

# Sergei Kuznetsov

## List of Publications by Citations

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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.

142 papers	1,737 citations	22 h-index	36 g-index
174 ext. papers	2,013 ext. citations	2.1 avg, IF	4.68 L-index

#	Paper	IF	Citations
142	Nanofluorides. <i>Journal of Fluorine Chemistry</i> , <b>2011</b> , 132, 1012-1039	2.1	193
141	Efficient laser based on CaF(2)-SrF(2)-YbF(3) nanoceramics. <i>Optics Letters</i> , <b>2008</b> , 33, 521-3	3	103
140	CaF2:Yb laser ceramics. <i>Optical Materials</i> , <b>2013</b> , 35, 444-450	3.3	78
139	Inorganic nanofluorides and related nanocomposites. <i>Russian Chemical Reviews</i> , <b>2006</b> , 75, 1065-1082	6.8	70
138	Co-precipitation of yttrium and barium fluorides from aqueous solutions. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 1794-1799	5.1	54
137	Thermal conductivity of single crystals of Ca <sub>1-x</sub> Yb <sub>x</sub> F <sub>2+x</sub> solid solutions. <i>Doklady Physics</i> , <b>2008</b> , 53, 198-200	0.8	45
136	Coprecipitation from aqueous solutions to prepare binary fluorides. <i>Russian Journal of Inorganic Chemistry</i> , <b>2011</b> , 56, 1525-1531	1.5	40
135	Up-conversion quantum yields of SrF2:Yb3+,Er3+ sub-micron particles prepared by precipitation from aqueous solution. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 598-604	7.1	38
134	Synthesis of SrF2-xF3 nanopowders by co-precipitation from aqueous solutions. <i>Mendeleev Communications</i> , <b>2014</b> , 24, 360-362	1.9	34
133	Efficient lasing in diode-pumped Yb3+:CaF2-xF2 solid-solution single crystals. <i>Quantum Electronics</i> , <b>2007</b> , 37, 934-937	1.8	34
132	Morphological stability of solid-liquid interface during melt crystallization of M <sub>1-x</sub> R <sub>x</sub> F <sub>2+x</sub> solid solutions. <i>Inorganic Materials</i> , <b>2008</b> , 44, 1434-1458	0.9	33
131	Continuously tunable cw lasing near 2.75 $\mu$ m in diode-pumped Er3+: SrF2 and Er3+: CaF2 crystals. <i>Quantum Electronics</i> , <b>2006</b> , 36, 591-594	1.8	33
130	Upconversion properties of SrF2:Yb3+,Er3+ single crystals. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 4093-4103	7.4	130
129	Crystal Growth and Phase Equilibria in the BaB2O4-NaF System. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 4060-4063	4.9	28
128	Diamond-EuF3 nanocomposites with bright orange photoluminescence. <i>Diamond and Related Materials</i> , <b>2017</b> , 72, 47-52	3.5	26
127	Phase formation in LaF3-NaGdF4, NaGdF4-NaLuF4, and NaLuF4-NaYF4 systems: Synthesis of powders by co-precipitation from aqueous solutions. <i>Journal of Fluorine Chemistry</i> , <b>2014</b> , 161, 95-101	2.1	26
126	Synthesis of Ba4R3F17 (R stands for rare-earth elements) powders and transparent compacts on their base. <i>Russian Journal of Inorganic Chemistry</i> , <b>2010</b> , 55, 484-493	1.5	26

125	Preparation of MgO nanoparticles. <i>Inorganic Materials</i> , <b>2007</b> , 43, 502-504	0.9	26
124	White light luminophores based on Yb <sup>3+</sup> /Er <sup>3+</sup> /Tm <sup>3+</sup> -coactivated strontium fluoride powders. <i>Materials Chemistry and Physics</i> , <b>2014</b> , 148, 201-207	4.4	25
