Sergei Kuznetsov

List of Publications by Year
in descending order

171	2,391	236912 25	289230 40
papers	citations	h-index	g-index

174	174	174	1444
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanofluorides. Journal of Fluorine Chemistry, 2011, 132, 1012-1039.	1.7	208
2	Efficient laser based on CaF_2-SrF_2-YbF_3 nanoceramics. Optics Letters, 2008, 33, 521.	3.3	120
3	CaF2:Yb laser ceramics. Optical Materials, 2013, 35, 444-450.	3.6	93
4	Inorganic nanofluorides and related nanocomposites. Russian Chemical Reviews, 2006, 75, 1065-1082.	6.5	76
5	Up-conversion quantum yields of SrF₂:Yb³⁺,Er³⁺ sub-micron particles prepared by precipitation from aqueous solution. Journal of Materials Chemistry C, 2018, 6, 598-604.	5.5	61
6	Upconversion properties of SrF₂:Yb³⁺,Er³⁺ single crystals. Journal of Materials Chemistry C, 2020, 8, 4093-4101.	5.5	58
7	Co-precipitation of yttrium and barium fluorides from aqueous solutions. Materials Research Bulletin, 2012, 47, 1794-1799.	5.2	57
8	Continuously tunable cw lasing near 2.75 Î¼m in diode-pumped Er3+: SrF2and Er3+: CaF2crystals. Quantum Electronics, 2006, 36, 591-594.	1.0	49
9	Thermal conductivity of single crystals of Ca1 â^' x Yb x F2 + x solid solutions. Doklady Physics, 2008, 53, 198-200.	0.7	48
10	Morphological stability of solid-liquid interface during melt crystallization of M 1â^'x R x F2+x solid solutions. Inorganic Materials, 2008, 44, 1434-1458.	0.8	47
11	Efficient lasing in diode-pumped Yb³⁺:CaF₂â€“SrF₂solid-solution single crystals. Quantum Electronics, 2007, 37, 934-937.	1.0	43
12	Coprecipitation from aqueous solutions to prepare binary fluorides. Russian Journal of Inorganic Chemistry, 2011, 56, 1525-1531.	1.3	43
13	Synthesis of Ba4R3F17 (R stands for rare-earth elements) powders and transparent compacts on their base. Russian Journal of Inorganic Chemistry, 2010, 55, 484-493.	1.3	35
14	Synthesis of SrF2â€“YF3 nanopowders by co-precipitation from aqueous solutions. Mendeleev Communications, 2014, 24, 360-362.	1.6	35
15	An up-conversion luminophore with high quantum yield and brightness based on BaF₂:Yb³⁺,Er³⁺ single crystals. Journal of Materials Chemistry C, 2021, 9, 3493-3503.	5.5	34
16	The effect of multiwalled carbon nanotube dimensions on the morphology, mechanical, and electrical properties of melt mixed polypropyleneâ€based composites. Journal of Applied Polymer Science, 2010, 117, 259-272.	2.6	33
17	Diamond-EuF 3 nanocomposites with bright orange photoluminescence. Diamond and Related Materials, 2017, 72, 47-52.	3.9	33
18	Crystal Growth and Phase Equilibria in the BaB2O4â^'NaF System. Crystal Growth and Design, 2009, 9, 4060-4063.	3.0	32

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19	Preparation of MgO nanoparticles. Inorganic Materials, 2007, 43, 502-504.	0.8	31
20	Progress in fluoride laser ceramics. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 952-957.	0.8	30
21	White light luminophores based on Yb3+/Er3+/Tm3+-coactivated strontium fluoride powders. Materials Chemistry and Physics, 2014, 148, 201-207.	4.0	29
22	Phase formation in LaF3â€“NaGdF4, NaGdF4â€“NaLuF4, and NaLuF4â€“NaYF4 systems: Synthesis of powders by co-precipitation from aqueous solutions. Journal of Fluorine Chemistry, 2014, 161, 95-101.	1.7	27
23	Influence of the ceramic powder morphology and forming conditions on the optical transmittance of YAG:Yb ceramics. Ceramics International, 2019, 45, 4418-4423.	4.8	27
