

Yu Zorenko

List of Publications by Year in descending order

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papers

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126708

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51
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all docs

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docs citations

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times ranked

1862
citing authors

#	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	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. <i>Journal of Alloys and Compounds</i> , 2022, 905, 164154.	2.8	14
3	Micropowder Ca ₂ MgScSi ₃ O ₁₂ :Ce Silicate Garnet as an Efficient Light Converter for White LEDs. <i>Materials</i> , 2022, 15, 3942.	1.3	6
4	New types of composite scintillators based on the single crystalline films and crystals of Gd ₃ (Al,Ga) ₅ O ₁₂ :Ce mixed garnets. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 264, 114909.	1.7	5
5	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
6	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
7	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
8	Crystallization and Investigation of the Structural and Optical Properties of Ce ³⁺ -Doped Y _{3-x} CaxAl _{5-y} Si _y O ₁₂ Single Crystalline Film Phosphors. <i>Crystals</i> , 2021, 11, 788.	1.0	5
9	Bright exciton luminescence from La doped Lu ₃ Al ₅ O ₁₂ single crystals. <i>Journal of Luminescence</i> , 2021, 235, 118013.	1.5	3
10	Mn-Doped XAlO ₃ (X = Y, Tb) Single-Crystalline Films Grown onto YAlO ₃ Substrates: Raman Spectroscopy Study toward Visualization of Mechanical Stress. <i>Journal of Physical Chemistry C</i> , 2021, 125, 16279-16288.	1.5	3
11	Development of novel scintillation and photo-conversion materials based on Gd ₃ (Sc,Al,Ga) ₅ O ₁₂ :Ce single crystals grown by micro-pulling-down method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 273, 115395.	1.7	1
12	New efficient OSL detectors based on the crystals of Ce ³⁺ doped Gd ₃ Al _{5-x} GaxO ₁₂ mixed garnet. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 273, 115448.	1.7	5
13	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
14	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
15	Luminescent, Scintillation, and Photoconversion Properties of Micro-Pulling-Down-Grown Single Crystals of Ce ³⁺ -Doped Gd _{3-x} Lu _x Al _{5-y} Ga _y O ₁₂ Garnets. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900429.	0.7	1
16	Effects of La doping on the crystal growth, phase stability and scintillation properties of Lu ₃ Al ₅ O ₁₂ single crystals. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 261, 114677.	1.7	7
17	MPD growth of single crystals of Ce ³⁺ doped Gd _{3-x} Lu _x Al _{5-y} Ga _y O ₁₂ mixed garnets and their luminescent, scintillation and photoconversion properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 262, 114751.	1.7	2
18	New Efficient Scintillating and Photoconversion Materials Based on the Self-Flux Grown Tb ₃ Al ₅ O ₁₂ :Ce Single Crystal. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000327.	1.2	6

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19	Scintillation and Energy-Storage Properties of Micro-Pulling-Down Grown Crystals of Sc ³⁺ - and La ³⁺ -Doped YAlO ₃ Perovskite. <i>Crystals</i> , 2020, 10, 385.	1.0	7
20	Micro-powder Ca ₃ Sc ₂ Si ₃ O ₁₂ :Ce silicate garnets as efficient light converters for WLEDs. <i>Optical Materials</i> , 2020, 107, 109978.	1.7	12
21	LPE Growth of Composite Thermoluminescent Detectors Based on the Lu _{3-x} Gd _x Al ₅ O ₁₂ :Ce Single Crystalline Films and YAG:Ce Crystals. <i>Crystals</i> , 2020, 10, 189.	1.0	10
22	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. <i>Journal of Alloys and Compounds</i> , 2020, 849, 155808.	2.8	12
23	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
24	In silico Raman spectroscopy of YAlO ₃ single-crystalline film. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 231, 118111.	2.0	7
25	Fabrication and VUV luminescence of Lu ₂ O ₃ :Eu ³⁺ (5 at.%) nanopowders and transparent ceramics. <i>Optical Materials</i> , 2020, 101, 109730.	1.7	3
26	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
27	Intrinsic and Dopant-Related Luminescence of Undoped and Tb Plus Tm Double-Doped Lithium Magnesium Phosphate (LiMgPO ₄ , LMP) Crystals. <i>Materials</i> , 2020, 13, 2032.	1.3	12
28	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
29	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
30	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
31	Luminescent properties of Tb and Eu activated A _x B _{1-x} AlO ₃ (A = Y, Lu, Gd; B = Lu; x = 0, 0.5, 1) mixed oxides crystals prepared by micro-pulling-down method. <i>Radiation Measurements</i> , 2019, 126, 106140.	0.7	8
32	Persistent photoconductivity in ZnO thin films grown on Si substrate by spin coating method. <i>Optical Materials</i> , 2019, 97, 109343.	1.7	13
33	Raman spectroscopy of Ce ³⁺ doped Lu ₃ Al ₅ O ₁₂ single crystalline films grown onto Y ₃ Al ₅ O ₁₂ substrate. <i>Optical Materials: X</i> , 2019, 3, 100029.	0.3	5
34	Ga for Al substitution effects on the garnet phase stability and luminescence properties of Gd ₃ Ga _x Al _{5-x} O ₁₂ :Ce single crystals. <i>Journal of Luminescence</i> , 2019, 216, 116724.	1.5	26
35	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
36	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 (x = 0-1) mixed perovskites. <i>CrystEngComm</i> , 2019, 21, 1433-1441.	1.3	2