123	Progress in fluoride laser ceramics. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2013</b> , 10, 952-957		24
122	Preparation of nanopowdered M <sub>1-x</sub> R <sub>x</sub> F <sub>2+x</sub> (M = Ca, Sr, Ba; R = Ce, Nd, Er, Yb) Solid Solutions. <i>Russian Journal of Inorganic Chemistry</i> , <b>2007</b> , 52, 315-320	1.5	24
121	New Sr <sub>1-x</sub> R <sub>x</sub> (NH <sub>4</sub> ) <sub>2</sub> F <sub>2+x</sub> (R = Yb, Er) solid solution as precursor for high efficiency up-conversion luminophor and optical ceramics on the base of strontium fluoride. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 172, 150-157	4.4	22
120	Soft chemical synthesis of NaYF <sub>4</sub> nanopowders. <i>Russian Journal of Inorganic Chemistry</i> , <b>2008</b> , 53, 1681-1685		22
119	Thermal conductivity of single crystals of Sr <sub>1-x</sub> Yb <sub>x</sub> F <sub>2+x</sub> solid solution. <i>Doklady Physics</i> , <b>2008</b> , 53, 413-415	0.8	20
118	The Melt of Sodium Nitrate as a Medium for the Synthesis of Fluorides. <i>Inorganics</i> , <b>2018</b> , 6, 38	2.9	19
117	Efficient visible range SrF <sub>2</sub> :Yb:Er- and SrF <sub>2</sub> :Yb:Tm-based up-conversion luminophores. <i>Journal of Fluorine Chemistry</i> , <b>2017</b> , 194, 16-22	2.1	17
116	Thermal conductivity of single crystals of Ba <sub>1-x</sub> Yb <sub>x</sub> F <sub>2+x</sub> solid solution. <i>Doklady Physics</i> , <b>2008</b> , 53, 353-355	0.8	17
115	Influence of the ceramic powder morphology and forming conditions on the optical transmittance of YAG:Yb ceramics. <i>Ceramics International</i> , <b>2019</b> , 45, 4418-4423	5.1	17
114	Upconversion luminescence of Ca <sub>1-x</sub> HoxF <sub>2+x</sub> and Sr <sub>0.98-x</sub> Er <sub>0.02</sub> HoxF <sub>2.02+x</sub> powders upon excitation by an infrared laser. <i>Laser Physics Letters</i> , <b>2017</b> , 14, 076003	1.5	16
113	Synthesis and luminescence studies of CaF <sub>2</sub> :Yb:Pr solid solutions powders for photonics. <i>Journal of Fluorine Chemistry</i> , <b>2018</b> , 211, 70-75	2.1	16
112	Simultaneous Measurement of the Emission Quantum Yield and Local Temperature: The Illustrative Example of SrF <sub>2</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> Single Crystals. <i>European Journal of Inorganic Chemistry</i> , <b>2020</b> , 2020, 1555-1561	2.3	15
111	Absorption and luminescence spectra of CeF <sub>3</sub> -doped BaF <sub>2</sub> single crystals and nanoceramics. <i>Inorganic Materials</i> , <b>2016</b> , 52, 213-217	0.9	14
110	Infrared-to-visible upconversion luminescence in SrF <sub>2</sub> :Er powders upon excitation of the 4I <sub>13/2</sub> level. <i>Optical Materials Express</i> , <b>2018</b> , 8, 1863	2.6	14
109	Nucleation and growth of fluoride crystals by agglomeration of the nanoparticles. <i>Journal of Crystal Growth</i> , <b>2014</b> , 401, 63-66	1.6	14
108	Nanostructure of optical fluoride ceramics. <i>Inorganic Materials: Applied Research</i> , <b>2011</b> , 2, 97-103	0.6	14

