> F <sub>22</sub> :Ce <sup>3+</sup> , Yb <sup>3+</sup> crystal under intense UV irradiation. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2011, 111, 415-419.	0.6	1
47	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
48	Spin Kinetics of <sup>3</sup> He in Contact with Synthesized PrF <sub>3</sub> Nanoparticles. Journal of Low Temperature Physics, 2011, 162, 645-652.	1.4	16
49	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
50	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
51	On the distribution coefficient of Ce <sup>3+</sup> ions in LiF-LuF <sub>3</sub> -YF <sub>3</sub> solid-solution crystals. JETP Letters, 2010, 91, 21-23.	1.4	18
52	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
53	Intracavity losses investigation of LiCaAlF <sub>6</sub> :Ce <sup>3+</sup> +laser. , 2010, , .		1
54	High-resolution optical spectroscopy of Tm <sup>3+</sup> ions in KY <sub>3</sub> F <sub>7</sub> crystals. Journal of Experimental and Theoretical Physics, 2010, 110, 1029-1034.	3.2	31
	Crystal-field energies, hyperfine and def. Physical Review B, 2010, 81, .		

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55	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
56	Pump-probe experiments with Ce <sup>3+</sup> +Yb <sup>3+</sup> :KY <sub>3</sub> F <sub>10</sub> and Ce <sup>3+</sup> +Yb <sup>3+</sup> :CaF <sub>2</sub> crystals. , 2010, , .		2
57	Continuous wave diode pumped Yb:LLF and Yb:NYF lasers. Optics Communications, 2009, 282, 4404-4407.	2.1	10
58	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
59	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
60	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
61	Spectral characteristics of solid solutions LiY <sub>1-x</sub> Lu <sub>x</sub> F <sub>4</sub> doped by Ce <sup>3+</sup> ions. Physics of the Solid State, 2008, 50, 1648-1651.	0.6	15
62	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
63	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
64	Vacuum-ultraviolet <sup>5d</sup> fluorescence of Gd <sup>3+</sup> and Lu <sup>3+</sup> ions in fluoride matrices. Physical Review B, 2007, 75, .	3.2	56
65	Optical and gain properties of series of crystals LiFâ€“YF <sub>3</sub> â€“LuF <sub>3</sub> doped with Ce <sup>3+</sup> and Yb <sup>3+</sup> ions. Journal of Luminescence, 2007, 127, 71-75.	3.1	20
66	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
67	Optical studies of Pb <sup>2+</sup> ions in a LiBaF <sub>3</sub> crystal. Journal of Physics Condensed Matter, 2006, 18, 4985-4993.	1.8	13
68	The nonlinear Zeeman and parastriction effects in luminescence spectra of crystals. Journal of Luminescence, 2006, 117, 225-232.	3.1	8
69	Crossover effects in scheelite DyLiF <sub>4</sub> . Physics of the Solid State, 2006, 48, 726-735.	0.6	6
70	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
71	<title>Laser-related spectroscopy of KY<formula><inf><roman>3-x</roman></inf></formula>Yb<formula><inf><roman>x</roman></inf></formula>F<formula><inf><roman>3</roman></inf></formula> crystals</title>. , 2005, , .		
72	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

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73	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
74	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
75	Electron Paramagnetic Resonance in Mixed Crystals (BaF <sub>2</sub> ) <sub>1-x</sub> (LaF <sub>3</sub> ) <sub>x</sub> Activated by Ce <sup>3+</sup> Ions. Physics of the Solid State, 2005, 47, 1467.	0.6	1
76	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
77	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
78	EPR of Yb <sup>3+</sup> ions in Ba <sub>1-x</sub> La <sub>x</sub> F <sub>2+x</sub> mixed crystals. Applied Magnetic Resonance, 2005, 28, 41-53.	1.2	9
79	<title>Laser tests as a tool for studying photodynamic processes in UV active media</title>. , 2004, , .		1
80	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
81	A Ce: LiCAF UV laser pumped by an intracavity frequency-doubled radiation at 532 nm. , 2004, , .		0
82	<title>Spectral-kinetic and photochemical properties of Ce <sup>3+</sup> :Na <sup>4+</sup> Y <sup>6-x</sup> Yb <sup>1</sup> single crystals</title>. , 2004, , .		
83	The magnetoelastic contribution to thermal expansion of rare-earth metal scheelites RLiF <sub>4</sub> (R = Tb-Yb). Journal of Experimental and Theoretical Physics, 2003, 97, 279-289.	0.9	1
84	Photodynamic nonlinear processes in UV solid-state active media and approaches to improving material laser performance. , 2002, 4766, 119.		9
85	Magnetic field effects in optical and far IR spectra of LiTmF <sub>4</sub> crystals. , 2002, , .		2
86	Crystal field splitting of the 4f <sup>5</sup> d electronic configuration of Pr <sup>3+</sup> ions in wide band gap fluoride dielectric crystals. Optics Communications, 2002, 208, 345-358.	2.1	16
87	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
88	4f <sup>2</sup> to 4f <sup>5</sup> d excited state absorption in Pr <sup>3+</sup> -doped crystals. Optical Materials, 2001, 16, 233-242.	3.6	27
89	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
90	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

