

Vladimir N Makhov

List of Publications by Year in descending order

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147
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#	ARTICLE	IF	CITATIONS
1	Luminescence properties of YPO ₄ :Nd ³⁺ : a promising VUV scintillator material. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 486, 437-442.	1.6	62
2	Fast VUV emission of rare earth ions (Nd ³⁺ , Er ³⁺ , Tm ³⁺) in wide bandgap crystals. Journal of Alloys and Compounds, 1998, 275-277, 205-208.	5.5	58
3	VUV spectroscopy of KYF ₄ crystals doped with Nd ³⁺ , Er ³⁺ and Tm ³⁺ . Optics Communications, 2000, 184, 183-193.	2.1	56
4	Vacuum-ultraviolet ^{5d} luminescence of Gd ³⁺ and Lu ³⁺ ions in fluoride matrices. Physical Review B, 2007, 75, .	3.2	56
5	Luminescence and radiation defects in electron-irradiated Al ₂ O ₃ and Al ₂ O ₃ :Cr. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 2949-2952.	1.4	55
6	Narrow Band Deep Red Photoluminescence of Y ₂ Mg ₃ Ge ₃ O ₁₂ :Mn ⁴⁺ , Li ⁺ Inverse Garnet for High Power Phosphor Converted LEDs. ECS Journal of Solid State Science and Technology, 2018, 7, R3086-R3092.	1.8	53
7	Vacuum ultraviolet spectra and crystal field analysis of YAlO ₃ doped with Nd ³⁺ and Er ³⁺ . Physical Review B, 2007, 75, .	3.2	42
8	Spectroscopic properties of Pr ³⁺ luminescence in complex fluoride crystals. Journal of Luminescence, 2003, 102-103, 638-643.	3.1	41
9	Spectroscopy of cubic elpasolite Cs ₂ NaYF ₆ crystals singly doped with Er ³⁺ and Tm ³⁺ under selective VUV excitation. Optical Materials, 2005, 27, 1131-1137.	3.6	37
10	Thermoluminescence properties of double potassium yttrium fluorides singly doped with Ce ³⁺ , Tb ³⁺ , Dy ³⁺ and Tm ³⁺ in response to and irradiation. Journal of Luminescence, 2006, 117, 29-38.	3.1	34
11	High-resolution vacuum ultraviolet spectroscopy of ^{5d} transitions in Gd and Lu fluorides. Physical Review B, 2004, 70, .	3.2	33
12	Composition dependent spectral shift of Mn ⁴⁺ luminescence in silicate garnet hosts CaY ₂ M ₂ Al ₂ SiO ₁₂ (M = Al, Ga, Sc). Journal of Luminescence, 2018, 198, 314-319.	3.1	33
13	Luminescence of MgAl ₂ O ₄ and ZnAl ₂ O ₄ spinel ceramics containing some 3d ions. Ceramics International, 2020, 46, 21351-21359.	4.8	32
14	Low-temperature high-resolution VUV spectroscopy of Ce ³⁺ doped LiYF ₄ , LiLuF ₄ and LuF ₃ crystals. Journal of Luminescence, 2004, 110, 135-145.	3.1	30
15	Luminescence properties of silicate apatite phosphors M ₂ La ₈ Si ₆ O ₂₆ :Eu (M = Mg, Ca, Sr). Journal of Luminescence, 2017, 191, 51-55.	3.1	30
16	Excitation spectroscopy of K ₂ YF ₅ :Pr ³⁺ crystals. Journal of Luminescence, 2003, 101, 79-85.	3.1	29
17	Luminescence and excitation spectra of YAG:Nd ³⁺ excited by synchrotron radiation. Journal of Luminescence, 2007, 127, 397-403.	3.1	29
18	VUV emission of Er ³⁺ and Tm ³⁺ in fluoride crystals. Journal of Luminescence, 1998, 78, 91-96.	3.1	28

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19	Upconversion fluorescence of Er ³⁺ trace impurity ions and Raman study in K ₂ YF ₅ :0.1mol% Tm ³⁺ single crystal. <i>Journal of Alloys and Compounds</i> , 2004, 368, 337-341.	5.5	28
20	VUV emission of rare-earth ions doped into fluoride crystals. <i>Journal of Luminescence</i> , 2000, 87-89, 1005-1007.	3.1	27