24	Preparation of nanopowdered M1â^'x R x F2+x (M = Ca, Sr, Ba; R = Ce, Nd, Er, Yb) Solid Solutions. Russian Journal of Inorganic Chemistry, 2007, 52, 315-320.	1.3	26
25	New Sr1â^'xâ^'zRx(NH4)zF2+xâ^'z (RÂ=ÂYb, Er) solid solution as precursor for high efficiency up-conversion luminophor and optical ceramics on the base of strontium fluoride. Materials Chemistry and Physics, 2016, 172, 150-157.	4.0	26
26	Soft chemical synthesis of NaYF4 nanopowders. Russian Journal of Inorganic Chemistry, 2008, 53, 1681-1685.	1.3	25
27	The Melt of Sodium Nitrate as a Medium for the Synthesis of Fluorides. Inorganics, 2018, 6, 38.	2.7	25
28	Estimation of Sc³⁺ solubility in dodecahedral and octahedral sites in YSAG:Yb. Journal of the American Ceramic Society, 2019, 102, 4862-4873.	3.8	25
29	Harvesting Sub-bandgap Photons via Upconversion for Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 54874-54883.	8.0	24
30	Thermal conductivity of single crystals of Sr1 â^' x Yb x F2 + x solid solution. Doklady Physics, 2008, 53, 413-415.	0.7	23
31	Optical Fluoride Nanoceramics. Inorganic Materials, 2021, 57, 555-578.	0.8	23
32	Luminescent thermometry based on Ba4Y3F17:Pr3+ and Ba4Y3F17:Pr3+,Yb3+ nanoparticles. Ceramics International, 2020, 46, 11658-11666.	4.8	22
33	Thermal conductivity of single crystals of Ba1 â^' x Yb x F2 + x solid solution. Doklady Physics, 2008, 53, 353-355.	0.7	21
34	Synthesis and luminescence studies of CaF2:Yb:Pr solid solutions powders for photonics. Journal of Fluorine Chemistry, 2018, 211, 70-75.	1.7	21
35	Diamondâ€“Rare Earth Composites with Embedded NaGdF₄:Eu Nanoparticles as Robust Photo- and X-ray-Luminescent Materials for Radiation Monitoring Screens. ACS Applied Nano Materials, 2020, 3, 1324-1331.	5.0	20
36	The scandium impact on the sintering of YSAG:Yb ceramics with high optical transmittance. Ceramics International, 2021, 47, 1772-1784.	4.8	20

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37	Efficient visible range SrF2:Yb:Er- and SrF2:Yb:Tm-based up-conversion luminophores. Journal of Fluorine Chemistry, 2017, 194, 16-22.	1.7	19
38	Simultaneous Measurement of the Emission Quantum Yield and Local Temperature: The Illustrative Example of SrF 2 :Yb 3+ /Er 3+ Single Crystals. European Journal of Inorganic Chemistry, 2020, 2020, 1555-1561.	2.0	19
39	Upconversion luminescence of Ca_{1â^'x}Ho_xF_{2+x}and Sr_{0.98â^'x}Er_{0.02}Ho_xF_{2.02+x}powders upon excitation by an infrared laser. Laser Physics Letters, 2017, 14, 076003.	1.4	18
40	Infrared-to-visible upconversion luminescence in SrF₂:Er powders upon excitation of the ⁴I_{13/2} level. Optical Materials Express, 2018, 8, 1863.	3.0	17
41	Temperature-related changes in the structure of YSAG:Yb garnet solid solutions with high Sc concentration. Journal of the European Ceramic Society, 2019, 39, 4946-4956.	5.7	17
42	Nanostructure of optical fluoride ceramics. Inorganic Materials: Applied Research, 2011, 2, 97-103.	0.5	16
43	Preparation and properties of methylcellulose/nanocellulose/Đ¡Đ°F 2 :ĐĐ¾ polymer-inorganic composite films for two-micron radiation visualizers. Journal of Fluorine Chemistry, 2017, 202, 9-18.	1.7	16
44	Synthesis of Calcium Fluoride Nanoparticles in a Microreactor with Intensely Swirling Flows. Russian Journal of Inorganic Chemistry, 2021, 66, 1047-1052.	1.3	16
45	Optical lithium fluoride ceramics. Doklady Physics, 2007, 52, 677-680.	0.7	15
46	Low-temperature phase formation in the BĐ°F2-CeF3 system. Journal of Fluorine Chemistry, 2016, 187, 33-39.	1.7	15
