Shunsuke Kurosawa

List of Publications by Year
in descending order

128	1,748	361413	345221
papers	citations	20 h-index	36 g-index

128	128	128	948
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Temperature Characteristics of Resonance Frequency for Double-Layered Thickness-Shear Resonator. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 870-877.	3.0	3
2	Growth of Tb-doped BaCl2/NaCl/KCl ternary eutectic and its luminescence properties. Journal of Crystal Growth, 2022, 580, 126467.	1.5	3
3	Crystal growth and luminescence properties of phenanthrene for neutron detection. Journal of Crystal Growth, 2022, 581, 126494.	1.5	0
4	Growth and scintillation properties of Ce doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e270" altimg="si3.svg"><mml:msup><mml:mrow /><mml:mrow><mml:mn>6</mml:mn></mml:mrow></mml:msup></mml:math>LiBr/LaBr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e278" altimg="si13.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:ms	1.6	8
5	Growth of Zn3Ta2O8 crystal scintillator by a novel melt growth technique named shielded arc melting method. Optical Materials: X, 2022, 14, 100149.	0.8	1
6	First Observation of the MeV Gamma-Ray Universe with Bijective Imaging Spectroscopy Using the Electron-tracking Compton Telescope on Board SMILE-2+. Astrophysical Journal, 2022, 930, 6.	4.5	16
7	Growth of thallium-doped CsI/CsCl/KCl eutectics and their scintillation properties. Optical Materials: X, 2022, , 100159.	0.8	0
8	Development of large size crystal growth technology of oxide eutectic scintillator and a proto-type Talbotâ€“Lau imaging system. Japanese Journal of Applied Physics, 2021, 60, SBBK04.	1.5	11
9	Crystal growth and optical properties of Ce-doped (La,Y)2Si2O7 single crystal. Journal of Crystal Growth, 2021, 572, 126252.	1.5	1
10	Scintillation characteristics and temperature quenching of radio- and photoluminescence of Mg2+-codoped (Lu,Gd)3Al2.4Ga2.6O12:Ce garnet crystals. Optical Materials, 2021, 121, 111595.	3.6	4
11	Growth and scintillation properties of Tl-doped CsI/KI/KCl ternary eutectics. Journal of Crystal Growth, 2021, 573, 126287.	1.5	3
12	Cs2HfCl6 doped with Zr: Influence of tetravalent substitution on scintillation properties. Journal of Crystal Growth, 2021, 573, 126307.	1.5	4
13	Growth and scintillation properties of Tl-doped CsI/CsCl/NaCl ternary eutectic scintillators. Japanese Journal of Applied Physics, 2021, 60, SBBK01.	1.5	8
14	Novel Method of Search for Transparent Optical Materials with Extremely High Melting Point. Crystal Growth and Design, 2021, 21, 572-578.	3.0	1
15	Luminescence and scintillation properties of Mo co-doped Y0.8Gd2.2(Al5-xGax)O12: Ce multicomponent garnet crystals. Optical Materials, 2021, 122, 111783.	3.6	2
16	Modified vertical Bridgman method: Time and cost effective tool for preparation of Cs2HfCl6 single crystals. Journal of Crystal Growth, 2020, 533, 125479.	1.5	12
17	Crystal growth and optical properties of a Ce2Si2O7 single crystal. Optical Materials, 2020, 109, 110210.	3.6	4
18	Measurement of the Anisotropic Response of the ZnWO4 Crystal for Developing the Direction-Sensitive Dark Matter Detector. IEEE Transactions on Nuclear Science, 2020, 67, 894-897.	2.0	2

