

Marco Kirm

List of Publications by Year in descending order

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275
papers

4,549
citations

125106

35
h-index

206121

51
g-index

278
all docs

278
docs citations

278
times ranked

3179
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-resolved luminescence spectroscopy of ultrafast emissions in BaGeF ₆ . Journal of Luminescence, 2022, 244, 118729.	1.5	2
2	Spectroscopic studies on Pr ³⁺ doped YPO ₄ and LuPO ₄ upon vacuum ultraviolet (VUV) and synchrotron radiation excitation. Chemical Physics, 2022, 562, 111646.	0.9	4
3	Phase transition, radio- and photoluminescence of K ₃ Lu(PO ₄) ₂ doped with Pr ³⁺ ions. Journal of Luminescence, 2021, 230, 117749.	1.5	9
4	Vacuum ultraviolet silicon photomultipliers applied to BaF ₂ cross-luminescence detection for high-rate ultrafast timing applications. Physics in Medicine and Biology, 2021, 66, 114002.	1.6	28
5	Performance and characterization of the FinEstBeAMS beamline at the MAX ^Å IV Laboratory. Journal of Synchrotron Radiation, 2021, 28, 1620-1630.	1.0	28
6	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.	1.5	6
7	Relaxation of electronic excitations in K ₂ GeF ₆ studied by means of time-resolved luminescence spectroscopy under VUV and pulsed electron beam excitation. Journal of Alloys and Compounds, 2021, 883, 160916.	2.8	5
8	Luminescence properties and energy transfer processes in LiSrPO ₄ doped with Pr ³⁺ and co-doped with Na ⁺ and Mg ²⁺ . Journal of Luminescence, 2021, 240, 118455.	1.5	0
9	Luminescence of Fluorochlorozirconate Glasses Doped with Manganese Ions. Physica Status Solidi (B): Basic Research, 2020, 257, 1900457.	0.7	4
10	Energy transfer to luminescent impurity by thermally quenching excitons in CdWO ₄ :Sm. Journal of Luminescence, 2020, 228, 117609.	1.5	7
11	Ultrafast Radiative Relaxation Processes in Multication Cross-Luminescence Materials. IEEE Transactions on Nuclear Science, 2020, 67, 1009-1013.	1.2	5
12	Decay Kinetics of CeF ₃ under VUV and X-ray Synchrotron Radiation. Symmetry, 2020, 12, 914.	1.1	8
13	Gas-phase endstation of electron, ion and coincidence spectroscopies for diluted samples at the FinEstBeAMS beamline of the MAX ^Å IV 1.5-GeV storage ring. Journal of Synchrotron Radiation, 2020, 27, 1080-1091.	1.0	19
14	Energy Transfer in LiSrPO ₄ Doped with Pr ³⁺ and Co-Doped with Dy ³⁺ , Sm ³⁺ . , 2020, , .		0
15	On the use of CdSe scintillating nanoplatelets as time taggers for high-energy gamma detection. Npj 2D Materials and Applications, 2019, 3, .	3.9	53
16	Spectral Properties and Thermal Quenching of Mn ⁴⁺ Luminescence in Silicate Garnet Hosts Ca ₂ MgMA ₃ Si ₂ O ₁₂ (M = Al, Ga, Sc). Physics of the Solid State, 2019, 61, 853-859.	0.2	1
17	Relaxation of intrinsic and extrinsic electronic excitations in nano- and micro-size alumina. Optical Materials, 2019, 91, 120-125.	1.7	3
18	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.	1.7	4

