Yu Zorenko

List of Publications by Year
in descending order

247 papers	4,511 citations	126907 33 h-index	182427 51 g-index
252 all docs	252 docs citations	252 times ranked	1862 citing authors

#	Article	IF	Citations
1	Composite Detectors Based on Single-Crystalline Films and Single Crystals of Garnet Compounds. Materials, 2022, 15, 1249.	2.9	12
2	A study of Mg2+ ions effect on atoms segregation, defects formation, luminescence and scintillation properties in Ce3+ doped Gd3Al2Ga3O12 single crystals. Journal of Alloys and Compounds, 2022, 905, 164154.	5.5	14
3	Micropowder Ca2YMgScSi3O12:Ce Silicate Garnet as an Efficient Light Converter for White LEDs. Materials, 2022, 15, 3942.	2.9	6
4	New types of composite scintillators based on the single crystalline films and crystals of Gd3(Al,Ga)5O12:Ce mixed garnets. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 264, 114909.	3.5	5
5	LPE growth of Tb₃Al₅O₁₂:Ce single crystalline film converters for WLED application. CrystEngComm, 2021, 23, 3212-3219.	2.6	12
6	Composite Color Converters Based on Tb₃Al₅O₁₂:Ce Singleâ€Crystalline Films and Y₃Al₅O₁₂:Ce Crystal Substrates. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100173.	2.4	8
7	Development of Composite Scintillators Based on the LuAG: Pr Single Crystalline Films and LuAG:Sc Single Crystals. Crystals, 2021, 11, 846.	2.2	4
8	Crystallization and Investigation of the Structural and Optical Properties of Ce3+-Doped Y3â^'xCaxAl5â^'ySiyO12 Single Crystalline Film Phosphors. Crystals, 2021, 11, 788.	2.2	5
9	Bright exciton luminescence from La doped Lu3Al5O12 single crystals. Journal of Luminescence, 2021, 235, 118013.	3.1	3
10	Mn-Doped XAlO3 (X = Y, Tb) Single-Crystalline Films Grown onto YAlO3 Substrates: Raman Spectroscopy Study toward Visualization of Mechanical Stress. Journal of Physical Chemistry C, 2021, 125, 16279-16288.	3.1	3
11	Development of novel scintillation and photo-conversion materials based on Gd3(Sc,Al,Ga)5O12:Ce single crystals grown by micro-pulling-down method. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 273, 115395.	3.5	1
12	New efficient OSL detectors based on the crystals of Ce3+ doped Gd3Al5â^'xGaxO12 mixed garnet. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 273, 115448.	3.5	5
13	Influence of high pressure on Eu3+ luminescence in epitaxial RAlO3 (R = Gd, Tb, Lu, Gd0,6Lu0,4, or Y) single crystalline films. Journal of Luminescence, 2020, 220, 116991.	3.1	2
14	Study of the luminescence of Eu2+ and Eu3+ states in Ca3Ga2Ge3O12:Eu garnet using synchrotron radiation excitation. Optical Materials, 2020, 99, 109498.	3.6	4
15	Luminescent, Scintillation, and Photoconversion Properties of Microâ€Pullingâ€Downâ€Grown Single Crystals of Ce 3+ â€Doped Gd 3â^' x Lu x Al 5â^' y Ga y O 12 Garnets. Physica Status Solidi (B): Basic Research, 2020, 257, 1900429.	1.5	1
16	Effects of La doping on the crystal growth, phase stability and scintillation properties of Lu3Al5O12 single crystals. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 261, 114677.	3.5	7
17	MPD growth of single crystals of Ce3+ doped Gd3â^'xLuxAl5â^'yGayO12 mixed garnets and their luminescent, scintillation and photoconversion properties. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 262, 114751.	3.5	2
18	New Efficient Scintillating and Photoconversion Materials Based on the Selfâ€Flux Grown Tb 3 Al 5 O 12 :Ce Single Crystal. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000327.	2.4	6

#	Article	IF	Citations
19	Scintillation and Energy-Storage Properties of Micro-Pulling-Down Grown Crystals of Sc3+- and La3+-Doped YAlO3 Perovskite. Crystals, 2020, 10, 385.	2.2	7
20	Micro-powder Ca3Sc2Si3O12:Ce silicate garnets as efficient light converters for WLEDs. Optical Materials, 2020, 107, 109978.	3.6	12