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91	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
92	On the 4f <sup>25</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
93	On the VUV and UV 4f <sup>7</sup> → 4f <sup>8</sup> interconfigurational transitions of Tb <sup>3+</sup> ions in LiLuF <sub>4</sub> single crystal hosts. Optics Communications, 1998, 156, 101-111.	2.1	16
94	Tunable Ultraviolet Short-Pulse Generation from a Ce:LiCAF Laser Amplifier System and Its Sum-Frequency Mixing with an Nd:YAG Laser. Japanese Journal of Applied Physics, 1998, 37, L36-L38.	1.5	13
95	All-solid-state injection-seeded tunable ultraviolet laser. Journal of Modern Optics, 1998, 45, 1993-1998.	1.3	8
96	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
97	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
98	Excited state absorption from the 5d states of Ce <sup>3+</sup> ions in LiCaAlF <sub>6</sub> crystals. , 1997, 3239, 240.		5
99	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
100	Ultraviolet short pulses from an all-solid-state Ce:LiCAF master-oscillator power-amplifier system. Optics Letters, 1997, 22, 994.	3.3	55
101	EPR of trivalent iron ions in a LiCaAlF <sub>6</sub> crystal. Physics of the Solid State, 1997, 39, 423-425.	0.6	3
102	EPR of Gd <sup>3+</sup> in single crystal colquirrite 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
103	14-mJ, 1-nsec, 289-nm pulses from an all-solid-state Ce:LiCAF master oscillator and power amplifier system. , 1997, , .		0
104	Ultraviolet picosecond pulses from an all-solid-state Ce:LiSAF master oscillator and Ce:LiCAF power amplifier system. , 1996, , .		0
105	Ultraviolet subnanosecond pulse train generation from an all-solid-state Ce:LiCAF laser. Applied Physics Letters, 1995, 67, 602-604.	3.3	28
106	Ce <sup>3+</sup> :LuLiF <sub>4</sub> as a broadband ultraviolet amplification medium. Optics Letters, 1995, 20, 294.	3.3	61
107	Direct and passive subnanosecond pulse-train generation from a self-injection-seeded ultraviolet solid-state laser. Optics Letters, 1995, 20, 599.	3.3	16
108	Vacuum-ultraviolet interconfigurational 4f <sup>23</sup> → 4f <sup>25</sup> d 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

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109	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
110	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
111	VUV and UV fluorescence and absorption studies of Nd <sup>3+</sup> and Ho <sup>3+</sup> ions in LiYF <sub>4</sub> single crystals. Optics Communications, 1994, 107, 104-110.	2.1	17
112	VUV and UV Fluorescence 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
113	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
114	EPR and optical spectroscopy of neodymium ions in KMgF <sub>3</sub> and KZnF <sub>3</sub> crystals. Applied Magnetic Resonance, 1993, 5, 377-385.	1.2	13
115	Ce <sup>3+</sup> -doped Colquiriite. Journal of Modern Optics, 1993, 40, 1-5.	1.3	171
116	On the interconfigurational 4f <sup>25</sup> d <sup>1</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
117	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
118	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
119	EPR and spin-lattice relaxation of rare-earth ions in LiLuF <sub>4</sub> monocrystals. Soviet Physics Journal (English Translation of Izvestiia Vysshikh Uchebnykh Zavedenii, Fizika), 1988, 31, 104-106.	0.0	1
120	Spin-lattice relaxation and polarization of nuclei in impurity RE <sup>3+</sup> -YLiF <sub>4</sub> single crystals. Soviet Physics Journal (English Translation of Izvestiia Vysshikh Uchebnykh Zavedenii, Fizika), 1978, 21, 1187-1191.	0.0	1
121	Optical Spectra, EPR, and Spin-Lattice Relaxation of Yb <sup>3+</sup> Ions in Crystals Having Perovskite-Type Structure. Physica Status Solidi (B): Basic Research, 1977, 81, 287-293.	1.5	17