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19	Progress in development of a new luminescence setup at the FinEstBeAMS beamline of the MAX IV laboratory. Radiation Measurements, 2019, 121, 91-98.	0.7	39
20	Low-temperature luminescence spectrum of forbidden 4f 135d ⁴ f 14 transitions in CaF ₂ :Lu ³⁺ crystal. Magnetic Resonance in Solids, 2019, 21, .	0.2	0
21	New Properties and Prospects of Hot Intraband Luminescence for Fast timing. Springer Proceedings in Physics, 2019, , 41-53.	0.1	2
22	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.	1.5	33
23	Scintillation yield of hot intraband luminescence. Journal of Luminescence, 2018, 198, 260-271.	1.5	31
24	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.	0.9	53
25	Thermal quenching of Mn ⁴⁺ luminescence in Sn ⁴⁺ -containing garnet hosts. Optical Materials, 2018, 84, 600-605.	1.7	9
26	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.	1.5	30
27	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.	1.5	18
28	Intraband luminescence excited in new ways: Low-power x-ray and electron beams. Journal of Luminescence, 2017, 191, 61-67.	1.5	18
29	Effect of an electron beam irradiation on optical and luminescence properties of LiBaAlF ₆ single crystals. Optical Materials, 2017, 69, 344-351.	1.7	4
30	Luminescence properties of Er ³⁺ doped zirconia thin films and ZrO ₂ /Er ₂ O ₃ nanolaminates grown by atomic layer deposition. Optical Materials, 2017, 74, 27-33.	1.7	4
31	Synthesis and luminescence properties of BaHfO ₃ : Pr ceramics. Journal of Luminescence, 2017, 189, 148-152.	1.5	17
32	Saturation of a Ce:Y ₃ Al ₅ O ₁₂ scintillator response to ultra-short pulses of extreme ultraviolet soft X-ray and X-ray laser radiation. Optical Materials Express, 2017, 7, 665.	1.6	17
33	Silicate apatite phosphors for pc-LED applications. Proceedings of the Estonian Academy of Sciences, 2017, 66, 383.	0.9	6
34	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.	0.1	2
35	New features of hot intraband luminescence for fast timing. Journal of Luminescence, 2016, 176, 309-317.	1.5	51
36	Spark plasma sintering of ultra-porous $\hat{3}$ -Al ₂ O ₃ . Ceramics International, 2016, 42, 11709-11715.	2.3	17

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37	High-temperature VUV spectroscopy of KYF4 crystals doped with Nd ³⁺ , Er ³⁺ and Tm ³⁺ ions. Radiation Measurements, 2016, 90, 298-302.	0.7	1
38	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.	1.7	1
39	Radiation resistance diagnostics of wide-gap optical materials. Optical Materials, 2016, 55, 164-167.	1.7	37
40	Identification of F ⁺ centers in hafnia and zirconia nanopowders. Radiation Measurements, 2016, 90, 84-89.	0.7	24
41	Luminescence study of alumina nanopowders prepared by various methods. Radiation Measurements, 2016, 90, 75-79.	0.7	12
42	Intrinsic and defect related luminescence in double oxide films of Al ³⁺ -Hf ⁴⁺ -O system under soft X-ray and VUV excitation. Journal of Luminescence, 2016, 170, 161-167.	1.5	9
43	Nonlinear Interaction of Electronic Excitations Created at High-Densities in Luminescent Materials and Scintillators. ECS Meeting Abstracts, 2016, , .	0.0	0
44	(Invited) Investigation of Eu Doped Silicate Phosphor Family M ₂ Ln ₈ (SiO ₄) ₆ O ₂ (M=Mg, Ca, Sr; Ln=La, Y) with Apatite Structure for LED Applications. ECS Meeting Abstracts, 2016, , .	0.0	0
45	Cation influence on exciton localization in homologue scheelites. Journal of Physics Condensed Matter, 2015, 27, 385501.	0.7	8
46	Optical and luminescence characterization of LiBaAlF ₆ single crystals. Optical Materials, 2015, 39, 52-57.	1.7	5
47	Luminescence spectroscopy of electron and neutron irradiated Al_2O_3 single crystals. , 2014, , .		0
48	International conference on Functional Materials and Nanotechnologies (FM&NT-2013), 21 st April 2013, Tartu, Estonia. Physica Scripta, 2014, 89, 040301.	1.2	0
49	Optical functions and time-resolved luminescence of lithium hydride single crystals upon far-ultraviolet excitation. Optical Materials, 2014, 38, 97-101.	1.7	1
50	The luminescence microspectroscopy of Pr ³⁺ -doped LiBaAlF ₆ and Ba ₃ Al ₂ F ₁₂ crystals. Radiation Measurements, 2013, 56, 49-53.	0.7	11
51	First-principles calculations of the structural, electronic and elastic properties of ZnWO ₄ and CdWO ₄ single crystals at the ambient and elevated pressure. Materials Chemistry and Physics, 2013, 137, 977-983.	2.0	8
52	Tuning the electronic properties of naturally nanostructured compounds. Physica Scripta, 2013, T157, 014013.	1.2	3
53	Investigation of luminescence processes in YAG single crystals irradiated by 50 MeV electron beam. Radiation Measurements, 2013, 56, 54-57.	0.7	8
54	Intrinsic and extrinsic luminescence of nanosize transition alumina powders. Radiation Measurements, 2013, 56, 411-414.	0.7	4