47	Upconversion microparticles as time-resolved luminescent probes for multiphoton microscopy: desired signal extraction from the streaking effect. Journal of Biomedical Optics, 2016, 21, 096002.	2.6	15
48	Pulsed periodic laser excitation of upconversion luminescence for deep biotissue visualization. Laser Physics, 2016, 26, 084001.	1.2	15
49	Absorption and luminescence spectra of CeF3-doped BaF2 single crystals and nanoceramics. Inorganic Materials, 2016, 52, 213-217.	0.8	15
50	Hydrophobic up-conversion carboxylated nanocellulose/fluoride phosphor composite films modified with alkyl ketene dimer. Carbohydrate Polymers, 2020, 250, 116866.	10.2	15
51	Spectral-kinetic characteristics of crystals and nanoceramics based on BaF2 and BaF2: Ce. Physics of the Solid State, 2010, 52, 1910-1914.	0.6	14
52	Coprecipitation of barium-bismuth fluorides from aqueous solutions: Nanochemical effects. Nanotechnologies in Russia, 2011, 6, 203-210.	0.7	14
53	Fluoride laser nanoceramics. Journal of Physics: Conference Series, 2012, 345, 012017.	0.4	14
54	Nucleation and growth of fluoride crystals by agglomeration of the nanoparticles. Journal of Crystal Growth, 2014, 401, 63-66.	1.5	14

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55	Preparation of nanodispersed fluorite-type Sr1â^'xRxF2+x (R=Er, Yb, Ho) phases from citrate solutions. Journal of Fluorine Chemistry, 2017, 194, 8-15.	1.7	14
56	Diamond composite with embedded YAG:Ce nanoparticles as a source of fast X-ray luminescence in the visible and near-IR range. Carbon, 2021, 174, 52-58.	10.3	14
57	Thermal conductivity of FeS2 pyrite crystals in the temperature range 50â€“300 K. Crystallography Reports, 2013, 58, 319-321.	0.6	13
58	Upconversion Luminescence of Fluoride Phosphors SrF2:Er,Yb under Laser Excitation at 1.5 Î¼m. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2018, 125, 537-542.	0.6	13
59	Composite up-conversion luminescent films containing a nanocellulose and SrF2:Ho particles. Cellulose, 2019, 26, 2403-2423.	4.9	13
60	Indium iodide single crystal: breakthrough material for infrared acousto-optics. Optics Letters, 2020, 45, 3435.	3.3	13
61	Optical absorption in CaF₂nanoceramics. Quantum Electronics, 2009, 39, 943-947.	1.0	12
62	Synthesis of ultrafine fluorite Sr1 â^' x Nd x F2 + x powders. Inorganic Materials, 2012, 48, 531-538.	0.8	12
63	Temperature Sensing in the Short-Wave Infrared Spectral Region Using Core-Shell NaGdF4:Yb3+, Ho3+, Er3+@NaYF4 Nanothermometers. Nanomaterials, 2020, 10, 1992.	4.1	12
64	Cerium-doped gadolinium-scandium-aluminum garnet powders: synthesis and use in X-ray luminescent diamond composites. Ceramics International, 2022, 48, 12962-12970.	4.8	12
65	Phase diagram of the NaFâ€“CaF2 system and the electrical conductivity of a CaF2-based solid solution. Russian Journal of Inorganic Chemistry, 2016, 61, 1472-1478.	1.3	11
66	Yttrium oxide nanopowders from carbonate precursors. Russian Journal of Inorganic Chemistry, 2010, 55, 821-827.	1.3	10
67	Evolution of yttria nanoparticle ensembles. Nanotechnologies in Russia, 2010, 5, 624-634.	0.7	10
68	Microstructure and scintillation characteristics of BaF2 ceramics. Inorganic Materials, 2014, 50, 738-744.	0.8	10
69	Surface Photoluminescence of Oxidized Nanodiamonds: Influence of Environment pH. Journal of Physical Chemistry C, 2021, 125, 18247-18258.	3.1	10
70	Mechanisms and absolute quantum yield of upconversion luminescence of fluoride phosphors. Chinese Optics Letters, 2018, 16, 091901.	2.9	10
