

Vitalii Gorbenko

List of Publications by Year in descending order

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docs citations

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times ranked

1203
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#	ARTICLE	IF	CITATIONS
1	Composite Detectors Based on Single-Crystalline Films and Single Crystals of Garnet Compounds. <i>Materials</i> , 2022, 15, 1249.	1.3	12
2	New types of composite scintillators based on the single crystalline films and crystals of Gd ₃ (Al,Ga)5O ₁₂ :Ce mixed garnets. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 264, 114909.	1.7	5
3	LPE growth of Tb ₃ Al ₅ O ₁₂ :Ce single crystalline film converters for WLED application. <i>CrystEngComm</i> , 2021, 23, 3212-3219.	1.3	12
4	Composite Color Converters Based on Tb ₃ Al ₅ O ₁₂ :Ce Single-Crystalline Films and Y ₃ Al ₅ O ₁₂ :Ce Crystal Substrates. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100173.	1.2	8
5	Development of Composite Scintillators Based on the LuAG: Pr Single Crystalline Films and LuAG:Sc Single Crystals. <i>Crystals</i> , 2021, 11, 846.	1.0	4
6	Crystallization and Investigation of the Structural and Optical Properties of Ce ³⁺ -Doped Y _{3-x} CaxAl _{5-y} SiyO ₁₂ Single Crystalline Film Phosphors. <i>Crystals</i> , 2021, 11, 788.	1.0	5
7	Influence of high pressure on Eu ³⁺ luminescence in epitaxial RAlO ₃ (R = Gd, Tb, Lu, Gd _{0.6} Lu _{0.4} , or Y) single crystalline films. <i>Journal of Luminescence</i> , 2020, 220, 116991.	1.5	2
8	Study of the luminescence of Eu ²⁺ and Eu ³⁺ states in Ca ₃ Ga ₂ Ge ₃ O ₁₂ :Eu garnet using synchrotron radiation excitation. <i>Optical Materials</i> , 2020, 99, 109498.	1.7	4
9	LPE Growth of Composite Thermoluminescent Detectors Based on the Lu _{3-x} GdxAl ₅ O ₁₂ :Ce Single Crystalline Films and YAG:Ce Crystals. <i>Crystals</i> , 2020, 10, 189.	1.0	10
10	Investigations of the influence of Am-241 photons on the measured alpha particle response of luminescent materials. <i>Radiation Measurements</i> , 2020, 134, 106331.	0.7	2
11	Luminescent Properties of Nanopowder and Single-Crystalline Films of TbAG:Ce Garnet. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900495.	0.7	4
12	Liquid phase epitaxy growth of high-performance composite scintillators based on single crystalline films and crystals of LuAG. <i>CrystEngComm</i> , 2020, 22, 3713-3724.	1.3	11
13	Composite Scintillators Based on the Films and Crystals of (Lu,Gd,La) ₂ Si ₂ O ₇ Pyrosilicates. <i>IEEE Transactions on Nuclear Science</i> , 2020, 67, 994-998.	1.2	2
14	Comparison of the luminescent properties of LuAG:Ce films grown by pulse laser deposition and liquid phase epitaxy methods using synchrotron radiation excitation. <i>Optical Materials</i> , 2020, 105, 109751.	1.7	8
15	Alpha and gamma spectroscopy of composite scintillators based on the LuAG:Pr crystals and single crystalline films of LuAG:Ce and (Lu,Gd,Tb)AG:Ce garnets. <i>Optical Materials</i> , 2019, 96, 109268.	1.7	13
16	Epitaxial growth of single-crystalline-film scintillators based on Tb ³⁺ -doped and Tb ³⁺ -Ce ³⁺ -codoped Gd _{1-x} Lu _x AlO ₃ (0 ≤ x ≤ 1) mixed perovskites. <i>CrystEngComm</i> , 2019, 21, 1433-1441.	1.3	2
17	Composite thermoluminescent detectors based on the Ce ³⁺ doped LuAG/YAG and YAG/LuAG epitaxial structures. <i>Radiation Measurements</i> , 2019, 128, 106124.	0.7	11