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55	Band tail absorption saturation in CdWO ₄ with 100 fs laser pulses. Journal of Physics Condensed Matter, 2013, 25, 245901.	0.7	11
56	International Conference on Functional Materials and Nanotechnologies 2013 (FM&NT2013). IOP Conference Series: Materials Science and Engineering, 2013, 49, 011001.	0.3	0
57	Luminescence and radiation defects in irradiated ruby. , 2012, , .		0
58	5d-4f Emission of Nd ³⁺ , Sm ³⁺ , Ho ³⁺ , Er ³⁺ , Tm ³⁺ Ions in Alkaline Earth Fluorides. IEEE Transactions on Nuclear Science, 2012, 59, 2074-2078.	1.2	13
59	Vacuum ultraviolet and X-ray emission spectroscopy of anion and cation excitons in oxide crystals. Journal of Surface Investigation, 2012, 6, 100-105.	0.1	1
60	Ab-initio studies of the electronic and optical properties of ZnWO ₄ and CdWO ₄ single crystals. Materials Chemistry and Physics, 2012, 134, 1113-1120.	2.0	31
61	5d-4f luminescence of Ce ³⁺ , Gd ³⁺ and Lu ³⁺ in LiCaAlF ₆ . Journal of Luminescence, 2012, 132, 418-424.	1.5	20
62	Modelling of decay kinetics of self-trapped exciton luminescence in CdWO ₄ under femtosecond laser excitation in absorption saturation conditions. Open Physics, 2012, 10, .	0.8	4
63	Relaxation and interaction of electronic excitations induced by intense ultra short light pulses in BaF ₂ scintillator. Proceedings of SPIE, 2011, , .	0.8	0
64	Luminescence spectroscopy of nanocrystalline MgO. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 2669-2672.	0.8	10
65	Hydrogen doping of MgO thin films prepared by pulsed laser deposition. Applied Surface Science, 2011, 257, 5328-5331.	3.1	6
66	A luminescence spectroscopy and theoretical study of 4f-5d transitions of Ce ³⁺ ions in SrAlF ₅ crystals. Journal of Physics Condensed Matter, 2011, 23, 105501.	0.7	14
67	Optical Investigation of Sm doped ZrO ₂ . Journal of Physics: Conference Series, 2010, 249, 012007.	0.3	2
68	Combined luminescence and X-ray emission study of self-trapped excitons in oxides. IOP Conference Series: Materials Science and Engineering, 2010, 15, 012088.	0.3	2
69	Energy transfer in pure and rare-earth doped SrAlF ₅ crystals. IOP Conference Series: Materials Science and Engineering, 2010, 15, 012011.	0.3	4
70	Electronic excitations and luminescence of SrAlF ₅ crystals doped with Ce ³⁺ ions. Radiation Measurements, 2010, 45, 292-294.	0.7	3
71	VUV spectroscopy and electronic excitations in nano-size alumina. Radiation Measurements, 2010, 45, 618-620.	0.7	22
72	Intrinsic excitons in 12CaO·7Al ₂ O ₃ . Radiation Measurements, 2010, 45, 281-283.	0.7	5

