

Eva Miháková

List of Publications by Year in descending order

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221
all docs

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docs citations

221
times ranked

3150
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced Halide Scintillators: From the Bulk to Nano. <i>Advanced Photonics Research</i> , 2022, 3, .	3.6	10
2	Scintillation Response Enhancement in Nanocrystalline Lead Halide Perovskite Thin Films on Scintillating Wafers. <i>Nanomaterials</i> , 2022, 12, 14.	4.1	19
3	Origin of luminescence in Bi ³⁺ -doped lanthanide niobates. <i>Journal of Alloys and Compounds</i> , 2021, 859, 157800.	5.5	11
4	Fine-grained Ce ₃ Y:SrHfO ₃ Scintillation Ceramics Fabricated by Hot Isostatic Pressing. Wuji Cailiao Xuebao/ <i>Journal of Inorganic Materials</i> , 2021, 36, 1118.	1.3	4
5	On the Role of Cs ₄ PbBr ₆ Phase in the Luminescence Performance of Bright CsPbBr ₃ Nanocrystals. <i>Nanomaterials</i> , 2021, 11, 1935.	4.1	7
6	Peculiarities and the red shift of Eu ²⁺ luminescence in Gd ³⁺ -admixed YAG phosphors. <i>Optical Materials</i> , 2021, 120, 111464.	3.6	2
7	Fabrication and scintillation properties of Pr:Lu ₃ Al ₅ O ₁₂ transparent ceramics from co-precipitated nanopowders. <i>Journal of Alloys and Compounds</i> , 2020, 818, 152885.	5.5	6
8	Microstructure evolution in two-step-sintering process toward transparent Ce:(Y,Gd) ₃ (Ga,Al) ₅ O ₁₂ scintillation ceramics. <i>Journal of Alloys and Compounds</i> , 2020, 846, 156377.	5.5	10
9	Luminescence Spectroscopy and Origin of Luminescence Centers in Bi-Doped Materials. <i>Crystals</i> , 2020, 10, 208.	2.2	48
10	CsPbBr ₃ Thin Films on LYSO:Ce Substrates. <i>IEEE Transactions on Nuclear Science</i> , 2020, 67, 933-938.	2.0	8
11	Luminescent Nanocomposites for Biomedical Applications. <i>IEEE Transactions on Nuclear Science</i> , 2020, 67, 962-968.	2.0	1
12	Luminescence and scintillation properties of strontium hafnate and strontium zirconate single crystals. <i>Optical Materials</i> , 2019, 98, 109494.	3.6	6
13	Suppression of the slow scintillation component of Pr:Lu ₃ Al ₅ O ₁₂ transparent ceramics by increasing Pr concentration. <i>Journal of Luminescence</i> , 2019, 210, 14-20.	3.1	16
14	On the structure, synthesis, and characterization of ultrafast blue-emitting CsPbBr ₃ nanoplatelets. <i>APL Materials</i> , 2019, 7, .	5.1	38
15	Electronic band modification for faster and brighter Ce,Mg:Lu _{3-x} Y _x Al ₅ O ₁₂ ceramic scintillators. <i>Journal of Luminescence</i> , 2019, 214, 116545.	3.1	22
16	Core-shell ZnO:Ga-SiO ₂ nanocrystals: limiting particle agglomeration and increasing luminescence via surface defect passivation. <i>RSC Advances</i> , 2019, 9, 28946-28952.	3.6	15
17	Novel scintillating nanocomposite for X-ray induced photodynamic therapy. <i>Radiation Measurements</i> , 2019, 121, 13-17.	1.4	9
18	LuAG:Pr ³⁺ -porphyrin based nanohybrid system for singlet oxygen production: Toward the next generation of PDTX drugs. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 179, 149-155.	3.8	11

