

Eva Miháková

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	The antisite LuAl defect-related trap in Lu ₃ Al ₅ O ₁₂ :Ce single crystal. Physica Status Solidi (B): Basic Research, 2005, 242, R119-R121.	1.5	199
2	Defect Engineering in Ce-Doped Aluminum Garnet Single Crystal Scintillators. Crystal Growth and Design, 2014, 14, 4827-4833.	3.0	197
3	Traps and Timing Characteristics of LuAG:Ce ³⁺ Scintillator. Physica Status Solidi A, 2000, 181, R10-R12.	1.7	194
4	Excitonic emission of scheelite tungstates AWO ₄ (A=Pb, Ca, Ba, Sr). Journal of Luminescence, 2000, 87-89, 1136-1139.	3.1	190
5	Shallow traps and radiative recombination processes in Lu ₃ Al ₅ O ₁₂ :Ce single crystal scintillator. Physical Review B, 2007, 75, 044107.	3.2	168
6	Luminescence and scintillation properties of YAG:Ce single crystal and optical ceramics. Journal of Luminescence, 2007, 126, 77-80.	3.1	159
7	Photoluminescence of Cs ₄ PbBr ₆ crystals and thin films. Chemical Physics Letters, 1999, 306, 280-284.	2.6	151
8	Antisite defect-free Lu ₃ (GaxAl _{1-x}) ₅ O ₁₂ :Pr scintillator. Applied Physics Letters, 2006, 88, 141916.	3.3	143
9	Thermally stimulated tunneling in rare-earth-doped oxyorthosilicates. Physical Review B, 2008, 78, .	3.2	139
10	Slow components in the photoluminescence and scintillation decays of PbWO ₄ single crystals. Physica Status Solidi (B): Basic Research, 1996, 195, 311-323.	1.5	130
11	Pr ³⁺ -doped complex oxide single crystal scintillators. Journal Physics D: Applied Physics, 2009, 42, 055117.	2.8	128
12	Efficient radioluminescence of the Ce ³⁺ -doped NaGd phosphate glasses. Applied Physics Letters, 2000, 77, 2159-2161.	3.3	115
13	Single crystalline film scintillators based on Ce- and Pr-doped aluminium garnets. Radiation Measurements, 2007, 42, 521-527.	1.4	92
14	Decay kinetics and thermoluminescence of PbWO ₄ : La ³⁺ . Applied Physics Letters, 1997, 71, 3755-3757.	3.3	90
15	Fast 5d ¹ 4f luminescence of Pr ³⁺ in Lu ₂ SiO ₅ single crystal host. Chemical Physics Letters, 2005, 410, 218-221.	2.6	85
16	A study of electron excitations in and single crystals. Journal of Physics Condensed Matter, 1997, 9, 249-256.	1.8	81
17	Tunneling process in thermally stimulated luminescence of mixed Lu ₃ Y _{1-x} AlO ₃ :Ce crystals. Physical Review B, 2000, 61, 8081-8086.	3.2	70
18	Enhanced efficiency of PbWO ₄ :Mo,Nb scintillator. Journal of Applied Physics, 2002, 91, 5041-5044.	2.5	66

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19	Temperature dependence of luminescence characteristics of $\text{Lu}_2(1-x)\text{Y}_2\text{SiO}_5:\text{Ce}^{3+}$ scintillator grown by the Czochralski method. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	66
20	Peculiarities of the triplet relaxed excited-state structure and luminescence of a CsI:Tl crystal. <i>Journal of Physics Condensed Matter</i> , 1995, 7, 3637-3653.	1.8	60
21	Scintillator Materials—Achievements, Opportunities, and Puzzles. <i>IEEE Transactions on Nuclear Science</i> , 2008, 55, 1035-1041.	2.0	60
22	Photoinduced Pb^{2+} -center in PbWO_4 : Electron spin resonance and thermally stimulated luminescence study. <i>Physical Review B</i> , 2001, 64, .	3.2	57
23	Luminescence of CsPbBr_3 -like quantum dots in CsBr single crystals. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 1999, 4, 323-331.	2.7	56
24	Preparation and luminescence properties of ZnO:Ga polystyrene composite scintillator. <i>Optics Express</i> , 2016, 24, 15289.	3.4	56
25	Decay kinetics of the green emission in tungstates and molybdates. <i>Radiation Measurements</i> , 2004, 38, 533-537.	1.4	55
