

Jan Pejchal

List of Publications by Year in descending order

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204
papers

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147726

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207
all docs

207
docs citations

207
times ranked

2022
citing authors

#	ARTICLE	IF	CITATIONS
1	Untangling the controversy on Ce ³⁺ luminescence in LaAlO ₃ crystals. Materials Advances, 2022, 3, 3500-3512.	2.6	7
2	Incorporation of the Ce ³⁺ activator ions in LaAlO ₃ crystals: EPR and NMR study. Journal of Solid State Chemistry, 2022, 313, 123295.	1.4	4
3	Undoped and Eu, Na co-doped LiCaAlF ₆ scintillation crystals: Paramagnetic centers, charge trapping and energy transfer properties. Journal of Alloys and Compounds, 2021, 858, 158297.	2.8	1
4	Crystal growth and optical properties of Ce-doped (La,Y) ₂ Si ₂ O ₇ single crystal. Journal of Crystal Growth, 2021, 572, 126252.	0.7	1
5	Novel Method of Search for Transparent Optical Materials with Extremely High Melting Point. Crystal Growth and Design, 2021, 21, 572-578.	1.4	1
6	Composition-Engineered GSAG Garnet: Single-Crystal Host for Fast Scintillators. Crystal Growth and Design, 2021, 21, 7139-7149.	1.4	8
7	Crystal growth and optical properties of a Ce ₂ Si ₂ O ₇ single crystal. Optical Materials, 2020, 109, 110210.	1.7	4
8	Single-crystal growth, structure and luminescence properties of Cs ₂ HfCl ₃ Br ₃ . Optical Materials, 2020, 106, 109942.	1.7	5
9	Growth and Scintillation Properties of a New Red-Emitting Scintillator Rb ₂ Hf ₂ Cl ₆ for the Fiber-Reading Radiation Monitor. IEEE Transactions on Nuclear Science, 2020, 67, 1055-1062.	1.2	7
10	On the luminescence origin in Y ₂ Si ₂ O ₇ :Ce and Lu ₂ Si ₂ O ₇ :Ce single crystals. Optical Materials, 2020, 103, 109832.	1.7	11
11	Temperature dependent absorption and emission spectra of Tm:CaF ₂ . Optical Materials Express, 2020, 10, 2142.	1.6	4
12	Luminescence and scintillation properties of strontium hafnate and strontium zirconate single crystals. Optical Materials, 2019, 98, 109494.	1.7	6
13	Scintillation properties of Y-Admixed Gd ₂ Si ₂ O ₇ scintillator. Radiation Measurements, 2019, 126, 106123.	0.7	1
14	Development of a novel red-emitting cesium hafnium iodide scintillator. Radiation Measurements, 2019, 124, 54-58.	0.7	17
15	LuAG:Pr codoped with Ho ³⁺ : Acceleration of Pr ³⁺ decay by energy transfer. Radiation Measurements, 2019, 124, 122-126.	0.7	5
16	Epitaxial growth, photoluminescence and scintillation properties of Gd ³⁺ co-doped YAlO ₃ :Ce ³⁺ films. Radiation Measurements, 2019, 121, 86-90.	0.7	7
17	Gallium preference for the occupation of tetrahedral sites in Lu ₃ (Al _{5-x} Ga _x)O ₁₂ multicomponent garnet scintillators according to solid-state nuclear magnetic resonance and density functional theory calculations. Journal of Physics and Chemistry of Solids, 2019, 126, 93-104.	1.9	14
18	Luminescence and scintillation properties of rare-earth-doped LaAlO ₃ single crystals. Radiation Measurements, 2019, 121, 26-31.	0.7	20