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19	Fabrication and properties of Eu:Lu ₂ O ₃ transparent ceramics for X-ray radiation detectors. <i>Optical Materials</i> , 2018, 80, 22-29.	3.6	19
20	Afterglow and Quantum Tunneling in Ce-Doped Lutetium Aluminum Garnet. <i>IEEE Transactions on Nuclear Science</i> , 2018, 65, 2085-2089.	2.0	5
21	Luminescence processes in Ti-doped LiAlO ₂ single crystals for neutron scintillators. <i>Journal of Luminescence</i> , 2018, 201, 231-244.	3.1	5
22	Origin of Bi ³⁺ -related luminescence in Gd ₃ Ga ₅ O ₁₂ :Bi epitaxial films. <i>Journal of Luminescence</i> , 2017, 190, 81-88.	3.1	22
23	Luminescence and Charge Trapping in Cs ₂ HfCl ₆ Single Crystals: Optical and Magnetic Resonance Spectroscopy Study. <i>Journal of Physical Chemistry C</i> , 2017, 121, 12375-12382.	3.1	33
24	Defect states and temperature stability of Eu ²⁺ center in Eu-doped yttrium aluminum garnet. <i>Journal of Luminescence</i> , 2017, 190, 309-313.	3.1	8
25	Chapter 6 Luminescence of Pb- and Bi-Related Centers in Aluminum Garnet, Perovskite, and Orthosilicate Single-Crystalline Films. , 2017, , 227-302.		4
26	Luminescence and photo-thermally stimulated defect-creation processes in Bi ³⁺ -doped single crystals of lead tungstate. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 895-910.	1.5	24
27	Luminescence and excited state dynamics in Bi ³⁺ -doped LiLaP ₄ O ₁₂ phosphates. <i>Journal of Luminescence</i> , 2016, 176, 324-330.	3.1	14
28	Eu ²⁺ Stabilization in YAG Structure: Optical and Electron Paramagnetic Resonance Study. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21751-21761.	3.1	34
29	Preparation and luminescence properties of ZnO:Ga polystyrene composite scintillator. <i>Optics Express</i> , 2016, 24, 15289.	3.4	56
30	Energy bands and gaps near an impurity. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 3430-3433.	2.1	3
31	Luminescence and scintillation properties of Lu ₃ Al ₅ O ₁₂ nanoceramics sintered by SPS method. <i>Optical Materials</i> , 2016, 53, 54-63.	3.6	14
32	Preliminary study on singlet oxygen production using CeF ₃ :Tb ³⁺ @SiO ₂ -PpIX. <i>Radiation Measurements</i> , 2016, 90, 325-328.	1.4	14
33	ALnS ₂ :RE (A=K, Rb; Ln=La, Gd, Lu, Y): New optical materials family. <i>Journal of Luminescence</i> , 2016, 170, 718-735.	3.1	30
34	Crystal field and magnetism with Wannier functions: rare-earth doped aluminum garnets. <i>Journal of Rare Earths</i> , 2015, 33, 1316-1323.	4.8	7
35	Electron paramagnetic resonance study of the Ce ³⁺ pair centers in YAlO ₃ :Ce scintillator crystals. <i>Physical Review B</i> , 2015, 92, .	3.2	9
36	Optical, Structural and Paramagnetic Properties of Eu-Doped Ternary Sulfides ALnS ₂ (A = Na, K, Rb; Ln =) <i>Tj ETQq0 0.0 rgBT /Overlock 10</i>	2.9	38

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37	Temperature dependent luminescence characteristics of KBe ₂ BO ₃ F ₂ and RbBe ₂ BO ₃ F ₂ . IOP Conference Series: Materials Science and Engineering, 2015, 80, 012015.	0.6	1
38	Nanocrystalline Eu-doped Lu ₃ Al ₅ O ₁₂ phosphor prepared by radiation method. Optical Materials, 2015, 40, 102-106.	3.6	3
39	Low temperature delayed recombination decay in scintillating garnets. Optical Materials, 2015, 40, 127-131.	3.6	19
40	Luminescence characteristics of doubly doped KLu ₂ S ₂ :Eu, RE (RE = Pr, Sm, Ce). Optical Materials, 2015, 41, 94-97.	3.6	16
41	Low temperature delayed recombination and trap tunneling. Journal of Physics Condensed Matter, 2015, 27, 075501.	1.8	4
42	Luminescence and excited state dynamics of Bi ³⁺ centers in Y ₂ O ₃ . Journal of Luminescence, 2015, 167, 268-277.	3.1	22
43	Time-resolved spectroscopy of Bi ³⁺ centers in Y ₄ Al ₂ O ₉ . Optical Materials, 2015, 46, 104-108.	3.6	11
44	Luminescent materials: probing the excited state of emission centers by spectroscopic methods. Measurement Science and Technology, 2015, 26, 012001.	2.6	9
45	UV radiation: a promising tool in the synthesis of multicomponent nano-oxides. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	9
46	Investigation of the luminescence, crystallographic and spatial resolution properties of LSO:Tb scintillating layers used for X-ray imaging applications. Radiation Measurements, 2014, 62, 28-34.	1.4	13
47	Low Temperature Delayed Recombination Decay in Complex Oxide Scintillating Crystals. IEEE Transactions on Nuclear Science, 2014, 61, 257-261.	2.0	9
48	Comparison of the scintillation and luminescence properties of the (Lu _{1-x} Gd _x) ₂ SiO ₅ :Ce single crystal scintillators. Journal Physics D: Applied Physics, 2014, 47, 365304.	2.8	16
49	Luminescence Characteristics of the Ce ³⁺ -Doped Pyrosilicates: The Case of La-Admixed Gd ₂ Si ₂ O ₇ Single Crystals. Journal of Physical Chemistry C, 2014, 118, 26521-26529.	3.1	33
50	Defect Engineering in Ce-Doped Aluminum Garnet Single Crystal Scintillators. Crystal Growth and Design, 2014, 14, 4827-4833.	3.0	197
51	Optical properties of Ce ³⁺ -doped KLu ₂ phosphor. Journal of Luminescence, 2014, 147, 196-201.	3.1	26
52	Optical and Structural Properties of RE ³⁺ -Doped KLnS ₂ Compounds. IEEE Transactions on Nuclear Science, 2014, 61, 385-389.	2.0	17
53	Time-resolved photoluminescence and excited state structure of Bi ³⁺ center in YAlO ₃ . Optical Materials, 2014, 36, 1705-1708.	3.6	17
54	Scintillation characteristics of LiCaAlF ₆ -based single crystals under X-ray excitation. Applied Physics Letters, 2013, 102, .	3.3	15