21	VUV spectroscopy of wide band-gap crystals doped with rare earth ions. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 470, 290-294.	1.6	26
22	Multiplication of electronic excitations in nanophosphors Lu ₂ O ₃ :Eu ³⁺ and Lu ₂ O ₃ :Tb ³⁺ . <i>Journal of Luminescence</i> , 2009, 129, 1711-1714.	3.1	26
23	Luminescence spectroscopy from the vacuum ultra-violet to the visible for Er ³⁺ and Tm ³⁺ in complex fluoride crystals. <i>Optical Materials</i> , 2002, 19, 365-376.	3.6	25
24	Upconversion fluorescence of Nd ³⁺ ions in K ₂ YF ₅ single crystal. <i>Journal of Alloys and Compounds</i> , 2003, 361, 294-298.	5.5	25
25	Emission and Excitation Spectra of Ce ³⁺ and Pr ³⁺ Ions in Hexafluoroelpasolite Lattices. <i>Journal of Physical Chemistry A</i> , 2011, 115, 8870-8876.	2.5	25
26	Luminescence of CsGd ₂ F ₇ :Er ³⁺ , Dy ³⁺ under VUV excitation. <i>Journal of Luminescence</i> , 2001, 94-95, 45-49.	3.1	24
27	Spectroscopic studies and crystal field calculation for Nd ³⁺ in single crystal K ₂ YF ₅ . <i>Journal of Alloys and Compounds</i> , 2003, 353, 95-101.	5.5	22
28	Upconverted VUV luminescence of Nd ³⁺ and Er ³⁺ doped into LiYF ₄ crystals under XeF-laser excitation. <i>Journal of Luminescence</i> , 2004, 106, 15-20.	3.1	22
29	Extended broadband luminescence of dodecahedral multisite Ce ³⁺ ions in garnets {Y ₃ [MgAl](BAlSi)O ₁₂ (A= Sc, Ga, Al; B= Ga, Al)}. <i>Dyes and Pigments</i> , 2017, 142, 524-529.	3.7	22
30	4f ⁿ 5d Transitions of Tb ³⁺ in Cs ₂ NaYF ₆ : The Effect of Distortion of the Excited-State Configuration. <i>Journal of Physical Chemistry A</i> , 2011, 115, 9188-9191.	2.5	21
31	Cross-luminescence of several complex fluorides excited by synchrotron radiation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1995, 359, 351-353.	1.6	20
32	Two-photon excitation to configuration of in crystal by KrF excimer laser. <i>Journal of Luminescence</i> , 2006, 119-120, 28-32.	3.1	20
33	5d ⁿ 4f luminescence of Ce ³⁺ , Gd ³⁺ and Lu ³⁺ in LiCaAlF ₆ . <i>Journal of Luminescence</i> , 2012, 132, 418-424.	3.1	20
34	Determination of fluorescent probes localization in membranes by nonradiative energy transfer. <i>Journal of Proteomics</i> , 1989, 19, 259-274.	2.4	19
35	Inter and intraconfigurational luminescence of LiYF ₄ :Er ³⁺ under selective VUV excitation. , 2002, 4766, 154.		19
36	6d5f and 5f ₂ configurations of U ⁴⁺ doped into LiYF ₄ and YF ₃ crystals. <i>Journal of Luminescence</i> , 2003, 104, 85-92.	3.1	19

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37	Site selective, time and temperature dependent spectroscopy of Eu ³⁺ doped apatites (Mg,Ca,Sr) ₂ Y ₈ Si ₆ O ₂₆ . Journal of Luminescence, 2017, 186, 205-211.	3.1	18
38	Photo-, radio- and thermoluminescence of Sm ³⁺ doped and Tb ³⁺ /Sm ³⁺ doubly doped K ₂ YF ₅ single crystals. Journal of Luminescence, 2013, 140, 82-86.	3.1	17
39	Mechanism for bifurcation of broadband luminescence spectra from Ce ³⁺ ions at dodecahedral sites in garnets {CaY ₂ }[M ₂](Al ₂ Si)O ₁₂ (M = Al, Ga, Sc). Dyes and Pigments, 2018, 148, 189-195.	3.7	17
40	Radiative transitions between anion and cation valence bands in CsBr and CsCl crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1987, 261, 153-155.	1.6	16