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19	Single-crystal growth, structure and luminescence properties of Cs2HfCl3Br3. Optical Materials, 2020, 106, 109942.	3.6	5
20	Luminescence and Scintillation Properties of Mg²⁺-Codoped Lu_{0.6}Gd_{2.4}Al₂Ga₃O₁₂:Ce Single Crystal. IEEE Transactions on Nuclear Science, 2020, 67, 904-909.	2.0	9
21	Growth and Scintillation Properties of a New Red-Emitting Scintillator Rbâ„‚lâ‚†:Hfâ‚† for the Fiber-Reading Radiation Monitor. IEEE Transactions on Nuclear Science, 2020, 67, 1055-1062.	2.0	7
22	Light Yield and Timing Characteristics of Luâ‚€.â‚ˆGdâ‚‚.â‚‚(Al_{5â€“x}Gax)Oâ‚â‚‚:Ce,Mg Single Crystals. IEEE Transactions on Nuclear Science, 2020, 67, 2295-2299.	2.0	4
23	Growth and Scintillation Properties of Directionally Solidified Ce:LaBr3/AEBr2 (AE = Mg, Ca, Sr, Ba) Eutectic System. Crystals, 2020, 10, 584.	2.2	7
24	Multiple shaped-crystal growth of oxide scintillators using Mo crucible and die by the edge defined film fed growth method. Journal of Crystal Growth, 2020, 535, 125510.	1.5	11
25	Fiber-read radiation monitoring system using an optical fiber and red-emitting scintillator for ultra-high-dose conditions. Applied Physics Express, 2020, 13, 047002.	2.4	14
26	Scintillation Characteristics of MgÂ²âº-Codoped Y_{0.8}Gd_{2.2}(Alâ‚‚_{â€“}â‚“Gaâ‚“)O₁₂:Ce Single Crystals. IEEE Transactions on Nuclear Science, 2020, 67, 910-914.	2.0	11
27	Phase diagram of BaI2-LuI3 system and growth of BaI2/LuI3 eutectic scintillator. Journal of Crystal Growth, 2020, 536, 125573.	1.5	3
28	Bulk Single Crystal Growth of W Co-Doped Ce:Gdâ‚ƒGaâ‚ƒAlâ‚‚Oâ‚â‚‚ by Czochralski Method. IEEE Transactions on Nuclear Science, 2020, 67, 1045-1048.	2.0	5
29	Development of Gamma-Ray Detector Arrays Consisting of Diced Eu-Doped SrI2 Scintillator Arrays and TSV-MPPC Arrays. IEEE Transactions on Nuclear Science, 2020, 67, 999-1002.	2.0	0
30	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
31	Crystal Growth and Scintillation Properties of Carbazole for Neutron Detection. IEEE Transactions on Nuclear Science, 2020, 67, 1027-1031.	2.0	4
32	Al-doping effects on mechanical, optical and scintillation properties of Ce:(La,Gd)2Si2O7 single crystals. Optical Materials, 2019, 87, 11-15.	3.6	4
33	Pulse-shape discrimination potential of new scintillator material: La-GPS:Ce. Journal of Instrumentation, 2019, 14, P06037-P06037.	1.2	2
34	Development of a high resolution LaGPS imaging detector with pulse shape discrimination capability of different types of radiations. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 922, 8-18.	1.6	13
35	Scintillation properties of Y-Admixed Gd2Si2O7 scintillator. Radiation Measurements, 2019, 126, 106123.	1.4	1
36	Crystal growth and luminescence properties of organic crystal scintillators for Î±-rays detection. Optical Materials, 2019, 94, 58-63.	3.6	14

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37	Development of a novel red-emitting cesium hafnium iodide scintillator. Radiation Measurements, 2019, 124, 54-58.	1.4	17
38	Crystal structure of Ce-doped (La,Gd)2Si2O7 grown by the Czochralski process. Journal of Alloys and Compounds, 2018, 748, 404-410.	5.5	5
39	Growth and luminescent properties of Ce and Eu doped Cesium Hafnium Iodide single crystalline scintillators. Journal of Crystal Growth, 2018, 492, 1-5.	1.5	16
40	Growth and Luminescent Properties of Cs₂HfCl₆ Scintillators Doped With Alkaline Earth Metals. IEEE Transactions on Nuclear Science, 2018, 65, 2169-2173.	2.0	8
41	Scintillation properties of Gd3(Al5-xGax)O12:Ce (x = 2.3, 2.6, 3.0) single crystals. Optical Materials, 2018, 81, 23-29.	3.6	17
42	Comprehensive Study on Ce-Doped (Gd, La)₂Si₂O₇ Scintillator. IEEE Transactions on Nuclear Science, 2018, 65, 2136-2139.	2.0	7
43	Optimization of Dopants and Scintillation Fibersâ€™ Diameter of GdAlO₃/$alpha$ -Al₂O₃ Eutectic for High-Resolution X-Ray Imaging. IEEE Transactions on Nuclear Science, 2018, 65, 2036-2040.	2.0	13
44	Development of Red Emitting Powder Ceramic Phosphors with Good Temperature Dependence. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2018, 26, 187-190.	0.0	0
45	Temperature dependence of Ce-doped (Gd 0.6 La 0.4) 2 Si 2 O 7 scintillators. Optical Materials, 2017, 65, 56-59.	3.6	6
46	Establishment of Imaging Spectroscopy of Nuclear Gamma-Rays based on Geometrical Optics. Scientific Reports, 2017, 7, 41511.	3.3	33
47	Growth and scintillation properties of Eu doped LiSrI3/LiI eutectics. Optical Materials, 2017, 68, 70-74.	3.6	23
48	Growth of LiF/LiBaF3 eutectic scintillator crystals and their optical properties. Journal of Materials Science, 2017, 52, 5531-5536.	3.7	6
49	Cesium hafnium chloride scintillator coupled with an avalanche photodiode photodetector. Journal of Instrumentation, 2017, 12, C02042-C02042.	1.2	13
50	Development of a real-time dose monitor with Cr-doped Gd3Ga5O12 infrared scintillator. Radiation Measurements, 2017, 106, 187-191.	1.4	8
51	The divalent ion codoping effect on Ce-doped (Gd, La)2Si2O7 single crystals. Optical Materials, 2017, 68, 42-46.	3.6	2
52	Development of Eu:SrI2 Scintillator Array for Gamma-Ray Imaging Applications. IEEE Transactions on Nuclear Science, 2017, 64, 1647-1651.	2.0	4
53	Control of the solid-liquid interface during growth of a Ce-doped Gd 2 Si 2 O 7 crystal by the traveling solvent floating zone method. Journal of Crystal Growth, 2017, 468, 465-468.	1.5	3
54	Single crystal growth of Ce:Gd3(Ga,Al)5O12 with various Mg concentration and their scintillation properties. Journal of Crystal Growth, 2017, 468, 407-410.	1.5	15

