

# Marco Kirm

## List of Publications by Year in descending order

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275  
papers

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citations

109321

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278  
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278  
docs citations

278  
times ranked

2944  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical characterization of HfO <sub>2</sub> thin films grown by atomic layer deposition. Thin Solid Films, 2004, 466, 41-47.	1.8	175
2	Thin films of HfO <sub>2</sub> and ZrO <sub>2</sub> as potential scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 251-255.	1.6	116
3	Self-trapping and multiplication of electronic excitations in Al <sub>2</sub> O <sub>3</sub> and Al <sub>2</sub> O <sub>3</sub> :Sc crystals. Physical Review B, 1999, 60, 502-510.	3.2	103
4	Luminescent properties of blue-emitting long afterglow phosphors Sr <sub>2-x</sub> Ca <sub>x</sub> MgSi <sub>2</sub> O <sub>7</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> (, 1). Journal of Luminescence, 2006, 118, 70-78.	3.1	84
5	Secondary excitons in alkali halide crystals. Physical Review B, 1996, 53, 5379-5387.	3.2	79
6	Argon 3s autoionization resonances. Physical Review A, 1994, 50, 1218-1230.	2.5	76
7	Excitonic and recombination processes in CaWO <sub>4</sub> and CdWO <sub>4</sub> scintillators under synchrotron irradiation. Radiation Measurements, 1998, 29, 247-250.	1.4	74
8	Energy transfer in ZnWO <sub>4</sub> and CdWO <sub>4</sub> scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 486, 395-398.	1.6	72
9	Luminescence of free and self-trapped excitons in wide-gap oxides. Journal of Luminescence, 2000, 87-89, 232-234.	3.1	71
10	Luminescence properties of YPO <sub>4</sub> :Nd <sup>3+</sup> : 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
11	Charge transfer fluorescence and f <sup>4</sup> luminescence in ytterbium compounds. Optical Materials, 2003, 24, 267-274.	3.6	61
12	Luminescence of RE-ions in HfO <sub>2</sub> thin films and some possible applications. Optical Materials, 2006, 28, 1238-1242.	3.6	61
13	VUV spectroscopy of KYF <sub>4</sub> crystals doped with Nd <sup>3+</sup> , Er <sup>3+</sup> and Tm <sup>3+</sup> . Optics Communications, 2000, 184, 183-193.	2.1	56
14	Vacuum-ultraviolet f <sup>4</sup> luminescence of Gd <sup>3+</sup> and Lu <sup>3+</sup> ions in fluoride matrices. Physical Review B, 2007, 75, .	3.2	56
15	Luminescence and radiation defects in electron-irradiated Al <sub>2</sub> O <sub>3</sub> and Al <sub>2</sub> O <sub>3</sub> :Cr. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 2949-2952.	1.4	55
16	Photoluminescence characterization of pure and Sm <sup>3+</sup> -doped thin metaloxide films. Applied Surface Science, 2005, 247, 412-417.	6.1	54
17	Narrow Band Deep Red Photoluminescence of Y <sub>2</sub> Mg <sub>3</sub> Ge <sub>3</sub> O <sub>12</sub> :Mn <sup>4+</sup> , Li <sup>+</sup> Inverse Garnet for High Power Phosphor Converted LEDs. ECS Journal of Solid State Science and Technology, 2018, 7, R3086-R3092.	1.8	53
18	On the use of CdSe scintillating nanoplatelets as time taggers for high-energy gamma detection. Npj 2D Materials and Applications, 2019, 3, .	7.9	53