26	Photoluminescence & decay kinetics of Cs_4PbCl_6 single crystals. <i>Solid State Communications</i> , 1992, 84, 1089-1092.	1.9	54
27	Hole and electron traps in the YAlO_3 crystal scintillator. <i>Physical Review B</i> , 2009, 80, .	3.2	54
28	Photoluminescence of Bi^{3+} in $\text{Y}_3\text{Ga}_5\text{O}_{12}$ single-crystal host. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 3367-3375.	1.8	53
29	Quantum size effect in the excitonic luminescence of CsPbX_3 -like quantum dots in CsX ($X = \text{Cl}, \text{Br}$) single crystal host. <i>Journal of Luminescence</i> , 1997, 72-74, 377-379.	3.1	52
30	Electron traps related to oxygen vacancies in PbWO_4 . <i>Physical Review B</i> , 2003, 67, .	3.2	49
31	Luminescence Spectroscopy and Origin of Luminescence Centers in Bi-Doped Materials. <i>Crystals</i> , 2020, 10, 208.	2.2	48
32	Hindered decay: Quantum Zeno effect through electromagnetic field domination. <i>Physical Review A</i> , 1997, 56, 25-32.	2.5	46
33	An effect of Zr^{4+} co-doping of YAP:Ce scintillator. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 486, 250-253.	1.6	46
34	Decay kinetics of the slow component of Pb^{2+} emission in KX ($X = \text{Cl}, \text{Br}, \text{I}$) crystals. <i>Journal of Luminescence</i> , 1992, 54, 189-196.	3.1	45
35	Influence of doping on the emission and scintillation characteristics of PbWO_4 single crystals. <i>Journal of Applied Physics</i> , 2000, 87, 4243-4248.	2.5	43
36	Development of new mixed $\text{Lu}(\text{RE}_3+)\text{YAP:Ce}$ scintillators ($\text{RE}_3+=\text{Y}_3+$ or Gd_3+): comparison with other Ce-doped or intrinsic scintillating crystals. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000, 443, 331-341.	1.6	42

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37	Complete characterization of doubly doped PbWO ₄ :Mo,Y scintillators. Journal of Applied Physics, 2002, 91, 2791-2797.	2.5	42
38	Photoluminescence and decay kinetics of CsPbCl ₃ single crystals. Chemical Physics Letters, 1994, 220, 14-18.	2.6	40
39	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
40	Electron capture in PbWO ₄ : Mo and PbWO ₄ :Mo,La single crystals: ESR and TSL study. Physical Review B, 2005, 71, .	3.2	39
41	Scintillation Decay of LiCaAlF ₆ :Ce ³⁺ Single Crystals. Physica Status Solidi A, 2001, 187, R1-R3.	1.7	38
42	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
43	Optical, Structural and Paramagnetic Properties of Eu-Doped Ternary Sulfides A ₃ Ln ₂ S ₉ (A = Na, K, Rb; Ln =) Tj ETQq1 1 0.784314 rgBT / Qv 2.9 38	2.9	38
44	On the structure, synthesis, and characterization of ultrafast blue-emitting CsPbBr ₃ nanoplatelets. APL Materials, 2019, 7, .	5.1	38
45	Photoinduced (WO ₄) ³⁻ La ³⁺ center in PbWO ₄ : Electron spin resonance and thermally stimulated luminescence study. Physical Review B, 2000, 62, 10109-10115.	3.2	36
46	Slow Relaxation, Confinement, and Solitons. Physical Review Letters, 2002, 88, 224101.	7.8	36
47	Low Temperature Scintillation in ZnSe Crystals. IEEE Transactions on Nuclear Science, 2010, 57, 1470-1474.	2.0	36
48	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
49	Kinetics of Luminescence in KCl:Tl Multiphonon Processes. Physica Status Solidi (B): Basic Research, 1991, 166, 503-510.	1.5	35
50	Thermoluminescence of Zr-codoped Lu ₃ Al ₅ O ₁₂ :Ce crystals. Physica Status Solidi A, 2003, 195, R1-R3.	1.7	35
51	The Red-Shift of Ultraviolet Spectra and the Relation to Optical Basicity of Ce-Doped Alkali Rare-Earth Phosphate Glasses. Journal of the American Ceramic Society, 2004, 87, 1378-1380.	3.8	35