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73	Relaxation dynamics of electronic excitations in CaWO ₄ and CdWO ₄ crystals studied by femtosecond interferometry technique. Radiation Measurements, 2010, 45, 262-264.	0.7	8
74	Upconverted 5d ⁴ 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.	1.0	13
75	Synthesis and luminescence properties of Ce ³⁺ doped nanoporous 12CaO·7Al ₂ O ₃ powders and ceramics. Optical Materials, 2010, 32, 784-788.	1.7	18
76	Structural and discharging properties of MgO thin films prepared by pulsed laser deposition. Thin Solid Films, 2010, 519, 846-851.	0.8	3
77	Luminescence properties of undoped LiBaAlF ₆ single crystals. Journal of Physics Condensed Matter, 2010, 22, 295504.	0.7	7
78	Resonant inelastic x-ray scattering and UV-VUV luminescence at the Be 1s edge in BeO. Journal of Physics Condensed Matter, 2010, 22, 375505.	0.7	2
79	Exciton-Exciton Interaction in CdWO ₄ Under Resonant Excitation by Intense Femtosecond Laser Pulses. IEEE Transactions on Nuclear Science, 2010, 57, 1182-1186.	1.2	25
80	Investigation of Electronic Excitations of Pure and Ce Doped 12CaO·7Al ₂ O ₃ Using Luminescence Spectroscopy. ECS Transactions, 2009, 25, 45-50.	0.3	1
81	Luminescence of singlet self-trapped excitons in MgF ₂ . Journal of Physics Condensed Matter, 2009, 21, 375501.	0.7	3
82	VUV and cathodoluminescence spectroscopy of 12CaO·7Al ₂ O ₃ . Journal of Materials Science: Materials in Electronics, 2009, 20, 260-263.	1.1	8
83	Luminescence characterization of ultrathin MgO films of high crystallinity prepared by pulsed laser deposition. Journal of Materials Science: Materials in Electronics, 2009, 20, 321-325.	1.1	18
84	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.	1.5	26
85	Electronic structure of the Sr ₂ MgSi ₂ O ₇ :Eu ²⁺ persistent luminescence material. Journal of Luminescence, 2009, 129, 1560-1563.	1.5	35
86	5d ⁴ luminescence of Er ³⁺ in YAG:Er ³⁺ . Optical Materials, 2009, 31, 1038-1041.	1.7	8
87	Emission spectra of lanthanide ions in hexafluoroelpasolite lattices excited by synchrotron radiation. Optical Materials, 2009, 31, 1729-1734.	1.7	11
88	Exciton-exciton interactions in CdWO_4 by intense femtosecond vacuum ultraviolet pulses. Physical Review B, 2009, 79, .	1.4	52
89	Vacuum ultraviolet excitation spectra of lanthanide-doped hexafluoroelpasolites. Journal of Physics Condensed Matter, 2009, 21, 395504.	0.7	13
90	Phosphor materials under high-density XUV FEL excitation: mechanisms of luminescence quenching. , 2009, , .		5

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91	VUV Luminescence Due to 5d - 4f Transitions in Gd ³⁺ and Lu ³⁺ Ions Doped into Fluoride Crystals. ECS Transactions, 2008, 11, 1-10.	0.3	5
92	Synchrotron Radiation Study of the M ₂ MgSi ₂ O ₇ :Eu ²⁺ Persistent Luminescence Materials. ECS Transactions, 2008, 6, 1-10.	0.3	8
93	Behaviour of scintillators under XUV free electron laser radiation. Journal of Luminescence, 2008, 128, 732-734.	1.5	4
94	Interplay of spin-allowed and spin-forbidden 5d ⁴ luminescence from rare earth ions. Journal of Luminescence, 2008, 128, 725-727.	1.5	5
95	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.	0.6	55
96	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.	0.2	12
97	Relaxation of electronic excitations in wide-gap crystals studied by femtosecond interferometry technique. Physics of the Solid State, 2008, 50, 1784-1788.	0.2	3
98	Self-quenching effects of excitons in CaWO ₄ under high density XUV free electron laser excitation. Physics of the Solid State, 2008, 50, 1789-1794.	0.2	13
99	Investigation of Cu-doped Li ₂ B ₄ O ₇ single crystals by electron paramagnetic resonance and time-resolved optical spectroscopy. Journal of Physics Condensed Matter, 2008, 20, 025216.	0.7	30
100	Deep VUV Scintillators for Detectors Working in Cryogenic Environment. IEEE Transactions on Nuclear Science, 2008, 55, 1437-1444.	1.2	10
101	Energy Dissipation in Impurity Doped Alkaline-Earth Fluorides. IEEE Transactions on Nuclear Science, 2008, 55, 1123-1127.	1.2	3
102	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.	1.3	13
103	Applications of intense ultra-short XUV pulses to solid state physics: time-resolved luminescence spectroscopy and radiation damage studies. , 2007, , .		4
104	Vacuum ultraviolet spectra and crystal field analysis of YAlO ₃ doped with Nd ³⁺ and Er ³⁺ . Physical Review B, 2007, 75, .	1.1	42
105	Vacuum-ultraviolet 5d ⁴ luminescence of Gd ³⁺ and Lu ³⁺ ions in fluoride matrices. Physical Review B, 2007, 75, .	1.1	56
106	Resonant inelastic X-ray scattering at the Be 1s edge in BeO. Journal of Electron Spectroscopy and Related Phenomena, 2007, 156-158, 299-302.	0.8	6
107	Luminescent VUV spectroscopy of and ions in strontium fluoride crystals. Journal of Luminescence, 2007, 122-123, 28-31.	1.5	9
108	VUV spectroscopy of pure and Tm ³⁺ -doped LiCaAlF ₆ crystals. Journal of Luminescence, 2007, 124, 279-285.	1.5	30