21	LPE Growth of Composite Thermoluminescent Detectors Based on the Lu3â^'xGdxAl5O12:Ce Single Crystalline Films and YAG:Ce Crystals. Crystals, 2020, 10, 189.	2.2	10
22	Composition engineering of Tb3-xGdxAl5-yGayO12:Ce single crystals and their luminescent, scintillation and photoconversion properties. Journal of Alloys and Compounds, 2020, 849, 155808.	5.5	12
23	Investigations of the influence of Am-241 photons on the measured alpha particle response of luminescent materials. Radiation Measurements, 2020, 134, 106331.	1.4	2
24	In silico Raman spectroscopy of YAlO3 single-crystalline film. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 231, 118111.	3.9	7
25	Fabrication and VUV luminescence of Lu2O3:Eu3+ (5Âat.%) nanopowders and transparent ceramics. Optical Materials, 2020, 101, 109730.	3.6	3
26	Luminescent Properties of Nanopowder and Singleâ€Crystalline Films of TbAG:Ce Garnet. Physica Status Solidi (B): Basic Research, 2020, 257, 1900495.	1.5	4
27	Intrinsic and Dopant-Related Luminescence of Undoped and Tb Plus Tm Double-Doped Lithium Magnesium Phosphate (LiMgPO4, LMP) Crystals. Materials, 2020, 13, 2032.	2.9	12
28	Liquid phase epitaxy growth of high-performance composite scintillators based on single crystalline films and crystals of LuAG. CrystEngComm, 2020, 22, 3713-3724.	2.6	11
29	Composite Scintillators Based on the Films and Crystals of (Lu,Gd,La)2Si2O7 Pyrosilicates. IEEE Transactions on Nuclear Science, 2020, 67, 994-998.	2.0	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. Optical Materials, 2020, 105, 109751.	3.6	8
31	Luminescent properties of Tb and Eu activated AxB1-xAlO3 (A = Y, Lu, Gd; B = Lu; x = 0, 0.5, 1) mixed oxides crystals prepared by micro-pulling-down method. Radiation Measurements, 2019, 126, 106140.	1.4	8
32	Persistent photoconductivity in ZnO thin films grown on Si substrate by spin coating method. Optical Materials, 2019, 97, 109343.	3.6	13
33	Raman spectroscopy of Ce3+ doped Lu3Al5O12 single crystalline films grown onto Y3Al5O12 substrate. Optical Materials: X, 2019, 3, 100029.	0.8	5
34	Ga for Al substitution effects on the garnet phase stability and luminescence properties of Gd3GaxAl5-xO12:Ce single crystals. Journal of Luminescence, 2019, 216, 116724.	3.1	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. Optical Materials, 2019, 96, 109268.	3.6	13
36	Epitaxial growth of single-crystalline-film scintillators based on Tb³⁺-doped and Tb³⁺â€“Ce³⁺-codoped Gd_{1â€“x}Lu_xAlO₃ (x = 0â€“1) mixed perovskites. CrystEngComm, 2019, 21, 1433-1441.	2.6	2

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37	Composite thermoluminescent detectors based on the Ce3+ doped LuAG/YAG and YAG/LuAG epitaxial structures. Radiation Measurements, 2019, 128, 106124.	1.4	11
38	Luminescent and Scintillation Properties of CeAlO3 Crystals and Phase-Separated CeAlO3/CeAl11O18 Metamaterials. Crystals, 2019, 9, 296.	2.2	7
39	LPE growth and study of the Ce³⁺ incorporation in LuAlO₃:Ce single crystalline film scintillators. CrystEngComm, 2019, 21, 3313-3321.	2.6	13
40	Eu3+ multicenter formation and luminescent properties of Ca3Sc2Si3O12:Eu and Ca2YScMgSiO12:Eu single crystalline films. Optical Materials, 2019, 90, 70-75.	3.6	4
41	Luminescent properties of undoped and Ce3+ doped crystals in Y2O3 Lu2O3 Al2O3 triple oxide system grown by micro-pulling-down method. Optical Materials, 2019, 89, 408-413.	3.6	12
42	Radio-, Thermo- and Photoluminescence Properties of Lu2O3:Eu and Lu2O3:Tb Nanopowder and Film Scintillators. Crystals, 2019, 9, 148.	2.2	5
43	Luminescent properties of Ce3+ doped LiLuP4O12 tetraphosphate under synchrotron radiation excitation. Journal of Luminescence, 2019, 210, 47-51.	3.1	0
44	Development of Composite Scintillators Based on Single Crystalline Films and Crystals of Ce³⁺-Doped (Lu,Gd)₃(Al,Ga)₅O₁₂ Mixed Garnet Compounds. Crystal Growth and Design, 2018, 18, 1834-1842.	3.0	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.	3.1	11