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19	Exciton-exciton interactions in $\text{CdWO}_4$ by intense femtosecond vacuum ultraviolet pulses. <i>Physical Review B</i> , 2009, 79, .	3.4	52
20	Separation of excitonic and electron-hole processes in metal tungstates. <i>Journal of Luminescence</i> , 2003, 102-103, 597-603.	3.1	51
21	New features of hot intraband luminescence for fast timing. <i>Journal of Luminescence</i> , 2016, 176, 309-317.	3.1	51
22	Persistent luminescence and synchrotron radiation study of the : materials. <i>Radiation Measurements</i> , 2007, 42, 644-647.	1.4	47
23	Self-trapped excitons in $\text{LiB}_3\text{O}_5$ and $\text{Li}_2\text{B}_4\text{O}_7$ lithium borates: Time-resolved low-temperature luminescence VUV spectroscopy. <i>Physics of the Solid State</i> , 2000, 42, 464-472.	0.6	46
24	Vacuum ultraviolet spectra and crystal field analysis of $\text{YAlO}_3$ doped with $\text{Nd}^{3+}$ and $\text{Er}^{3+}$ . <i>Physical Review B</i> , 2007, 75, .	3.2	42
25	Spectroscopic properties of $\text{Pr}^{3+}$ luminescence in complex fluoride crystals. <i>Journal of Luminescence</i> , 2003, 102-103, 638-643.	3.1	41
26	Progress in development of a new luminescence setup at the FinEstBeAMS beamline of the MAX IV laboratory. <i>Radiation Measurements</i> , 2019, 121, 91-98.	1.4	39
27	Defect creation caused by the decay of cation excitons and hot electron-hole recombination in wide-gap dielectrics. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2006, 250, 330-336.	1.4	38
28	Multiplication of electronic excitations in $\text{CaO}$ and $\text{YAlO}_3$ crystals with free and self-trapped excitons. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 11177-11187.	1.8	37
29	Creation of stable Frenkel defects by vacuum uv radiation in $\text{KBr}$ crystals under conditions of multiplication of electronic excitations. <i>Physical Review B</i> , 1995, 52, 10069-10072.	3.2	37
30	Photoluminescent Properties of $\text{ZnO}$ Films Deposited on $\text{Si}$ Substrates. <i>Chinese Physics Letters</i> , 2001, 18, 441-442.	3.3	37
31	Luminescence of pure and doped $\text{Al}_2\text{O}_3$ and $\text{MgO}$ single crystals under inner-shell excitation. <i>Journal of Luminescence</i> , 2003, 102-103, 307-312.	3.1	37
32	Spectroscopy of cubic elpasolite $\text{Cs}_2\text{NaYF}_6$ crystals singly doped with $\text{Er}^{3+}$ and $\text{Tm}^{3+}$ under selective VUV excitation. <i>Optical Materials</i> , 2005, 27, 1131-1137.	3.6	37
33	Radiation resistance diagnostics of wide-gap optical materials. <i>Optical Materials</i> , 2016, 55, 164-167.	3.6	37
34	Excitonic and electron-hole mechanisms of the creation of Frenkel defect in alkali halides. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2000, 166-167, 529-537.	1.4	36
35	Direct excitation of $\text{Tl}^+$ -impurity ions by hot photoelectrons in wide-gap crystals. <i>Physical Review B</i> , 1997, 56, 13908-13915.	3.2	35
36	Electronic structure of the $\text{Sr}_2\text{MgSi}_2\text{O}_7:\text{Eu}^{2+}$ persistent luminescence material. <i>Journal of Luminescence</i> , 2009, 129, 1560-1563.	3.1	35