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37	Single crystal growth of Ce:Gd ₃ (Ga,Al) ₅ O ₁₂ with various Mg concentration and their scintillation properties. Journal of Crystal Growth, 2017, 468, 407-410.	0.7	15
38	Luminescence and scintillation properties of Mg-codoped LuAG:Pr single crystals annealed in air. Journal of Luminescence, 2017, 181, 277-285.	1.5	37
39	Crystal growth and optical properties of Gd admixed Ce-doped Lu ₂ Si ₂ O ₇ single crystals. Journal of Crystal Growth, 2017, 468, 391-394.	0.7	2
40	Crystal growth and optical properties of indium doped LiCaAlF ₆ scintillator single crystals. Optical Materials, 2017, 65, 69-72.	1.7	3
41	Effects of Mg-codoping on luminescence and scintillation properties of Ce doped Lu ₃ (Ga,Al) ₅ O ₁₂ single crystals. Optical Materials, 2017, 65, 60-65.	1.7	10
42	Temperature Dependence of Luminescence Properties for Zr Codoped Ce:(Gd,La) ₂ Si ₂ O ₇ Scintillator. , 2016, , .		1
43	Crystal growth and luminescence properties of Yb ₂ Si ₂ O ₇ infra-red emission scintillator. Optical Materials, 2016, 58, 14-17.	1.7	9
44	Large Size Czochralski Growth and Scintillation Properties of. IEEE Transactions on Nuclear Science, 2016, 63, 443-447.	1.2	49
45	Growth and Luminescence Properties of Single Crystals Prepared by Modified Micro-Pulling-Down Method. IEEE Transactions on Nuclear Science, 2016, 63, 453-458.	1.2	10
46	Luminescence properties of the Mg co-doped Ce:SrHfO ₃ ceramics prepared by the Spark Plasma Sintering Method. Radiation Measurements, 2016, 90, 287-291.	0.7	10
47	Growth and scintillation properties of Li and Ce co-doped Lu ₃ Al ₅ O ₁₂ scintillator. Journal of Crystal Growth, 2016, 452, 85-88.	0.7	13
48	Growth and radioluminescence of metal elements doped LiCaAlF ₆ single crystals for neutron scintillator. Radiation Measurements, 2016, 90, 170-173.	0.7	3
49	Co-doping effects on luminescence and scintillation properties of Ce doped (Lu,Gd) ₃ (Ga,Al) ₅ O ₁₂ scintillator. Optical Materials, 2016, 61, 129-133.	1.7	5
50	Growth and luminescence properties of Eu-doped HfO ₂ /Al ₂ O ₃ eutectic scintillator. Journal of Rare Earths, 2016, 34, 796-801.	2.5	10
51	Single Crystal Growth of Cerium and Praseodymium Doped Scintillator by Micro-Pulling Down Method. IEEE Transactions on Nuclear Science, 2016, 63, 486-489.	1.2	1
52	Crystal growth and scintillation properties of Lu substituted CeBr ₃ single crystals. Journal of Crystal Growth, 2016, 452, 65-68.	0.7	4
53	Luminescence and scintillation properties of Lu ₃ Al ₅ O ₁₂ nanoceramics sintered by SPS method. Optical Materials, 2016, 53, 54-63.	1.7	14
54	The Stable Center: A New Tool to Optimize Ce-Doped Oxide Scintillators. IEEE Transactions on Nuclear Science, 2016, 63, 433-438.	1.2	37