18	LPE growth and study of the Ce ³⁺ incorporation in LuAlO ₃ :Ce single crystalline film scintillators. <i>CrystEngComm</i> , 2019, 21, 3313-3321.	1.3	13

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19	Eu ³⁺ multicenter formation and luminescent properties of Ca ₃ Sc ₂ Si ₃ O ₁₂ :Eu and Ca ₂ YScMgSiO ₁₂ :Eu single crystalline films. <i>Optical Materials</i> , 2019, 90, 70-75.	1.7	4
20	Development of Composite Scintillators Based on Single Crystalline Films and Crystals of Ce ³⁺ -Doped (Lu,Gd) ₃ (Al,Ga) ₅ O ₁₂ Mixed Garnet Compounds. <i>Crystal Growth and Design</i> , 2018, 18, 1834-1842.	1.4	26
21	Luminescent and scintillation properties of Ce ³⁺ doped Ca ₂ RMgScSi ₃ O ₁₂ (R = Y, Lu) single crystalline films. <i>Journal of Luminescence</i> , 2018, 195, 362-370.	1.5	11
22	Epitaxial growth of single crystalline film scintillating screens based on Eu ³⁺ doped RAlO ₃ (R = Y, Lu, Gd, Tb) perovskites. <i>CrystEngComm</i> , 2018, 20, 937-945.	1.3	16
23	Luminescent properties of (La,Lu,Gd) ₃ (Al,Sc,Ga) ₅ O ₁₂ :Ce mixed garnets under synchrotron radiation excitation. <i>Journal of Luminescence</i> , 2018, 199, 483-487.	1.5	9
24	Luminescence of Ce ³⁺ multicenters in Ca ²⁺ -Mg ²⁺ -Si ⁴⁺ based garnet phosphors. <i>Journal of Luminescence</i> , 2018, 199, 245-250.	1.5	18
25	Comparative study of the luminescent properties of oxide compounds under synchrotron radiation excitation: Lu ₂ O ₃ :Eu nanopowders, ceramics and films. <i>Journal of Luminescence</i> , 2018, 199, 461-464.	1.5	10
26	Intrinsic and defect-related luminescence of YAlO ₃ and LuAlO ₃ single crystals and films. <i>Optical Materials</i> , 2018, 86, 376-381.	1.7	18
27	Composite scintillators based on the crystals and single crystalline films of LuAG garnet doped with Ce ³⁺ , Pr ³⁺ and Sc ³⁺ ions. <i>Optical Materials</i> , 2018, 84, 593-599.	1.7	13
28	New silicate based thermographic phosphors Ca ₃ Sc ₂ Si ₃ O ₁₂ :Dy, Ca ₃ Sc ₂ Si ₃ O ₁₂ :Dy,Ce and their photoluminescence properties. <i>Journal of Luminescence</i> , 2018, 202, 13-19.	1.5	16
29	Epitaxial growth of composite scintillators based on Tb ₃ Al ₅ O ₁₂ :Ce single crystalline films and Gd ₃ Al _{2.5} Ga _{2.5} O ₁₂ :Ce crystal substrates. <i>CrystEngComm</i> , 2018, 20, 3994-4002.	1.3	16
30	Novel All-Solid-State Composite Scintillators Based on the Epitaxial Structures of LuAG Garnet Doped With Pr, Sc, and Ce Ions. <i>IEEE Transactions on Nuclear Science</i> , 2018, 65, 2114-2119.	1.2	10
31	Thermoluminescent Properties of Cerium-Doped Lu ₂ SO ₅ and Y ₂ SiO ₅ Single Crystalline Films Scintillators Grown from PbO-B ₂ O ₃ and Bi ₂ O ₃ Fluxes. <i>Crystals</i> , 2018, 8, 120.	1.0	5
32	Comparison of the Luminescent Properties of Y ₃ Al ₅ O ₁₂ :Pr Crystals and Films. <i>Acta Physica Polonica A</i> , 2018, 133, 948-953.	0.2	4
33	Growth and luminescent properties of single crystalline films of Ce ³⁺ doped Pr _{1-x} Lu _x AlO ₃ and Gd _{1-x} Lu _x AlO ₃ perovskites. <i>Journal of Crystal Growth</i> , 2017, 457, 220-226.	0.7	18
34	Luminescence and energy transfer processes in Ce ³⁺ activated (Gd,Tb) ₃ Al ₅ O ₁₂ single crystalline films. <i>Journal of Luminescence</i> , 2017, 188, 60-66.	1.5	26
35	Luminescent properties of Tm _{3-x} Lu _x Al ₅ O ₁₂ :Ce single crystalline films. <i>Optical Materials</i> , 2017, 69, 444-448.	1.7	2