- <sup>107</sup> Diamond-Bare Earth Composites with Embedded NaGdF<sub>4</sub>:Eu Nanoparticles as Robust Photo- and X-ray-Luminescent Materials for Radiation Monitoring Screens. *ACS Applied Nano Materials*, **2020**, 3, 1324-1331<sup>5,6,13</sup>
- <sup>106</sup> Upconversion microparticles as time-resolved luminescent probes for multiphoton microscopy: desired signal extraction from the streaking effect. *Journal of Biomedical Optics*, **2016**, 21, 96002 3.5 13
- <sup>105</sup> Preparation and properties of methylcellulose/nanocellulose/BaF<sub>2</sub>:B polymer-inorganic composite films for two-micron radiation visualizers. *Journal of Fluorine Chemistry*, **2017**, 202, 9-18 2.1 13
- <sup>104</sup> Coprecipitation of barium-bismuth fluorides from aqueous solutions: Nanochemical effects. *Nanotechnologies in Russia*, **2011**, 6, 203-210 0.6 13
- <sup>103</sup> Optical lithium fluoride ceramics. *Doklady Physics*, **2007**, 52, 677-680 0.8 13
- <sup>102</sup> Low-temperature phase formation in the BaF<sub>2</sub>-CeF<sub>3</sub> system. *Journal of Fluorine Chemistry*, **2016**, 187, 33-39 2.1 13
- <sup>101</sup> Preparation of nanodispersed fluorite-type Sr<sub>1-x</sub>R<sub>x</sub>F<sub>2+x</sub> (R=Er, Yb, Ho) phases from citrate solutions. *Journal of Fluorine Chemistry*, **2017**, 194, 8-15 2.1 12
- <sup>100</sup> An up-conversion luminophore with high quantum yield and brightness based on BaF<sub>2</sub>:Yb<sup>3+</sup>,Er<sup>3+</sup> single crystals. *Journal of Materials Chemistry C*, **2021**, 9, 3493-3503 7.1 12
- <sup>99</sup> Pulsed periodic laser excitation of upconversion luminescence for deep biotissue visualization. *Laser Physics*, **2016**, 26, 084001 1.2 11
- <sup>98</sup> Synthesis of ultrafine fluorite Sr<sub>1-x</sub>Nd<sub>x</sub>F<sub>2+x</sub> powders. *Inorganic Materials*, **2012**, 48, 531-538 0.9 11
- <sup>97</sup> Thermal conductivity of FeS<sub>2</sub> pyrite crystals in the temperature range 50-300 K. *Crystallography Reports*, **2013**, 58, 319-321 0.6 11
- <sup>96</sup> Fluoride laser nanoceramics. *Journal of Physics: Conference Series*, **2012**, 345, 012017 0.3 11
- <sup>95</sup> Spectral-kinetic characteristics of crystals and nanoceramics based on BaF<sub>2</sub> and BaF<sub>2</sub>:Ce. *Physics of the Solid State*, **2010**, 52, 1910-1914 0.8 11
- <sup>94</sup> Estimation of Sc<sup>3+</sup> solubility in dodecahedral and octahedral sites in Y<sub>3</sub>Al<sub>5</sub>Ga<sub>2</sub>Si<sub>8</sub>O<sub>22</sub>:Yb. *Journal of the American Ceramic Society*, **2019**, 102, 4862-4873 3.8 11
- <sup>93</sup> Luminescent thermometry based on Ba<sub>4</sub>Y<sub>3</sub>F<sub>17</sub>:Pr<sup>3+</sup> and Ba<sub>4</sub>Y<sub>3</sub>F<sub>17</sub>:Pr<sup>3+</sup>,Yb<sup>3+</sup> nanoparticles. *Ceramics International*, **2020**, 46, 11658-11666 5.1 10
- <sup>92</sup> Optical absorption in CaF<sub>2</sub> nanoceramics. *Quantum Electronics*, **2009**, 39, 943-947 1.8 10
- <sup>91</sup> Phase diagram of the NaF-CaF<sub>2</sub> system and the electrical conductivity of a CaF<sub>2</sub>-based solid solution. *Russian Journal of Inorganic Chemistry*, **2016**, 61, 1472-1478 1.5 10