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55	Photoluminescence properties of non-stoichiometric strontium zirconate powder phosphor. Optical Materials, 2013, 35, 1019-1022.	3.6	12
56	Deep trapping states in cerium doped (Lu,Y,Gd) ₃ (Ga,Al) ₅ O ₁₂ single crystal scintillators. Radiation Measurements, 2013, 56, 98-101.	1.4	38
57	Photoluminescence and excited state structure in Bi ³⁺ -doped Y ₂ SiO ₅ single crystalline films. Radiation Measurements, 2013, 56, 90-93.	1.4	13
58	Luminescence and structural properties of RbGdS ₂ compounds doped by rare earth elements. Optical Materials, 2013, 35, 1226-1229.	3.6	27
59	Luminescence and origin of lead-related centers in single crystalline films of Y ₂ SiO ₅ and Lu ₂ SiO ₅ . Radiation Measurements, 2013, 56, 124-128.	1.4	5
60	Quantum tunneling and low temperature delayed recombination in scintillating materials. Chemical Physics Letters, 2013, 578, 66-69.	2.6	18
61	Photoluminescence and excited state structure of Bi ³⁺ -related centers in Lu ₂ SiO ₅ :Bi single crystalline films. Journal of Luminescence, 2013, 134, 469-476.	3.1	25
62	Trapping states and excited state ionization of the Ce ³⁺ activator in the SrHfO ₃ host. Chemical Physics Letters, 2013, 556, 89-93.	2.6	7
63	Optical properties of Eu ²⁺ -doped KLuS ₂ phosphor. Chemical Physics Letters, 2013, 574, 61-65.	2.6	34
64	Delayed recombination and excited state ionization of the Ce ³⁺ activator in the SrHfO ₃ host. Physica Status Solidi - Rapid Research Letters, 2013, 7, 228-231.	2.4	25
65	Conference Comments by the Editors. IEEE Transactions on Nuclear Science, 2012, 59, 2037-2037.	2.0	0
66	Influence of yttrium Content on the Ce ¹ and Ce ² Luminescence Characteristics in $\{m \text{ Lu} \}_{1-m} \text{ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5}$ 2012, 59, 2079-2084.	2.0	22
67	Thermally Stimulated Luminescence in Ce-Doped Yttrium Oxyorthosilicate. IEEE Transactions on Nuclear Science, 2012, 59, 2085-2088.	2.0	16
68	Optical methods for the evaluation of the thermal ionization barrier of lanthanide excited states in luminescent materials. Physical Review B, 2012, 85, .	3.2	36
69	Luminescence of lead-related centres in single crystalline films of Lu ₂ SiO ₅ . Journal Physics D: Applied Physics, 2012, 45, 355304.	2.8	8
70	Origin of Bi ³⁺ -related luminescence centres in Lu ₃ Al ₅ O ₁₂ :Bi and Y ₃ Al ₅ O ₁₂ :Bi single crystalline films and the structure of their relaxed excited states. Physica Status Solidi (B): Basic Research, 2012, 249, 1039-1045.	1.5	40
71	Defect states in Pr ³⁺ doped lutetium pyrosilicate. Optical Materials, 2012, 34, 872-877.	3.6	22
72	Incorporation of Ce ³⁺ in crystalline Gd-silicate nanoclusters formed in silica. Journal of Luminescence, 2012, 132, 461-466.	3.1	28