71	Cultivation of Solanum lycopersicum under Glass Coated with Nanosized Upconversion Luminophore. Applied Sciences (Switzerland), 2021, 11, 10726.	2.5	10
72	Synthesis of scandium orthoborate powders. Inorganic Materials, 2006, 42, 171-175.	0.8	9

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73	Phase equilibria in the Ba2Na3[B3O6]2F-BaF2 system. Crystallography Reports, 2010, 55, 877-881.	0.6	9
74	Di- and trivalent ytterbium distributions along a melt-grown CaF2 crystal. Inorganic Materials, 2014, 50, 733-737.	0.8	9
75	Elaboration of Nanofluorides andÂCeramics for Optical andÂLaser Applications. , 2016, , 7-31.		9
76	Morphological Stability of the Solidâ€“Liquid Interface during Melt Crystallization of Ca1â€“xSrxF2 Solid Solution. Crystallography Reports, 2018, 63, 837-843.	0.6	9
77	Monoclinic zinc monotungstate Yb3+,Li+:ZnWO4: Part I. Czochralski growth, structure refinement and Raman spectra. Journal of Luminescence, 2020, 228, 117601.	3.1	9
78	Optimization of upconversion luminescence excitation mode for deeper in vivo bioimaging without contrast loss or overheating. Methods and Applications in Fluorescence, 2020, 8, 025006.	2.3	9
79	Synthesis of YSAG:Er ceramics and the study of the scandium impact in the dodecahedral and octahedral garnet sites on the Er3+ energy structure. Journal of Luminescence, 2022, 241, 118539.	3.1	9
80	Sintering and microstructure evolution of Er1.5Y1.5-xScx+yAl5-yO12 garnet ceramics with scandium in dodecahedral and octahedral sites. Journal of the European Ceramic Society, 2022, 42, 2464-2477.	5.7	9
81	Luminescent diamond composites. Functional Diamond, 2022, 2, 53-63.	3.8	9
82	Synthesis and luminescent characteristics of submicron powders on the basis of sodium and yttrium fluorides doped with rare earth elements. Nanotechnologies in Russia, 2012, 7, 615-628.	0.7	8
83	Synthesis and characterization of fluoride xerogels. Inorganic Materials, 2013, 49, 1152-1156.	0.8	8
84	Effect of the pH on the formation of NaYF4:Yb:Er nanopowders by co-crystallization in presence of polyethyleneimine. Journal of Fluorine Chemistry, 2014, 158, 60-64.	1.7	8
85	Phase Equilibria in LiYF4â€“LiLuF4 System and Heat Conductivity of LiY1â€“xLu x F4 Single Crystals. Russian Journal of Inorganic Chemistry, 2018, 63, 433-438.	1.3	8
86	Phase diagram of the Li₂SO₄â€“Na₂SO₄ system. Journal of the American Ceramic Society, 2020, 103, 3390-3400.	3.8	8
87	A study of the transport of thermal acoustic phonons in CaF2 single crystals and ceramics within the subterahertz frequency range. Doklady Physics, 2009, 54, 14-17.	0.7	7
88	Synthesis of MgAl2O4 nanopowders. Inorganic Materials, 2011, 47, 895-898.	0.8	7
89	Soft chemistry synthesis of powders in the BaF2-ScF3 system. Russian Journal of Inorganic Chemistry, 2014, 59, 773-777.	1.3	7
90	Down-conversion luminescence of Ce-Yb ions in YF3. Optical Materials, 2019, 95, 109256.	3.6	7

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91	Upconversion luminescence of CaF2-SrF2-ErF3 single crystals upon 1.5 Î¼m laser excitation. Journal of Physics: Conference Series, 2019, 1410, 012086.	0.4	7
92	The influence of the Sc³⁺ dopant on the transmittance of (Y,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (Er)<sub>3</su	3.3	7
93	Thermal Conductivity of Sr1 â€“ xBaxF2 Single Crystals. Inorganic Materials, 2021, 57, 629-633.	0.8	7