41	Cross-luminescence peculiarities of complex KF-based fluorides. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 308, 205-207.	1.6	16
42	Intrinsic and impurity cross-luminescence in three-component barium-containing compounds. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 308, 208-210.	1.6	16
43	Crossluminescence at high temperatures. Journal of Electron Spectroscopy and Related Phenomena, 1999, 101-103, 817-820.	1.7	16
44	Vacuum ultraviolet luminescence of wide band-gap solids studied using time-resolved spectroscopy with synchrotron radiation. Physica Scripta, 2014, 89, 044010.	2.5	16
45	Sensitization of luminescence from Sm ³⁺ ions in fluoride hosts K ₂ YF ₅ and K ₂ GdF ₅ by doping with Tb ³⁺ ions. Journal of Luminescence, 2019, 209, 340-345.	3.1	16
46	Electronic properties of crystalline quartz excited by photons in the 5 eV range. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 282, 580-582.	1.6	15
47	Inter- and Intraconfigurational Transitions of Nd ³⁺ in Hexafluoroelpasolite Lattices. Journal of Physical Chemistry B, 2006, 110, 12113-12118.	2.6	15
48	Thermoluminescence properties of isostructural K ₂ YF ₅ and K ₂ GdF ₅ crystals doped with Tb ³⁺ in response to \hat{I}_1 , \hat{I}_2 and X-ray irradiation. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 3344-3350.	1.4	15
49	Optical functions of layered cadmium dichalcogenide crystals in the energy range 4-20 eV. Journal of Applied Spectroscopy, 1985, 43, 1168-1171.	0.7	14
50	VUV emission of stoichiometric Er ³⁺ - and Tm ³⁺ -containing fluoride crystals. Journal of Electron Spectroscopy and Related Phenomena, 1999, 101-103, 579-582.	1.7	14
51	VUV spectroscopy of a new fluoride system NaF:(Er,Y)F ₃ . Optical Materials, 2001, 16, 437-444.	3.6	14
52	Efficient crystal radiation detectors based on Tb ³⁺ -doped fluorides for radioluminescence dosimetry. Journal Physics D: Applied Physics, 2007, 40, 5055-5060.	2.8	14
53	Thermoluminescence of some doped fluoride crystals. Radiation Measurements, 2008, 43, 245-248.	1.4	14
54	Reflection Spectra of Some Garnet and Orthoferrite Single Crystals in Vacuum Ultraviolet. Physica Status Solidi (B): Basic Research, 1990, 157, 745-752.	1.5	13

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55	Rare Earths in the Luminescence of Inorganic Hosts Excited in the VUV and XUV Range. Materials Science Forum, 1999, 315-317, 27-33.	0.3	13
56	XPS studies of the energy band structure of three Y ³⁺ -based fluoride compounds. Journal of Electron Spectroscopy and Related Phenomena, 2002, 122, 85-89.	1.7	13
57	6d5f configuration of U ⁴⁺ doped into LiYF ₄ crystal. Journal of Luminescence, 2002, 97, 174-179.	3.1	13
58	Vacuum ultraviolet excitation spectra of lanthanide-doped hexafluoroelpasolites. Journal of Physics Condensed Matter, 2009, 21, 395504.	1.8	13
59	Upconverted 5d ⁴ f luminescence from Er ³⁺ and Nd ³⁺ ions doped into fluoride hosts excited by ArF and KrF excimer lasers. Optics Communications, 2010, 283, 49-53.	2.1	13
60	Time- and Temperature-Dependent Luminescence of Manganese Ions in Ceramic Magnesium Aluminum Spinel. Materials, 2021, 14, 420.	2.9	13