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55	Development of novel growth methods for halide single crystals. Optical Materials, 2017, 65, 46-51.	3.6	22
56	Crystal growth and optical properties of Gd admixed Ce-doepd Lu2Si2O7 single crystals. Journal of Crystal Growth, 2017, 468, 391-394.	1.5	2
57	Comparison of luminescence, energy resolution and light loss coefficient of Gd 1.53 La 0.47 Si 2 O 7 :Ce and Lu 1.9 Y 0.1 SiO 5 :Ce scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 844, 129-134.	1.6	5
58	Temperature Dependence of Luminescence Properties for Zr Codoped Ce:(Gd,â€...La)2Si2O7 Scintillator. , 2016, , .		1
59	Growth and scintillation properties of 3 in. diameter Ce doped Gd3Ga3Al2O12 scintillation single crystal. Journal of Crystal Growth, 2016, 452, 81-84.	1.5	37
60	Field test around Fukushima Daiichi nuclear power plant site using improved Ce:Gd₃(Al,Ga)₅O₁₂ scintillator Compton camera mounted on an unmanned helicopter. Journal of Nuclear Science and Technology, 2016, 53, 1907-1918.	1.3	38
61	Crystal growth and luminescence properties of Yb2Si2O7 infra-red emission scintillator. Optical Materials, 2016, 58, 14-17.	3.6	9
62	Large Size Czochralski Growth and Scintillation Properties of. IEEE Transactions on Nuclear Science, 2016, 63, 443-447.	2.0	49
63	Luminescence properties of the Mg coâ€“doped Ce:SrHfO3 ceramics prepared by the Spark Plasma Sintering Method. Radiation Measurements, 2016, 90, 287-291.	1.4	10
64	Growth of 2 Inch Eu-doped SrI2 single crystals for scintillator applications. Journal of Crystal Growth, 2016, 452, 73-80.	1.5	13
65	Growth of 1.5-In Eu : Single Crystal and Scintillation Properties. IEEE Transactions on Nuclear Science, 2016, 63, 467-470.	2.0	10
66	Czochralski growth of 2 in. Ce-doped (La,Gd)2Si2O7 for scintillator application. Journal of Crystal Growth, 2016, 452, 57-64.	1.5	6
67	Growth and luminescence properties of Eu-doped HfO2/Î±-Al2O3 eutectic scintillator. Journal of Rare Earths, 2016, 34, 796-801.	4.8	10
68	Crystal growth and scintillation properties of Lu substituted CeBr3 single crystals. Journal of Crystal Growth, 2016, 452, 65-68.	1.5	4
69	Scintillation properties of Zr co-doped Ce:(Gd, La)2Si2O7 grown by the Czochralski process. Radiation Measurements, 2016, 90, 162-165.	1.4	8
70	Luminescent properties of Cr-doped gallium garnet crystals grown by the micro-pulling-down method. Journal of Crystal Growth, 2016, 452, 95-100.	1.5	8
71	Effects of Na and K co-doping on growth and scintillation properties of Eu:SrI2 crystals. Radiation Measurements, 2016, 90, 157-161.	1.4	4
72	A prototype of aerial radiation monitoring system using an unmanned helicopter mounting a GAGG scintillator Compton camera. Journal of Nuclear Science and Technology, 2016, 53, 1067-1075.	1.3	80

