

Vladimir N Makhov

List of Publications by Year in descending order

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146
papers

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#	ARTICLE	IF	CITATIONS
1	Specific features of synthesis and luminescence for lithium ⁺ aluminum spinels doped with manganese ions. <i>Journal of Luminescence</i> , 2022, 248, 118942.	3.1	0
2	Spectroscopic studies on Pr ³⁺ doped YPO ₄ and LuPO ₄ upon vacuum ultraviolet (VUV) and synchrotron radiation excitation. <i>Chemical Physics</i> , 2022, 562, 111646.	1.9	4
3	Time- and Temperature-Dependent Luminescence of Manganese Ions in Ceramic Magnesium Aluminum Spinels. <i>Materials</i> , 2021, 14, 420.	2.9	13
4	Red-Emitting Manganese Doped MgAl ₂ O ₄ Ceramic Spinels Studied by Time- and Temperature-Resolved Luminescence Spectroscopy. , 2021, , .		0
5	Microwave-hydrothermal synthesis and investigation of Mn-doped K ₂ SiF ₆ microsize powder as a red phosphor for warm white LEDs. <i>Journal of Luminescence</i> , 2021, 239, 118389.	3.1	6
6	Luminescence of Fluorochlorozirconate Glasses Doped with Manganese Ions. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900457.	1.5	4
7	Luminescence Properties of Spinels Doped with Manganese Ions. <i>Russian Journal of Inorganic Chemistry</i> , 2020, 65, 1135-1141.	1.3	8
8	VUV spectroscopy of lanthanide doped fluoride crystals K ₂ YF ₅ . <i>Optical Materials</i> , 2020, 107, 110049.	3.6	7
9	Luminescence of MgAl ₂ O ₄ and ZnAl ₂ O ₄ spinel ceramics containing some 3d ions. <i>Ceramics International</i> , 2020, 46, 21351-21359.	4.8	32
10	Red Phosphors Based on Mn-doped Fluorochlorozirconate Glasses for Warm White LEDs. , 2020, , .		0
11	Time- and temperature-resolved luminescence spectroscopy of LiAl ₄ O ₆ F:Mn red phosphors. <i>Journal of Luminescence</i> , 2019, 216, 116754.	3.1	3
12	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. <i>Journal of Luminescence</i> , 2019, 209, 340-345.	3.1	16
13	Spectral Properties and Thermal Quenching of Mn ⁴⁺ Luminescence in Silicate Garnet Hosts Ca ₂ MgMAlSi ₂ O ₁₂ (M = Al, Ga, Sc). <i>Physics of the Solid State</i> , 2019, 61, 853-859.	0.6	1
14	Soft chemical synthesis and luminescent properties of Na ₃ Al ₂ Li ₃ F ₁₂ :Mn ⁴⁺ garnet-type nanophosphor. <i>Optical Materials</i> , 2019, 89, 340-343.	3.6	4
15	Optical Properties of Manganese-Activated Fluorozirconate Glasses. <i>Inorganic Materials</i> , 2019, 55, 1185-1188.	0.8	4
16	Low-temperature luminescence spectrum of forbidden 4f ¹³ → 4f ¹⁴ transitions in CaF ₂ :Lu ³⁺ crystal. <i>Magnetic Resonance in Solids</i> , 2019, 21, .	0.2	0
17	Composition dependent spectral shift of Mn ⁴⁺ luminescence in silicate garnet hosts Ca ₂ M ₂ Al ₂ SiO ₁₂ (M = Al, Ga, Sc). <i>Journal of Luminescence</i> , 2018, 198, 314-319.	3.1	33
18	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. <i>ECS Journal of Solid State Science and Technology</i> , 2018, 7, R3086-R3092.	1.8	53