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37	Dependence of the efficiency of various emissions on excitation density in BaF <sub>2</sub> crystals. Radiation Measurements, 2001, 33, 515-519.	1.4	34
38	Luminescence study of pure and Fe- or Mo-doped ZnWO <sub>4</sub> crystals. Radiation Measurements, 2004, 38, 519-522.	1.4	34
39	High-resolution vacuum ultraviolet spectroscopy of 5d <sup>n</sup> 4f transitions in Gd and Lu fluorides. Physical Review B, 2004, 70, .	3.2	33
40	Luminescent properties of Gd <sub>2</sub> SiO <sub>5</sub> powder doped with Eu <sup>3+</sup> under VUV and UV excitation. Journal of Physics Condensed Matter, 2005, 17, 1217-1224.	1.8	33
41	Composition dependent spectral shift of Mn <sup>4+</sup> luminescence in silicate garnet hosts Ca <sub>2</sub> M <sub>2</sub> Al <sub>2</sub> SiO <sub>12</sub> (M = Al, Ga, Sc). Journal of Luminescence, 2018, 198, 314-319.	3.1	33
42	Multiplication mechanisms of electronic excitations in KBr and KBr:Tl crystals. Physical Review B, 1994, 50, 6500-6503.	3.2	32
43	Intrinsic and impurity luminescence and multiplication of excitations in complex oxides. Journal of Luminescence, 2003, 102-103, 38-43.	3.1	32
44	Ab-initio studies of the electronic and optical properties of ZnWO <sub>4</sub> and CdWO <sub>4</sub> single crystals. Materials Chemistry and Physics, 2012, 134, 1113-1120.	4.0	31
45	Scintillation yield of hot intraband luminescence. Journal of Luminescence, 2018, 198, 260-271.	3.1	31
46	Low-temperature high-resolution VUV spectroscopy of Ce <sup>3+</sup> doped LiYF <sub>4</sub> , LiLuF <sub>4</sub> and LuF <sub>3</sub> crystals. Journal of Luminescence, 2004, 110, 135-145.	3.1	30
47	VUV spectroscopy of pure and Tm <sup>3+</sup> -doped LiCaAlF <sub>6</sub> crystals. Journal of Luminescence, 2007, 124, 279-285.	3.1	30
48	Investigation of Cu-doped Li <sub>2</sub> B <sub>4</sub> O <sub>7</sub> single crystals by electron paramagnetic resonance and time-resolved optical spectroscopy. Journal of Physics Condensed Matter, 2008, 20, 025216.	1.8	30
49	Luminescence properties of silicate apatite phosphors M <sub>2</sub> La <sub>8</sub> Si <sub>6</sub> O <sub>26</sub> :Eu (M = Mg, Ca, Sr). Journal of Luminescence, 2017, 191, 51-55.	3.1	30
50	Luminescence and excitation spectra of YAG:Nd <sup>3+</sup> excited by synchrotron radiation. Journal of Luminescence, 2007, 127, 397-403.	3.1	29
51	Intrinsic luminescence in yttrium trifluoride. Journal of Luminescence, 2005, 113, 143-150.	3.1	28
52	Vacuum ultraviolet silicon photomultipliers applied to BaF <sub>2</sub> cross-luminescence detection for high-rate ultrafast timing applications. Physics in Medicine and Biology, 2021, 66, 114002.	3.0	28
53	Performance and characterization of the FinEstBeAMS beamline at the MAX <sup>Å</sup> IV Laboratory. Journal of Synchrotron Radiation, 2021, 28, 1620-1630.	2.4	28
54	VUV emission of rare-earth ions doped into fluoride crystals. Journal of Luminescence, 2000, 87-89, 1005-1007.	3.1	27

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55	Study of oriented CdWO <sub>4</sub> scintillating crystals using synchrotron radiation. Radiation Measurements, 2001, 33, 601-604.	1.4	27
56	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
57	Influence of excitation density on luminescence decay in Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Ce and BaF <sub>2</sub> crystals excited by free electron laser radiation in VUV. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 649-652.	0.8	26
58	Luminescence of ZrO <sub>2</sub> and HfO <sub>2</sub> thin films implanted with Eu and Er ions. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 938-941.	0.8	26
59	Multiplication of electronic excitations in nanophosphors Lu <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> and Lu <sub>2</sub> O <sub>3</sub> :Tb <sup>3+</sup> . Journal of Luminescence, 2009, 129, 1711-1714.	3.1	26
60	VUV spectroscopy of pure LiCaAlF <sub>6</sub> crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 291-294.	1.6	25
61	Exciton-Exciton Interaction in CdWO <sub>4</sub> Under Resonant Excitation by Intense Femtosecond Laser Pulses. IEEE Transactions on Nuclear Science, 2010, 57, 1182-1186.	2.0	25
62	Identification of F <sup>+</sup> centers in hafnia and zirconia nanopowders. Radiation Measurements, 2016, 90, 84-89.	1.4	24
63	Low temperature optical spectroscopy of nonlinear BBO crystals. Physica Scripta, 1996, 54, 542-544.	2.5	22
64	Optical Functions and Luminescence Quantum Yield of Lead Tungstate. Physica Status Solidi A, 1998, 170, 167-173.	1.7	22
65	Crystal Structure, Electronic Structure, and Luminescence of Cs <sub>2</sub> KYF <sub>6</sub> :Pr <sup>3+</sup> . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 3046-3052.	1.2	22
66	VUV spectroscopy and electronic excitations in nano-size alumina. Radiation Measurements, 2010, 45, 618-620.	1.4	22
67	Relaxation of electronic excitations in beryllium oxide: A time-resolved vacuum-UV spectroscopy study. Physics of the Solid State, 2001, 43, 1233-1240.	0.6	21
68	Multiplication of anion and cation electronic excitations in wide-gap KCl and CsCl crystals. Solid State Communications, 1994, 90, 741-744.	1.9	20
69	Low-temperature time-resolved vacuum ultraviolet spectroscopy of self-trapped excitons in KH <sub>2</sub> PO <sub>4</sub> crystals. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2003, 95, 385-389.	0.6	20
70	VUV spectroscopy of Tm <sup>3+</sup> and Mn <sup>2+</sup> doped LiSrAlF <sub>6</sub> . Journal of Alloys and Compounds, 2004, 374, 36-39.	5.5	20
71	Intrinsic luminescence in oriented BeO crystals under VUV and inner-shell excitation. Radiation Measurements, 2007, 42, 742-745.	1.4	20
72	5d-4f luminescence of Ce <sup>3+</sup> , Gd <sup>3+</sup> and Lu <sup>3+</sup> in LiCaAlF <sub>6</sub> . Journal of Luminescence, 2012, 132, 418-424.	3.1	20