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73	Crystal growth and scintillation properties of multi-component oxide single crystals: Ce:GGAG and Ce:La-GPS. Journal of Luminescence, 2016, 169, 387-393.	3.1	33
74	Radiation Hardness of Ce:(Gd,â€¦La)2Si2O7 Scintillator Using 80-MeV Alpha Rays. , 2016, , .		1
75	Rare-earth Activated Pyrosilicate-type Powder Scintillator. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2016, 24, 170-173.	0.0	0
76	LiF/CaF₂/LiBaF₃ ternary fluoride eutectic scintillator. Japanese Journal of Applied Physics, 2015, 54, 04DH04.	1.5	21
77	Growth and scintillation properties of Ce doped Gd2Si2O7/SiO2eutectics. Journal of Physics: Conference Series, 2015, 619, 012036.	0.4	5
78	Crystal Growth of Ca3Nb(Ga1â^'xAlx)3Si2O14 Piezoelectric Single Crystals with Various Al Concentrations. Materials, 2015, 8, 5597-5605.	2.9	20
79	Luminescence properties of Pr-doped (La,Gd)₂Si₂O₇grown by the floating zone method. Japanese Journal of Applied Physics, 2015, 54, 052401.	1.5	7
80	Luminescence and scintillation properties of Ce dope SrHfO3 based eutectics. Optical Materials, 2015, 41, 41-44.	3.6	14
81	Luminescence study on Eu or Tb doped lanthanumâ€“gadolinium pyrosilicate crystal. Optical Materials, 2015, 41, 80-83.	3.6	2
82	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.	1.6	3
83	Scintillation properties of Ce:(La,Gd)2Si2O7 at high temperatures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 772, 72-75.	1.6	28
84	Growth, Structural Considerations, and Characterization of Ce-Doped (La,Gd)₂Si₂O₇ Scintillating Crystals. Crystal Growth and Design, 2015, 15, 1642-1651.	3.0	31
85	Alkali earth co-doping effects on luminescence and scintillation properties of Ce doped Gd3Al2Ga3O12 scintillator. Optical Materials, 2015, 41, 63-66.	3.6	114
86	Radiation imaging with a new scintillator and a CMOS camera. Journal of Instrumentation, 2014, 9, C07015-C07015.	1.2	7
87	Control of mean ionic radius at Ca site by Sr co-doping for Ce doped LiCaAlF6 single crystals and the effects on optical and scintillation properties. Optical Materials, 2014, 36, 1950-1953.	3.6	8
88	Luminescent properties of Cr-doped (Gd , Y1â^')3Al5O12 infra-red scintillator crystals. Optical Materials, 2014, 36, 1938-1941.	3.6	5
89	Crystal Growth and Luminescence Properties of Yb-doped Gd3Al2Ga3O12 Infra-red Scintillator. Optical Materials, 2014, 36, 1484-1487.	3.6	12
90	Luminescence Characteristics of the Ce³⁺-Doped Pyrosilicates: The Case of La-Admixed Gd₂Si₂O₇ Single Crystals. Journal of Physical Chemistry C, 2014, 118, 26521-26529.	3.1	33

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91	Scintillation Properties of ${m Nd}^{3+}$-Doped ${m Lu}_{2}{{m O}_3}$ Ceramics in the Visible and Infrared Regions. IEEE Transactions on Nuclear Science, 2014, 61, 316-319.	2.0	9
92	Defect Engineering in Ce-Doped Aluminum Garnet Single Crystal Scintillators. Crystal Growth and Design, 2014, 14, 4827-4833.	3.0	197
93	Crystal growth and optical properties of Ce:(La,Gd)2Ge2O7 grown by the floating zone method. Journal of Crystal Growth, 2014, 393, 142-144.	1.5	7
94	Cz grown 2-in. size Ce:Gd3(Al,Ga)5O12 single crystal; relationship between Al, Ga site occupancy and scintillation properties. Optical Materials, 2014, 36, 1942-1945.	3.6	151
95	Optical properties of a Nd-doped SrBr2 crystal grown by the Bridgman technique. Journal of Crystal Growth, 2014, 393, 163-166.	1.5	14
96	Performance of Ce-doped (La, Gd)2Si2O7 scintillator with an avalanche photodiode. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 744, 30-34.	1.6	29
97	Optical properties and radiation response of Ce:SrHfO3 prepared by the Spark Plasma Sintering Method. Radiation Measurements, 2013, 56, 155-158.	1.4	14
98	Development of a single crystal with a high index of refraction. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 732, 599-602.	1.6	1
99	Growth of column-shaped and plate-like langasite-type piezoelectric single crystals and their physical properties. Sensors and Actuators A: Physical, 2013, 200, 56-59.	4.1	20
100	Crystal growth of Eu:SrI2 single crystals by micro-pulling-down method and the scintillation properties. Journal of Crystal Growth, 2013, 375, 49-52.	1.5	28
101	Development of a Time-resolved Neutron Imaging Detector Based on the Î¼PIC Micro-Pixel Chamber. Hamon, 2013, 23, 218-222.	0.0	0
102	Optical and scintillation properties of Dy³⁺:Y₃Al₅O₁₂ and undoped Y₃Al₅O₁₂ crystals grown in reduction atmosphere. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2255-2258.	0.8	6
103	The effect of different oxidative growth conditions on the scintillation properties of Ce:Gd₃Al₃Ga₂O₁₂ crystal. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2251-2254.	0.8	10
104	Euâ€concentration dependence of optical and scintillation properties for Euâ€doped SrF₂ single crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2275-2278.	0.8	7
105	Temperature dependence of the scintillation properties of Ce:GSO and Ce:GSOZ. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 690, 53-57.	1.6	13
106	Crystal Growth and Scintillation Properties of Fluoride Scintillators. IEEE Transactions on Nuclear Science, 2012, 59, 2173-2176.	2.0	14
107	Fast and High-Energy-Resolution Oxide Scintillator: Ce-Doped (La,Gd)$_{2}$Si$_{2}$O$_{7}$. Applied Physics Express, 2012, 5, 102601.	2.4	45
108	Neutron imaging detector based on the µPIC micro-pixel gaseous chamber. , 2011, , .		0