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19	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 ^A = Al, Ga, Sc). <i>Dyes and Pigments</i> , 2018, 148, 189-195.	3.7	17
20	Thermal quenching of Mn ⁴⁺ luminescence in Sn ⁴⁺ -containing garnet hosts. <i>Optical Materials</i> , 2018, 84, 600-605.	3.6	9
21	Luminescence properties of silicate apatite phosphors M ₂ La ₈ Si ₆ O ₂₆ :Eu (M = Mg, Ca, Sr). <i>Journal of Luminescence</i> , 2017, 191, 51-55.	3.1	30
22	Site selective, time and temperature dependent spectroscopy of Eu ³⁺ doped apatites (Mg,Ca,Sr) ₂ Y ₈ Si ₆ O ₂₆ . <i>Journal of Luminescence</i> , 2017, 186, 205-211.	3.1	18
23	Extended broadband luminescence of dodecahedral multisite Ce ³⁺ ions in garnets {Y ₃ }[MgA](BAlSi)O ₁₂ (A ^A = Sc, Ga, Al; B ^A = Ga, Al). <i>Dyes and Pigments</i> , 2017, 142, 524-529.	3.7	22
24	Silicate apatite phosphors for pc-LED applications. <i>Proceedings of the Estonian Academy of Sciences</i> , 2017, 66, 383.	1.5	6
25	Thermal quenching of luminescence of BaY ₂ F ₈ crystals activated with Er ³⁺ and Tm ³⁺ ions. <i>Bulletin of the Lebedev Physics Institute</i> , 2016, 43, 348-351.	0.6	2
26	High-temperature VUV spectroscopy of KYF ₄ crystals doped with Nd ³⁺ , Er ³⁺ and Tm ³⁺ ions. <i>Radiation Measurements</i> , 2016, 90, 298-302.	1.4	1
27	Optical and luminescent VUV spectroscopy using synchrotron radiation. <i>Crystallography Reports</i> , 2016, 61, 886-896.	0.6	4
28	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⁺). <i>Optical Materials</i> , 2016, 55, 5-9.	3.6	1
29	Testing nanocrystalline CdWO ₄ doped with Yb ³⁺ as a possible down-conversion phosphor. <i>Radiation Measurements</i> , 2016, 90, 329-333.	1.4	9
30	Effect of local environment on crossluminescence kinetics in SrF ₂ :Ba and CaF ₂ :Ba solid solutions. <i>Journal of Luminescence</i> , 2015, 166, 137-142.	3.1	3
31	Luminescence of CsTaF ₆ Studied by VUV Spectroscopy. <i>Physics Procedia</i> , 2015, 76, 92-96.	1.2	1
32	Luminescence spectroscopy of electron and neutron irradiated α-Al ₂ O ₃ :O single crystals. , 2014, , .		0
33	Vacuum ultraviolet luminescence of wide band-gap solids studied using time-resolved spectroscopy with synchrotron radiation. <i>Physica Scripta</i> , 2014, 89, 044010.	2.5	16
34	Luminescence of YAG doped with Eu, Yb, and Mn ions under VUV excitation. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2014, 116, 748-753.	0.6	8
35	A verification of the occurrence of the downconversion effect (transformation of a quantum of VUV) Tj ETQq1 1 0.784314 rgBT /Over with Tb ³⁺ ions. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2014, 116, 760-763.	0.6	0
36	Photo-, radio- and thermoluminescence of Sm ³⁺ doped and Tb ³⁺ /Sm ³⁺ doubly doped K ₂ YF ₅ single crystals. <i>Journal of Luminescence</i> , 2013, 140, 82-86.	3.1	17