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73	Acetate-citrate gel combustion: a strategy for the synthesis of nanosized lutetium hafnate phosphor powders. Journal of Materials Chemistry, 2011, 21, 8975.	6.7	6
74	Prompt and delayed recombination mechanisms in Lu ₄ Hf ₃ O ₁₂ nanophosphors. Optical Materials, 2011, 34, 228-233.	3.6	9
75	Tunnelling processes-driven radiative recombination in complex oxide scintillators. Journal of Physics: Conference Series, 2010, 249, 012018.	0.4	11
76	Luminescence and scintillation kinetics of the Pr ³⁺ doped Lu ₂ Si ₂ O ₇ single crystal. Chemical Physics Letters, 2010, 493, 72-75.	2.6	35
77	Temperature dependence of luminescence characteristics of Lu ₂ (1-x)Y ₂ SiO ₅ :Ce ³⁺ scintillator grown by the Czochralski method. Journal of Applied Physics, 2010, 108, .	2.5	66
78	Photoluminescence of Pb ²⁺ -doped SrHfO ₃ . Radiation Measurements, 2010, 45, 406-408.	1.4	17
79	Defect states in Lu ₃ GaxAl ₅ -xO ₁₂ crystals and powders. Optical Materials, 2010, 32, 1298-1301.	3.6	10
80	Structure and morphology of scintillating Ce- and Pb-doped strontium hafnate powders. Optical Materials, 2010, 32, 1356-1359.	3.6	16
81	In ⁺ , Pb ²⁺ and Bi ³⁺ in KBr crystal: Luminescence dynamics. Optical Materials, 2010, 32, 1280-1282.	3.6	14
82	Thermally-induced ionization of the Ce ³⁺ excited state in SrHfO ₃ microcrystalline phosphor. Optical Materials, 2010, 33, 149-152.	3.6	15
83	Thermally-induced ionization of the Ce ³⁺ and Pb ²⁺ excited states in the SrHfO ₃ microcrystalline phosphor. IOP Conference Series: Materials Science and Engineering, 2010, 15, 012093.	0.6	1
84	Evidences of Rare-Earth Nanophases Embedded in Silica Using Vibrational Spectroscopy. IEEE Transactions on Nuclear Science, 2010, 57, 1361-1369.	2.0	14
85	Intrinsic and impurity-induced emission bands in SrHfO_3 Physical Review B, 2010, 82, .	3.2	16
86	Optical and Structural Properties of Pb and Ce Doped SrHfO_3 Powders. IEEE Transactions on Nuclear Science, 2010, 57, 1245-1250.	2.0	19
87	Low Temperature Scintillation in ZnSe Crystals. IEEE Transactions on Nuclear Science, 2010, 57, 1470-1474.	2.0	36
88	Correction to "Evidences of Rare-Earth Nanophases Embedded in Silica Using Vibrational Spectroscopy" Jun 10 1361-1369. IEEE Transactions on Nuclear Science, 2010, 57, 2405-2405.	2.0	0
89	Can Pr-Doped YAP Scintillator Perform Better?. IEEE Transactions on Nuclear Science, 2010, 57, 1168-1174.	2.0	17
90	Discrete breathers and the anomalous decay of luminescence. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 183001.	2.1	3

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91	Assignment of f^{\sim} bands in Ce-doped		

