

Yu Zorenko

List of Publications by Year in descending order

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papers

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126708

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all docs

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docs citations

252
times ranked

1862
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.	0.7	199
2	Single-crystalline films of Ce-doped YAG and LuAG phosphors: advantages over bulk crystals analogues. Journal of Luminescence, 2005, 114, 85-94.	1.5	172
3	Exciton and antisite defect-related luminescence in Lu ₃ Al ₅ O ₁₂ and Y ₃ Al ₅ O ₁₂ garnets. Physica Status Solidi (B): Basic Research, 2007, 244, 2180-2189.	0.7	149
4	Scintillation properties of Lu ₃ Al ₅ O ₁₂ :Ce single-crystalline films. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 486, 309-314.	0.7	107
5	Single crystalline film scintillators based on Ce- and Pr-doped aluminium garnets. Radiation Measurements, 2007, 42, 521-527.	0.7	92
6	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
7	Luminescence of F ⁺ and F centers in YAlO ₃ . Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.784314 rgBT /Overl 0,2 66	0.2	56
8	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
9	Luminescence of excitons and antisite defects in the phosphors based on garnet compounds. Radiation Measurements, 2004, 38, 677-680.	0.7	56
10	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
11	Binding energies of Eu ²⁺ and Eu ³⁺ ions in \hat{I}^2 -Ca ₂ SiO ₄ doped with europium. Optical Materials, 2013, 35, 2107-2114.	1.7	56
12	Growth peculiarities of the (, Yb, Tb, Eu→Y) single crystalline film phosphors by liquid phase epitaxy. Radiation Measurements, 2007, 42, 907-910.	0.7	55
13	Peculiarities of luminescence and scintillation properties of YAP:Ce and LuAP:Ce single crystals and single crystalline films. Radiation Measurements, 2007, 42, 528-532.	0.7	55
14	Aluminum and Gallium Substitution in Yttrium and Lutetium Aluminum→Gallium Garnets: Investigation by Single-Crystal NMR and TSL Methods. Journal of Physical Chemistry C, 2016, 120, 24400-24408.	1.5	51
15	Energy transfer to ions in single crystalline films. Radiation Measurements, 2007, 42, 648-651.	0.7	50
16	Formation of luminescent centers in CeO ₂ nanocrystals. Journal of Luminescence, 2014, 145, 61-64.	1.5	49
17	Luminescence of ions in single crystalline films. Radiation Measurements, 2007, 42, 882-886.	0.7	48
18	Luminescence of isoelectronic impurities and antisite defects in garnets. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 375-379.	0.8	46

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19	Paramagnetic impurity defects in LuAG:Ce thick film scintillators. <i>Radiation Measurements</i> , 2007, 42, 835-838.	0.7	46
20	Luminescence properties of Y ₃ Al ₅ O ₁₂ :Ce nanoceramics. <i>Journal of Luminescence</i> , 2011, 131, 17-21.	1.5	45
21	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
22	The luminescence of CaWO ₄ :Bi single crystals. <i>Journal of Luminescence</i> , 2006, 116, 43-51.	1.5	43
23	Scintillation and optical properties of YAG:Ce films grown by liquid phase epitaxy. <i>Radiation Measurements</i> , 2007, 42, 533-536.	0.7	42
24	Luminescence of F ⁺ and F centers in Al ₂ O ₃ -Y ₂ O ₃ oxide compounds. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 15, 012060.	0.3	42
25	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. <i>Optical Materials</i> , 2012, 34, 1969-1974.	1.7	41
26	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
27	Luminescence of Mn ²⁺ ions in Tb ₃ Al ₅ O ₁₂ garnet. <i>Journal of Luminescence</i> , 2010, 130, 380-386.	1.5	40
28	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. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 1039-1045.	0.7	40
29	Electronic structure of Ce ³⁺ multicenters in yttrium aluminum garnets. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	40
30	Mechanism of dissipation of the excitation energy in garnet oxides doped with rare-earth ions with 4f-5d transitions. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2000, 88, 551-553.	0.2	38
31	Growth and luminescent properties of Lu ₂ SiO ₅ and Lu ₂ SiO ₅ :Ce single crystalline films. <i>Optical Materials</i> , 2011, 33, 846-852.	1.7	37
32	Epitaxial structures of garnets as scintillation detectors of ionizing radiation. <i>Journal of Applied Spectroscopy</i> , 1990, 52, 645-649.	0.3	35
33	Peculiarities of luminescent and scintillation properties of YAG:Ce phosphor prepared in different crystalline forms. <i>Optical Materials</i> , 2012, 34, 1314-1319.	1.7	35
34	The $\hat{1}\pm$ -particle excited scintillation response of the liquid phase epitaxy grown LuAG:Ce thin films. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	34
35	Luminescence of dimer lead centers in aluminium perovskites and garnets. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 1318-1326.	0.7	32
36	Photoluminescence of Lu ₃ Al ₅ O ₁₂ :Bi and Y ₃ Al ₅ O ₁₂ :Bi single crystalline films. <i>Radiation Measurements</i> , 2010, 45, 331-335.	0.7	31