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37	Intrinsic and impurity luminescence of rare earth ions doped KYF ₄ nanophosphors. Radiation Measurements, 2013, 56, 393-396.	1.4	3
38	Band tail absorption saturation in CdWO ₄ with 100 fs laser pulses. Journal of Physics Condensed Matter, 2013, 25, 245901.	1.8	11
39	Luminescence and radiation defects in irradiated ruby. , 2012, , .		0
40	Crossluminescence of Nanosized KYF ₄ . IEEE Transactions on Nuclear Science, 2012, 59, 2102-2105.	2.0	6
41	5d ⁴ 4f luminescence of Ce ³⁺ , Gd ³⁺ and Lu ³⁺ in LiCaAlF ₆ . Journal of Luminescence, 2012, 132, 418-424.	3.1	20
42	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
43	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
44	Emission and Excitation Spectra of Ce ³⁺ and Pr ³⁺ Ions in Hexafluoroelpasolite Lattices. Journal of Physical Chemistry A, 2011, 115, 8870-8876.	2.5	25
45	4f ⁶ 5d Transitions of Tb ³⁺ in Cs ₂ NaYF ₆ : The Effect of Distortion of the Excited-State Configuration. Journal of Physical Chemistry A, 2011, 115, 9188-9191.	2.5	21
46	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
47	Thermoluminescence properties of isostructural K ₂ YF ₅ and K ₂ GdF ₅ crystals doped with Tb ³⁺ in response to $\dot{\Gamma}_1$, $\dot{\Gamma}_2$ and X-ray irradiation. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 3344-3350.	1.4	15
48	Upconverted 5d ⁴ 4f 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
49	Luminescence of singlet self-trapped excitons in MgF ₂ . Journal of Physics Condensed Matter, 2009, 21, 375501.	1.8	3
50	Multiplication of electronic excitations in nanophosphors Lu ₂ O ₃ :Eu ³⁺ and Lu ₂ O ₃ :Tb ³⁺ . Journal of Luminescence, 2009, 129, 1711-1714.	3.1	26
51	Luminescent protection against radiation damage in wide-gap materials. Journal of Luminescence, 2009, 129, 1894-1897.	3.1	11
52	5d ⁴ 4f luminescence of Er ³⁺ in YAG:Er ³⁺ . Optical Materials, 2009, 31, 1038-1041.	3.6	8
53	Emission spectra of lanthanide ions in hexafluoroelpasolite lattices excited by synchrotron radiation. Optical Materials, 2009, 31, 1729-1734.	3.6	11
54	Vacuum ultraviolet excitation spectra of lanthanide-doped hexafluoroelpasolites. Journal of Physics Condensed Matter, 2009, 21, 395504.	1.8	13

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55	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
56	Thermoluminescence of some doped fluoride crystals. Radiation Measurements, 2008, 43, 245-248.	1.4	14
57	Interplay of spin-allowed and spin-forbidden 5d [→] 4f luminescence from rare earth ions. Journal of Luminescence, 2008, 128, 725-727.	3.1	5
58	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
59	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
60	Deep VUV Scintillators for Detectors Working in Cryogenic Environment. IEEE Transactions on Nuclear Science, 2008, 55, 1437-1444.	2.0	10
61	VUV SPECTROSCOPY OF WIDE BAND-GAP CRYSTALS. , 2007, , 349-359.		3
62	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
63	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
64	Vacuum-ultraviolet 5d [→] 4f luminescence of Gd ³⁺ and Lu ³⁺ ions in fluoride matrices. Physical Review B, 2007, 75, .	3.2	56
65	Luminescence and excitation spectra of YAG:Nd ³⁺ excited by synchrotron radiation. Journal of Luminescence, 2007, 127, 397-403.	3.1	29
66	Luminescence excitation spectra of LiGdF ₄ and LiLuF ₄ in the region of interconfigurational \hat{a}^6 transitions in the and ions. Radiation Measurements, 2007, 42, 865-868.	1.4	1
67	VUV 5d \hat{a}^6 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
68	OPTICAL & SCINTILLATION PROPERTIES OF NONMETALS: INORGANIC SCINTILLATORS FOR RADIATION DETECTORS. , 2007, , 233-257.		0
69	Inter- and Intraconfigurational Transitions of Nd ³⁺ in Hexafluoroelpasolite Lattices. Journal of Physical Chemistry B, 2006, 110, 12113-12118.	2.6	15
70	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
71	Two-photon excitation to configuration of in crystal by KrF excimer laser. Journal of Luminescence, 2006, 119-120, 28-32.	3.1	20
72	<title>VUV luminescence of as-grown and electron irradiated corundum single crystals</title>. , 2005, 5946, 41.		2