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109	OBSERVATION OF DIFFUSE COSMIC AND ATMOSPHERIC GAMMA RAYS AT BALLOON ALTITUDES WITH AN ELECTRON-TRACKING COMPTON CAMERA. Astrophysical Journal, 2011, 733, 13.	4.5	50
110	Simulation study for the higher sensitivity of an Electron-Tracking Compton Camera at over 1 MeV. , 2011, , .		0
111	Imaging study of a phantom and small animal with a two-head electron-tracking Compton gamma-ray camera. , 2010, , .		0
112	Performance of a neutron imaging detector based on the μPIC micro-pixel gaseous chamber. , 2010, , .		3
113	Imaging reagents study for nuclear medicine using an electron-tracking Compton gamma-ray camera. , 2009, , .		0
114	Development of a neutron imaging detector based on the μPIC micro-pixel gaseous chamber. , 2009, , .		1
115	Study on the use of electron-tracking Compton gamma-ray camera to monitor the therapeutic proton dose distribution in real time. , 2009, , .		9
116	Performance of 8$,imes,$8 Pixel LaBr$_{3}$:Ce and Gd$_{2}$SiO$_{5}$:Ce Scintillator Arrays Coupled to a 64-Channel Multi-Anode PMT. IEEE Transactions on Nuclear Science, 2009, 56, 3779-3788.	2.0	15
117	The Observation of Diffuse Cosmic and Atmospheric Gamma Rays with an Electron-Tracking Compton Camera Loaded on a Balloon. Journal of the Physical Society of Japan, 2009, 78, 161-164.	1.6	5
118	Development of Electron tracking Compton Camera based on micro pixel gas detector and its application for medical imaging. , 2008, , .		1
119	Compton imaging Camera using an Electron-Tracking gaseous TPC and a scintillation camera. , 2008, , .		1
120	Low-power wide-dynamic-range readout system for a 64-channel multi-anode PMT of a scintillation gamma camera. , 2008, , .		1
121	Simultaneous imaging of multi nuclides using the Electron Tracking Compton gamma-ray camera based on small animal and phantom experiments. , 2008, , .		6
122	Development of a gamma camera based on an 8×8 array of LaBr<inf>3</inf>(Ce) scintillator pixels coupled to a 64-channel multi-anode PMT. , 2007, , .		7
123	An Electron-Tracking Compton imaging camera based on a gaseous TPC and a scintillation camera. , 2007, , .		4
124	Observation of diffuse gamma-ray with Electron-Tracking Compton imaging camera loaded on balloon. , 2007, , .		8
125	Diagnostic approach of using an electron tracking compton gamma-ray camera based on small animal and phantom experiments. , 2007, , .		6
126	DETECTOR PERFORMANCE OF THE NEWAGE EXPERIMENT. , 2007, , .		0

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127	Balloon-Borne Sub-MeV Gamma-ray Imager Using Electron Tracking Gaseous TPC and Scintillation Camera. , 2006, , .		6
128	Large size growth of terbium doped BaCl2/NaCl/KCl eutectic for radiation imaging. Japanese Journal of Applied Physics, 0, , .	1.5	5