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73	Studies of fluorescence from photoionization and photodissociation of N <sub>2</sub> induced by 16-40 eV synchrotron radiation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1993, 26, 4483-4490.	1.5	19
74	Thermoluminescence from solid krypton crystal. <i>Journal of Luminescence</i> , 1994, 60-61, 611-613.	3.1	19
75	Inter and intraconfigurational luminescence of LiYF <sub>4</sub> :Er <sup>3+</sup> under selective VUV excitation. , 2002, 4766, 154.		19
76	Fast luminescence of HfO <sub>2</sub> :Yb <sub>2</sub> O <sub>3</sub> and ZrO <sub>2</sub> :Yb <sub>2</sub> O <sub>3</sub> solid solutions. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 486, 234-238.	1.6	19
77	6d <sup>5</sup> f and 5f <sup>2</sup> configurations of U <sup>4+</sup> doped into LiYF <sub>4</sub> and YF <sub>3</sub> crystals. <i>Journal of Luminescence</i> , 2003, 104, 85-92.	3.1	19
78	Gas-phase endstation of electron, ion and coincidence spectroscopies for diluted samples at the FinEstBeAMS beamline of the MAX-IV 1.5-GeV storage ring. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 1080-1091.	2.4	19
79	Dissociative photoexcitation of CH <sub>4</sub> and CD <sub>4</sub> . <i>Chemical Physics Letters</i> , 1995, 232, 554-560.	2.6	18
80	Creation of groups of spatially correlated defects in a KBr crystal at 8 K. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 3509-3521.	1.8	18
81	Electronic excitations and luminescence in CsLiB <sub>6</sub> O <sub>10</sub> crystals. <i>Physics of the Solid State</i> , 2000, 42, 1846-1853.	0.6	18
82	Luminescence characterization of ultrathin MgO films of high crystallinity prepared by pulsed laser deposition. <i>Journal of Materials Science: Materials in Electronics</i> , 2009, 20, 321-325.	2.2	18
83	Synthesis and luminescence properties of Ce <sup>3+</sup> doped nanoporous 12CaO·7Al <sub>2</sub> O <sub>3</sub> powders and ceramics. <i>Optical Materials</i> , 2010, 32, 784-788.	3.6	18
84	Site selective, time and temperature dependent spectroscopy of Eu <sup>3+</sup> doped apatites (Mg,Ca,Sr) <sub>2</sub> Y <sub>8</sub> Si <sub>6</sub> O <sub>26</sub> . <i>Journal of Luminescence</i> , 2017, 186, 205-211.	3.1	18
85	Intraband luminescence excited in new ways: Low-power x-ray and electron beams. <i>Journal of Luminescence</i> , 2017, 191, 61-67.	3.1	18
86	Mechanisms of intrinsic and impurity luminescence excitation by synchrotron radiation in wide-gap oxides. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1996, 79, 91-94.	1.7	17
87	Luminescence of the hydrogen bonded crystals. <i>Radiation Measurements</i> , 2007, 42, 746-750.	1.4	17
88	Spark plasma sintering of ultra-porous $\hat{1}^3$ -Al <sub>2</sub> O <sub>3</sub> . <i>Ceramics International</i> , 2016, 42, 11709-11715.	4.8	17
89	Synthesis and luminescence properties of BaHfO <sub>3</sub> :Pr ceramics. <i>Journal of Luminescence</i> , 2017, 189, 148-152.	3.1	17
90	Saturation of a Ce:Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> scintillator response to ultra-short pulses of extreme ultraviolet soft X-ray and X-ray laser radiation. <i>Optical Materials Express</i> , 2017, 7, 665.	3.0	17