52	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
53	Trap-center recombination processes by rare earth activators in $YAlO_3$ crystal host. Physical Review B, 2009, 80, .	3.2	34
54	Optical properties of Eu ²⁺ -doped KLu ₂ S ₂ phosphor. Chemical Physics Letters, 2013, 574, 61-65.	2.6	34

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55	Eu ²⁺ Stabilization in YAG Structure: Optical and Electron Paramagnetic Resonance Study. Journal of Physical Chemistry C, 2016, 120, 21751-21761.	3.1	34
56	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
57	Luminescence and Charge Trapping in Cs ₂ HfCl ₆ Single Crystals: Optical and Magnetic Resonance Spectroscopy Study. Journal of Physical Chemistry C, 2017, 121, 12375-12382.	3.1	33
58	Luminescence of dimer lead centers in aluminium perovskites and garnets. Physica Status Solidi (B): Basic Research, 2009, 246, 1318-1326.	1.5	32
59	Temperature dependence of the Pr ³⁺ luminescence in LSO and YSO hosts. Journal of Luminescence, 2009, 129, 1857-1861.	3.1	32
60	Decay kinetics of CsI: Tl luminescence excited in the A absorption band. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1993, 67, 627-649.	0.6	31
61	Anomalous decay of the slow component of Pb ²⁺ emission. Physical Review B, 1998, 58, 6938-6943.	3.2	30
62	Modification of PbWO ₄ scintillator characteristics by doping. Journal of Crystal Growth, 2001, 229, 312-315.	1.5	30
63	ALnS ₂ :RE (A=K, Rb; Ln=La, Gd, Lu, Y): New optical materials family. Journal of Luminescence, 2016, 170, 718-735.	3.1	30
64	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
65	Incorporation of Ce ³⁺ in crystalline Gd-silicate nanoclusters formed in silica. Journal of Luminescence, 2012, 132, 461-466.	3.1	28
66	Structured emission of tetrahedral complexes due to Jahn-Teller and pseudo-Jahn-Teller effects. Physical Review B, 2001, 64, .	3.2	27
67	Pr ³⁺ luminescence center in Lu ₂ Si ₂ O ₇ host. Physica Status Solidi - Rapid Research Letters, 2009, 3, 293-295.	2.4	27
68	Luminescence and structural properties of RbGdS ₂ compounds doped by rare earth elements. Optical Materials, 2013, 35, 1226-1229.	3.6	27
69	Energy Transfer Between A _T and A _X Minima in KBr: Tl, Quantitative Four-Level Model. Physica Status Solidi (B): Basic Research, 1993, 175, 523-540.	1.5	26
70	Optical properties of Ce ³⁺ -doped KLuS ₂ phosphor. Journal of Luminescence, 2014, 147, 196-201.	3.1	26
71	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
72	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

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73	Relaxed excited state structure and luminescence of thallium-doped caesium chloride and bromide. Journal of Physics Condensed Matter, 1996, 8, 4301-4314.	1.8	24
74	Color centers in LiCaAlF ₆ single crystals and their suppression by doping. Journal of Applied Physics, 2002, 91, 5666-5670.	2.5	24
75	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
76	Stability of Quantum Breathers. Physical Review Letters, 2006, 96, 065501.	7.8	24
77	Luminescence and photo-thermally stimulated defect-creation processes in Bi ³⁺ -doped single crystals of lead tungstate. Physica Status Solidi (B): Basic Research, 2016, 253, 895-910.	1.5	24
78	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
79	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
80	Shallow Traps in $\text{YAlO}_3:\text{Ce}$ Single Crystal Perovskites. IEEE Transactions on Nuclear Science, 2008, 55, 1114-1117.	2.0	22