46	Epitaxial growth of single crystalline film scintillating screens based on Eu³⁺ doped RAlO₃ (R = Y, Lu, Gd, Tb) perovskites. CrystEngComm, 2018, 20, 937-945.	2.6	16
47	Luminescent properties of (La,Lu,Gd)3(Al,Sc,Ga)5O12:Ce mixed garnets under synchrotron radiation excitation. Journal of Luminescence, 2018, 199, 483-487.	3.1	9
48	Luminescence of Ce3+ multicenters in Ca2+-Mg2+-Si4+ based garnet phosphors. Journal of Luminescence, 2018, 199, 245-250.	3.1	18
49	Comparative study of the luminescent properties of oxide compounds under synchrotron radiation excitation: Lu2O3:Eu nanopowders, ceramics and films. Journal of Luminescence, 2018, 199, 461-464.	3.1	10
50	Intrinsic and defect-related luminescence of YAlO3 and LuAlO3 single crystals and films. Optical Materials, 2018, 86, 376-381.	3.6	18
51	Hydrogen peroxide sensing using Ce3+ luminescence of cerium oxide (CeO2-x) nanoparticles. Optical Materials, 2018, 85, 303-307.	3.6	18
52	Composite scintillators based on the crystals and single crystalline films of LuAG garnet doped with Ce3+, Pr3+ and Sc3+ ions. Optical Materials, 2018, 84, 593-599.	3.6	13
53	New silicate based thermographic phosphors Ca3Sc2Si3O12:Dy, Ca3Sc2Si3O12:Dy,Ce and their photoluminescence properties. Journal of Luminescence, 2018, 202, 13-19.	3.1	16
54	Epitaxial growth of composite scintillators based on Tb3Al5O12â€‰:â€‰Ce single crystalline films and Gd3Al2.5Ga2.5O12â€‰:â€‰Ce crystal substrates. CrystEngComm, 2018, 20, 3994-4002.	2.6	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.	2.0	10
56	Thermoluminescent Properties of Cerium-Doped Lu2SO5 and Y2SiO5 Single Crystalline Films Scintillators Grown from PbO-B2O3 and Bi2O3 Fluxes. Crystals, 2018, 8, 120.	2.2	5
57	Comparison of the Luminescent Properties of Y₃Al₅O₁₂:Pr Crystals and Films. Acta Physica Polonica A, 2018, 133, 948-953.	0.5	4
58	Growth and luminescent properties of single crystalline films of Ce3+ doped Pr1â^'xLuxAlO3 and Gd1â^'xLuxAlO3 perovskites. Journal of Crystal Growth, 2017, 457, 220-226.	1.5	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.	3.1	26
60	Luminescent properties of Tm 3â^'x Lu x Al 5 O 12 :Ce single crystalline films. Optical Materials, 2017, 69, 444-448.	3.6	2
61	Epitaxial growth of single crystalline film phosphors based on the Ce³⁺-doped Ca₂YMgScSi₃O₁₂garnet. CrystEngComm, 2017, 19, 3689-3697.	2.6	17
62	New Ce³⁺ doped Ca₂YMgScSi₃O₁₂ garnet ceramic phosphor for white LED converters. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700016.	2.4	12
63	Comparison of the luminescent properties of LuAG:Pr nanopowders, crystals and films using synchrotron radiation. Optical Materials, 2017, 66, 271-276.	3.6	7
64	EPR study of Ce3+ luminescent centers in the Y2SiO5 single crystalline films. Optical Materials, 2017, 72, 833-837.	3.6	9
65	Epitaxial growth of single crystalline film scintillators based on the Pr³⁺ doped solid solution of Lu₃Al_{5â^'x}Ga_xO₁₂ garnet. CrystEngComm, 2017, 19, 7031-7040.	2.6	2
66	Development of YAG:Ce,Mg and YAGG:Ce Scintillation Fibers. Springer Proceedings in Physics, 2017, , 114-128.	0.2	5
67	Electronic structure of Ce3+ in yttrium and lutetium orthoaluminate crystals and single crystal layers. Journal of Alloys and Compounds, 2017, 723, 157-163.	5.5	5
68	Synthesis and luminescent properties of prospective Ce3+ doped silicate garnet phosphors for white LED converters. Journal of Luminescence, 2017, 192, 328-336.	3.1	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.	3.6	27
70	STED properties of Ce^3+, Tb^3+, and Eu^3+ doped inorganic scintillators. Optics Express, 2017, 25, 1251.	3.4	11