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91	Time-resolved luminescent VUV spectroscopy of F- and F <sup>+</sup> -centres in single BeO crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 470, 353-357.	1.6	16
92	Zero-phonon lines in the d <sup>4</sup> f luminescence of LiYF <sub>4</sub> : Er <sup>3+</sup> . Physica Status Solidi (B): Basic Research, 2003, 240, R1-R3.	1.5	16
93	Energy transfer in pure and Ce-doped LiCaAlF <sub>6</sub> and LiSrAlF <sub>6</sub> crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 266-270.	1.6	16
94	VUV spectroscopy of Eu doped LiCaAlF <sub>6</sub> and LiSrAlF <sub>6</sub> crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 418-421.	0.8	16
95	Creation of groups of spatially correlated excitations in wide-gap solids. Physica Status Solidi A, 2005, 202, 213-220.	1.7	16
96	Spectral-kinetic study of self-trapping and multiplication of electronic excitations in Al <sub>2</sub> O <sub>3</sub> crystals. Journal of Electron Spectroscopy and Related Phenomena, 1999, 101-103, 587-591.	1.7	15
97	Emission decay kinetics in a CaWO <sub>4</sub> :Bi crystal. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 61-65.	1.6	15
98	Inter- and Intraconfigurational Transitions of Nd <sup>3+</sup> in Hexafluoroelpasolite Lattices. Journal of Physical Chemistry B, 2006, 110, 12113-12118.	2.6	15
99	VUV emission of stoichiometric Er <sup>3+</sup> - and Tm <sup>3+</sup> -containing fluoride crystals. Journal of Electron Spectroscopy and Related Phenomena, 1999, 101-103, 579-582.	1.7	14
100	VUV spectroscopy of a new fluoride system NaFâ€“(Er,Y)F <sub>3</sub> . Optical Materials, 2001, 16, 437-444.	3.6	14
101	A luminescence spectroscopy and theoretical study of 4fâ€“5d transitions of Ce <sup>3+</sup> ions in SrAlF <sub>5</sub> crystals. Journal of Physics Condensed Matter, 2011, 23, 105501.	1.8	14
102	Multiplication of electronâ€“hole pairs in MgO crystals and ceramics. Nuclear Instruments & Methods in Physics Research B, 1998, 141, 431-435.	1.4	13
103	An Analysis of Electron-Hole Recombination in Solid Xenon with Time-Resolved Luminescence Spectroscopy. Physica Status Solidi (B): Basic Research, 1999, 214, 81-90.	1.5	13
104	Excitonic and electron-hole processes in NaCl and NaCl:Ag crystals under conditions of multiplication of electronic excitations. Journal of Physics Condensed Matter, 2000, 12, 1991-2005.	1.8	13
105	6d5f configuration of U <sup>4+</sup> doped into LiYF <sub>4</sub> crystal. Journal of Luminescence, 2002, 97, 174-179.	3.1	13
106	Investigation of possible replacement of protective magnesium oxide layer in plasma display panels by barium ternary oxides. Journal Physics D: Applied Physics, 2007, 40, 4503-4507.	2.8	13
107	Self-quenching effects of excitons in CaWO <sub>4</sub> under high density XUV free electron laser excitation. Physics of the Solid State, 2008, 50, 1789-1794.	0.6	13
108	Vacuum ultraviolet excitation spectra of lanthanide-doped hexafluoroelpasolites. Journal of Physics Condensed Matter, 2009, 21, 395504.	1.8	13