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37	Composite thermoluminescent detectors based on the Ce ³⁺ doped LuAG/YAG and YAG/LuAG epitaxial structures. Radiation Measurements, 2019, 128, 106124.	0.7	11
38	Luminescent and Scintillation Properties of CeAlO ₃ Crystals and Phase-Separated CeAlO ₃ /CeAl ₁₁ O ₁₈ Metamaterials. Crystals, 2019, 9, 296.	1.0	7
39	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
40	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. Optical Materials, 2019, 90, 70-75.	1.7	4
41	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
42	Radio-, Thermo- and Photoluminescence Properties of Lu ₂ O ₃ :Eu and Lu ₂ O ₃ :Tb Nanopowder and Film Scintillators. Crystals, 2019, 9, 148.	1.0	5
43	Luminescent properties of Ce ³⁺ doped LiLu ₄ O ₁₂ tetraphosphate under synchrotron radiation excitation. Journal of Luminescence, 2019, 210, 47-51.	1.5	0
44	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. Crystal Growth and Design, 2018, 18, 1834-1842.	1.4	26
45	Luminescent and scintillation properties of Ce ³⁺ doped Ca ₂ RMgScSi ₃ O ₁₂ (R = Y, Lu) single crystalline films. Journal of Luminescence, 2018, 195, 362-370.	1.5	11
46	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
47	Luminescent properties of (La,Lu,Gd) ₃ (Al,Sc,Ga) ₅ O ₁₂ :Ce mixed garnets under synchrotron radiation excitation. Journal of Luminescence, 2018, 199, 483-487.	1.5	9
48	Luminescence of Ce ³⁺ multicenters in Ca ²⁺ -Mg ²⁺ -Si ⁴⁺ based garnet phosphors. Journal of Luminescence, 2018, 199, 245-250.	1.5	18
49	Comparative study of the luminescent properties of oxide compounds under synchrotron radiation excitation: Lu ₂ O ₃ :Eu nanopowders, ceramics and films. Journal of Luminescence, 2018, 199, 461-464.	1.5	10
50	Intrinsic and defect-related luminescence of YAlO ₃ and LuAlO ₃ single crystals and films. Optical Materials, 2018, 86, 376-381.	1.7	18
51	Hydrogen peroxide sensing using Ce ³⁺ luminescence of cerium oxide (CeO _{2-x}) nanoparticles. Optical Materials, 2018, 85, 303-307.	1.7	18
52	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
53	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
54	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