36	Epitaxial growth of single crystalline film phosphors based on the Ce ³⁺ -doped Ca ₂ YMgScSi ₃ O ₁₂ garnet. <i>CrystEngComm</i> , 2017, 19, 3689-3697.	1.3	17

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37	Comparison of the luminescent properties of LuAG:Pr nanopowders, crystals and films using synchrotron radiation. <i>Optical Materials</i> , 2017, 66, 271-276.	1.7	7
38	EPR study of Ce ³⁺ luminescent centers in the Y ₂ SiO ₅ single crystalline films. <i>Optical Materials</i> , 2017, 72, 833-837.	1.7	9
39	Epitaxial growth of single crystalline film scintillators based on the Pr ³⁺ doped solid solution of Lu _{3-x} Al _{5-x} Ga _x O ₁₂ garnet. <i>CrystEngComm</i> , 2017, 19, 7031-7040.	1.3	2
40	Electronic structure of Ce ³⁺ in yttrium and lutetium orthoaluminate crystals and single crystal layers. <i>Journal of Alloys and Compounds</i> , 2017, 723, 157-163.	2.8	5
41	LPE Growth of Single Crystalline Film Scintillators Based on Ce ³⁺ Doped Tb _{3-x} Gd _x Al _{5-y} Ga _y O ₁₂ Mixed Garnets. <i>Crystals</i> , 2017, 7, 262.	1.0	13
42	Composition engineering of single crystalline films based on the multicomponent garnet compounds. <i>Optical Materials</i> , 2016, 61, 3-10.	1.7	12
43	Luminescent and scintillation properties of the Pr ³⁺ doped single crystalline films of Lu ₃ Al _{5-x} Ga _x O ₁₂ garnet. <i>Radiation Measurements</i> , 2016, 90, 183-187.	0.7	3
44	Comparison of the luminescent properties of Lu ₃ Al ₅ O ₁₂ :Pr crystals and films under synchrotron radiation excitation. <i>Journal of Luminescence</i> , 2016, 179, 496-500.	1.5	2
45	Luminescent and scintillation properties of Sc ³⁺ and La ³⁺ doped Y ₂ SiO ₅ powders and single crystalline films. <i>Journal of Luminescence</i> , 2016, 179, 445-450.	1.5	6
46	Luminescent and scintillation properties of YAG:Dy and YAG:Dy,Ce single crystalline films. <i>Radiation Measurements</i> , 2016, 90, 308-313.	0.7	5
47	Growth and luminescent properties of scintillators based on the single crystalline films of (Lu,Gd) ₃ (Al,Ga) ₅ O ₁₂ :Ce garnets. <i>Journal of Luminescence</i> , 2016, 169, 828-837.	1.5	25
48	Enhancement of up-conversion luminescence in Er,Ce doped Y ₃ Al ₅ O ₁₂ :Yb AG single crystalline films. <i>Journal of Luminescence</i> , 2016, 169, 816-821.	1.5	9
49	Luminescent properties of Al ₂ O ₃ :Ce single crystalline films under synchrotron radiation excitation. <i>Optical Materials</i> , 2016, 59, 141-144.	1.7	13
50	Luminescence and energy transfer processes in (Lu,Tb) ₃ Al ₅ O ₁₂ single crystalline films doped with Ce ³⁺ . <i>Journal of Luminescence</i> , 2016, 173, 141-148.	1.5	18
51	Scintillating Screens Based on the Single Crystalline Films of Multicomponent Garnets: New Achievements and Possibilities. <i>IEEE Transactions on Nuclear Science</i> , 2016, 63, 497-502.	1.2	10
52	Luminescent properties of LuAG:Yb and YAG:Yb single crystalline films grown by Liquid Phase Epitaxy method. <i>Radiation Measurements</i> , 2016, 90, 132-135.	0.7	0
53	Luminescent and scintillation properties of the Ce ³⁺ doped Y ₃ Al ₅ O ₁₂ :Ce single crystalline films. <i>Journal of Luminescence</i> , 2016, 169, 822-827.	1.5	14
54	High-performance Ce-doped multicomponent garnet single crystalline film scintillators. <i>Physica Status Solidi - Rapid Research Letters</i> , 2015, 9, 489-493.	1.2	41