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109	Shallow Traps in YAlO_3 :Ce Single Crystal Perovskites. IEEE Transactions on Nuclear Science, 2008, 55, 1114-1117.	2.0	22
110	Torus doubling resonances and breather stability. Physical Review E, 2008, 78, 026212.	2.1	1
111	Shallow traps and radiative recombination processes in LuAl_3O_5 :Ce single crystal scintillator. Physical Revl	3.2	168
112	Radiation damage processes in complex-oxide scintillators. , 2007, , .		17
113	Crystal growth and scintillating properties of (Pr,Si)-doped YAlO_3 . Crystal Research and Technology, 2007, 42, 1324-1328.	1.3	10
114	Luminescence and scintillation properties of YAG:Ce single crystal and optical ceramics. Journal of Luminescence, 2007, 126, 77-80.	3.1	159
115	Single crystalline film scintillators based on Ce- and Pr-doped aluminium garnets. Radiation Measurements, 2007, 42, 521-527.	1.4	92
116	Luminescence and scintillation properties of $\text{Y}_3\text{Al}_5\text{O}_{12}$:Pr single crystal. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 1012-1015.	0.8	12
117	Decay course of slow emission component for thallium and lead centers in some alkali halide crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 817-821.	0.8	1
118	Rare earth doped LiCaAlF_6 as a new potential dosimetric material. Optical Materials, 2007, 30, 69-71.	3.6	21
119	Antisite defect-free $\text{Lu}_3(\text{GaxAl}_{1-x})_5\text{O}_{12}$:Pr scintillator. Applied Physics Letters, 2006, 88, 141916.	3.3	143
120	Model of temperature dependent crystal relaxation. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 3430-3433.	0.8	3
121	The role of breathers in the anomalous decay of luminescence. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 3426-3429.	0.8	1
122	Structure and time-dependence of quantum breathers. Chemical Physics, 2006, 322, 55-74.	1.9	14
123	Anomalous decay and breather formation in doped alkali halides. Journal of Luminescence, 2006, 121, 465-469.	3.1	6
124	Stability of Quantum Breathers. Physical Review Letters, 2006, 96, 065501.	7.8	24
125	SCINTILLATOR AND PHOSPHOR MATERIALS: LATEST DEVELOPMENTS AND APPLICATIONS. , 2006, , .		0
126	Lattice influence on the excited state relaxation. Journal of Luminescence, 2005, 112, 230-234.	3.1	0

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127	Fast 5d ¹ 4f luminescence of Pr ³⁺ in Lu ₂ SiO ₅ single crystal host. <i>Chemical Physics Letters</i> , 2005, 410, 218-221.	2.6	85
128	Influence of Si-codoping on YAG:Ce scintillation characteristics. <i>IEEE Transactions on Nuclear Science</i> , 2005, 52, 1105-1108.	2.0	18
129	Mixed coordination and time-resolved luminescence of lead impurity centres. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 89-92.	0.8	0
130	The antisite LuAl defect-related trap in Lu ₃ Al ₅ O ₁₂ :Ce single crystal. <i>Physica Status Solidi (B): Basic Research</i> , 2005, 242, R119-R121.	1.5	199
131	Electron capture in PbWO ₄ : Mo and PbWO ₄ :Mo,La single crystals: ESR and TSL study. <i>Physical Review B</i> , 2005, 71, .	3.2	39
132	Photoluminescence of Bi ³⁺ in Y ₃ Ga ₅ O ₁₂ single-crystal host. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 3367-3375.	1.8	53
133	Role of breathers in anomalous decay. <i>Physical Review E</i> , 2004, 70, 016610.	2.1	14
134	The Red-Shift of Ultraviolet Spectra and the Relation to Optical Basicity of Ce-Doped Alkali Rare-Earth Phosphate Glasses. <i>Journal of the American Ceramic Society</i> , 2004, 87, 1378-1380.	3.8	35
135	Trap levels in Y-aluminum garnet scintillating crystals. <i>Radiation Measurements</i> , 2004, 38, 673-676.	1.4	21
136	Recombination luminescence in lead tungstate scintillating crystals. <i>Radiation Measurements</i> , 2004, 38, 381-384.	1.4	3
137	Excited-state dynamics of Yb ²⁺ in LiCaAlF ₆ single crystal. <i>Radiation Measurements</i> , 2004, 38, 545-548.	1.4	15
138	Decay kinetics of the green emission in tungstates and molybdates. <i>Radiation Measurements</i> , 2004, 38, 533-537.	1.4	55
139	Path integral in a magnetic field using the Trotter product formula. <i>American Journal of Physics</i> , 2004, 72, 385-388.	0.7	11
140	Electron traps related to oxygen vacancies in PbWO ₄ . <i>Physical Review B</i> , 2003, 67, .	3.2	49
141	Decay kinetics of the green emission in PbWO ₄ :Mo. <i>Journal of Luminescence</i> , 2003, 102-103, 618-622.	3.1	20
142	Delayed recombination luminescence in lead tungstate (PWO) scintillating crystals. <i>Journal of Luminescence</i> , 2003, 102-103, 791-796.	3.1	10
143	Luminescence and decay kinetics of Yb ²⁺ in LiCaAlF ₆ single crystal host. <i>Optical Materials</i> , 2003, 24, 191-195.	3.6	18
144	Thermoluminescence of Zr-codoped Lu ₃ Al ₅ O ₁₂ :Ce crystals. <i>Physica Status Solidi A</i> , 2003, 195, R1-R3.	1.7	35