- <sup>90</sup> Temperature-related changes in the structure of Y<sub>3</sub>Al<sub>5</sub>Ga<sub>2</sub>Si<sub>8</sub>O<sub>22</sub>:Yb garnet solid solutions with high Sc concentration. *Journal of the European Ceramic Society*, **2019**, 39, 4946-4956 6 9

89	Phase equilibria in the Ba <sub>2</sub> Na <sub>3</sub> [B <sub>3</sub> O <sub>6</sub> ]2F-BaF <sub>2</sub> system. <i>Crystallography Reports</i> , <b>2010</b> , 55, 877-881	0.6	9
88	The effect of multiwalled carbon nanotube dimensions on the morphology, mechanical, and electrical properties of melt mixed polypropylene-based composites. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 117, NA-NA	2.9	9
87	Synthesis of scandium orthoborate powders. <i>Inorganic Materials</i> , <b>2006</b> , 42, 171-175	0.9	9
86	Mechanisms and absolute quantum yield of upconversion luminescence of fluoride phosphors. <i>Chinese Optics Letters</i> , <b>2018</b> , 16, 091901	2.2	9
85	Microstructure and scintillation characteristics of BaF <sub>2</sub> ceramics. <i>Inorganic Materials</i> , <b>2014</b> , 50, 738-744	0.9	8
84	Synthesis and luminescent characteristics of submicron powders on the basis of sodium and yttrium fluorides doped with rare earth elements. <i>Nanotechnologies in Russia</i> , <b>2012</b> , 7, 615-628	0.6	8
83	Composite up-conversion luminescent films containing a nanocellulose and SrF <sub>2</sub> :Ho particles. <i>Cellulose</i> , <b>2019</b> , 26, 2403-2423	5.5	8
82	Effect of the pH on the formation of NaYF <sub>4</sub> :Yb:Er nanopowders by co-crystallization in presence of polyethyleneimine. <i>Journal of Fluorine Chemistry</i> , <b>2014</b> , 158, 60-64	2.1	7
81	Di- and trivalent ytterbium distributions along a melt-grown CaF <sub>2</sub> crystal. <i>Inorganic Materials</i> , <b>2014</b> , 50, 733-737	0.9	7
80	A study of the transport of thermal acoustic phonons in CaF <sub>2</sub> single crystals and ceramics within the subterahertz frequency range. <i>Doklady Physics</i> , <b>2009</b> , 54, 14-17	0.8	7
79	Yttrium oxide nanopowders from carbonate precursors. <i>Russian Journal of Inorganic Chemistry</i> , <b>2010</b> , 55, 821-827	1.5	7
78	The scandium impact on the sintering of YSAG:Yb ceramics with high optical transmittance. <i>Ceramics International</i> , <b>2021</b> , 47, 1772-1784	5.1	7
77	Elaboration of Nanofluorides and Ceramics for Optical and Laser Applications <b>2016</b> , 7-31		6
76	Phase Equilibria in LiYF <sub>4</sub> -LiLuF <sub>4</sub> System and Heat Conductivity of LiY <sub>1-x</sub> Lu <sub>x</sub> F <sub>4</sub> Single Crystals. <i>Russian Journal of Inorganic Chemistry</i> , <b>2018</b> , 63, 433-438	1.5	6
75	Soft chemistry synthesis of powders in the BaF <sub>2</sub> -ScF <sub>3</sub> system. <i>Russian Journal of Inorganic Chemistry</i> , <b>2014</b> , 59, 773-777	1.5	6
74	Synthesis of MgAl <sub>2</sub> O <sub>4</sub> nanopowders. <i>Inorganic Materials</i> , <b>2011</b> , 47, 895-898	0.9	6
73	Harvesting Sub-bandgap Photons via Upconversion for Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 54874-54883	9.5	6