61	Exciton and electron-hole mechanisms for electronic excitation multiplication in alkaline earth fluoride crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1987, 261, 158-160.	1.6	12
62	Spectroscopic studies of Er ³⁺ centers in KYF ₄ . Journal of Alloys and Compounds, 2002, 341, 362-365.	5.5	12
63	VUV 5d-4f luminescence of Gd ³⁺ and Lu ³⁺ ions in the CaF ₂ host. Physics of the Solid State, 2008, 50, 1625-1630.	0.6	12
64	Fast crystalline scintillators for high counting rate X-ray detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 348, 542-545.	1.6	11
65	Scintillating HfF ₄ -based glasses doped cerium chloride and cerium oxide compounds. Journal of Non-Crystalline Solids, 1997, 213-214, 311-314.	3.1	11
66	Spectra analysis of Tm ³⁺ in K ₂ YF ₅ . Journal of Physics and Chemistry of Solids, 2004, 65, 1059-1063.	4.0	11
67	Luminescent protection against radiation damage in wide-gap materials. Journal of Luminescence, 2009, 129, 1894-1897.	3.1	11
68	Emission spectra of lanthanide ions in hexafluoroelpasolite lattices excited by synchrotron radiation. Optical Materials, 2009, 31, 1729-1734.	3.6	11
69	Band tail absorption saturation in CdWO ₄ with 100 fs laser pulses. Journal of Physics Condensed Matter, 2013, 25, 245901.	1.8	11
70	Investigations of fast luminescence in ionic crystals under pulsed synchrotron radiation excitation at the S-60 electron synchrotron. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 308, 187-189.	1.6	10
71	LUMINESCENCE PROPERTIES OF LiKGdF ₅ CRYSTALS DOPED WITH Er ³⁺ AND Tm ³⁺ AS PROMISING MATERIALS FOR VUV-EXCITED PHOSPHORS. Surface Review and Letters, 2002, 09, 271-276.	1.1	10
72	VUV luminescence of BaF ₂ , BaF ₂ :Nd and BaY ₂ F ₈ crystals under inner-shell excitation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 486, 422-425.	1.6	10

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73	Deep VUV Scintillators for Detectors Working in Cryogenic Environment. IEEE Transactions on Nuclear Science, 2008, 55, 1437-1444.	2.0	10
74	Temperature dependence of cross-luminescence bandwidth. Journal of Luminescence, 1997, 72-74, 114-115.	3.1	9
75	Observation of Time-transient spectral narrowing at 309 nm in Ce ³⁺ doped SrF ₂ crystal. Optics Communications, 2002, 205, 415-420.	2.1	9
76	VUV-Luminescence and Excitation Spectra of the Heavy Trivalent Rare-Earth Ions in Fluoride Matrices. Physics of the Solid State, 2005, 47, 1416.	0.6	9
77	Testing nanocrystalline CdWO ₄ doped with Yb ³⁺ as a possible down-conversion phosphor. Radiation Measurements, 2016, 90, 329-333.	1.4	9
78	Thermal quenching of Mn ⁴⁺ luminescence in Sn ⁴⁺ -containing garnet hosts. Optical Materials, 2018, 84, 600-605.	3.6	9
79	VUV 5d → 4f luminescence of Gd ³⁺ doped into CaF ₂ . Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 881-884.	0.8	8
80	5d → 4f luminescence of Er ³⁺ in YAG:Er ³⁺ . Optical Materials, 2009, 31, 1038-1041.	3.6	8
81	Luminescence of YAG doped with Eu, Yb, and Mn ions under VUV excitation. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2014, 116, 748-753.	0.6	8
82	Luminescence Properties of Spinel Doped with Manganese Ions. Russian Journal of Inorganic Chemistry, 2020, 65, 1135-1141.	1.3	8