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55	Novel All-Solid-State Composite Scintillators Based on the Epitaxial Structures of LuAG Garnet Doped With Pr, Sc, and Ce Ions. IEEE Transactions on Nuclear Science, 2018, 65, 2114-2119.	1.2	10
56	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. Crystals, 2018, 8, 120.	1.0	5
57	Comparison of the Luminescent Properties of Y ₃ Al ₅ O ₁₂ :Pr Crystals and Films. Acta Physica Polonica A, 2018, 133, 948-953.	0.2	4
58	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. Journal of Crystal Growth, 2017, 457, 220-226.	0.7	18
59	Luminescence and energy transfer processes in Ce ³⁺ activated (Gd,Tb) ₃ Al ₅ O ₁₂ single crystalline films. Journal of Luminescence, 2017, 188, 60-66.	1.5	26
60	Luminescent properties of Tm _{3-x} Lu _x Al ₅ O ₁₂ :Ce single crystalline films. Optical Materials, 2017, 69, 444-448.	1.7	2
61	Epitaxial growth of single crystalline film phosphors based on the Ce ³⁺ -doped Ca ₂ YMgScSi ₃ O ₁₂ garnet. CrystEngComm, 2017, 19, 3689-3697.	1.3	17
62	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
63	Comparison of the luminescent properties of LuAG:Pr nanopowders, crystals and films using synchrotron radiation. Optical Materials, 2017, 66, 271-276.	1.7	7
64	EPR study of Ce ³⁺ luminescent centers in the Y ₂ SiO ₅ single crystalline films. Optical Materials, 2017, 72, 833-837.	1.7	9
65	Epitaxial growth of single crystalline film scintillators based on the Pr ³⁺ doped solid solution of Lu ₃ Al _{5-x} Ga _x O ₁₂ garnet. CrystEngComm, 2017, 19, 7031-7040.	1.3	2
66	Development of YAG:Ce,Mg and YAGG:Ce Scintillation Fibers. Springer Proceedings in Physics, 2017, , 114-128.	0.1	5
67	Electronic structure of Ce ³⁺ in yttrium and lutetium orthoaluminate crystals and single crystal layers. Journal of Alloys and Compounds, 2017, 723, 157-163.	2.8	5
68	Synthesis and luminescent properties of prospective Ce ³⁺ doped silicate garnet phosphors for white LED converters. Journal of Luminescence, 2017, 192, 328-336.	1.5	28
69	Scintillating screens based on the LPE grown Tb ₃ Al ₅ O ₁₂ :Ce single crystalline films. Optical Materials, 2017, 65, 73-81.	1.7	27
70	STED properties of Ce ³⁺ , Tb ³⁺ , and Eu ³⁺ doped inorganic scintillators. Optics Express, 2017, 25, 1251.	1.7	11
71	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
72	Chapter 6 Luminescence of Pb- and Bi-Related Centers in Aluminum Garnet, Perovskite, and Orthosilicate Single-Crystalline Films. , 2017, , 227-302.		4

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73	Luminescent properties of composite scintillators based on PPO and o-POPOP doped SiO ₂ xerogel matrices. <i>Journal of Luminescence</i> , 2016, 179, 178-182.	1.5	9
74	Composition engineering of single crystalline films based on the multicomponent garnet compounds. <i>Optical Materials</i> , 2016, 61, 3-10.	1.7	12
75	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
76	Aluminum and Gallium Substitution in Yttrium and Lutetium Aluminum Gallium Garnets: Investigation by Single-Crystal NMR and TSL Methods. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24400-24408.	1.5	51
77	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
78	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
79	Epitaxial Growth of LuAG:Ce and LuAG:Ce,Pr Films and Their Scintillation Properties. <i>IEEE Transactions on Nuclear Science</i> , 2016, 63, 1726-1732.	1.2	18
80	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
81	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
82	Enhancement of up-conversion luminescence in Er,Ce doped Y _{3-x} Y _x AG single crystalline films. <i>Journal of Luminescence</i> , 2016, 169, 816-821.	1.5	9
83	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
84	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
85	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
86	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
87	Luminescent and scintillation properties of the Ce ³⁺ doped Y _{3-x} Lu _x Al ₅ O ₁₂ :Ce single crystalline films. <i>Journal of Luminescence</i> , 2016, 169, 822-827.	1.5	14
88	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
89	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
90	Growth and luminescent properties of scintillators based on the single crystalline films of Lu _{3-x} Gd _x Al ₅ O ₁₂ :Ce garnet. <i>Materials Research Bulletin</i> , 2015, 64, 355-363.	2.7	30