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55	Growth and luminescent properties of scintillators based on the single crystalline films of $\text{Lu}_{3-x}\text{Gd}_x\text{Al}_5\text{O}_{12}:\text{Ce}$ garnet. <i>Materials Research Bulletin</i> , 2015, 64, 355-363.	2.7	30
56	Luminescent and scintillation properties of CaWO_4 and $\text{CaWO}_4:\text{Bi}$ single crystalline films. , 2014, , .		1
57	Growth, luminescent properties and energy transfer processes in $(\text{Lu},\text{Tb})_3\text{Al}_5\text{O}_{12}:\text{Ce}$ single crystalline films. , 2014, , .		0
58	Growth and luminescent properties of $(\text{Tb},\text{Gd})_3\text{Al}_5\text{O}_{12}:\text{Ce}$ single crystalline films. , 2014, , .		1
59	Ce^{3+} multicolors in selected garnets, perovskites, and glasses. , 2014, , .		0
60	Scintillating screens based on the single crystalline films of orthosilicates and multicomponent garnets. , 2014, , .		0
61	Thermoluminescence properties of $\text{LSO}:\text{Ce}$ and $\text{YSO}:\text{Ce}$ films grown from PbO and Bi_2O_3 fluxes. , 2014, , .		0
62	Luminescent and scintillation properties of $\text{YAG}:\text{Tm}$ and $\text{YAG}:\text{Ce},\text{Tm}$ single crystalline films. <i>Optical Materials</i> , 2014, 36, 1685-1687.	1.7	4
63	Luminescent properties of the Sc^{3+} doped single crystalline films of $(\text{Y},\text{Lu},\text{La})_3(\text{Al},\text{Ga})_5\text{O}_{12}$ multi-component garnets. <i>Optical Materials</i> , 2014, 36, 1760-1764.	1.7	10
64	Luminescent properties of Mn-doped $\text{Y}_3\text{Al}_5\text{O}_{12}$ single crystalline films. <i>Optical Materials</i> , 2014, 36, 1680-1684.	1.7	6
65	Rare-earth antisites in lutetium aluminum garnets: Influence on lattice parameter and Ce^{3+} multicolor structure. <i>Optical Materials</i> , 2014, 36, 1515-1519.	1.7	27
66	Luminescent properties and energy transfer processes in $\text{YAG}:\text{Er}$ single crystalline films. <i>Journal of Luminescence</i> , 2014, 154, 198-203.	1.5	10
67	Comparative analysis of the scintillation and thermoluminescent properties of Ce-doped LSO and YSO crystals and films. <i>Optical Materials</i> , 2014, 36, 1715-1719.	1.7	9
68	Luminescent and scintillation properties of Bi^{3+} doped Y_2SiO_5 and Lu_2SiO_5 single crystalline films. <i>Journal of Luminescence</i> , 2014, 154, 525-530.	1.5	18
69	OSL dosimetric properties of cerium doped lutetium orthosilicates. <i>Radiation Measurements</i> , 2014, 71, 139-142.	0.7	14
70	Luminescent properties and energy transfer processes in $\text{Ce}^{3+}:\text{Tb}^{3+}$ doped single crystalline film screens of Lu-based silicate, perovskite and garnet compounds. <i>Radiation Measurements</i> , 2013, 56, 415-419.	0.7	9
71	Electronic structure of Ce^{3+} multicolors in yttrium aluminum garnets. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	40
72	Luminescence properties and energy transfer processes in $\text{YAG}:\text{Yb},\text{Er}$ single crystalline films. <i>Radiation Measurements</i> , 2013, 56, 134-138.	0.7	8

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73	Lu ₂ SiO ₅ :Ce and Y ₂ SiO ₅ :Ce single crystals and single crystalline film scintillators: Comparison of the luminescent and scintillation properties. Radiation Measurements, 2013, 56, 84-89.	0.7	18
74	Photoluminescence and excited state structure in Bi ³⁺ -doped Y ₂ SiO ₅ single crystalline films. Radiation Measurements, 2013, 56, 90-93.	0.7	13