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145	Ultraviolet transparency and activator oxidation state of Ce ³⁺ -doped phosphate glasses. Journal of Non-Crystalline Solids, 2003, 326-327, 339-342.	3.1	24
146	Peculiarities in Optical Properties of ns ² ions. Radiation Effects and Defects in Solids, 2003, 158, 67-71.	1.2	1
147	Photoinduced oxygen-vacancy related centers in PbWO ₄ : Electron spin resonance and thermally stimulated luminescence study. Radiation Effects and Defects in Solids, 2002, 157, 1025-1031.	1.2	3
148	Enhanced efficiency of PbWO ₄ :Mo,Nb scintillator. Journal of Applied Physics, 2002, 91, 5041-5044.	2.5	66
149	Complete characterization of doubly doped PbWO ₄ :Mo,Y scintillators. Journal of Applied Physics, 2002, 91, 2791-2797.	2.5	42
150	Temperature dependence of anomalous luminescence decay: Theory and experiment. Physical Review B, 2002, 66, .	3.2	17
151	Radiation induced colour centers and damage in YAlO ₃ :Ce and YAlO ₃ :Ce,Zr scintillators. Radiation Effects and Defects in Solids, 2002, 157, 677-681.	1.2	4
152	Enhanced efficiency of doubly doped PbWO ₄ scintillator. Radiation Effects and Defects in Solids, 2002, 157, 937-941.	1.2	5
153	Defect states in Lu ₃ Al ₅ O ₁₂ :Ce crystals. Radiation Effects and Defects in Solids, 2002, 157, 1003-1007.	1.2	16
154	Ce ³⁺ luminescence in aLiBaF ₃ single crystal at low temperatures. Physical Review B, 2002, 66, .	3.2	17
155	Color centers in LiCaAlF ₆ single crystals and their suppression by doping. Journal of Applied Physics, 2002, 91, 5666-5670.	2.5	24
156	Optical absorption and thermoluminescence of Tb ³⁺ -doped phosphate scintillating glasses. Journal of Physics Condensed Matter, 2002, 14, 7417-7426.	1.8	21
157	Slow Relaxation, Confinement, and Solitons. Physical Review Letters, 2002, 88, 224101.	7.8	36
158	Theoretical study of the structured blue emission of PbWO ₄ . Radiation Effects and Defects in Solids, 2002, 157, 927-930.	1.2	0
159	Quantum corrections to the semiclassical temperature scale in the structured emission of tetrahedral complexes. Physical Review B, 2002, 66, .	3.2	6
160	Defect states induced by UV laser irradiation in scintillating glasses. Nuclear Instruments & Methods in Physics Research B, 2002, 191, 366-370.	1.4	11
161	Effect of ¹³⁷ Irradiation on optical properties of Ce ³⁺ -doped phosphate and silicate scintillating glasses. Radiation Physics and Chemistry, 2002, 63, 231-234.	2.8	10
162	Radiation damage induced by ¹³⁷ Irradiation on Ce ³⁺ doped phosphate and silicate scintillating glasses. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 476, 785-789.	1.6	19