71	LPE Growth of Single Crystalline Film Scintillators Based on Ce3+ Doped Tb3â^'xGdxAl5â^'yGayO12 Mixed Garnets. Crystals, 2017, 7, 262.	2.2	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. Journal of Luminescence, 2016, 179, 178-182.	3.1	9
74	Composition engineering of single crystalline films based on the multicomponent garnet compounds. Optical Materials, 2016, 61, 3-10.	3.6	12
75	Luminescent and scintillation properties of the Pr3+ doped single crystalline films of Lu3Al5â^'xGaxO12 garnet. Radiation Measurements, 2016, 90, 183-187.	1.4	3
76	Aluminum and Gallium Substitution in Yttrium and Lutetium Aluminumâ€“Gallium Garnets: Investigation by Single-Crystal NMR and TSL Methods. Journal of Physical Chemistry C, 2016, 120, 24400-24408.	3.1	51
77	Comparison of the luminescent properties of Lu 3 Al 5 O 12 :Pr crystals and films under synchrotron radiation excitation. Journal of Luminescence, 2016, 179, 496-500.	3.1	2
78	Luminescent and scintillation properties of Sc 3+ and La 3+ doped Y 2 SiO 5 powders and single crystalline films. Journal of Luminescence, 2016, 179, 445-450.	3.1	6
79	Epitaxial Growth of LuAG:Ce and LuAG:Ce,Pr Films and Their Scintillation Properties. IEEE Transactions on Nuclear Science, 2016, 63, 1726-1732.	2.0	18
80	Luminescent and scintillation properties of YAG:Dy and YAG:Dy,Ce single crystalline films. Radiation Measurements, 2016, 90, 308-313.	1.4	5
81	Growth and luminescent properties of scintillators based on the single crystalline films of (Lu,Gd)3(Al,Ga)5O12:Ce garnets. Journal of Luminescence, 2016, 169, 828-837.	3.1	25
82	Enhancement of up-conversion luminescence in Er,Ce doped Y3â^'Yb AG single crystalline films. Journal of Luminescence, 2016, 169, 816-821.	3.1	9
83	Luminescent properties of Al2O3:Ce single crystalline films under synchrotron radiation excitation. Optical Materials, 2016, 59, 141-144.	3.6	13
84	Luminescence and energy transfer processes in (Lu,Tb)3Al5O12 single crystalline films doped with Ce3+. Journal of Luminescence, 2016, 173, 141-148.	3.1	18
85	Scintillating Screens Based on the Single Crystalline Films of Multicomponent Garnets: New Achievements and Possibilities. IEEE Transactions on Nuclear Science, 2016, 63, 497-502.	2.0	10
86	Luminescent properties of LuAG:Yb and YAG:Yb single crystalline films grown by Liquid Phase Epitaxy method. Radiation Measurements, 2016, 90, 132-135.	1.4	0
87	Luminescent and scintillation properties of the Ce3+ doped Y3â^'Lu Al5O12:Ce single crystalline films. Journal of Luminescence, 2016, 169, 822-827.	3.1	14
88	Epitaxial growth of gadolinium and lutetium-based aluminum perovskite thin films for X-ray micro-imaging applications. CrystEngComm, 2016, 18, 608-615.	2.6	31
89	High-perfomance Ce-doped multicomponent garnet single crystalline film scintillators. Physica Status Solidi - Rapid Research Letters, 2015, 9, 489-493.	2.4	41
90	Growth and luminescent properties of scintillators based on the single crystalline films of Lu3â^'xGdxAl5O12:Ce garnet. Materials Research Bulletin, 2015, 64, 355-363.	5.2	30

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91	Growth and characterization of large CeAlO3 perovskite crystals. Journal of Crystal Growth, 2015, 430, 116-121.	1.5	25
92	Luminescent and scintillation properties of CaWO<inf>4</inf> and CaWO<inf>4</inf>:Bi single crystalline films. , 2014, , .		1
93	Growth, luminescent properties and energy transfer processes in (Lu,Tb)<inf>3</inf>Al<inf>5</inf>O<inf>12</inf>:Ce single crystalline films. , 2014, , .		0
94	Growth and luminescent properties of (Tb,Gd)<inf>3</inf>Al<inf>5</inf>O<inf>12</inf>:Ce single crystalline films. , 2014, , .		1
95	Ce³⁺ multicenters 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<inf>2</inf>O<inf>3</inf> fluxes. , 2014, , .		0
98	Formation of luminescent centers in CeO2 nanocrystals. Journal of Luminescence, 2014, 145, 61-64.	3.1	49