75	Growth and luminescent properties of (Lu ³⁺ /Y)AlO ₃ :Ce single crystalline films. Radiation Measurements, 2013, 56, 159-162.	0.7	3
76	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.	0.7	5
77	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.	1.5	25
78	Comparative study of TL and OSL properties of LSO and LSO:Ce single crystals and single crystalline films. Radiation Measurements, 2013, 56, 196-199.	0.7	9
79	Bi ³⁺ ↔ Ce ³⁺ energy transfer and luminescent properties of LuAG:Bi,Ce and YAG:Bi,Ce single crystalline films. Journal of Luminescence, 2013, 134, 539-543.	1.5	13
80	Bi ³⁺ ↔ Pr ³⁺ energy transfer processes and luminescent properties of LuAG:Bi,Pr and YAG:Bi,Pr single crystalline films. Journal of Luminescence, 2013, 141, 137-143.	1.5	14
81	Multi-component Ce doped (Gd,Y,Lu) ₃ (AlGaSc) ₅ O ₁₂ garnets – A new story in the development of scintillating single crystalline film screens. Radiation Measurements, 2013, 56, 150-154.	0.7	13
82	LPE growth and luminescent properties of Ce doped A ₂ SiO ₅ :Ce (A = Lu, Gd, Y) single crystalline films. , 2012, , .		0
83	TSL properties of A ₂ SiO ₅ and A ₂ SiO ₅ :Ce (A=Y, Lu) single crystals and single crystalline films. , 2012, , .		0
84	Development of single crystalline film scintillators based on the Ce doped multi-component garnet compounds. , 2012, , .		0
85	Scintillation and luminescent properties of undoped and Ce ³⁺ doped Y ₂ SiO ₅ and Lu ₂ SiO ₅ single crystalline films grown by LPE method. Optical Materials, 2012, 34, 1969-1974.	1.7	41
86	Luminescent properties of YAlO ₃ :Mn single crystalline films. Optical Materials, 2012, 34, 1979-1983.	1.7	8
87	Luminescent and scintillation properties of Lu ₃ Al ₅ O ₁₂ :Sc single crystal and single crystalline films. Optical Materials, 2012, 34, 2080-2085.	1.7	17
88	Luminescence of lead-related centres in single crystalline films of Lu ₂ SiO ₅ . Journal Physics D: Applied Physics, 2012, 45, 355304.	1.3	8
89	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.	0.7	40
90	Time-resolved spectroscopy of exciton states in single crystals and single crystalline films of YAlO ₃ and YAlO ₃ :Ce. Journal Physics D: Applied Physics, 2011, 44, 315402.	1.3	25

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91	Growth and luminescent properties of Lu ₂ SiO ₅ :Ce and (Lu _{1-x} Gdx) ₂ SiO ₅ :Ce single crystalline films. Journal of Crystal Growth, 2011, 337, 72-80.	0.7	26
92	Development of novel UV emitting single crystalline film scintillators. Journal of Physics: Conference Series, 2011, 289, 012029.	0.3	1
93	Time-resolved spectroscopy of exciton-related states in single crystals and single crystalline films of Lu ₃ Al ₅ O ₁₂ and Lu ₃ Al ₅ O ₁₂ :Ce. Physica Status Solidi (B): Basic Research, 2011, 248, 1505-1512.	0.7	11
94	Growth and luminescent properties of Lu ₂ SiO ₅ and Lu ₂ SiO ₅ :Ce single crystalline films. Optical Materials, 2011, 33, 846-852.	1.7	37
95	Luminescence properties of Y ₃ Al ₅ O ₁₂ :Ce nanoceramics. Journal of Luminescence, 2011, 131, 17-21.	1.5	45
96	Equivalence theorem in effective theories. Physical Review D, 2011, 84, .	1.6	3
97	Novel UV-emitting single crystalline film phosphors grown by LPE method. Radiation Measurements, 2010, 45, 444-448.	0.7	11
98	Time-resolved luminescent spectroscopy of YAG:Ce single crystal and single crystalline films. Radiation Measurements, 2010, 45, 395-397.	0.7	13