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55	Scintillation properties of Zr co-doped Ce:(Gd, La) ₂ Si ₂ O ₇ grown by the Czochralski process. Radiation Measurements, 2016, 90, 162-165.	0.7	8
56	Luminescent properties of Cr-doped gallium garnet crystals grown by the micro-pulling-down method. Journal of Crystal Growth, 2016, 452, 95-100.	0.7	8
57	Effects of Na and K co-doping on growth and scintillation properties of Eu:SrI ₂ crystals. Radiation Measurements, 2016, 90, 157-161.	0.7	4
58	Growth and scintillation properties of praseodymium doped (Lu,Gd) ₃ (Ga,Al) ₅ O ₁₂ single crystals. Journal of Luminescence, 2016, 169, 811-815.	1.5	3
59	Spectroscopy of C3i and C2 sites of Nd ³⁺ -doped Lu ₂ O ₃ sesquioxide either as ceramics or crystal. Journal of Luminescence, 2016, 169, 606-611.	1.5	11
60	Luminescence mechanism in doubly Gd, Nd-codoped fluoride crystals for VUV scintillators. Journal of Luminescence, 2016, 169, 682-689.	1.5	6
61	Assignment of Yb ³⁺ energy levels in the C 2 and C 3i centers of Lu ₂ O ₃ sesquioxide either as ceramics or as crystal. Journal of Luminescence, 2016, 170, 513-519.	1.5	26
62	Radiation Hardness of Ce:(Gd,La) ₂ Si ₂ O ₇ Scintillator Using 80-MeV Alpha Rays. , 2016, , .		1
63	LiF/CaF ₂ /LiBaF ₃ ternary fluoride eutectic scintillator. Japanese Journal of Applied Physics, 2015, 54, 04DH04.	0.8	21
64	Growth and scintillation properties of Ce doped Gd ₂ Si ₂ O ₇ /SiO ₂ eutectics. Journal of Physics: Conference Series, 2015, 619, 012036.	0.3	5
65	Single Crystal Growth and Co-doping Effects of Lanthanum Substituted Gadolinium Pyrosilicate Scintillator. Journal of Physics: Conference Series, 2015, 619, 012034.	0.3	1
66	Luminescence properties of Pr-doped (La,Gd) ₂ Si ₂ O ₇ grown by the floating zone method. Japanese Journal of Applied Physics, 2015, 54, 052401.	0.8	7
67	Growth of Nd doped (Lu, Gd) ₃ (Ga, Al) ₅ O ₁₂ single crystal by the micro pulling down method and their scintillation properties. Optical Materials, 2015, 41, 32-35.	1.7	4
68	Luminescence and scintillation properties of rare-earth-doped LuF ₃ scintillation crystals. Optical Materials, 2015, 41, 58-62.	1.7	5
69	Luminescence and scintillation properties of Ce doped SrHfO ₃ based eutectics. Optical Materials, 2015, 41, 41-44.	1.7	14
70	Co-doping effects on luminescence and scintillation properties of Ce doped Lu ₃ Al ₅ O ₁₂ scintillator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 782, 9-12.	0.7	21
71	Luminescence study on Eu or Tb doped lanthanum gadolinium pyrosilicate crystal. Optical Materials, 2015, 41, 80-83.	1.7	2
72	Scintillation properties of a La, Lu-admix gadolinium pyrosilicate crystal. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 784, 115-118.	0.7	3

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73	Scintillation properties of Ce:(La,Gd) ₂ Si ₂ O ₇ at high temperatures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 772, 72-75.	0.7	28
74	Nonstoichiometry of Lu ₃ Al ₅ O ₁₂ single crystal and its effects of on luminescence and scintillation properties. Journal of Physics: Conference Series, 2015, 619, 012035.	0.3	1
75	Improvement of scintillation properties on Ce doped Y ₃ Al ₅ O ₁₂ scintillator by divalent cations co-doping. Japanese Journal of Applied Physics, 2015, 54, 04DH17.	0.8	23
76	Luminescent properties of Gd ₃ (Al,Ga) ₅ O ₁₂ crystal co-doped with Ce and M ⁴⁺ . Journal of Physics: Conference Series, 2015, 619, 012039.	0.3	2
77	Directionally solidified Eu doped CaF ₂ /Li ₃ AlF ₆ eutectic scintillator for neutron detection. Optical Materials, 2015, 50, 71-75.	1.7	10
78	Growth and scintillation properties of Eu doped BaCl ₂ /LiF eutectic scintillator. Optical Materials, 2015, 50, 76-80.	1.7	6
79	Alkali earth co-doping effects on luminescence and scintillation properties of Ce doped Gd ₃ Al ₂ Ga ₃ O ₁₂ scintillator. Optical Materials, 2015, 41, 63-66.	1.7	114
80	Radiation imaging with a new scintillator and a CMOS camera. Journal of Instrumentation, 2014, 9, C07015-C07015.	0.5	7
81	Crystal growth and scintillation properties of selected fluoride crystals for VUV scintillators. Journal of Crystal Growth, 2014, 401, 833-838.	0.7	5
82	Crystal growth of CaYAlO ₄ single crystals grown by the micro-pulling down method and their luminescent properties. Journal of Crystal Growth, 2014, 393, 138-141.	0.7	3
83	Growth of Sc doped RE ₃ Al ₅ O ₁₂ (RE = Y, Lu) single crystals by micro-pulling-down method and their scintillation properties. Optical Materials, 2014, 36, 1934-1937.	1.7	3
84	Luminescent properties of Cr-doped (Gd, Y ¹⁺) ₃ Al ₅ O ₁₂ infra-red scintillator crystals. Optical Materials, 2014, 36, 1938-1941.	1.7	5
85	Crystal Growth and Luminescence Properties of Yb-doped Gd ₃ Al ₂ Ga ₃ O ₁₂ Infra-red Scintillator. Optical Materials, 2014, 36, 1484-1487.	1.7	12
86	Defect Engineering in Ce-Doped Aluminum Garnet Single Crystal Scintillators. Crystal Growth and Design, 2014, 14, 4827-4833.	1.4	197
87	Luminescence and Scintillation Properties of Scintillators Based on Orthorhombic and Monoclinic BaLu ₂ F ₈ Single Crystals. IEEE Transactions on Nuclear Science, 2014, 61, 411-418.	1.2	1
88	Crystal growth and optical properties of Ce:(La,Gd) ₂ Ge ₂ O ₇ grown by the floating zone method. Journal of Crystal Growth, 2014, 393, 142-144.	0.7	7
89	Optical properties of a Nd-doped SrBr ₂ crystal grown by the Bridgman technique. Journal of Crystal Growth, 2014, 393, 163-166.	0.7	14
90	Effects of La, Gd, or Lu co-doping on crystal growth and scintillation properties of Eu:SrI ₂ single crystals. Journal of Crystal Growth, 2014, 401, 484-488.	0.7	16