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37	Luminescence spectroscopy of the Bi ³⁺ single and dimer centers in Y ₃ Al ₅ O ₁₂ :Bi single crystalline films. <i>Journal of Luminescence</i> , 2010, 130, 1963-1969.	1.5	31
38	Epitaxial growth of gadolinium and lutetium-based aluminum perovskite thin films for X-ray micro-imaging applications. <i>CrystEngComm</i> , 2016, 18, 608-615.	1.3	31
39	Optical, luminescence and scintillation characteristics of Bi-doped LuAG and YAG single crystalline films. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 075501.	1.3	30
40	Growth and luminescent properties of scintillators based on the single crystalline films of Lu ³⁺ xGdxAl ₅ O ₁₂ :Ce garnet. <i>Materials Research Bulletin</i> , 2015, 64, 355-363.	2.7	30
41	Luminescence of Sc ³⁺ and La ³⁺ isoelectronic impurities in Lu ₃ Al ₅ O ₁₂ single-crystal films. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2006, 100, 572-580.	0.2	29
42	Luminescence and scintillation characteristics of YAG:Ce single crystalline films and single crystals. <i>Radiation Measurements</i> , 2010, 45, 389-391.	0.7	29
43	Luminescence of excitons and antisite defects in Lu ₃ Al ₅ O ₁₂ :Ce single crystals and single-crystal films. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2005, 99, 923-931.	0.2	28
44	Synthesis and luminescent properties of prospective Ce ³⁺ doped silicate garnet phosphors for white LED converters. <i>Journal of Luminescence</i> , 2017, 192, 328-336.	1.5	28
45	Rare-earth antisites in lutetium aluminum garnets: Influence on lattice parameter and Ce ³⁺ multicenter structure. <i>Optical Materials</i> , 2014, 36, 1515-1519.	1.7	27
46	Scintillating screens based on the LPE grown Tb ₃ Al ₅ O ₁₂ :Ce single crystalline films. <i>Optical Materials</i> , 2017, 65, 73-81.	1.7	27
47	New scintillation detectors based on oxide single crystal films for biological microtomography. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003, 505, 93-96.	0.7	26
48	Peculiarities of excited state structure and photoluminescence in Bi ³⁺ -doped Lu ₃ Al ₅ O ₁₂ single-crystalline films. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 415502.	0.7	26
49	Growth and luminescent properties of Lu ₂ SiO ₅ :Ce and (Lu ¹⁺ xGdx) ₂ SiO ₅ :Ce single crystalline films. <i>Journal of Crystal Growth</i> , 2011, 337, 72-80.	0.7	26
50	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
51	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
52	Ga for Al substitution effects on the garnet phase stability and luminescence properties of Gd ₃ GaxAl _{5-x} O ₁₂ :Ce single crystals. <i>Journal of Luminescence</i> , 2019, 216, 116724.	1.5	26
53	Luminescence spectroscopy of excitons and antisite defects in Lu ₃ Al ₅ O ₁₂ single crystals and single-crystal films. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2008, 104, 75-87.	0.2	25
54	The luminescent and scintillation properties of YAlO ₃ and YAlO ₃ :Ce single crystalline films grown by liquid phase epitaxy from BaO-based flux. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 2586-2592.	0.8	25