99	Luminescence and ESR characteristics of γ -irradiated Lu ₃ Al ₅ O ₁₂ :Ce single crystalline film scintillators. Radiation Measurements, 2010, 45, 419-421.	0.7	12
100	Photoluminescence of Lu ₃ Al ₅ O ₁₂ :Bi and Y ₃ Al ₅ O ₁₂ :Bi single crystalline films. Radiation Measurements, 2010, 45, 331-335.	0.7	31
101	Influence of lead-related centers on luminescence of Ce ³⁺ and Pr ³⁺ centers in single crystalline films of aluminium perovskites and garnets. Radiation Measurements, 2010, 45, 415-418.	0.7	19
102	Luminescence and scintillation characteristics of YAG:Ce single crystalline films and single crystals. Radiation Measurements, 2010, 45, 389-391.	0.7	29
103	Growth and luminescence properties of Pr ³⁺ -doped single crystalline films of garnets and perovskites. Radiation Measurements, 2010, 45, 461-464.	0.7	25
104	Luminescence of Mn ²⁺ ions in Tb ₃ Al ₅ O ₁₂ garnet. Journal of Luminescence, 2010, 130, 380-386.	1.5	40
105	Luminescence spectroscopy of the Bi ³⁺ single and dimer centers in Y ₃ Al ₅ O ₁₂ :Bi single crystalline films. Journal of Luminescence, 2010, 130, 1963-1969.	1.5	31
106	Growth and luminescent properties of TbAlO ₃ : Mn single crystalline films. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 967-973.	0.8	8
107	Growth and luminescent properties of Lu ₂ SiO ₅ and Lu ₂ SiO ₅ :Ce single crystalline films. IOP Conference Series: Materials Science and Engineering, 2010, 15, 012010.	0.3	4
108	Development of Novel UV Emitting Single Crystalline Film Scintillators. IEEE Transactions on Nuclear Science, 2010, 57, 1335-1342.	1.2	25

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109	High pressure spectroscopy study of SCF Tb ₃ Al ₅ O ₁₂ :Mn. Journal of Physics: Conference Series, 2010, 249, 012015.	0.3	13
110	10.1007/s11449-008-1011-3. , 2010, 104, 75.		0
111	Peculiarities of excited state structure and photoluminescence in Bi ³⁺ -doped Lu ₃ Al ₅ O ₁₂ single-crystalline films. Journal of Physics Condensed Matter, 2009, 21, 415502.	0.7	26
112	The luminescent and scintillation properties of YAlO ₃ and YAlO ₃ :Ce single crystalline films grown by liquid phase epitaxy from BaO-based flux. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2586-2592.	0.8	25
113	Luminescence of dimer lead centers in aluminium perovskites and garnets. Physica Status Solidi (B): Basic Research, 2009, 246, 1318-1326.	0.7	32
114	Luminescence properties of phosphors based on Tb ₃ Al ₅ O ₁₂ (TbAG) terbium-aluminum garnet. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2009, 106, 365-374.	0.2	56
115	Luminescence characteristics of LuAG:Pr and YAG:Pr single crystalline films. Optical Materials, 2009, 31, 1805-1807.	1.7	22
116	Optical, luminescence and scintillation characteristics of Bi-doped LuAG and YAG single crystalline films. Journal Physics D: Applied Physics, 2009, 42, 075501.	1.3	30
117	Lu ₃ Al ₅ O ₁₂ -based materials for high 2D-resolution scintillation detectors. Proceedings of SPIE, 2009, , .	0.8	17
118	Luminescence of Pb ²⁺ ions in YAG:Pb single-crystalline films. Physica Status Solidi (B): Basic Research, 2008, 245, 1618-1622.	0.7	22
119	Luminescence of La ³⁺ and Sc ³⁺ impurity centers in YAlO ₃ single-crystalline films. Journal of Luminescence, 2008, 128, 595-602.	1.5	11