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73	VUV-Luminescence and Excitation Spectra of the Heavy Trivalent Rare-Earth Ions in Fluoride Matrices. <i>Physics of the Solid State</i> , 2005, 47, 1416.	0.6	9
74	A comparative study of photoemission and cross luminescence from BaF ₂ . <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005, 537, 113-116.	1.6	7
75	Spectroscopy of cubic elpasolite Cs ₂ NaYF ₆ crystals singly doped with Er ³⁺ and Tm ³⁺ under selective VUV excitation. <i>Optical Materials</i> , 2005, 27, 1131-1137.	3.6	37
76	Spectra analysis of Tm ³⁺ in K ₂ YF ₅ . <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 1059-1063.	4.0	11
77	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
78	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
79	High-resolution vacuum ultraviolet spectroscopy of 5d ² 4f transitions in Gd and Lu fluorides. <i>Physical Review B</i> , 2004, 70, .	3.2	33
80	Low-temperature high-resolution VUV spectroscopy of Ce ³⁺ doped LiYF ₄ , LiLuF ₄ and LuF ₃ crystals. <i>Journal of Luminescence</i> , 2004, 110, 135-145.	3.1	30
81	Low-temperature high-resolution VUV spectroscopy of Ce ³⁺ doped LiYF ₄ , LiLuF ₄ and LuF ₃ crystals. <i>Journal of Luminescence</i> , 2004, 110, 135-145.	3.1	1
82	Excitation spectroscopy of K ₂ YF ₅ :Pr ³⁺ crystals. <i>Journal of Luminescence</i> , 2003, 101, 79-85.	3.1	29
83	Spectroscopic properties of Pr ³⁺ luminescence in complex fluoride crystals. <i>Journal of Luminescence</i> , 2003, 102-103, 638-643.	3.1	41
84	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
85	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
86	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
87	Spectral analysis of single-crystal LiKGdF ₅ :Er ³⁺ , Tb ³⁺ . <i>Journal of Physics Condensed Matter</i> , 2003, 15, 7117-7125.	1.8	7
88	VUV SPECTROSCOPY OF CRYSTALLINE EMITTERS BASED ON 5d ² 4f TRANSITIONS IN RARE EARTH IONS. <i>Surface Review and Letters</i> , 2002, 09, 621-626.	1.1	4
89	Inter and intraconfigurational luminescence of LiYF ₄ :Er ³⁺ under selective VUV excitation. , 2002, 4766, 154.		19
90	LUMINESCENCE PROPERTIES OF LiKGdF ₅ CRYSTALS DOPED WITH Er ³⁺ AND Tm ³⁺ AS PROMISING MATERIALS FOR VUV-EXCITED PHOSPHORS. <i>Surface Review and Letters</i> , 2002, 09, 271-276.	1.1	10