83	Simulation of cross-luminescence excitation spectra of BaF ₂ and CsBr crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 359, 354-356.	1.6	7
84	Emission properties of Nd ³⁺ in several fluoride crystals. Journal of Luminescence, 1997, 72-74, 146-148.	3.1	7
85	Recombination-assisted creation of cation excitons and cross-luminescence quenching in CsCl crystals at high excitation densities. Physics of the Solid State, 2000, 42, 1052-1057.	0.6	7
86	Site selective optical spectroscopy of Pr ³⁺ in CsGd ₂ F ₇ . Journal of Luminescence, 2001, 94-95, 97-100.	3.1	7
87	Spectral analysis of single-crystal LiKGdF ₅ :Er ³⁺ , Tb ³⁺ . Journal of Physics Condensed Matter, 2003, 15, 7117-7125.	1.8	7
88	A comparative study of photoemission and cross luminescence from BaF ₂ . Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 113-116.	1.6	7
89	VUV spectroscopy of lanthanide doped fluoride crystals K ₂ YF ₅ . Optical Materials, 2020, 107, 110049.	3.6	7
90	Enhancement of optical luminescence of solids using a capillary lens. Synchrotron Radiation News, 2000, 13, 20-23.	0.8	6

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91	Crossluminescence of Nanosized KYF ₄ . IEEE Transactions on Nuclear Science, 2012, 59, 2102-2105.	2.0	6
92	Silicate apatite phosphors for pc-LED applications. Proceedings of the Estonian Academy of Sciences, 2017, 66, 383.	1.5	6
93	Microwave-hydrothermal synthesis and investigation of Mn-doped K ₂ SiF ₆ microsize powder as a red phosphor for warm white LEDs. Journal of Luminescence, 2021, 239, 118389.	3.1	6
94	Time resolved luminescence spectroscopy of wide bandgap insulators. Journal of Electron Spectroscopy and Related Phenomena, 1996, 79, 99-102.	1.7	5
95	PHONON BROADENING OF EMISSION SPECTRA FOR STE AND AUGER-FREE LUMINESCENCE. International Journal of Modern Physics B, 2001, 15, 4032-4035.	2.0	5
96	VUV Luminescence Due to 5d - 4f Transitions in Gd ³⁺ and Lu ³⁺ Ions Doped into Fluoride Crystals. ECS Transactions, 2008, 11, 1-10.	0.5	5
97	Interplay of spin-allowed and spin-forbidden 5d ¹ 4f luminescence from rare earth ions. Journal of Luminescence, 2008, 128, 725-727.	3.1	5
98	Application of the pulsed synchrotron radiation for investigation of the fast crystalline scintillators. Review of Scientific Instruments, 1992, 63, 1466-1468.	1.3	4
99	Psychophysiological Characteristics Related to the Functional State of the Members of the Soviet-American Arctic Bering Bridge Expedition. Environment and Behavior, 1994, 26, 166-178.	4.7	4
100	Temperature dependence of crossluminescence characteristics in CsCl and CsBr in the 20 ^o -300 K range. Radiation Effects and Defects in Solids, 1995, 135, 349-354.	1.2	4
101	Time-resolved studies of fast scintillating crystals under VUV and X-ray synchrotron radiation excitation. Radiation Effects and Defects in Solids, 1995, 135, 355-360.	1.2	4
102	Luminescence quenching studies of and by means of nanosecond time-resolved VUV spectroscopy. Journal of Physics Condensed Matter, 1996, 8, 497-504.	1.8	4
103	Time-resolved studies of emission properties of cerium-doped fluoro-hafnate glasses under VUV synchrotron radiation excitation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 405, 418-422.	1.6	4