81	Influence of yttrium Content on the Ce ₁ and Ce ₂ Luminescence Characteristics in $\text{Lu}_{1-x}\text{Tj}_{x}\text{ETQq1}$ 1 0.784314 rgBT /Overl 2012, 59, 2079-2084.	2.0	22
82	Defect states in Pr ³⁺ doped lutetium pyrosilicate. Optical Materials, 2012, 34, 872-877.	3.6	22
83	Luminescence and excited state dynamics of Bi ³⁺ centers in Y ₂ O ₃ . Journal of Luminescence, 2015, 167, 268-277.	3.1	22
84	Origin of Bi ³⁺ -related luminescence in Gd ₃ Ga ₅ O ₁₂ :Bi epitaxial films. Journal of Luminescence, 2017, 190, 81-88.	3.1	22
85	Electronic band modification for faster and brighter Ce,Mg:Lu _{3-x} Y _x Al ₅ O ₁₂ ceramic scintillators. Journal of Luminescence, 2019, 214, 116545.	3.1	22
86	Spectroscopy and transfer processes in Lu _x Gd _{1-x} AlO ₃ : Ce scintillators. Journal of Luminescence, 1997, 72-74, 737-739.	3.1	21
87	Optical absorption and thermoluminescence of Tb ³⁺ -doped phosphate scintillating glasses. Journal of Physics Condensed Matter, 2002, 14, 7417-7426.	1.8	21
88	Trap levels in Y-aluminum garnet scintillating crystals. Radiation Measurements, 2004, 38, 673-676.	1.4	21
89	Rare earth doped LiCaAlF ₆ as a new potential dosimetric material. Optical Materials, 2007, 30, 69-71.	3.6	21
90	Assignment of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 4 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle f \langle \text{mml:mi} \rangle \langle \text{mml:mtext} \rangle \hat{a}^n \langle \text{mml:mtext} \rangle \langle \text{mml:mn} \rangle 5 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle$ bands in Ce-doped		

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91	Decay kinetics of the green emission in PbWO ₄ :Mo. Journal of Luminescence, 2003, 102-103, 618-622.	3.1	20
92	Intrinsic and Ce^{3+} - Related Luminescence of Single Crystals and Single Crystalline Films of YAP Perovskites: New Results. IEEE Transactions on Nuclear Science, 2008, 55, 1186-1191.	2.0	20
93	Energy transfer processes in CeF ₃ single crystals. Solid State Communications, 1993, 87, 185-188.	1.9	19
94	Anomalous decay of the slow emission component in doped alkali halides. Journal of Luminescence, 2001, 92, 311-316.	3.1	19
95	Radiation damage induced by I^{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
96	Optical and Structural Properties of Pb and Ce Doped SrHfO_3 Powders. IEEE Transactions on Nuclear Science, 2010, 57, 1245-1250.	2.0	19
97	Low temperature delayed recombination decay in scintillating garnets. Optical Materials, 2015, 40, 127-131.	3.6	19
98	Fabrication and properties of Eu:Lu ₂ O ₃ transparent ceramics for X-ray radiation detectors. Optical Materials, 2018, 80, 22-29.	3.6	19
99	Scintillation Response Enhancement in Nanocrystalline Lead Halide Perovskite Thin Films on Scintillating Wafers. Nanomaterials, 2022, 12, 14.	4.1	19
100	The doping of PbWO ₄ in shaping its scintillator characteristics. Radiation Measurements, 2001, 33, 705-708.	1.4	18
101	Luminescence and decay kinetics of Yb ²⁺ in LiCaAlF ₆ single crystal host. Optical Materials, 2003, 24, 191-195.	3.6	18
102	Influence of Si-codoping on YAG:Ce scintillation characteristics. IEEE Transactions on Nuclear Science, 2005, 52, 1105-1108.	2.0	18
103	Quantum tunneling and low temperature delayed recombination in scintillating materials. Chemical Physics Letters, 2013, 578, 66-69.	2.6	18
104	Temperature dependence of anomalous luminescence decay: Theory and experiment. Physical Review B, 2002, 66, .	3.2	17
105	Ce ³⁺ luminescence in aLiBaF ₃ single crystal at low temperatures. Physical Review B, 2002, 66, .	3.2	17