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163	An effect of Zr ⁴⁺ co-doping of YAP:Ce scintillator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 486, 250-253.	1.6	46
164	Influence of Y-codoping on the PbWO ₄ :Mo luminescence and scintillator characteristics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 486, 453-457.	1.6	5
165	RADIATION INDUCED COLOR CENTERS IN Tb ³⁺ -DOPED PHOSPHATE SCINTILLATION GLASSES. , 2002, , .		0
166	Structured emission of tetrahedral complexes due to Jahn-Teller and pseudo-Jahn-Teller effects. Physical Review B, 2001, 64, .	3.2	27
167	Optical characterization under irradiation of Ce ³⁺ /Tb ³⁺ -doped phosphate scintillating glasses. IEEE Transactions on Nuclear Science, 2001, 48, 360-366.	2.0	22
168	Anomalous decay of the slow emission component in doped alkali halides. Journal of Luminescence, 2001, 92, 311-316.	3.1	19
169	Radio- and thermoluminescence and energy transfer processes in Ce ³⁺ (Tb ³⁺)-doped phosphate scintillating glasses. Radiation Measurements, 2001, 33, 593-596.	1.4	28
170	The doping of PbWO ₄ in shaping its scintillator characteristics. Radiation Measurements, 2001, 33, 705-708.	1.4	18
171	Relaxed Excited States Origin and Structure in Lead-Doped Caesium Bromide. Physica Status Solidi (B): Basic Research, 2001, 223, 745-756.	1.5	11
172	Scintillation Decay of LiCaAlF ₆ :Ce ³⁺ Single Crystals. Physica Status Solidi A, 2001, 187, R1-R3.	1.7	38
173	Modification of PbWO ₄ scintillator characteristics by doping. Journal of Crystal Growth, 2001, 229, 312-315.	1.5	30
174	Photoinduced Pb ²⁺ -center in PbWO ₄ : Electron spin resonance and thermally stimulated luminescence study. Physical Review B, 2001, 64, .	3.2	57
175	Behaviour of the lowest excited triplet state of a divalent lead ion. From an isolated impurity to an exciton. Journal of Luminescence, 2001, 94-95, 397-401.	3.1	2
176	Colour centres induced by ¹³⁷ I irradiation in scintillating glassy matrices for middle and low energy physics experiments. Nuclear Instruments & Methods in Physics Research B, 2001, 185, 294-298.	1.4	7
177	Luminescence of Cs ₄ PbBr ₆ Aggregates in As-Grown and in Annealed CsBr:Pb Single Crystals. Physica Status Solidi (B): Basic Research, 2000, 219, 205-214.	1.5	11
178	Effect of La Doping on Calcium Tungstate (CaWO ₄) Crystals Radiation Hardness. Physica Status Solidi A, 2000, 178, 799-804.	1.7	16
179	Influence of Gd ³⁺ Concentration on PbWO ₄ :Gd ³⁺ Scintillation Characteristics. Physica Status Solidi A, 2000, 179, 445-454.	1.7	16
180	Traps and Timing Characteristics of LuAG:Ce ³⁺ Scintillator. Physica Status Solidi A, 2000, 181, R10-R12.	1.7	194

#	ARTICLE	IF	CITATIONS
181	Excitonic emission of scheelite tungstates AWO ₄ (A=Pb, Ca, Ba, Sr). Journal of Luminescence, 2000, 87-89, 1136-1139.	3.1	190
182	Development of new mixed Lux(RE ³⁺) _{1-x} AP:Ce scintillators (RE ³⁺ =Y ³⁺ or Gd ³⁺):comparison with other Ce-doped or intrinsic scintillating crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 443, 331-341.	1.6	42
183	Tunneling process in thermally stimulated luminescence of mixedLuxY _{1-x} AlO ₃ :Cecrystals. Physical Review B, 2000, 61, 8081-8086.	3.2	70
184	Efficient radioluminescence of the Ce ³⁺ -doped Na ⁺ Gd phosphate glasses. Applied Physics Letters, 2000, 77, 2159-2161.	3.3	115
185	Influence of doping on the emission and scintillation characteristics of PbWO ₄ single crystals. Journal of Applied Physics, 2000, 87, 4243-4248.	2.5	43
186	Photoinduced(WO ₄) ₃ La ³⁺ center inPbWO ₄ :Electron spin resonance and thermally stimulated luminescence study. Physical Review B, 2000, 62, 10109-10115.	3.2	36
187	Traps and Timing Characteristics of LuAG:Ce ³⁺ Scintillator. , 2000, 181, R10.		1
188	The influence of defect states on scintillation characteristics of PbWO ₄ . Radiation Effects and Defects in Solids, 1999, 150, 15-19.	1.2	14
189	Optical properties of Pb ²⁺ -based aggregated phases in CsBr Thin film and single crystal matrices. Radiation Effects and Defects in Solids, 1999, 150, 341-345.	1.2	23
190	Luminescence of CsPbBr ₃ -like quantum dots in CsBr single crystals. Physica E: Low-Dimensional Systems and Nanostructures, 1999, 4, 323-331.	2.7	56
191	Radiation damage processes in wide-gap scintillating crystals. New scintillation materials. Nuclear Physics, Section B, Proceedings Supplements, 1999, 78, 471-478.	0.4	12
192	Photoluminescence of Cs ₄ PbBr ₆ crystals and thin films. Chemical Physics Letters, 1999, 306, 280-284.	2.6	151
193	Modelling of the slow emission decay of Pb ²⁺ , Tl ⁺ centers. Radiation Effects and Defects in Solids, 1999, 149, 149-152.	1.2	0
194	Emission Decay Kinetics of Pb ²⁺ Ions in Potassium Halide Crystals. Application of Tokuyama-Mori Formalism. Physica Status Solidi (B): Basic Research, 1998, 206, 823-840.	1.5	1
195	Coexistence of the impurity and perturbed exciton levels in the relaxed excited state of CsCl:Pb crystal. Journal of Physics Condensed Matter, 1998, 10, 5449-5461.	1.8	13
196	Anomalous decay of the slow component ofPb ²⁺ emission. Physical Review B, 1998, 58, 6938-6943.	3.2	30
197	Hindered decay: Quantum Zeno effect through electromagnetic field domination. Physical Review A, 1997, 56, 25-32.	2.5	46
198	Decay kinetics and thermoluminescence of PbWO ₄ : La ³⁺ . Applied Physics Letters, 1997, 71, 3755-3757.	3.3	90