72	Monoclinic zinc monotungstate Yb <sup>3+</sup> ,Li <sup>+</sup> :ZnWO <sub>4</sub> : Part I. Czochralski growth, structure refinement and Raman spectra. <i>Journal of Luminescence</i> , <b>2020</b> , 228, 117601	3.8	6

71	Optical Fluoride Nanoceramics. <i>Inorganic Materials</i> , <b>2021</b> , 57, 555-578	0.9	6
70	Synthesis of Calcium Fluoride Nanoparticles in a Microreactor with Intensely Swirling Flows. <i>Russian Journal of Inorganic Chemistry</i> , <b>2021</b> , 66, 1047-1052	1.5	6
69	Diamond composite with embedded YAG:Ce nanoparticles as a source of fast X-ray luminescence in the visible and near-IR range. <i>Carbon</i> , <b>2021</b> , 174, 52-58	10.4	6
68	Upconversion Luminescence of Fluoride Phosphors SrF <sub>2</sub> :Er,Yb under Laser Excitation at 1.5 $\mu$ m. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , <b>2018</b> , 125, 537-542	0.7	6
67	Optimization of upconversion luminescence excitation mode for deeper in vivo bioimaging without contrast loss or overheating. <i>Methods and Applications in Fluorescence</i> , <b>2020</b> , 8, 025006	3.1	5
66	ErNaYF <sub>4</sub> :Yb:Er@AlPc(C <sub>2</sub> O <sub>3</sub> ) <sub>4</sub> -Based efficient up-conversion luminophores capable to generate singlet oxygen under IR excitation. <i>Journal of Fluorine Chemistry</i> , <b>2016</b> , 182, 104-108	2.1	5
65	Synthesis and Luminescence Characteristics of LaF <sub>3</sub> :Yb:Er Powders Produced by Coprecipitation from Aqueous Solutions. <i>Russian Journal of Inorganic Chemistry</i> , <b>2018</b> , 63, 293-302	1.5	5
64	Down-conversion luminescence of Ce-Yb ions in YF <sub>3</sub> . <i>Optical Materials</i> , <b>2019</b> , 95, 109256	3.3	5
63	Synthesis and characterization of fluoride xerogels. <i>Inorganic Materials</i> , <b>2013</b> , 49, 1152-1156	0.9	5
62	Evolution of yttria nanoparticle ensembles. <i>Nanotechnologies in Russia</i> , <b>2010</b> , 5, 624-634	0.6	5
61	Synthesis of yttrium orthoborate powders. <i>Russian Journal of Inorganic Chemistry</i> , <b>2007</b> , 52, 829-834	1.5	5
60	Indium iodide single crystal: breakthrough material for infrared acousto-optics. <i>Optics Letters</i> , <b>2020</b> , 45, 3435-3438	3	5
59	Down-conversion luminescence of Yb <sup>3+</sup> in novel Ba <sub>4</sub> Y <sub>3</sub> F <sub>17</sub> :Yb:Ce solid solution by excitation of Ce <sup>3+</sup> in UV spectral range. <i>Optical Materials</i> , <b>2020</b> , 108, 110185	3.3	5
58	Synthesis and down-conversion luminescence investigation of CaF <sub>2</sub> :Yb:Ce powders for photonics. <i>Journal of Fluorine Chemistry</i> , <b>2019</b> , 222-223, 46-50	2.1	4
57	Temperature Sensing in the Short-Wave Infrared Spectral Region Using Core-Shell NaGdF <sub>4</sub> :Yb, Ho, Er@NaYF <sub>4</sub> Nanothermometers. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	4
56	Indium monoiodide: Preparation and deep purification. <i>Russian Journal of Inorganic Chemistry</i> , <b>2015</b> , 60, 1333-1336	1.5	4
55	Phase equilibria in the BaB <sub>2</sub> O <sub>4</sub> -NaF system. <i>Inorganic Materials</i> , <b>2010</b> , 46, 70-73	0.9	4
54	A study of the structure and scattering mechanisms of subterahertz phonons in lithium fluoride single crystals and optical ceramics. <i>Journal of Experimental and Theoretical Physics</i> , <b>2010</b> , 110, 983-988	1	4