106	Radiation damage processes in complex-oxide scintillators. , 2007, , .		17
107	Lu ₃ Al ₅ O ₁₂ -based materials for high 2D-resolution scintillation detectors. Proceedings of SPIE, 2009, , .	0.8	17
108	Photoluminescence of Pb ²⁺ -doped SrHfO ₃ . Radiation Measurements, 2010, 45, 406-408.	1.4	17

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109	Can Pr-Doped YAP Scintillator Perform Better?. IEEE Transactions on Nuclear Science, 2010, 57, 1168-1174.	2.0	17
110	Optical and Structural Properties of RE^{3+} -Doped KLnS_2 Compounds. IEEE Transactions on Nuclear Science, 2014, 61, 385-389.	2.0	17
111	Time-resolved photoluminescence and excited state structure of Bi^{3+} center in YAlO_3 . Optical Materials, 2014, 36, 1705-1708.	3.6	17
112	Effect of La Doping on Calcium Tungstate (CaWO_4) Crystals Radiation Hardness. Physica Status Solidi A, 2000, 178, 799-804.	1.7	16
113	Influence of Gd^{3+} Concentration on $\text{PbWO}_4:\text{Gd}^{3+}$ Scintillation Characteristics. Physica Status Solidi A, 2000, 179, 445-454.	1.7	16
114	Defect states in $\text{Lu}_3\text{Al}_5\text{O}_{12}:\text{Ce}$ crystals. Radiation Effects and Defects in Solids, 2002, 157, 1003-1007.	1.2	16
115	Structure and morphology of scintillating Ce- and Pb-doped strontium hafnate powders. Optical Materials, 2010, 32, 1356-1359.	3.6	16
116	Intrinsic and impurity-induced emission bands in SrHfO_3 . Physical Review B, 2010, 82, .	3.2	16
117	Thermally Stimulated Luminescence in Ce-Doped Yttrium Oxyorthosilicate. IEEE Transactions on Nuclear Science, 2012, 59, 2085-2088.	2.0	16
118	Comparison of the scintillation and luminescence properties of the $(\text{Lu}_{1-x}\text{Gd}_x)_2\text{SiO}_5:\text{Ce}$ single crystal scintillators. Journal Physics D: Applied Physics, 2014, 47, 365304.	2.8	16
119	Luminescence characteristics of doubly doped $\text{KLu}_2\text{Si}_2\text{O}_7:\text{Eu}, \text{RE}$ (RE = Pr, Sm, Ce). Optical Materials, 2015, 41, 94-97.	3.6	16
120	Suppression of the slow scintillation component of $\text{Pr}:\text{Lu}_3\text{Al}_5\text{O}_{12}$ transparent ceramics by increasing Pr concentration. Journal of Luminescence, 2019, 210, 14-20.	3.1	16
121	Excited-state dynamics of Yb^{2+} in LiCaAlF_6 single crystal. Radiation Measurements, 2004, 38, 545-548.	1.4	15
122	Scintillation Response Comparison Among Ce-Doped Aluminum Garnets, Perovskites and Orthosilicates. IEEE Transactions on Nuclear Science, 2008, 55, 1142-1147.	2.0	15
123	Crystal Growth and Scintillating Properties of Zr/Si-Codoped $\text{YAlO}_3:\text{Pr}^{3+}$. IEEE Transactions on Nuclear Science, 2008, 55, 1476-1479.	2.0	15
124	Luminescence and decay kinetics of Pb^{2+} center in LiCaAlF_6 single crystal host. Optical Materials, 2009, 31, 1673-1677.	3.6	15
125	Thermally-induced ionization of the Ce^{3+} excited state in SrHfO_3 microcrystalline phosphor. Optical Materials, 2010, 33, 149-152.	3.6	15
126	Scintillation characteristics of LiCaAlF_6 -based single crystals under X-ray excitation. Applied Physics Letters, 2013, 102, .	3.3	15

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127	Core-shell ZnO:Ga-SiO ₂ nanocrystals: limiting particle agglomeration and increasing luminescence via surface defect passivation. RSC Advances, 2019, 9, 28946-28952.	3.6	15
128	Influence of Tl ⁺ concentration on emission and decay kinetics of CsI : Tl ⁺ single crystals. Journal of Luminescence, 1994, 60-61, 527-530.	3.1	14
129	The influence of defect states on scintillation characteristics of PbWO ₄ . Radiation Effects and Defects in Solids, 1999, 150, 15-19.	1.2	14