#	ARTICLE	IF	CITATIONS
199	A study of electron excitations in and single crystals. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 249-256.	1.8	81
200	Luminescence and Decay Kinetics of Relaxed Bound Excitons and Impurity States in CsX:TI ⁺ (X=Cl, Br, I). <i>Materials Science Forum</i> , 1997, 239-241, 213-218.	0.3	6
201	Spectroscopy and transfer processes in LuxGd ³⁺ AlO ₃ : Ce scintillators. <i>Journal of Luminescence</i> , 1997, 72-74, 737-739.	3.1	21
202	Quantum size effect in the excitonic luminescence of CsPbX ₃ -like quantum dots in CsX (X = Cl, Br) single crystal host. <i>Journal of Luminescence</i> , 1997, 72-74, 377-379.	3.1	52
203	Relaxed excited state structure and luminescence of thallium-doped caesium chloride and bromide. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 4301-4314.	1.8	24
204	Slow components in the photoluminescence and scintillation decays of PbWO ₄ single crystals. <i>Physica Status Solidi (B): Basic Research</i> , 1996, 195, 311-323.	1.5	130
205	Peculiarities of the triplet relaxed excited-state structure and luminescence of a CsI:TI crystal. <i>Journal of Physics Condensed Matter</i> , 1995, 7, 3637-3653.	1.8	60
206	Peculiarities of the triplet relaxed excited state structure in thallium-doped cesium halide crystals. <i>Radiation Effects and Defects in Solids</i> , 1995, 135, 379-382.	1.2	5
207	Decay kinetics of the 408 nm emission band from Pb ²⁺ centres in KI single crystals. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 293-300.	1.8	9
208	Influence of TI ⁺ concentration on emission and decay kinetics of CsI : TI ⁺ single crystals. <i>Journal of Luminescence</i> , 1994, 60-61, 527-530.	3.1	14
209	Photoluminescence and decay kinetics of CsPbCl ₃ single crystals. <i>Chemical Physics Letters</i> , 1994, 220, 14-18.	2.6	40
210	Photoluminescence of KMgF ₃ :TI ⁺ . <i>Journal of Physics and Chemistry of Solids</i> , 1994, 55, 1-7.	4.0	13
211	Energy transfer in CeF ₃ and CeF ₃ : Cd single crystals. <i>Journal of Luminescence</i> , 1994, 60-61, 971-974.	3.1	4
212	Energy transfer processes in CeF ₃ single crystals. <i>Solid State Communications</i> , 1993, 87, 185-188.	1.9	19
213	Energy Transfer Between A ^T and A ^X Minima in KBr: TI, Quantitative Four-Level Model. <i>Physica Status Solidi (B): Basic Research</i> , 1993, 175, 523-540.	1.5	26
214	Decay kinetics of CsI: TI luminescence excited in the A absorption band. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1993, 67, 627-649.	0.6	31
215	Photoluminescence & decay kinetics of Cs ₄ PbCl ₆ single crystals. <i>Solid State Communications</i> , 1992, 84, 1089-1092.	1.9	54
216	Decay kinetics of the slow component of Pb ²⁺ emission in KX (X = Cl, Br, I) crystals. <i>Journal of Luminescence</i> , 1992, 54, 189-196.	3.1	45

#	ARTICLE	IF	CITATIONS
217	Kinetics of AaLuminescence in KCl:TI Multiphonon Processes. Physica Status Solidi (B): Basic Research, 1991, 166, 503-510.	1.5	35
218	On Negative Probabilities from the Agranovich and Galanin Model of Luminescence and Energy Transfer. Physica Status Solidi (B): Basic Research, 1989, 154, K183.	1.5	0
219	Properties of new mixed Lu/sub x/(RE/sup 3+)/sub 1-x/AlO/sub 3/:Ce scintillators (RE/sup 3+/=Y/sup 3+/ or) Tj ETQq1 1 0.784314 rgBT	1.0784314	1