99	Luminescent and scintillation properties of YAG:Tm and YAG:Ce,Tm single crystalline films. Optical Materials, 2014, 36, 1685-1687.	3.6	4
100	Development of scintillating screens based on the single crystalline films of Ce doped (Gd,Y)3(Al,Ga,Sc)5O12 multi-component garnets. Journal of Crystal Growth, 2014, 401, 532-536.	1.5	16
101	Novel Scintillating Screens Based on the Single Crystalline Films of Ce Doped Multi-Component $({m) Tj ETQq1 1 0.784314 rgBT /Ove Science, 2014, 61, 439-442.	2.0	3
102	Luminescent properties of the Sc3+ doped single crystalline films of (Y,Lu,La)3(Al,Ga)5O12 multi-component garnets. Optical Materials, 2014, 36, 1760-1764.	3.6	10
103	Luminescent properties of Mn-doped Y3Al5O12 single crystalline films. Optical Materials, 2014, 36, 1680-1684.	3.6	6
104	Luminescent properties of Y 3 Al 5â^'x Ga x O 12 :Ce crystals. Journal of Luminescence, 2014, 156, 102-107.	3.1	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.	2.0	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.	2.0	17
107	Rare-earth antisites in lutetium aluminum garnets: Influence on lattice parameter and Ce3+ multicenter structure. Optical Materials, 2014, 36, 1515-1519.	3.6	27
108	Luminescent properties and energy transfer processes in YAG:Er single crystalline films. Journal of Luminescence, 2014, 154, 198-203.	3.1	10

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109	Growth and luminescent properties of Ce and Ceâ€“Tb doped (Y,Lu,Gd)2SiO5:Ce single crystalline films. Journal of Crystal Growth, 2014, 401, 577-583.	1.5	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.	3.6	9
111	Luminescent and scintillation properties of Bi3+ doped Y2SiO5 and Lu2SiO5 single crystalline films. Journal of Luminescence, 2014, 154, 525-530.	3.1	18
112	OSL dosimetric properties of cerium doped lutetium orthosilicates. Radiation Measurements, 2014, 71, 139-142.	1.4	14
113	Luminescent properties and energy transfer processes in Ceâ€“Tb doped single crystalline film screens of Lu-based silicate, perovskite and garnet compounds. Radiation Measurements, 2013, 56, 415-419.	1.4	9
114	Intrinsic luminescence of Lu2SiO5 (LSO) and Y2SiO5 (YSO) orthosilicates. Journal of Luminescence, 2013, 137, 204-207.	3.1	15
115	Binding energies of Eu2+ and Eu3+ ions in Î²-Ca2SiO4 doped with europium. Optical Materials, 2013, 35, 2107-2114.	3.6	56
116	Electronic structure of Ce3+ multicenters in yttrium aluminum garnets. Applied Physics Letters, 2013, 102, .	3.3	40
117	Luminescence properties and energy transfer processes in YAC:Yb,Er single crystalline films. Radiation Measurements, 2013, 56, 134-138.	1.4	8
118	Lu2SiO5:Ce and Y2SiO5:Ce single crystals and single crystalline film scintillators: Comparison of the luminescent and scintillation properties. Radiation Measurements, 2013, 56, 84-89.	1.4	18
119	Comparative study of the luminescence of Y3Al5O12 nanoceramics and single crystals under excitation by synchrotron radiation. Optical Materials, 2013, 35, 2049-2052.	3.6	17
120	Comparative study of the luminescence of Al2O3:C and Al2O3 crystals under synchrotron radiation excitation. Journal of Luminescence, 2013, 144, 41-44.	3.1	15
121	Photoluminescence and excited state structure in Bi3+-doped Y2SiO5 single crystalline films. Radiation Measurements, 2013, 56, 90-93.	1.4	13
122	Growth and luminescent properties of (Luâ€“Y)AlO3:Ce single crystalline films. Radiation Measurements, 2013, 56, 159-162.	1.4	3
123	Luminescence and origin of lead-related centers in single crystalline films of Y2SiO5 and Lu2SiO5. Radiation Measurements, 2013, 56, 124-128.	1.4	5
124	Photoluminescence and excited state structure of Bi3+-related centers in Lu2SiO5:Bi single crystalline films. Journal of Luminescence, 2013, 134, 469-476.	3.1	25