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91	Performance of Ce-doped (La, Gd) ₂ Si ₂ O ₇ scintillator with an avalanche photodiode. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 744, 30-34.	0.7	29
92	Structural Investigations of Lu ₂ O ₃ as Single Crystal and Polycrystalline Transparent Ceramic. Crystal Growth and Design, 2014, 14, 3327-3334.	1.4	73
93	Conference comments by the Editors. IEEE Transactions on Nuclear Science, 2014, 61, 228-228.	1.2	0
94	Optical and scintillation properties of Sc ₂ O ₃ , Y ₂ O ₃ and Lu ₂ O ₃ transparent ceramics synthesized by SPS method. Radiation Measurements, 2013, 55, 136-140.	0.7	44
95	Evaluation of Nd:BaY ₂ F ₈ for VUV scintillator. Radiation Measurements, 2013, 55, 108-111.	0.7	7
96	Optical properties and radiation response of Ce:SrHfO ₃ prepared by the Spark Plasma Sintering Method. Radiation Measurements, 2013, 56, 155-158.	0.7	14
97	Crystal growth and characterization of Ce:Gd ₃ (Ga,Al) ₅ O ₁₂ single crystal using floating zone method in different O ₂ partial pressure. Optical Materials, 2013, 35, 1882-1886.	1.7	29
98	Evaluation of Ce ³⁺ and alkali metal ions Co-doped LiSrAlF ₆ crystalline scintillators. Radiation Measurements, 2013, 56, 111-115.	0.7	2
99	Luminescence and scintillation mechanism in Ce ³⁺ and Pr ³⁺ doped (Lu, Y, Gd) ₃ (Ga, Al) ₅ O ₁₂ single crystal scintillators. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 172-175.	0.8	37
100	Luminescence and scintillation characteristics of Gd ₃ Al ₂ Ga ₃ O ₁₂ :Ce ³⁺ scintillators. Optical Materials, 2013, 36, 568-571.	1.7	24
101	Eu and Rb co-doped LiCaAlF ₆ scintillators for neutron detection. Radiation Measurements, 2013, 55, 132-135.	0.7	5
102	Neutron detection with LiCaAlF ₆ scintillator doped with 3d-transition metal ions. Radiation Measurements, 2013, 55, 128-131.	0.7	11
103	Radiation response of transition metals-doped lithium aluminate crystals. , 2013, , .		2
104	Nd ³⁺ Doped LiCaAlF ₆ Single Crystal for Scintillator Application. Key Engineering Materials, 2012, 508, 224-229.	0.4	9
105	Improvement of Scintillation Properties in Pr Doped $\text{Lu}_{0.3}\text{Al}_{0.5}\text{O}_{12}$ Scintillator by Ga and Y Substitutions. IEEE Transactions on Nuclear Science, 2012, 59, 2130-2134.	1.2	10
106	Investigations of Optical and Scintillation Properties of $\text{Lu}_{0.1}\text{Y}_{0.9}\text{AlO}_3$:Nd ³⁺ 0.1%. IEEE Transactions on Nuclear Science, 2012, 59, 2156-2160.	1.2	3
107	Quantitative Research of the Crystallinity of Pr Doped $\text{Lu}_3\text{Al}_5\text{O}_{12}$. IEEE Transactions on Nuclear Science, 2012, 59, 2135-2140.	1.2	3
108	Study on Phase Diagram of Ca ₃ NbGa ₃ Si ₂ O ₁₄ Piezoelectric Material by Differential Thermal Analysis and X-Ray Diffraction Measurement. Key Engineering Materials, 2012, 508, 247-252.	0.4	0