94	Synthesis of SrF₂:Yb:Er ceramic precursor powder by co-precipitation from aqueous solution with different fluorinating media: NaF, KF and NH₄F. Dalton Transactions, 2022, 51, 5448-5456.	3.3	7
95	A study of the structure and scattering mechanisms of subterahertz phonons in lithium fluoride single crystals and optical ceramics. Journal of Experimental and Theoretical Physics, 2010, 110, 983-988.	0.9	6
96	Phase equilibria in systems of gallium sulfate with lithium or sodium sulfate. Russian Journal of Inorganic Chemistry, 2017, 62, 1508-1513.	1.3	6
97	Synthesis and Luminescence Characteristics of LaF3:Yb:Er Powders Produced by Coprecipitation from Aqueous Solutions. Russian Journal of Inorganic Chemistry, 2018, 63, 293-302.	1.3	6
98	Specific features of the lattice dynamics of CaxSr1-x F2 solid solutions. Materials Chemistry and Physics, 2020, 240, 122247.	4.0	6
99	Down-conversion luminescence of Yb3+ in novel Ba4Y3F17:Yb:Ce solid solution by excitation of Ce3+ in UV spectral range. Optical Materials, 2020, 108, 110185.	3.6	6
100	X-ray luminescence of diamond composite films containing yttrium-aluminum garnet nanoparticles with varied composition of Scâ€“Ce doping. Ceramics International, 2021, 47, 13922-13926.	4.8	6
101	Growth of bulk ?-BaB2O4 crystals of high optical quality in the BaB2O4-NaBaBO3 system. Inorganic Materials, 2005, 41, 60-64.	0.8	5
102	Synthesis of yttrium orthoborate powders. Russian Journal of Inorganic Chemistry, 2007, 52, 829-834.	1.3	5
103	Indium monoiodide: Preparation and deep purification. Russian Journal of Inorganic Chemistry, 2015, 60, 1333-1336.	1.3	5
104	Î±-NaYF 4 :Yb:Er@AlPc(C 2 O 3) 4 -Based efficient up-conversion luminophores capable to generate singlet oxygen under IR excitation. Journal of Fluorine Chemistry, 2016, 182, 104-108.	1.7	5
105	Luminescence of GdF3:Pr:Yb and YF3:Pr:Yb Solid Solutions Synthesized by Crystallization from the Melt. Journal of Applied Spectroscopy, 2019, 86, 795-801.	0.7	5
106	Synthesis and down-conversion luminescence investigation of CaF2:Yb:Ce powders for photonics. Journal of Fluorine Chemistry, 2019, 222-223, 46-50.	1.7	5
107	Thermophysical Properties of Single Crystals of CaF2â€“SrF2â€“RF3 (R = Ho, Pr) Fluorite Solid Solutions. Inorganic Materials, 2020, 56, 975-981.	0.8	5
108	Study of Yb3+ Optical Centers in Fluoride Solid Solution Crystals CaF2â€“SrF2â€“YbF3. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2020, 128, 600-604.	0.6	5

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109	Hydration of Strontium Chloride and Rare-Earth Element Oxychlorides. Russian Journal of Applied Chemistry, 2005, 78, 1035-1037.	0.5	4
110	Phase equilibria in the BaB2O4-NaF system. Inorganic Materials, 2010, 46, 70-73.	0.8	4
111	Single-crystalline InIâ€"Material for infrared optics. Doklady Physics, 2016, 61, 261-265.	0.7	4
112	Irradiation behavior of ytterbium-doped calcium fluoride crystals and ceramics. Inorganic Materials, 2016, 52, 842-850.	0.8	4
113	Ð¡Ð¸Ð½Ñ‚ÐµÐ· Ð°Ð¿Ð¾Ð½Ð¸Ñ€Ð¾Ð²Ð°Ð½Ð½Ñ‹Ñ… Ð»ÑŽÐ¼Ð¸Ð½Ð¾Ñ„Ð¾Ñ€Ð¾Ð² Ð½Ð° Ð¾ÑÐ½Ð¾Ð²Ðµ Ñ„Ñ‚Ð¾Ñ€Ð¸Ð´Ð¾Ð²		4
114	Achieving high NIR-to-NIR conversion efficiency by optimization of Tm³⁺ content in Na(Gd,Yb)F₄: Tm upconversion luminophores. Laser Physics Letters, 2020, 17, 125701.	1.4	4
115	Study of synthesis temperature effect on Î²-NaGdF₄: Yb³⁺, Er³⁺Âupconversion luminescence efficiency and decay time using maximum entropy method. Methods and Applications in Fluorescence, 2022, 10, 024005.	2.3	4