104	VUV SPECTROSCOPY OF CRYSTALLINE EMITTERS BASED ON 5d ¹ 4f TRANSITIONS IN RARE EARTH IONS. Surface Review and Letters, 2002, 09, 621-626.	1.1	4
105	Modelling of decay kinetics of self-trapped exciton luminescence in CdWO ₄ under femtosecond laser excitation in absorption saturation conditions. Open Physics, 2012, 10, .	1.7	4
106	Optical and luminescent VUV spectroscopy using synchrotron radiation. Crystallography Reports, 2016, 61, 886-896.	0.6	4
107	Soft chemical synthesis and luminescent properties of Na ₃ Al ₂ Li ₃ F ₁₂ :Mn ⁴⁺ garnet-type nanophosphor. Optical Materials, 2019, 89, 340-343.	3.6	4
108	Optical Properties of Manganese-Activated Fluorozirconate Glasses. Inorganic Materials, 2019, 55, 1185-1188.	0.8	4

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109	Luminescence of Fluorochlorozirconate Glasses Doped with Manganese Ions. Physica Status Solidi (B): Basic Research, 2020, 257, 1900457.	1.5	4
110	Spectroscopic studies on Pr ³⁺ doped YPO ₄ and LuPO ₄ upon vacuum ultraviolet (VUV) and synchrotron radiation excitation. Chemical Physics, 2022, 562, 111646.	1.9	4
111	Intrinsic and impurity luminescence of rare-earth trifluorides. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 282, 597-598.	1.6	3
112	Luminescence of color centers in $\hat{\pm}$ -Al ₂ O ₃ single crystals. Journal of Applied Spectroscopy, 1995, 62, 585-588.	0.7	3
113	Radiation processes on the surface of irradiated corundum monocrystals. Radiation Effects and Defects in Solids, 1995, 136, 257-260.	1.2	3
114	Inter- and intraconfigurational luminescence of Er ³⁺ ions in BaY ₂ F ₈ under VUV excitation. Radiation Effects and Defects in Solids, 2002, 157, 911-914.	1.2	3
115	VUV SPECTROSCOPY OF WIDE BAND-GAP CRYSTALS. , 2007, , 349-359.		3
116	Luminescence of singlet self-trapped excitons in MgF ₂ . Journal of Physics Condensed Matter, 2009, 21, 375501.	1.8	3
117	Intrinsic and impurity luminescence of rare earth ions doped KYF ₄ nanophosphors. Radiation Measurements, 2013, 56, 393-396.	1.4	3
118	Effect of local environment on crossluminescence kinetics in SrF ₂ :Ba and CaF ₂ :Ba solid solutions. Journal of Luminescence, 2015, 166, 137-142.	3.1	3
119	Time- and temperature-resolved luminescence spectroscopy of LiAl ₄ O ₆ F:Mn red phosphors. Journal of Luminescence, 2019, 216, 116754.	3.1	3
120	The use of synchrotron radiation for the investigation of the spatial structure of model membranes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1987, 261, 156-157.	1.6	2
121	<title>Optical luminescence of solids under focusing of soft x rays by capillary systems</title> . , 1999, , .		2
122	<title>VUV luminescence of as-grown and electron irradiated corundum single crystals</title> . , 2005, 5946, 41.		2
123	Thermal quenching of luminescence of BaY ₂ F ₈ crystals activated with Er ³⁺ and Tm ³⁺ ions. Bulletin of the Lebedev Physics Institute, 2016, 43, 348-351.	0.6	2
124	Apparatus for the measurement of the temporal characteristics of luminescence in the nanosecond regime. Journal of Applied Spectroscopy, 1982, 36, 659-664.	0.7	1
125	Luminescence Excitation of Y ₃ Al ₅ O ₁₂ Monocrystals in the Vacuum Ultraviolet Region. Physica Status Solidi A, 1998, 167, 237-241.	1.7	1