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109	Development of a new imaging device using a VUV scintillator and a gas photomultiplier with a $\frac{1}{4}$ -PIC and GEM. <i>Journal of Instrumentation</i> , 2012, 7, C03013-C03013.	0.5	3
110	Luminescence and scintillation properties of rare-earth doped $\text{BaLu}_{2}\text{F}_{8}$ single crystals grown by the micro-pulling-down method. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 2243-2246.	0.8	4
111	Crystal growth and evaluation of scintillation properties of Eu and alkali-metal co-doped LiSrAlF_{6} single crystals for thermal neutron detector. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 2235-2238.	0.8	1
112	Growth of Ce doped $(\text{Gd},\text{Y})_{3}\text{Al}_{5}\text{O}_{12}$ single crystals by micro-pulling-down method and their scintillation properties. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 2292-2295.	0.8	4
113	Optical and scintillation properties of $\text{Dy}^{3+}:\text{Y}_{3}\text{Al}_{5}\text{O}_{12}$ and undoped $\text{Y}_{3}\text{Al}_{5}\text{O}_{12}$ crystals grown in reduction atmosphere. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 2255-2258.	0.8	6
114	The effect of different oxidative growth conditions on the scintillation properties of $\text{Ce}:\text{Gd}_{3}\text{Al}_{3}\text{Ga}_{2}\text{O}_{12}$ crystal. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 2251-2254.	0.8	10
115	Crystal Growth and Scintillation Properties of Ce Doped $\text{Gd}_{3}(\text{Ga},\text{Al})_{5}\text{O}_{12}$ Single Crystals. <i>IEEE Transactions on Nuclear Science</i> , 2012, 59, 2112-2115.	1.2	102
116	Growth and Scintillation Properties of Pr Doped $(\text{Gd},\text{Y})_{3}(\text{Ga},\text{Al})_{5}\text{O}_{12}$ Single Crystals. <i>IEEE Transactions on Nuclear Science</i> , 2012, 59, 2116-2119.	1.2	102
117	Crystal Growth of Ce Doped $(\text{Lu},\text{Y})_{3}(\text{Ga},\text{Al})_{5}\text{O}_{12}$ Single Crystal by the Micro-Pulling-Down Method and Their Scintillation Properties. <i>IEEE Transactions on Nuclear Science</i> , 2012, 59, 2116-2119.	1.2	0
118	Luminescence and Scintillation Properties of VUV Scintillation Crystals Based on Lu-Admixed $\text{BaY}_{2}\text{F}_{8}$. <i>IEEE Transactions on Nuclear Science</i> , 2012, 59, 2177-2182.	1.2	4
119	Scintillation properties of Ce doped $\text{Gd}_{2}\text{Lu}(\text{Ga},\text{Al})_{5}\text{O}_{12}$ single crystal grown by the micro-pulling-down method. <i>Journal of Crystal Growth</i> , 2012, 352, 35-38.	0.7	13
120	Modifications of micro-pulling-down method for the growth of selected Li-containing crystals for neutron scintillator and VUV scintillation crystals. <i>Journal of Crystal Growth</i> , 2012, 360, 127-130.	0.7	20
121	Growth and scintillation properties of Pr doped $\text{Gd}_{3}(\text{Ga},\text{Al})_{5}\text{O}_{12}$ single crystals. <i>Journal of Crystal Growth</i> , 2012, 352, 84-87.	0.7	17
122	Fast and High-Energy-Resolution Oxide Scintillator: Ce-Doped $(\text{La},\text{Gd})_{2}\text{Si}_{2}\text{O}_{7}$. <i>Applied Physics Express</i> , 2012, 5, 102601.	1.1	45
123	Investigations of optical and scintillation properties of Tm^{3+} -doped YAlO_{3} . <i>Optical Materials</i> , 2012, 34, 627-631.	1.7	14
124	Crystal growth and scintillation properties of Ce-doped sodium calcium lutetium complex fluoride. <i>Optical Materials</i> , 2012, 34, 729-732.	1.7	7
125	Eu-doped $6\text{LiF}\text{-SrF}_{2}$ eutectic scintillators for neutron detection. <i>Optical Materials</i> , 2012, 34, 868-871.	1.7	40
126	Growth and scintillation properties of pure CsI crystals grown by micro-pulling-down method. <i>Optical Materials</i> , 2012, 34, 1087-1091.	1.7	16