120	Luminescence and Tb ³⁺ →Ce ³⁺ →Eu ³⁺ ion energy transfer in single-crystalline films of Tb ₃ Al ₅ O ₁₂ :Ce,Eu garnet. Journal of Luminescence, 2008, 128, 652-660.	1.5	62
121	Luminescence spectroscopy of excitons and antisite defects in Lu ₃ Al ₅ O ₁₂ single crystals and single-crystal films. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2008, 104, 75-87.	0.2	25
122	Intrinsic and $\{m\text{Ce}^{3+}\}$ -Related Luminescence in Single Crystalline Films and Single Crystals of LuAP and LuAP:Ce Perovskites. IEEE Transactions on Nuclear Science, 2008, 55, 1192-1196.	1.2	17
123	Luminescence characteristics of Pb ²⁺ centres in undoped and Ce ³⁺ -doped Lu ₃ Al ₅ O ₁₂ single-crystalline films and Pb ²⁺ →Ce ³⁺ energy transfer processes. Journal of Luminescence, 2007, 127, 384-390.	1.5	73
124	Single crystalline film scintillators based on Ce- and Pr-doped aluminium garnets. Radiation Measurements, 2007, 42, 521-527.	0.7	92
125	Influence of thermal treatment and -radiation on absorption, luminescence and scintillation properties of single crystalline films. Radiation Measurements, 2007, 42, 557-560.	0.7	12
126	Luminescence of ions in single crystalline films. Radiation Measurements, 2007, 42, 882-886.	0.7	48

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127	Single crystalline film screens for cathode-ray tubes: New life of television scanning optical microscopy. <i>Radiation Measurements</i> , 2007, 42, 933-936.	0.7	21
128	Growth peculiarities of the (, Yb, Tb, Eu ²⁺ /Y) single crystalline film phosphors by liquid phase epitaxy. <i>Radiation Measurements</i> , 2007, 42, 907-910.	0.7	55
129	The role of Pb ²⁺ ions in the luminescence of LuAG:Ce single crystalline films. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 797-800.	0.8	13
130	Intrinsic luminescence of YAlO ₃ perovskites. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 963-967.	0.8	17
131	Peculiarities of luminescence and scintillation properties of YAP:Ce and LuAP:Ce single crystals and single crystalline films. <i>Radiation Measurements</i> , 2007, 42, 528-532.	0.7	55
132	High-pressure luminescence spectroscopy of EuAl ₂ O ₄ phosphor. <i>Radiation Measurements</i> , 2007, 42, 652-656.	0.7	8
133	Single-crystalline films of Ce-doped YAG and LuAG phosphors: advantages over bulk crystals analogues. <i>Journal of Luminescence</i> , 2005, 114, 85-94.	1.5	172
134	Luminescence of Sc-related centers in single crystalline films of Lu ₃ Al ₅ O ₁₂ garnet. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 105-108.	0.8	17
135	Exciton-related luminescence in LuAG:Ce single crystals and single crystalline films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005, 202, 1113-1119.	0.8	44
136	New type of scintillation detectors for biological, medical, and radiation monitoring applications. <i>IEEE Transactions on Nuclear Science</i> , 2004, 51, 1297-1303.	1.2	20
137	Scintillation properties of Lu ₃ Al ₅ O ₁₂ :Ce single-crystalline films. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 486, 309-314.	0.7	107
138	Single crystalline thin film screens for cathode ray tubes: possibilities of application, peculiarities, and light parameters. , 1998, , .		10
139	Novel composite color converters based on Tb _{1.5} Gd _{1.5} Al ₅ O ₁₂ :Ce single crystalline films and Y ₃ Al ₅ O ₁₂ :Ce crystal substrates. <i>CrystEngComm</i> , 0, , .	1.3	1