126	Luminescence Excitation and Influence of Radiation on the Stimulated Processes in Corundum Crystals. Physica Status Solidi A, 1999, 171, 623-629.	1.7	1

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127	Luminescence property studies of - by means of nanosecond time-resolved VUV spectroscopy. European Physical Journal B, 1999, 12, 35-38.	1.5	1
128	A conceptual design of the set-up for solid state spectroscopy with free electron laser and insertion device radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 467-468, 1537-1540.	1.6	1
129	Luminescence excitation spectra of LiGdF ₄ and LiLuF ₄ in the region of interconfigurational $f \rightarrow f$ transitions in the and ions. Radiation Measurements, 2007, 42, 865-868.	1.4	1
130	Reflection spectra of NaClO ₃ , NaBrO ₃ , and LiIO ₃ gyrotropic crystals in the vacuum UV region. Crystallography Reports, 2010, 55, 272-275.	0.6	1
131	Modeling of the luminescence-decay kinetics of self-trapped excitons at a high excitation density under conditions of absorption saturation. Bulletin of the Lebedev Physics Institute, 2012, 39, 155-161.	0.6	1
132	Luminescence of CsTaF ₆ Studied by VUV Spectroscopy. Physics Procedia, 2015, 76, 92-96.	1.2	1
133	High-temperature VUV spectroscopy of KYF ₄ crystals doped with Nd ³⁺ , Er ³⁺ and Tm ³⁺ ions. Radiation Measurements, 2016, 90, 298-302.	1.4	1
134	VUV spectroscopy of complex fluoride systems Na _{0.4} (Y _{1-x} RE _x) _{0.6} F _{2.2} (RE ³⁺ =Nd ³⁺ , Tm ³⁺). Optical Materials, 2016, 55, 5-9.	3.6	1
135	Spectral Properties and Thermal Quenching of Mn ⁴⁺ Luminescence in Silicate Garnet Hosts Ca ₂ MgMAlSi ₂ O ₁₂ (M = Al, Ga, Sc). Physics of the Solid State, 2019, 61, 853-859.	0.6	1
136	Low-temperature high-resolution VUV spectroscopy of Ce ³⁺ doped LiYF ₄ , LiLuF ₄ and LuF ₃ crystals. Journal of Luminescence, 2004, 110, 135-145.	3.1	1
137	VUV optical parameters of LiF and color-center formation mechanisms. Journal of Applied Spectroscopy, 1984, 40, 179-182.	0.7	0
138	Luminescence quantum yield and multiplication of electronic excitations in the corundum crystals. European Physical Journal B, 1999, 12, 31-33.	1.5	0
139	Luminescence and radiation defects in irradiated ruby. , 2012, , .		0
140	Luminescence spectroscopy of electron and neutron irradiated Al_2O_3 single crystals. , 2014, , .		0
141	A verification of the occurrence of the downconversion effect (transformation of a quantum of VUV) with Tb ³⁺ ions. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2014, 116, 760-763.	0.6	0
142	Red-Emitting Manganese Doped MgAl ₂ O ₄ Ceramic Spinel Studied by Time- and Temperature-Resolved Luminescence Spectroscopy. , 2021, , .		0
143	Low-temperature luminescence spectrum of forbidden 4f ¹³ → 4f ¹⁴ transitions in CaF ₂ :Lu ³⁺ crystal. Magnetic Resonance in Solids, 2019, 21, .	0.2	0
144	OPTICAL & SCINTILLATION PROPERTIES OF NONMETALS: INORGANIC SCINTILLATORS FOR RADIATION DETECTORS. , 2007, , 233-257.		0

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145	Red Phosphors Based on Mn-doped Fluorochlorozirconate Glasses for Warm White LEDs. , 2020, , .		0
146	Specific features of synthesis and luminescence for lithium–aluminum spinels doped with manganese ions. Journal of Luminescence, 2022, 248, 118942.	3.1	0