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127	Photoluminescence and scintillation of LGS (La ₃ Ga ₅ SiO ₁₄), LNCA (La ₃ Nb _{0.5} Ga _{5.3} Al _{0.2} O ₁₄) and LTGA (La ₃ Ta _{0.5} Ga _{5.3} Al _{0.2} O ₁₄) single crystals. Optical Materials, 2012, 34, 1513-1516.	1.7	11
128	Growth and Scintillation Properties of Pr-Doped Gd ₃ (Ga,Al) ₅ O ₁₂ Single Crystals. IEEE Transactions on Nuclear Science, 2012, , 1-1.	1.2	0
129	Composition Engineering in Cerium-Doped (Lu,Gd) ₃ (Ga,Al) ₅ O ₁₂ Single-Crystal Scintillators. Crystal Growth and Design, 2011, 11, 4484-4490.	1.4	461
130	Scintillator-oriented combinatorial search in Ce-doped (Y,Gd) ₃ (Ga,Al) ₅ O ₁₂ multicomponent garnet compounds. Journal Physics D: Applied Physics, 2011, 44, 505104.	1.3	195
131	Optical and scintillation properties of Pr-doped Li-glass for neutron detection in inertial confinement fusion process. Journal of Non-Crystalline Solids, 2011, 357, 910-914.	1.5	16
132	Crystal growth and scintillation properties of Ce and Eu doped LiSrAlF ₆ . Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 659, 368-372.	0.7	14
133	Performance test of Si PIN photodiode line scanner for thermal neutron detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 659, 399-402.	0.7	142
134	Fundamental optical constants of Nd-doped Y ₂ O ₃ ceramic and its scintillation characteristics. Optical Materials, 2011, 34, 452-456.	1.7	20
135	Scintillation properties of (Na _{0.425} Lu _{0.575} Nd _x)F _{2.15} and its comparison with (Ca ₁ Nd _x)F _{2+x} and NdF ₃ . Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 136-139.	0.8	2
136	Crystal growth and scintillation properties of Pr-doped oxyorthosilicate for different concentration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 643, 64-68.	0.7	6
137	Crystal growth and scintillation properties of Nd-doped Lu ₃ Al ₅ O ₁₂ single crystals with different Nd concentrations. Optical Materials, 2011, 33, 905-908.	1.7	31
138	Basic study of Europium doped LiCaAlF ₆ scintillator and its capability for thermal neutron imaging application. Optical Materials, 2011, 33, 1243-1247.	1.7	113
139	Crystal growth and scintillation properties of Nd:CaF ₂ . Optical Materials, 2011, 33, 284-287.	1.7	17
140	Crystal growth and luminescence properties of Ti-doped LiAlO ₂ for neutron scintillator. Journal of Crystal Growth, 2011, 318, 828-832.	0.7	34
141	Crystal growth and characterization of rare-earth doped Na₂CaLu₂F₁₀, , 2011, , .		0
142	⁶LiF-Sr_xCa₁F₂ doped with Ce and Eu eutectic scintillator for neutron detection. , 2011, , .		0
143	Growth and scintillation properties of Pr doped (Lu,Y)₃(Ga,Al)₅O₁₂ single crystals. , 2011, , .		0
144	Tunnelling processes-driven radiative recombination in complex oxide scintillators. Journal of Physics: Conference Series, 2010, 249, 012018.	0.3	11