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109	Luminescence and excitation spectra of YAG:Nd ³⁺ excited by synchrotron radiation. Journal of Luminescence, 2007, 127, 397-403.	1.5	29
110	Persistent luminescence and synchrotron radiation study of the : materials. Radiation Measurements, 2007, 42, 644-647.	0.7	47
111	Luminescence of the hydrogen bonded crystals. Radiation Measurements, 2007, 42, 746-750.	0.7	17
112	Intrinsic luminescence in oriented BeO crystals under VUV and inner-shell excitation. Radiation Measurements, 2007, 42, 742-745.	0.7	20
113	Luminescence excitation spectra of LiGdF ₄ and LiLuF ₄ in the region of interconfigurational $f \leftarrow f$ transitions in the and ions. Radiation Measurements, 2007, 42, 865-868.	0.7	1
114	VUV $5d \leftarrow 4f$ 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
115	Luminescence of nanoporous C12A7 compound. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 930-933.	0.8	5
116	Electronic transitions in Li ₂ B ₄ O ₇ :Cu single crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 885-888.	0.8	11
117	Luminescence of ZrO ₂ and HfO ₂ 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
118	Time resolved luminescence of solids excited by femtosecond VUV pulses and synchrotron radiation. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 870-876.	0.8	5
119	Optical transitions in pairs of trivalent ion-interstitial fluorine in alkaline-earth fluorides. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 670-676.	0.8	10
120	Inner-shell excitation of intrinsic luminescence and resonantly excited X-ray fluorescence at Be 1s edge in oriented BeO crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 575, 172-175.	0.7	4
121	Ion-induced electron emission from different crystalline phases of ZrO ₂ . Applied Physics Letters, 2006, 88, 211504.	1.5	3
122	Inter- and Intraconfigurational Transitions of Nd ³⁺ in Hexafluoroelpasolite Lattices. Journal of Physical Chemistry B, 2006, 110, 12113-12118.	1.2	15
123	Interaction d'impulsions VUV intenses avec les solides luminescents. European Physical Journal Special Topics, 2006, 138, 155-161.	0.2	5
124	Defect creation caused by the decay of cation excitons and hot electron-hole recombination in wide-gap dielectrics. Nuclear Instruments & Methods in Physics Research B, 2006, 250, 330-336.	0.6	38
125	Luminescence of RE-ions in HfO ₂ thin films and some possible applications. Optical Materials, 2006, 28, 1238-1242.	1.7	61
126	Luminescent properties of blue-emitting long afterglow phosphors Sr ₂ ^x Cax MgSi ₂ O ₇ :Eu ²⁺ , Dy ³⁺ ($x = 1$). Journal of Luminescence, 2006, 118, 70-78.	1.5	84