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109	Upconverted 5d <sup>4</sup> f luminescence from Er <sup>3+</sup> and Nd <sup>3+</sup> ions doped into fluoride hosts excited by ArF and KrF excimer lasers. Optics Communications, 2010, 283, 49-53.	2.1	13
110	5d-4f Emission of Nd <sup>3+</sup> , Sm <sup>3+</sup> , Ho <sup>3+</sup> , Er <sup>3+</sup> , Tm <sup>3+</sup> Ions in Alkaline Earth Fluorides. IEEE Transactions on Nuclear Science, 2012, 59, 2074-2078.	2.0	13
111	Title is missing!. Journal of Low Temperature Physics, 1998, 111, 739-745.	1.4	12
112	Direct excitation of impurity centres by hot photoelectrons in ionic crystals. Radiation Measurements, 1998, 29, 229-234.	1.4	12
113	Relaxation, self-trapping, and decay of electron excitations in wide-gap oxides. Russian Physics Journal, 2000, 43, 171-180.	0.4	12
114	CONTROL OF EXCITONIC AND ELECTRON-HOLE PROCESSES IN WIDE-GAP CRYSTALS BY MEANS OF ELASTIC UNIAXIAL STRESS. Surface Review and Letters, 2002, 09, 299-304.	1.1	12
115	VUV 5d-4f luminescence of Gd <sup>3+</sup> and Lu <sup>3+</sup> ions in the CaF <sub>2</sub> host. Physics of the Solid State, 2008, 50, 1625-1630.	0.6	12
116	Luminescence study of alumina nanopowders prepared by various methods. Radiation Measurements, 2016, 90, 75-79.	1.4	12
117	Extended analysis of intensity anomalies in the Al I isoelectronic sequence. Physica Scripta, 1995, 52, 516-521.	2.5	11
118	Experimental investigation of atomic lifetimes for the 2p <sup>5</sup> 3l levels in Ne-like sulphur. Physica Scripta, 1996, 54, 167-173.	2.5	11
119	VUV-radiation induced creation of intrinsic neutral and charged centers in rare gas crystals. Journal of Electron Spectroscopy and Related Phenomena, 1999, 101-103, 479-483.	1.7	11
120	CATION AND ANION ELECTRONIC EXCITATIONS IN MgO AND BaF <sub>2</sub> CRYSTALS UNDER EXCITATION BY PHOTONS UP TO 75 eV. Surface Review and Letters, 2002, 09, 1363-1368.	1.1	11
121	A time-resolved luminescence spectroscopy study of self-trapped excitons in KH <sub>2</sub> PO <sub>4</sub> crystals. Radiation Measurements, 2004, 38, 331-334.	1.4	11
122	Time-Resolved Vacuum Ultraviolet Spectroscopy of Er <sup>3+</sup> Ions in the SrF <sub>2</sub> Crystal. Journal of Applied Spectroscopy, 2005, 72, 564-568.	0.7	11
123	Electronic transitions in Li <sub>2</sub> B <sub>4</sub> O <sub>7</sub> :Cu single crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 885-888.	0.8	11
124	Emission spectra of lanthanide ions in hexafluoroelpasolite lattices excited by synchrotron radiation. Optical Materials, 2009, 31, 1729-1734.	3.6	11
125	The luminescence microspectroscopy of Pr <sup>3+</sup> -doped LiBaAlF <sub>6</sub> and Ba <sub>3</sub> Al <sub>2</sub> F <sub>12</sub> crystals. Radiation Measurements, 2013, 56, 49-53.	1.4	11
126	Band tail absorption saturation in CdWO <sub>4</sub> with 100 fs laser pulses. Journal of Physics Condensed Matter, 2013, 25, 245901.	1.8	11



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127	Electron excitations in LiB <sub>3</sub> O <sub>5</sub> crystals with defects: Low-temperature time-resolved luminescence VUV spectroscopy. <i>Physics of the Solid State</i> , 2001, 43, 1454-1463.	0.6	10
128	LUMINESCENCE PROPERTIES OF LiKGdF <sub>5</sub> CRYSTALS DOPED WITH Er <sup>3+</sup> AND Tm <sup>3+</sup> AS PROMISING MATERIALS FOR VUV-EXCITED PHOSPHORS. <i>Surface Review and Letters</i> , 2002, 09, 271-276.	1.1	10
129	VUV luminescence of BaF <sub>2</sub> , BaF <sub>2</sub> :Nd and BaY <sub>2</sub> F <sub>8</sub> crystals under inner-shell excitation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 486, 422-425.	1.6	10
130	Optical transitions in pairs of trivalent ion-interstitial fluorine in alkaline-earth fluorides. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 670-676.	1.8	10
131	Deep VUV Scintillators for Detectors Working in Cryogenic Environment. <i>IEEE Transactions on Nuclear Science</i> , 2008, 55, 1437-1444.	2.0	10
132	Luminescence spectroscopy of nanocrystalline MgO. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 2669-2672.	0.8	10
133	Luminescent materials with photon multiplication. , 1997, , .		9
134	Creation of electronic polaron complexes in solid xenon observed in free-exciton luminescence under selective photon excitation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1999, 101-103, 879-884.	1.7	9
135	Creation of F centres and multiplication of electronic excitations in Na <sub>6</sub> Al <sub>6</sub> Si <sub>6</sub> O <sub>24</sub> (NaBr) <sub>2</sub> optical ceramics under VUV irradiation. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 6133-6149.	1.8	9
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