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55	Growth and luminescence properties of Pr ³⁺ -doped single crystalline films of garnets and perovskites. <i>Radiation Measurements</i> , 2010, 45, 461-464.	0.7	25
56	Development of Novel UV Emitting Single Crystalline Film Scintillators. <i>IEEE Transactions on Nuclear Science</i> , 2010, 57, 1335-1342.	1.2	25
57	Time-resolved spectroscopy of exciton states in single crystals and single crystalline films of YAlO ₃ and YAlO ₃ :Ce. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 315402.	1.3	25
58	Photoluminescence and excited state structure of Bi ³⁺ -related centers in Lu ₂ SiO ₅ :Bi single crystalline films. <i>Journal of Luminescence</i> , 2013, 134, 469-476.	1.5	25
59	Luminescent properties of Y ₃ Al _{5-x} Ga _x O ₁₂ :Ce crystals. <i>Journal of Luminescence</i> , 2014, 156, 102-107.	1.5	25
60	Growth and characterization of large CeAlO ₃ perovskite crystals. <i>Journal of Crystal Growth</i> , 2015, 430, 116-121.	0.7	25
61	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
62	Intrinsic and Ce ³⁺ -related luminescence of YAG and YAG:Ce single crystals, single crystalline films and nanopowders. <i>Optical Materials</i> , 2009, 31, 1845-1848.	1.7	23
63	Luminescence of Pb ²⁺ ions in YAG:Pb single-crystalline films. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 1618-1622.	0.7	22
64	Shallow Traps in YAlO ₃ :Ce Single Crystal Perovskites. <i>IEEE Transactions on Nuclear Science</i> , 2008, 55, 1114-1117.	1.2	22
65	Luminescence characteristics of LuAG:Pr and YAG:Pr single crystalline films. <i>Optical Materials</i> , 2009, 31, 1805-1807.	1.7	22
66	Ultraviolet luminescence of single crystals and single-crystal films of YAlO ₃ . <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2004, 96, 70-76.	0.2	21
67	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
68	Growth and luminescence properties of single-crystalline films of RAlO ₃ (R = Lu, Lu-Y, Y, Tb) perovskite. <i>Physics of the Solid State</i> , 2009, 51, 1800-1808.	0.2	21
69	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
70	Intrinsic and Ce ³⁺ -Related Luminescence of Single Crystals and Single Crystalline Films of YAP Perovskites: New Results. <i>IEEE Transactions on Nuclear Science</i> , 2008, 55, 1186-1191.	1.2	20
71	Single Crystalline Film Scintillators Based on the Orthosilicate, Perovskite and Garnet Compounds. <i>IEEE Transactions on Nuclear Science</i> , 2012, 59, 2260-2268.	1.2	20
72	Influence of lead-related centers on luminescence of Ce ³⁺ and Pr ³⁺ centers in single crystalline films of aluminium perovskites and garnets. <i>Radiation Measurements</i> , 2010, 45, 415-418.	0.7	19

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73	Scintillators Based on CdWO_4 and $\text{Bi}_4\text{WO}_{12}$ Single Crystalline Films. IEEE Transactions on Nuclear Science, 2012, 59, 2281-2285.	1.2	18
74	$\text{Lu}_2\text{SiO}_5\text{:Ce}$ and $\text{Y}_2\text{SiO}_5\text{:Ce}$ single crystals and single crystalline film scintillators: Comparison of the luminescent and scintillation properties. Radiation Measurements, 2013, 56, 84-89.	0.7	18
75	Growth and luminescent properties of Ce and Ce-Tb doped $(\text{Y,Lu,Gd})_2\text{SiO}_5\text{:Ce}$ single crystalline films. Journal of Crystal Growth, 2014, 401, 577-583.	0.7	18
76	Luminescent and scintillation properties of Bi^{3+} doped Y_2SiO_5 and Lu_2SiO_5 single crystalline films. Journal of Luminescence, 2014, 154, 525-530.	1.5	18
77	Epitaxial Growth of LuAG:Ce and LuAG:Ce,Pr Films and Their Scintillation Properties. IEEE Transactions on Nuclear Science, 2016, 63, 1726-1732.	1.2	18
78	Luminescence and energy transfer processes in $(\text{Lu,Tb})_3\text{Al}_5\text{O}_{12}$ single crystalline films doped with Ce^{3+} . Journal of Luminescence, 2016, 173, 141-148.	1.5	18
79	Growth and luminescent properties of single crystalline films of Ce^{3+} doped $\text{Pr}_{1-x}\text{Lu}_x\text{AlO}_3$ and $\text{Gd}_{1-x}\text{Lu}_x\text{AlO}_3$ perovskites. Journal of Crystal Growth, 2017, 457, 220-226.	0.7	18
80	Luminescence of Ce^{3+} multicenters in $\text{Ca}^{2+}\text{-Mg}^{2+}\text{-Si}^{4+}$ based garnet phosphors. Journal of Luminescence, 2018, 199, 245-250.	1.5	18
81	Intrinsic and defect-related luminescence of YAlO_3 and LuAlO_3 single crystals and films. Optical Materials, 2018, 86, 376-381.	1.7	18
82	Hydrogen peroxide sensing using Ce^{3+} luminescence of cerium oxide (CeO_{2-x}) nanoparticles. Optical Materials, 2018, 85, 303-307.	1.7	18
83	Luminescence of Sc-related centers in single crystalline films of $\text{Lu}_3\text{Al}_5\text{O}_{12}$ garnet. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 105-108.	0.8	17
84	Intrinsic luminescence of YAlO_3 perovskites. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 963-967.	0.8	17
85	Intrinsic and 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
86	$\text{Lu}_3\text{Al}_5\text{O}_{12}$ -based materials for high 2D-resolution scintillation detectors. Proceedings of SPIE, 2009, . .	0.8	17
87	Luminescent and scintillation properties of $\text{Lu}_3\text{Al}_5\text{O}_{12}\text{:Sc}$ single crystal and single crystalline films. Optical Materials, 2012, 34, 2080-2085.	1.7	17
88	Comparative study of the luminescence of $\text{Y}_3\text{Al}_5\text{O}_{12}$ nanoceramics and single crystals under excitation by synchrotron radiation. Optical Materials, 2013, 35, 2049-2052.	1.7	17
89	Scintillating Screens for Micro-Imaging Based on the Ce-Tb Doped LuAP Single Crystal Films. IEEE Transactions on Nuclear Science, 2014, 61, 433-438.	1.2	17
90	Epitaxial growth of single crystalline film phosphors based on the Ce^{3+} -doped $\text{Ca}_2\text{YMgScSi}_3\text{O}_{12}$ garnet. CrystEngComm, 2017, 19, 3689-3697.	1.3	17