53	Growth of bulk $\text{BaB}_2\text{O}_4$ crystals of high optical quality in the $\text{BaB}_2\text{O}_4\text{-NaBaBO}_3$ system. <i>Inorganic Materials</i> , <b>2005</b> , 41, 60-64	0.9	4
52	Specific features of the lattice dynamics of $\text{Ca}_x\text{Sr}_{1-x}\text{F}_2$ solid solutions. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 240, 122247	4.4	4
51	Morphological Stability of the Solid-Liquid Interface during Melt Crystallization of $\text{Ca}_{1-x}\text{Sr}_x\text{F}_2$ Solid Solution. <i>Crystallography Reports</i> , <b>2018</b> , 63, 837-843	0.6	4
50	Low-temperature phase formation in $\text{CaF}_2\text{-HoF}_3$ system. <i>Russian Journal of Inorganic Chemistry</i> , <b>2017</b> , 62, 1173-1176	1.5	3
49	Single-crystalline $\text{InI}_3$ Material for infrared optics. <i>Doklady Physics</i> , <b>2016</b> , 61, 261-265	0.8	3
48	Irradiation behavior of ytterbium-doped calcium fluoride crystals and ceramics. <i>Inorganic Materials</i> , <b>2016</b> , 52, 842-850	0.9	3
47	Luminescence of $\text{GdF}_3\text{:Pr:Yb}$ and $\text{YF}_3\text{:Pr:Yb}$ Solid Solutions Synthesized by Crystallization from the Melt. <i>Journal of Applied Spectroscopy</i> , <b>2019</b> , 86, 795-801	0.7	3
46	Phase equilibria in systems of gallium sulfate with lithium or sodium sulfate. <i>Russian Journal of Inorganic Chemistry</i> , <b>2017</b> , 62, 1508-1513	1.5	3
45	Spectroscopic and Oscillation Properties of $\text{Yb}^{3+}$ ions in $\text{BaF}_2\text{-SrF}_2\text{-CaF}_2$ Crystals and Ceramics. <b>2009</b> ,		3
44	Hydration of Strontium Chloride and Rare-Earth Element Oxychlorides. <i>Russian Journal of Applied Chemistry</i> , <b>2005</b> , 78, 1035-1037	0.8	3
43	Synthesis and quantum yield investigations of the $\text{Sr}(1-x-y)\text{Pr}(x)\text{Yb}(y)\text{F}(2+x+y)$ luminophores for photonics. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , <b>2018</b> , 663-668	1.8	3
42	Hydrophobic up-conversion carboxylated nanocellulose/fluoride phosphor composite films modified with alkyl ketene dimer. <i>Carbohydrate Polymers</i> , <b>2020</b> , 250, 116866	10.3	3
41	X-ray luminescence of diamond composite films containing yttrium-aluminum garnet nanoparticles with varied composition of $\text{Sc}^{3+}$ doping. <i>Ceramics International</i> , <b>2021</b> , 47, 13922-13926	5.1	3
40	Upconversion luminescence of $\text{CaF}_2\text{-SrF}_2\text{-ErF}_3$ single crystals upon 1.5 $\mu\text{m}$ laser excitation. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1410, 012086	0.3	3
39	Influence of $\text{Yb}^{3+}$ ratio on phase formation and spectroscopic properties of $\text{NaGd}_{0.8-x}\text{Y}_x\text{Yb}_{0.17}\text{Er}_{0.03}\text{F}_4$ solid solutions. <i>Laser Physics Letters</i> , <b>2019</b> , 16, 035604	1.5	2
38	Study of $\text{Yb}^{3+}$ Optical Centers in Fluoride Solid Solution Crystals $\text{CaF}_2\text{-SrF}_2\text{-YbF}_3$ . <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , <b>2020</b> , 128, 600-604	0.7	2