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145	Doubly doped BaY ₂ F ₈ :Er,Nd VUV scintillator. Radiation Measurements, 2010, 45, 265-267.	0.7	15
146	Study on the single crystal growth of concentration gradient Ce:YAP rod and the dopant concentration dependence on the scintillation properties. Radiation Measurements, 2010, 45, 453-456.	0.7	2
147	Study of VUV emission and ³ λ-ray responses of Nd:BaF ₂ scintillaotor. Radiation Measurements, 2010, 45, 422-425.	0.7	20
148	Crystal growth and scintillation properties of Tm:K ₂ NaLuF ₆ . Optical Materials, 2010, 32, 589-594.	1.7	12
149	Crystal growth and VUV luminescence properties of Er ³⁺ - and Tm ³⁺ -doped LiCaAlF ₆ for detectors. Optical Materials, 2010, 32, 845-849.	1.7	30
150	Positron emission mammography using Pr:LuAG scintillator – Fusion of optical material study and systems engineering. Optical Materials, 2010, 32, 1294-1297.	1.7	42
151	Development and Performance Test of Picosecond Pulse X-ray Excited Streak Camera System for Scintillator Characterization. Applied Physics Express, 2010, 3, 056202.	1.1	67
152	Crystal Growth and Characterization of Sr ₃ Y(BO ₃) ₃ . IEEE Transactions on Nuclear Science, 2010, 57, 1264-1267.	1.2	10
153	Crystal Growth and Luminescence Properties of Tm:BaF ₂ Single Crystals. Japanese Journal of Applied Physics, 2010, 49, 022601.	0.8	25
154	Crystal Growth and Scintillation Properties of Tm, Nd Codoped LaF ₃ Single Crystals. IEEE Transactions on Nuclear Science, 2010, 57, 1278-1281.	1.2	7
155	Luminescence mechanism and energy transfer in doubly-doped BaY ₂ F ₈ :Tm,Nd VUV scintillator. IOP Conference Series: Materials Science and Engineering, 2010, 15, 012018.	0.3	6
156	Crystal Growth and Characterization of Rare Earth Doped K ₃ LuF ₆ . IEEE Transactions on Nuclear Science, 2010, 57, 1320-1324.	1.2	6
157	Optical and scintillation characteristics of Y ₂ O ₃ transparent ceramic. Journal of Applied Physics, 2010, 107, .	1.1	72
158	Evaluation of Gamma-Ray Response of Tm:BaF ₂ Single Crystals. IEEE Transactions on Nuclear Science, 2010, 57, 1304-1307.	1.2	8
159	Development of pulsed X-ray tube equipped streak camera system to study scintillation phenomenon. , 2010, , .		0
160	Can Pr-Doped YAP Scintillator Perform Better?. IEEE Transactions on Nuclear Science, 2010, 57, 1168-1174.	1.2	17
161	Luminescence Mechanism in Doubly Doped LaF ₃ :Er,Nd VUV Scintillator. IEEE Transactions on Nuclear Science, 2010, 57, 1196-1199.	1.2	5
162	Temperature dependence of the Pr ³⁺ luminescence in LSO and YSO hosts. Journal of Luminescence, 2009, 129, 1857-1861.	1.5	32

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