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91	Luminescent spectroscopy of Eu ²⁺ centers in CsBr:Eu single crystals at 10 ⁴ –550K. Journal of Luminescence, 2004, 106, 313-320.	1.5	16
92	Comparative study of the luminescence of Al ₂ O ₃ :Ti and Al ₂ O ₃ crystals under VUV synchrotron radiation excitation. Optical Materials, 2013, 35, 2053-2055.	1.7	16
93	Development of scintillating screens based on the single crystalline films of Ce doped (Gd,Y) ₃ (Al,Ga,Sc) ₅ O ₁₂ multi-component garnets. Journal of Crystal Growth, 2014, 401, 532-536.	0.7	16
94	Epitaxial growth of single crystalline film scintillating screens based on Eu ³⁺ doped RAlO ₃ (R = Y, Lu, Gd, Tb) perovskites. CrystEngComm, 2018, 20, 937-945.	1.3	16
95	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. Journal of Luminescence, 2018, 202, 13-19.	1.5	16
96	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. CrystEngComm, 2018, 20, 3994-4002.	1.3	16
97	Intrinsic luminescence of Lu ₂ SiO ₅ (LSO) and Y ₂ SiO ₅ (YSO) orthosilicates. Journal of Luminescence, 2013, 137, 204-207.	1.5	15
98	Comparative study of the luminescence of Al ₂ O ₃ :C and Al ₂ O ₃ crystals under synchrotron radiation excitation. Journal of Luminescence, 2013, 144, 41-44.	1.5	15
99	Exciton creation in LuAlO ₃ single crystalline film. Physica Status Solidi (B): Basic Research, 2006, 243, R60-R62.	0.7	14
100	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
101	OSL dosimetric properties of cerium doped lutetium orthosilicates. Radiation Measurements, 2014, 71, 139-142.	0.7	14
102	Luminescent and scintillation properties of the Ce ³⁺ doped Y ₃ Al ₅ O ₁₂ :Ce single crystalline films. Journal of Luminescence, 2016, 169, 822-827.	1.5	14
103	A study of Mg ²⁺ ions effect on atoms segregation, defects formation, luminescence and scintillation properties in Ce ³⁺ doped Gd ₃ Al ₂ Ga ₃ O ₁₂ single crystals. Journal of Alloys and Compounds, 2022, 905, 164154.	2.8	14
104	The role of Pb ²⁺ ions in the luminescence of LuAG:Ce single crystalline films. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 797-800.	0.8	13
105	Time-resolved spectroscopy of intrinsic luminescence of Y ₃ Ga ₅ O ₁₂ and (LaLu) ₃ Lu ₂ Ga ₃ O ₁₂ single crystals. Optical Materials, 2009, 31, 1835-1838.	1.7	13
106	LuAG:Pr, LuAG:La, and LuAP:Ce thin film scintillators for visualisation of x-ray images. , 2009, , .		13
107	Time-resolved luminescent spectroscopy of YAG:Ce single crystal and single crystalline films. Radiation Measurements, 2010, 45, 395-397.	0.7	13
108	High pressure spectroscopy study of SCF Tb ₃ Al ₅ O ₁₂ :Mn. Journal of Physics: Conference Series, 2010, 249, 012015.	0.3	13