37	Phase diagram of the $\text{Li}_2\text{SO}_4\text{-Na}_2\text{SO}_4$ system. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 3390-3400	3.8	2
36	$\text{CaF}_2\text{-LaF}_3\text{-PrF}_3$ solid solutions - new promising visible range laser media <b>2018</b> ,		2

35	2020, 22,		2
34	Synthesis of CaF <sub>2</sub> /F <sub>3</sub> nanopowders by coprecipitation from aqueous solutions. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , <b>2017</b> , 462-470	1.8	2
33	Algorithm for calculation of up-conversion luminophores mixtures chromaticity coordinates. <i>Journal of Fluorine Chemistry</i> , <b>2020</b> , 237, 109607	2.1	2
32	Thermophysical Properties of Single Crystals of CaF <sub>2</sub> BrF <sub>2</sub> F <sub>3</sub> (R = Ho, Pr) Fluorite Solid Solutions. <i>Inorganic Materials</i> , <b>2020</b> , 56, 975-981	0.9	2
31	Thermal Conductivity of Sr <sub>1-x</sub> Ba <sub>x</sub> F <sub>2</sub> Single Crystals. <i>Inorganic Materials</i> , <b>2021</b> , 57, 629-633	0.9	2
30	Thermal expansion of InI crystal. <i>Doklady Physics</i> , <b>2016</b> , 61, 374-376	0.8	2
29	Mesostructure of yttrium and aluminum basic salts coprecipitated from aqueous solutions under ultrasonic treatment. <i>Journal of Surface Investigation</i> , <b>2016</b> , 10, 177-186	0.5	1
28	Influence of cellular substructure on the thermal conductivity of heterovalent solid solutions of fluorides. <i>Crystallography Reports</i> , <b>2014</b> , 59, 98-100	0.6	1
27	Acousto-optic interaction in an InI single crystal. <i>Doklady Physics</i> , <b>2017</b> , 62, 407-410	0.8	1
26	Cerium-doped gadolinium-scandium-aluminum garnet powders: synthesis and use in X-ray luminescent diamond composites. <i>Ceramics International</i> , <b>2022</b> ,	5.1	1
25	Preparation and Laser Oscillation of Optical Ceramics Based on LiF:F <sub>2</sub> Color Center Crystals and CaF <sub>2</sub> -SrF <sub>2</sub> -YbF <sub>3</sub> crystals <b>2008</b> ,		1
24	SYNTHESIS OF GALLIUM SULFATE. <i>Fine Chemical Technologies</i> , <b>2017</b> , 12, 52-57	0.5	1
23	Synthesis of YSAG:Er ceramics and the study of the scandium impact in the dodecahedral and octahedral garnet sites on the Er <sup>3+</sup> energy structure. <i>Journal of Luminescence</i> , <b>2022</b> , 241, 118539	3.8	1
22	Determining the Photophysical Parameters of NaGdF <sub>4</sub> :Eu Solid Solutions in Suspensions Using the Judd-Ofelt Theory. <i>JETP Letters</i> , <b>2020</b> , 111, 525-531	1.2	1
21	Luminescence of Ba <sub>1-x</sub> La <sub>x</sub> F <sub>2</sub> + x : Ce <sup>3+</sup> crystals. <i>Doklady Physics</i> , <b>2016</b> , 61, 50-54	0.8	1
20	Prospective visible laser active media based on disordered fluorite-type structure crystals. <i>EPJ Web of Conferences</i> , <b>2019</b> , 220, 03024	0.3	1
19	The influence of the Sc dopant on the transmittance of (Y, Er)AlO ceramics. <i>Dalton Transactions</i> , <b>2021</b> , 50, 14252-14256	4.3	1
18	Surface Photoluminescence of Oxidized Nanodiamonds: Influence of Environment pH. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 18247-18258	3.8	1