116	Thermal Conductivity of Single Crystals of CaF2â€"BaF2 Solid Solutions. Inorganic Materials, 2022, 58, 396-402.	0.8	4
117	Spectroscopic and Oscillation Properties of Yb3+ ions in BaF2-SrF2-CaF2 Crystals and Ceramics.. , 2009, , .		3
118	Thermal expansion of InI crystal. Doklady Physics, 2016, 61, 374-376.	0.7	3
119	Low-temperature phase formation in CaF2â€"HoF3 system. Russian Journal of Inorganic Chemistry, 2017, 62, 1173-1176.	1.3	3
120	Acousto-optic interaction in an InI single crystal. Doklady Physics, 2017, 62, 407-410.	0.7	3
121	Influence of Yâ€"Gd ratio on phase formation and spectroscopic properties of NaGd0.8â^'x Y x Yb0.17Er0.03F4 solid solutions. Laser Physics Letters, 2019, 16, 035604.	1.4	3
122	Algorithm for calculation of up-conversion luminophores mixtures chromaticity coordinates. Journal of Fluorine Chemistry, 2020, 237, 109607.	1.7	3
123	Synthesis of CaF2â€"YF3 nanopowders by coprecipitation from aqueos solutions. Nanosystems: Physics, Chemistry, Mathematics, 2017, , 462-470.	0.4	3
124	Synthesis and quantum yield investigations of the Sr(1-x-y)Pr(x)Yb(y)F(2+x+y) luminophores for photonics. Nanosystems: Physics, Chemistry, Mathematics, 2018, , 663-668.	0.4	3
125	Long-wavelength optical properties of the Ca0.33Sr0.33Ba0.33F2 solid solution single crystals. Optical Materials, 2022, 127, 112267.	3.6	3
126	Luminescence of Ba1â€"x La x F2 + x : Ce3+ crystals. Doklady Physics, 2016, 61, 50-54.	0.7	2

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127	Mesostructure of yttrium and aluminum basic salts coprecipitated from aqueous solutions under ultrasonic treatment. Journal of Surface Investigation, 2016, 10, 177-186.	0.5	2
128	CaF₂-LaF₃-PrF₃ solid solutions - new promising visible range laser media. , 2018, , .		2
129	Growth of Yb : Na2SO4 crystals and study of their spectralâ€“luminescent characteristics. Quantum Electronics, 2019, 49, 1008-1010.	1.0	2
130	Determining the Photophysical Parameters of NaGdF4:Eu Solid Solutions in Suspensions Using the Juddâ€”Ofelt Theory. JETP Letters, 2020, 111, 525-531.	1.4	2
131	Laser damage threshold of hydrophobic up-conversion carboxylated nanocellulose/SrF2:Ho composite films functionalized with 3-aminopropyltriethoxysilane. Cellulose, 0, , 1.	4.9	2
132	Synthesis and downconversion luminescence of Ba4Y3F17:Yb:Pr solid solutions for photonics. Nanosystems: Physics, Chemistry, Mathematics, 2019, 10, 190-198.	0.4	2
133	Hydrophobization of up-conversion luminescent films based on nanocellulose/MF2:Ho particles (M =) Tj ETQq1 1 0.784314 rgBT /Ove	0.4	2
134	Comment on the paper â€œThermodynamic evaluation and optimization of the (NaNO3Â+ÂKNO3Â+ÂNa2SOÂ+ÂK2SO4) systemâ€•by Ch. Robelin, P. Chartrand, A.D. Pelton, published in J. Chem. Therm. 83 (2015) 12â€“26. Journal of Chemical Thermodynamics, 2020, 149, 106178.	2.0	2
135	Effect of Structural Perfection of Crystalline Î²-NaYF4:Yb,Er Phosphor Powders on the Efficiency of Their Upconversion Luminescence. Inorganic Materials, 2022, 58, 90-96.	0.8	2
136	Assessment of Cs₂HfCl₆ crystal applicability as low-temperature scintillating bolometers by their thermodynamic characteristics. Journal of Materials Chemistry C, 2022, 10, 5218-5229.	5.5	2
137	Influence of cellular substructure on the thermal conductivity of heterovalent solid solutions of fluorides. Crystallography Reports, 2014, 59, 98-100.	0.6	1
138	Formation of dissipative structures at hologram recording in CaF2crystals with color centers. , 2015, , .		1