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109	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
110	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
111	Multi-component Ce doped (Gd,Y,La,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
112	Luminescent properties of Al ₂ O ₃ :Ce single crystalline films under synchrotron radiation excitation. Optical Materials, 2016, 59, 141-144.	1.7	13
113	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. Crystals, 2017, 7, 262.	1.0	13
114	Composite scintillators based on the crystals and single crystalline films of LuAG garnet doped with Ce ³⁺ , Pr ³⁺ and Sc ³⁺ ions. Optical Materials, 2018, 84, 593-599.	1.7	13
115	Persistent photoconductivity in ZnO thin films grown on Si substrate by spin coating method. Optical Materials, 2019, 97, 109343.	1.7	13
116	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. Optical Materials, 2019, 96, 109268.	1.7	13
117	LPE growth and study of the Ce ³⁺ incorporation in LuAlO ₃ :Ce single crystalline film scintillators. CrystEngComm, 2019, 21, 3313-3321.	1.3	13
118	Luminescence of excitons in single-crystal garnets. Optics and Spectroscopy (English Translation of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.2	12
119	Scintillation properties of PbWO ₄ crystals doped with the rare-earth ions. Radiation Measurements, 2004, 38, 397-401.	0.7	12
120	Exciton Luminescence of YAlO ₃ Single Crystals and Single-Crystal Films. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2005, 98, 555.	0.2	12
121	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
122	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
123	Luminescent and scintillation properties of CsI:Tl films grown by the liquid phase epitaxy method. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 2344-2350.	0.8	12
124	Composition engineering of single crystalline films based on the multicomponent garnet compounds. Optical Materials, 2016, 61, 3-10.	1.7	12
125	New Ce ³⁺ doped Ca ₂ YMgScSi ₃ O ₁₂ garnet ceramic phosphor for white LED converters. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700016.	1.2	12
126	Luminescent properties of undoped and Ce ³⁺ doped crystals in Y ₂ O ₃ Lu ₂ O ₃ Al ₂ O ₃ triple oxide system grown by micro-pulling-down method. Optical Materials, 2019, 89, 408-413.	1.7	12

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127	Micro-powder Ca ₃ Sc ₂ Si ₃ O ₁₂ :Ce silicate garnets as efficient light converters for WLEDs. Optical Materials, 2020, 107, 109978.	1.7	12
128	Composition engineering of Tb _{3-x} Gd _x Al _{5-y} Ga _y O ₁₂ :Ce single crystals and their luminescent, scintillation and photoconversion properties. Journal of Alloys and Compounds, 2020, 849, 155808.	2.8	12
129	Intrinsic and Dopant-Related Luminescence of Undoped and Tb Plus Tm Double-Doped Lithium Magnesium Phosphate (LiMgPO ₄ , LMP) Crystals. Materials, 2020, 13, 2032.	1.3	12
130	LPE growth of Tb ₃ Al ₅ O ₁₂ :Ce single crystalline film converters for WLED application. CrystEngComm, 2021, 23, 3212-3219.	1.3	12
131	Composite Detectors Based on Single-Crystalline Films and Single Crystals of Garnet Compounds. Materials, 2022, 15, 1249.	1.3	12
132	Energy transfer between the dipole and aggregate centers in CsBr:Eu crystals. Radiation Measurements, 2007, 42, 672-674.	0.7	11
133	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
134	Novel UV-emitting single crystalline film phosphors grown by LPE method. Radiation Measurements, 2010, 45, 444-448.	0.7	11
135	Luminescence and scintillation properties of Y ₃ Al ₅ O ₁₂ :Ce single crystals and single-crystal films. Physics of the Solid State, 2011, 53, 1620-1625.	0.2	11
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