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91	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
92	Spectroscopic studies of Er ³⁺ centers in KYF ₄ . Journal of Alloys and Compounds, 2002, 341, 362-365.	5.5	12
93	Luminescence spectroscopy from the vacuum ultra-violet to the visible for Er ³⁺ and Tm ³⁺ in complex fluoride crystals. Optical Materials, 2002, 19, 365-376.	3.6	25
94	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
95	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
96	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
97	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
98	6d5f configuration of U ⁴⁺ doped into LiYF ₄ crystal. Journal of Luminescence, 2002, 97, 174-179.	3.1	13
99	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
100	VUV spectroscopy of wide band-gap crystals doped with rare earth ions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 470, 290-294.	1.6	26
101	VUV spectroscopy of a new fluoride system NaFâ€“(Er,Y)F ₃ . Optical Materials, 2001, 16, 437-444.	3.6	14
102	Site selective optical spectroscopy of Pr ³⁺ in CsGd ₂ F ₇ . Journal of Luminescence, 2001, 94-95, 97-100.	3.1	7
103	Luminescence of CsGd ₂ F ₇ :Er ³⁺ , Dy ³⁺ under VUV excitation. Journal of Luminescence, 2001, 94-95, 45-49.	3.1	24
104	PHONON BROADENING OF EMISSION SPECTRA FOR STE AND AUGER-FREE LUMINESCENCE. International Journal of Modern Physics B, 2001, 15, 4032-4035.	2.0	5
105	VUV spectroscopy of KYF ₄ crystals doped with Nd ³⁺ , Er ³⁺ and Tm ³⁺ . Optics Communications, 2000, 184, 183-193.	2.1	56
106	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
107	VUV emission of rare-earth ions doped into fluoride crystals. Journal of Luminescence, 2000, 87-89, 1005-1007.	3.1	27
108	Enhancement of optical luminescence of solids using a capillary lens. Synchrotron Radiation News, 2000, 13, 20-23.	0.8	6

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109	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
110	Crossluminescence at high temperatures. Journal of Electron Spectroscopy and Related Phenomena, 1999, 101-103, 817-820.	1.7	16
111	Luminescence Excitation and Influence of Radiation on the Stimulated Processes in Corundum Crystals. Physica Status Solidi A, 1999, 171, 623-629.	1.7	1
112	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
113	Luminescence quantum yield and multiplication of electronic excitations in the corundum crystals. European Physical Journal B, 1999, 12, 31-33.	1.5	0
114	Luminescence property studies of - by means of nanosecond time-resolved VUV spectroscopy. European Physical Journal B, 1999, 12, 35-38.	1.5	1
115	<title>Optical luminescence of solids under focusing of soft x rays by capillary systems</title> . , 1999, , .		2
116	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
117	VUV emission of Er ³⁺ and Tm ³⁺ in fluoride crystals. Journal of Luminescence, 1998, 78, 91-96.	3.1	28
118	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
119	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
120	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
121	Emission properties of Nd ³⁺ in several fluoride crystals. Journal of Luminescence, 1997, 72-74, 146-148.	3.1	7
122	Temperature dependence of cross-luminescence bandwidth. Journal of Luminescence, 1997, 72-74, 114-115.	3.1	9
123	Time resolved luminescence spectroscopy of wide bandgap insulators. Journal of Electron Spectroscopy and Related Phenomena, 1996, 79, 99-102.	1.7	5
124	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
125	Luminescence of color centers in $\hat{1}\pm$ -Al ₂ O ₃ single crystals. Journal of Applied Spectroscopy, 1995, 62, 585-588.	0.7	3
126	Cross-luminescence of several complex fluorides excited by synchrotron radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 359, 351-353.	1.6	20

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127	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
128	Temperature dependence of crossluminescence characteristics in CsCl and CsBr in the 20–300 K range. Radiation Effects and Defects in Solids, 1995, 135, 349-354.	1.2	4
129	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
130	Radiation processes on the surface of irradiated corundum monocrystals. Radiation Effects and Defects in Solids, 1995, 136, 257-260.	1.2	3
131	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
132	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
133	Application of the pulsed synchrotron radiation for investigation of the fast crystalline scintillators. Review of Scientific Instruments, 1992, 63, 1466-1468.	1.3	4
134	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
135	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
136	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
137	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
138	Electronic properties of crystalline quartz excited by photons in the 5–25 eV range. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 282, 580-582.	1.6	15
139	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
140	Determination of fluorescent probes localization in membranes by nonradiative energy transfer. Journal of Proteomics, 1989, 19, 259-274.	2.4	19
141	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
142	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
143	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
144	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

#	ARTICLE	IF	CITATIONS
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