139	Prospective visible laser active media based on disordered fluorite-type structure crystals. EPJ Web of Conferences, 2019, 220, 03024.	0.3	1
140	Tunable upconversion luminescence of SrF₂: Er,Tm phosphors. Journal of Physics: Conference Series, 2019, 1410, 012121.	0.4	1
141	Growth and physical properties of CaSrBaF6 single crystals. Kondensirovannye Sredy Mezhfaznye Granitsy, 2021, 23, 101-107.	0.3	1
142	Study of stability of luminescence intensity of b-NaGdF4:Yb:Er nanoparticle colloids in aqueous solution. Nanosystems: Physics, Chemistry, Mathematics, 2021, 12, 218-223.	0.4	1
143	Preparation and X-ray luminescence of Ba4Â±xCe3Â±xF17Â±x solid solutions. Nanosystems: Physics, Chemistry, Mathematics, 2021, 12, 505-511.	0.4	1
144	Preparation and Laser Oscillation of Optical Ceramics Based on LiF:F2â^' Color Center Crystals and CaF2-SrF2-YbF3 crystals. , 2008, , .		1

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145	Ca1-x-yYbxPryF2+x+y solid solution powders as a promising materials for crystalline silicon solar energetics. Nanosystems: Physics, Chemistry, Mathematics, 2018, 9, 259-265.	0.4	1
146	SyNTHESIS OF GALLIUM SULFATE. Fine Chemical Technologies, 2017, 12, 52-57.	0.8	1
147	Multifunctional upconversion nanoparticles based on NaYGdF4 for laser induced heating, non-contact temperature sensing and controlled hyperthermia with use of pulsed periodic laser excitation. , 2018, , .		1
148	Strategies to enhance the sensitivity of NaGdF4:Yb-Tm based nanothermometers. , 2019, , .		1
149	Optical properties of 50 at.% Er3+:YAG ceramics. , 2020, , .		1
150	Synthesis of single-phase Sr Ba F solid solutions by co-precipitation from aqueous solutions. Solid State Sciences, 2022, 130, 106932.	3.2	1
151	Sodium Sulfate Polymorphism. Russian Journal of Inorganic Chemistry, 2022, 67, 970-977.	1.3	1
152	Growth of bulk ?-BaB2O4 crystals of high optical quality in the BaB2O4-NaBaBO3 system. Inorganic Materials, 2005, 41, 60-64.	0.8	0
153	Spectroscopic and oscillation properties of Nd³⁺ and Yb³⁺ ions optical centers in BaF<inf>2</inf>-SrF<inf>2</inf>-CaF<inf>2</inf> crystals and ceramics. , 2009, , .		0
154	Synthesis and study of barium fluoride powder doped with scandium as scintillation ceramics charge. , 2014, , .		0
155	Synthesis and study of M<inf>1â^'xâ^'y</inf>Yb<inf>x</inf>Er<inf>y</inf>F<inf>2+x+y</inf> (M = Ca, Ba) efficient up-conversion luminophores for biomedical applications. , 2016, , .		0
156	Optimization of upconversion nanoparticles excitation regimes for selective heating and effective thermometry in biological tissues. , 2018, , .		0
157	High down-conversion in MF<inf>2</inf>:Yb:R (M = Ca, Sr; R = Pr, Ce, Eu) solid solution powder for photonics.. , 2018, , .		0
158	Diamond-fluoride luminescent film composite.. , 2018, , .		0
159	Synthesis and Luminescence of Sr1â€“ x â€“ yYbxEuyF2+ x + y Solid Solutions for Photonics. Inorganic Materials, 2019, 55, 1031-1038.	0.8	0
160	Simultaneous Measurement of the Emission Quantum Yield and Local Temperature: The Illustrative Example of SrF 2 :Yb 3+ /Er 3+ Single Crystals. European Journal of Inorganic Chemistry, 2020, 2020, 1540-1540.	2.0	0
161	Site Selective Spectroscopy and Laser Oscillations of Yb3+ ions in BaF2-SrF2-CaF2 Single Crystals of Solid Solution. , 2008, , .		0
162	Ð˜ÑÑ»ÐµÐ´Ó¾Ð²Ð°Ð½Ð¸Ðµ Ð»ÑŽÐ¼Ð¸Ð½ÐµÑ†ÐµÐ½Ñ†Ð¸Ð¸ Ñ‚Ð²ÐµÑ€Ð´Ñ‹Ñ… Ñ€Ð°ÑÑ‚Ð²Ð¾Ñ€Ð¾Ð² Ð¸Ð·Ð° Ð¾Ñ‚Ð½Ð¾Ñ		

#	Article	IF	Citations
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