130	Role of breathers in anomalous decay. Physical Review E, 2004, 70, 016610.	2.1	14
131	Structure and time-dependence of quantum breathers. Chemical Physics, 2006, 322, 55-74.	1.9	14
132	In ⁺ , Pb ²⁺ and Bi ³⁺ in KBr crystal: Luminescence dynamics. Optical Materials, 2010, 32, 1280-1282.	3.6	14
133	Evidences of Rare-Earth Nanophases Embedded in Silica Using Vibrational Spectroscopy. IEEE Transactions on Nuclear Science, 2010, 57, 1361-1369.	2.0	14
134	Luminescence and excited state dynamics in Bi ³⁺ -doped LiLaP ₄ O ₁₂ phosphates. Journal of Luminescence, 2016, 176, 324-330.	3.1	14
135	Luminescence and scintillation properties of Lu ₃ Al ₅ O ₁₂ nanoceramics sintered by SPS method. Optical Materials, 2016, 53, 54-63.	3.6	14
136	Preliminary study on singlet oxygen production using CeF ₃ :Tb ³⁺ @SiO ₂ -PpIX. Radiation Measurements, 2016, 90, 325-328.	1.4	14
137	Photoluminescence of KMgF ₃ :Tl ⁺ . Journal of Physics and Chemistry of Solids, 1994, 55, 1-7.	4.0	13
138	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
139	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
140	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
141	Radiation damage processes in wide-gap scintillating crystals. New scintillation materials. Nuclear Physics, Section B, Proceedings Supplements, 1999, 78, 471-478.	0.4	12
142	Luminescence and scintillation properties of Y ₃ Al ₅ O ₁₂ :Pr single crystal. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 1012-1015.	0.8	12
143	Photoluminescence properties of non-stoichiometric strontium zirconate powder phosphor. Optical Materials, 2013, 35, 1019-1022.	3.6	12
144	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

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145	Relaxed Excited States Origin and Structure in Lead-Doped Caesium Bromide. <i>Physica Status Solidi (B): Basic Research</i> , 2001, 223, 745-756.	1.5	11
146	Defect states induced by UV laser irradiation in scintillating glasses. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002, 191, 366-370.	1.4	11
147	Path integral in a magnetic field using the Trotter product formula. <i>American Journal of Physics</i> , 2004, 72, 385-388.	0.7	11
148	Tunnelling processes-driven radiative recombination in complex oxide scintillators. <i>Journal of Physics: Conference Series</i> , 2010, 249, 012018.	0.4	11
149	Time-resolved spectroscopy of Bi ³⁺ centers in Y ₄ Al ₂ O ₉ . <i>Optical Materials</i> , 2015, 46, 104-108.	3.6	11
150	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
151	Origin of luminescence in Bi ³⁺ - doped lanthanide niobates. <i>Journal of Alloys and Compounds</i> , 2021, 859, 157800.	5.5	11
152	Effect of β irradiation on optical properties of Ce ³⁺ -doped phosphate and silicate scintillating glasses. <i>Radiation Physics and Chemistry</i> , 2002, 63, 231-234.	2.8	10
153	Delayed recombination luminescence in lead tungstate (PWO) scintillating crystals. <i>Journal of Luminescence</i> , 2003, 102-103, 791-796.	3.1	10
154	Crystal growth and scintillating properties of (Pr,Si)-doped YAlO ₃ . <i>Crystal Research and Technology</i> , 2007, 42, 1324-1328.	1.3	10
155	Defect states in Lu ₃ GaAl ₅ xO ₁₂ crystals and powders. <i>Optical Materials</i> , 2010, 32, 1298-1301.	3.6	10
156	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
157	Advanced Halide Scintillators: From the Bulk to Nano. <i>Advanced Photonics Research</i> , 2022, 3, .	3.6	10
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