125	Comparative study of the luminescence of Al2O3:Ti and Al2O3 crystals under VUV synchrotron radiation excitation. Optical Materials, 2013, 35, 2053-2055.	3.6	16
126	Comparative study of TL and OSL properties of LSO and LSO:Ce single crystals andÂsingle crystalline films. Radiation Measurements, 2013, 56, 196-199.	1.4	9

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127	Bi3+â€“Ce3+ energy transfer and luminescent properties of LuAG:Bi,Ce and YAG:Bi,Ce single crystalline films. Journal of Luminescence, 2013, 134, 539-543.	3.1	13
128	Bi3+â€“Pr3+ energy transfer processes and luminescent properties of LuAG:Bi,Pr and YAG:Bi,Pr single crystalline films. Journal of Luminescence, 2013, 141, 137-143.	3.1	14
129	Multi-component Ce doped (Gd,Y,La,Lu)3(AlGaSc)5O12 garnets â€“ A new story in the development of scintillating single crystalline film screens. Radiation Measurements, 2013, 56, 150-154.	1.4	13
130	Time evolution of luminescence of Sr2SiO4:Eu2+. Journal of Physics Condensed Matter, 2013, 25, 425501.	1.8	2
131	LPE growth and luminescent properties of Ce doped A<inf>2S</inf>iO<inf>5</inf>:Ce (A = Lu, Gd, Y) single crystalline films. , 2012, , .		0
132	TSL properties of A<inf>2</inf>SiO<inf>5</inf> and A<inf>2</inf>SiO<inf>5</inf>:Ce (A=Y, Lu) single crystals and single crystalline films. , 2012, , .		0
133	Development of single crystalline film scintillators based on the Ce doped multi-component garnet compounds. , 2012, , .		0
134	Optical and electrical properties of ZnO thin films grown by sol-gel method. , 2012, , .		0
135	Scintillators Based on ${hbox{CdWO}}_{4}$ and ${hbox{CdWO}}_{4}!!:!!{hbox{Bi}}$ Single Crystalline Films. IEEE Transactions on Nuclear Science, 2012, 59, 2281-2285.	2.0	18
136	Scintillation and luminescent properties of undoped and Ce3+ doped Y2SiO5 and Lu2SiO5 single crystalline films grown by LPE method. Optical Materials, 2012, 34, 1969-1974.	3.6	41
137	Luminescent properties of YAlO3:Mn single crystalline films. Optical Materials, 2012, 34, 1979-1983.	3.6	8
138	Luminescent and scintillation properties of Lu3Al5O12:Sc single crystal and single crystalline films. Optical Materials, 2012, 34, 2080-2085.	3.6	17
139	Single Crystalline Film Scintillators Based on the Orthosilicate, Perovskite and Garnet Compounds. IEEE Transactions on Nuclear Science, 2012, 59, 2260-2268.	2.0	20
140	Luminescence of lead-related centres in single crystalline films of Lu2SiO5. Journal Physics D: Applied Physics, 2012, 45, 355304.	2.8	8
141	Origin of Bi³⁺â€related luminescence centres in Lu₃Al₅O₁₂:Bi and Y₃Al₅O₁₂: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
142	Peculiarities of luminescent and scintillation properties of YAG:Ce phosphor prepared in different crystalline forms. Optical Materials, 2012, 34, 1314-1319.	3.6	35
143	Time-resolved spectroscopy of exciton states in single crystals and single crystalline films of YAlO₃ and YAlO₃â€‰:â€‰Ce. Journal Physics D: Applied Physics, 2011, 44, 315402.	2.8	25
144	UV emitting single crystalline film scintillators grown by LPE method: current status and perspective. Materials Research Society Symposia Proceedings, 2011, 1341, 1.	0.1	0

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145	Growth and luminescent properties of Lu2SiO5:Ce and (Lu1â^'xGdx)2SiO5:Ce single crystalline films. Journal of Crystal Growth, 2011, 337, 72-80.	1.5	26
146	Development of novel UV emitting single crystalline film scintillators. Journal of Physics: Conference Series, 2011, 289, 012029.	0.4	1
147	Growth and the luminescence properties of a lutetium gadolinium garnet doped with Ce3+ and Pr3+ ions. Physics of the Solid State, 2011, 53, 127-130.	0.6	7
148	Luminescence and scintillation properties of Y3Al5O12:Ce single crystals and single-crystal films. Physics of the Solid State, 2011, 53, 1620-1625.	0.6	11
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