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91	Growth and characterization of large CeAlO ₃ perovskite crystals. Journal of Crystal Growth, 2015, 430, 116-121.	0.7	25
92	Luminescent and scintillation properties of CaWO ₄ and CaWO ₄ :Bi single crystalline films. , 2014, , .		1
93	Growth, luminescent properties and energy transfer processes in (Lu,Tb) ₃ Al ₅ O ₁₂ :Ce single crystalline films. , 2014, , .		0
94	Growth and luminescent properties of (Tb,Gd) ₃ Al ₅ O ₁₂ :Ce single crystalline films. , 2014, , .		1
95	Ce ³⁺ multicolors in selected garnets, perovskites, and glasses. , 2014, , .		0
96	Scintillating screens based on the single crystalline films of orthosilicates and multicomponent garnets. , 2014, , .		0
97	Thermoluminescence properties of LSO:Ce and YSO:Ce films grown from PbO and Bi ₂ O ₃ : fluxes. , 2014, , .		0
98	Formation of luminescent centers in CeO ₂ nanocrystals. Journal of Luminescence, 2014, 145, 61-64.	1.5	49
99	Luminescent and scintillation properties of YAG:Tm and YAG:Ce,Tm single crystalline films. Optical Materials, 2014, 36, 1685-1687.	1.7	4
100	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
101	Novel Scintillating Screens Based on the Single Crystalline Films of Ce Doped Multi-Component $(\text{m}) \text{Tj ETQq1 1 0.784314 rgBT / Overle}$ Science, 2014, 61, 439-442.	1.2	3
102	Luminescent properties of the Sc ³⁺ doped single crystalline films of (Y,Lu,La) ₃ (Al,Ga) ₅ O ₁₂ multi-component garnets. Optical Materials, 2014, 36, 1760-1764.	1.7	10
103	Luminescent properties of Mn-doped Y ₃ Al ₅ O ₁₂ single crystalline films. Optical Materials, 2014, 36, 1680-1684.	1.7	6
104	Luminescent properties of Y ₃ Al _{5-x} Ga _x O ₁₂ :Ce crystals. Journal of Luminescence, 2014, 156, 102-107.	1.5	25
105	Thermoluminescent Properties of Undoped and Ce-Doped Lutetium Orthosilicate and Yttrium Orthosilicate Single Crystals and Single Crystalline Films Scintillators. IEEE Transactions on Nuclear Science, 2014, 61, 276-281.	1.2	6
106	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
107	Rare-earth antisites in lutetium aluminum garnets: Influence on lattice parameter and Ce ³⁺ multicolor structure. Optical Materials, 2014, 36, 1515-1519.	1.7	27
108	Luminescent properties and energy transfer processes in YAG:Er single crystalline films. Journal of Luminescence, 2014, 154, 198-203.	1.5	10

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109	Growth and luminescent properties of Ce and Ce ²⁺ Tb doped (Y,Lu,Gd) ₂ SiO ₅ :Ce single crystalline films. Journal of Crystal Growth, 2014, 401, 577-583.	0.7	18
110	Comparative analysis of the scintillation and thermoluminescent properties of Ce-doped LSO and YSO crystals and films. Optical Materials, 2014, 36, 1715-1719.	1.7	9
111	Luminescent and scintillation properties of Bi ³⁺ doped Y ₂ SiO ₅ and Lu ₂ SiO ₅ single crystalline films. Journal of Luminescence, 2014, 154, 525-530.	1.5	18
112	OSL dosimetric properties of cerium doped lutetium orthosilicates. Radiation Measurements, 2014, 71, 139-142.	0.7	14
113	Luminescent properties and energy transfer processes in Ce ²⁺ Tb doped single crystalline film screens of Lu-based silicate, perovskite and garnet compounds. Radiation Measurements, 2013, 56, 415-419.	0.7	9
114	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
115	Binding energies of Eu ²⁺ and Eu ³⁺ ions in β -Ca ₂ SiO ₄ doped with europium. Optical Materials, 2013, 35, 2107-2114.	1.7	56
116	Electronic structure of Ce ³⁺ multicenters in yttrium aluminum garnets. Applied Physics Letters, 2013, 102, .	1.5	40
117	Luminescence properties and energy transfer processes in YAG:Yb,Er single crystalline films. Radiation Measurements, 2013, 56, 134-138.	0.7	8
118	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
119	Comparative study of the luminescence of Y ₃ Al ₅ O ₁₂ nanoceramics and single crystals under excitation by synchrotron radiation. Optical Materials, 2013, 35, 2049-2052.	1.7	17
120	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
121	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
122	Growth and luminescent properties of (Lu ²⁺ Y)AlO ₃ :Ce single crystalline films. Radiation Measurements, 2013, 56, 159-162.	0.7	3
123	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
124	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
125	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
126	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

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127	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
128	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
129	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
130	Time evolution of luminescence of Sr ₂ SiO ₄ :Eu ²⁺ . Journal of Physics Condensed Matter, 2013, 25, 425501.	0.7	2
131	LPE growth and luminescent properties of Ce doped A ₂ SiO ₅ :Ce (A = Lu, Gd, Y) single crystalline films. , 2012, , .		0
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