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127	Utilisation des matériaux luminescents pour la métrologie des faisceaux intenses UVX d'impulsions ultracourtes. European Physical Journal Special Topics, 2006, 138, 251-257.	0.2	4
128	VUV luminescence of as-grown and electron irradiated corundum single crystals. , 2005, 5946, 41.		2
129	Photoluminescence characterization of pure and Sm ³⁺ -doped thin metaloxide films. Applied Surface Science, 2005, 247, 412-417.	3.1	54
130	Intrinsic luminescence in yttrium trifluoride. Journal of Luminescence, 2005, 113, 143-150.	1.5	28
131	A time-resolved luminescence spectroscopy study of self-trapped excitons in NH ₄ H ₂ PO ₄ crystals. Journal of Luminescence, 2005, 115, 69-76.	1.5	7
132	Emission decay kinetics in a CaWO ₄ :Bi crystal. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 61-65.	0.7	15
133	Energy transfer in pure and Ce-doped LiCaAlF ₆ and LiSrAlF ₆ crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 266-270.	0.7	16
134	VUV spectroscopy of pure LiCaAlF ₆ crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 291-294.	0.7	25
135	Thin films of HfO ₂ and ZrO ₂ as potential scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 251-255.	0.7	116
136	VUV-Luminescence and Excitation Spectra of the Heavy Trivalent Rare-Earth Ions in Fluoride Matrices. Physics of the Solid State, 2005, 47, 1416.	0.2	9
137	Low-Temperature Time-Resolved VUV Luminescence Spectroscopy of SrF ₂ : Er ³⁺ Crystals. Physics of the Solid State, 2005, 47, 1446.	0.2	2
138	Energy Transfer in Gd ₂ SiO ₅ :Ce, Y ₂ SiO ₅ :Ce, and Be ₂ La ₂ O ₅ :Ce Crystals during Selective VUV and Core Excitation. Physics of the Solid State, 2005, 47, 1492.	0.2	4
139	Multiplication of electronic excitations and prospects for increasing scintillation efficiency in wide-gap crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 45-49.	0.7	6
140	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.	0.7	7
141	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.	1.7	37
142	Time-Resolved Vacuum Ultraviolet Spectroscopy of Er ³⁺ Ions in the SrF ₂ Crystal. Journal of Applied Spectroscopy, 2005, 72, 564-568.	0.3	11
143	Vacuum Ultraviolet Excitation of Rare-Earth Ion Luminescence in Strontium Fluoride Crystals. Russian Physics Journal, 2005, 48, 984-989.	0.2	3
144	Crystal Structure, Electronic Structure, and Luminescence of Cs ₂ KYF ₆ :Pr ³⁺ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 3046-3052.	0.6	22

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145	Exciton and recombination luminescence of $\text{Al}_2(\text{WO}_4)_3$ crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 61-64.	0.8	6
146	Photoluminescence of RE-doped thin metal oxide films. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 326-329.	0.8	8
147	Exciton emission and defect formation in yttrium trifluoride. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 371-374.	0.8	3
148	VUV spectroscopy of Eu doped LiCaAlF_6 and LiSrAlF_6 crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 418-421.	0.8	16
149	Influence of excitation density on luminescence decay in $\text{Y}_3\text{Al}_5\text{O}_{12}:\text{Ce}$ and BaF_2 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
150	Creation of groups of spatially correlated excitations in wide-gap solids. Physica Status Solidi A, 2005, 202, 213-220.	1.7	16
151	<title>Optical properties of crystalline Al_2O_3 thin films grown by atomic layer deposition</title>. , 2005, ,		7
152	Triplet luminescence of cadmium centres in alkaline-earth fluoride crystals. Journal of Physics Condensed Matter, 2005, 17, 5821-5830.	0.7	7
153	Luminescent properties of Gd_2SiO_5 powder doped with Eu^{3+} under VUV UV excitation. Journal of Physics Condensed Matter, 2005, 17, 1217-1224.	0.7	33
154	Intrinsic ultraviolet luminescence of LiB_3O_5 single crystals under inner-shell excitation. Physics of the Solid State, 2004, 46, 842-847.	0.2	6
155	Low-temperature time-resolved vacuum UV spectroscopy of $\text{NH}_4\text{H}_2\text{PO}_4$ crystals. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2004, 97, 244-250.	0.2	5
156	Gel Growth, Luminescence, and Scintillation of PbSO_4 Crystals. Inorganic Materials, 2004, 40, 735-739.	0.2	8
157	A time-resolved luminescence spectroscopy study of self-trapped excitons in KH_2PO_4 crystals. Radiation Measurements, 2004, 38, 331-334.	0.7	11
158	Optical characterization of HfO_2 thin films grown by atomic layer deposition. Thin Solid Films, 2004, 466, 41-47.	0.8	175
159	Luminescence study of self-trapped holes in pure and Fe- or Mo-doped ZnWO_4 crystals. Radiation Measurements, 2004, 38, 715-718.	0.7	7
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