17	Assessment of Cs <sub>2</sub> HfCl <sub>6</sub> crystal applicability as low-temperature scintillating bolometers by their thermodynamic characteristics. <i>Journal of Materials Chemistry C</i> , <b>2022</b> , 10, 5218-5229	7.1	1
16	Luminescent diamond composites. <i>Functional Diamond</i> , <b>2022</b> , 2, 53-63		1
15	Sintering and microstructure evolution of Er <sub>1.5</sub> Y <sub>1.5-x</sub> Sc <sub>x</sub> yAl <sub>5-y</sub> O <sub>12</sub> garnet ceramics with scandium in dodecahedral and octahedral sites. <i>Journal of the European Ceramic Society</i> , <b>2022</b> , 42, 2464-2477	6	0
14	Comment on the paper "Thermodynamic evaluation and optimization of the (NaNO <sub>3</sub> +KNO <sub>3</sub> +Na <sub>2</sub> SO <sub>4</sub> +K <sub>2</sub> SO <sub>4</sub> ) system" by Ch. Robelin, P. Chartrand, A.D. Pelton, published in J. Chem. Therm. 83 (2015) 1206. <i>Journal of Chemical Thermodynamics</i> , <b>2020</b> , 149, 106178	2.9	0
13	Cultivation of Solanum lycopersicum under Glass Coated with Nanosized Upconversion Luminophore. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 10726	2.6	0
12	Laser damage threshold of hydrophobic up-conversion carboxylated nanocellulose/SrF <sub>2</sub> :Ho composite films functionalized with 3-aminopropyltriethoxysilane. <i>Cellulose</i> , 1	5.5	0
11	Simultaneous Measurement of the Emission Quantum Yield and Local Temperature: The Illustrative Example of SrF <sub>2</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> Single Crystals. <i>European Journal of Inorganic Chemistry</i> , <b>2020</b> , 2020, 1540-1540	2.3	0
10	Synthesis and Luminescence of Sr <sub>1-x</sub> Yb <sub>x</sub> Eu <sub>y</sub> F <sub>2+x+y</sub> Solid Solutions for Photonics. <i>Inorganic Materials</i> , <b>2019</b> , 55, 1031-1038	0.9	
9	Structure of Sn-rich Sn <sub>1-x</sub> melts. <i>Inorganic Materials</i> , <b>2005</b> , 41, 60-64	0.9	
8	Study of energy transfer processes between rare earth ions and photosensitizer molecules for photodynamic therapy with IR-excitation. <i>Biomedical Photonics</i> , <b>2022</b> , 10, 23-34	0.6	
7	Achieving high NIR-to-NIR conversion efficiency by optimization of Tm <sup>3+</sup> content in Na(Gd,Yb)F <sub>4</sub> : Tm upconversion luminophores. <i>Laser Physics Letters</i> , <b>2020</b> , 17, 125701	1.5	
6	Nanocomposites of Cellulose with Up-Conversion Phosphors for Photonics: Synthesis, Structure, Optical Properties. <i>Vestnik RFFI</i> , <b>2019</b> , 59-77	0.1	
5	 Proceedings of the Academy of Sciences, <b>2017</b> , 276	0.5	
4	Tunable upconversion luminescence of SrF <sub>2</sub> : Er,Tm phosphors. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1410, 012121	0.3	
3	Effect of Structural Perfection of Crystalline NaYF <sub>4</sub> :Yb,Er Phosphor Powders on the Efficiency of Their Upconversion Luminescence. <i>Inorganic Materials</i> , <b>2022</b> , 58, 90-96	0.9	
2	Long-wavelength optical properties of the Ca <sub>0.33</sub> Sr <sub>0.33</sub> Ba <sub>0.33</sub> F <sub>2</sub> solid solution single crystals. <i>Optical Materials</i> , <b>2022</b> , 127, 112267	3.3	
1	Synthesis of single-phase Sr Ba F solid solutions by coprecipitation from aqueous solutions. <i>Solid State Sciences</i> , <b>2022</b> , 106932	3.4	