Christophe Dujardin

List of Publications by Year
in descending order

240 papers	6,863 citations	61857 43 h-index	91712 69 g-index
244 all docs	244 docs citations	244 times ranked	5699 citing authors

#	Article	IF	Citations
1	Luminescent Nd3+, Cr3+ codoped YAG nanocrystals for thermal sensing: Influence of the excitation wavelength. Physica B: Condensed Matter, 2022, 628, 413622.	1.3	1
2	Doping MAPbBr₃ hybrid perovskites with CdSe/CdZnS quantum dots: from emissive thin films to hybrid single-photon sources. Nanoscale, 2022, 14, 5769-5781.	2.8	5
3	Optical properties of individual CdS/CdSe/CdS nanocrystals: spherical quantum wells as single-photon sources. Nanotechnology, 2022, 33, 275703.	1.3	1
4	Scintillating thin film design for ultimate high resolution X-ray imaging. Journal of Materials Chemistry C, 2022, 10, 9257-9265.	2.7	4
5	Highly luminescent scintillating hetero-ligand MOF nanocrystals with engineered Stokes shift for photonic applications. Nature Communications, 2022, 13, .	5.8	38
6	Photodetection and scintillation characterizations of novel lead-bismuth double perovskite halides. Journal of Materials Chemistry C, 2022, 10, 11266-11275.	2.7	7
7	Optical properties of fully inorganic core/gradient-shell CdSe/CdZnS nanocrystals at the ensemble and single-nanocrystal levels. Physical Chemistry Chemical Physics, 2021, 23, 22750-22759.	1.3	6
8	Introductionâ€"Overview on Plastic and Inorganic Scintillators. Topics in Applied Physics, 2021, , 3-33.	0.4	8
9	Effect of commensurate lithium doping on the scintillation of two-dimensional perovskite crystals. Journal of Materials Chemistry C, 2021, 9, 2504-2512.	2.7	46
10	Composite fast scintillators based on high-Z fluorescent metalâ€"organic framework nanocrystals. Nature Photonics, 2021, 15, 393-400.	15.6	93
11	Impact of Carbon Co-Doping on the Optical and Scintillation Properties of a YAG:Ce Scintillator. Crystal Growth and Design, 2021, 21, 3063-3070.	1.4	14
12	Trapping Mechanisms and Delayed Recombination Processes in Scintillating Ce-Doped Solâ€"Gel Silica Fibers. Journal of Physical Chemistry C, 2021, 125, 11489-11498.	1.5	3
13	Deterministic Light Yield, Fast Scintillation, and Microcolumn Structures in Lead Halide Perovskite Nanocrystals. Journal of Physical Chemistry C, 2021, 125, 14082-14088.	1.5	25
14	Perovskite scintillators: emission at high energy excitations. , 2021, , .		0
15	Perspectives for CdSe/CdS spherical quantum wells as rapid-response nano-scintillators. Nanoscale, 2021, 13, 19578-19586.	2.8	11
16	Drastic Ce3+ Insertion Enhancement in YAG Garnet Nanocrystals Through a Solvothermal Route. Frontiers in Materials, 2021, 8, .	1.2	5
17	Stable and Bright Commercial CsPbBr₃ Quantum Dot-Resin Layers for Apparent X-ray Imaging Screen. ACS Applied Materials & Interfaces, 2021, 13, 59450-59459.	4.0	12
18	The Bright Xâ€Ray Stimulated Luminescence of HfO₂ Nanocrystals Activated by Ti Ions. Advanced Optical Materials, 2020, 8, 1901348.	3.6	13

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19	Quest to enhance up-conversion efficiency: a comparison of anhydrous vs. hydrous synthesis of NaGdF4: Yb3+ and Tm3+ nanoparticles. Materials Today Chemistry, 2020, 17, 100326.	1.7	7
20	Synergetic Liâ€“Ca Coâ€Doping for Ce Valence Conversion in Yttrium Aluminum Garnet. Physica Status Solidi (B): Basic Research, 2020, 257, 2000243.	0.7	4
21	Radiation Doseâ€Enhancement Is a Potent Radiotherapeutic Effect of Rareâ€Earth Composite Nanoscintillators in Preclinical Models of Glioblastoma. Advanced Science, 2020, 7, 2001675.	5.6	36
22	Library of Two-Dimensional Hybrid Lead Halide Perovskite Scintillator Crystals. Chemistry of Materials, 2020, 32, 8530-8539.	3.2	80
23	Modified floating-zone crystal growth of Mg₄Ta₂O₉ and its scintillation performance. CrystEngComm, 2020, 22, 3497-3504.	1.3	13
24	Lithium-doped two-dimensional perovskite scintillator for wide-range radiation detection. Communications Materials, 2020, 1, .	2.9	88
25	Transparent and luminescent glasses of gold thiolate coordination polymers. Chemical Science, 2020, 11, 6815-6823.	3.7	36
26	Single CdSe/CdS colloidal nanocrystals embedded in an Ultra-Pure SiO₂ matrix deposited by ion beam sputtering. Semiconductor Science and Technology, 2020, 35, 055005.	1.0	3
27	Synthesis routes of CeO₂ nanoparticles dedicated to organophosphorus degradation: a benchmark. CrystEngComm, 2020, 22, 1725-1737.	1.3	20
28	Internal quantum efficiency of AlGaN/AlN quantum dot superlattices for electron-pumped ultraviolet sources. Nanotechnology, 2020, 31, 505205.	1.3	6
29	Scintillators from solution-processable perovskite halide single crystals or quantum dots: the good, the bad, and the ugly. , 2020, , .		1
30	On the use of CdSe scintillating nanoplatelets as time taggers for high-energy gamma detection. Npj 2D Materials and Applications, 2019, 3, .	3.9	53
31	Liquid-Crystalline Suspensions of Photosensitive Paramagnetic CeF₃ Nanodiscs. Langmuir, 2019, 35, 16256-16265.	1.6	7
32	Doping nanoparticles using pulsed laser ablation in a liquid containing the doping agent. Nanoscale Advances, 2019, 1, 3963-3972.	2.2	22
33	Advancement toward ultra-thick and bright InGaN/GaN structures with a high number of QWs. CrystEngComm, 2019, 21, 356-362.	1.3	21
34	Seed orientation and pulling rate effects on bubbles and strain distribution on a sapphire crystal grown by the micro-pulling down method. CrystEngComm, 2019, 21, 4200-4211.	1.3	4
35	Growth and scintillation performances of SrI2:Eu with low activator concentration. Journal of Crystal Growth, 2019, 521, 41-45.	0.7	8
36	Interstitial Li + Controls the UV Transmission and the Radiation Hardness in YAG. Physica Status Solidi (B): Basic Research, 2019, 256, 1800724.	0.7	1

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37	Inorganic, Organic, and Perovskite Halides with Nanotechnology for Highâ€“Light Yield X- and Î³-ray Scintillators. Crystals, 2019, 9, 88.	1.0	150
38	Multicolor Solar Absorption as a Synergetic UV Upconversion Enhancement Mechanism in LiYF₄:Yb³⁺,Tm³⁺ Nanocrystals. ACS Photonics, 2019, 6, 3126-3131.	3.2	12
39	Strong suppression of In desorption from InGaN QW by improved technology of upper InGaN/GaN QW interface. Journal of Crystal Growth, 2019, 507, 310-315.	0.7	3
40	Influence of Si doping of GaN layers surrounding InGaN quantum wells on structure photoluminescence properties. Journal of Crystal Growth, 2019, 506, 8-13.	0.7	8
41	Dissimilar behavior of YAG:Ce and LuAG:Ce scintillator garnets regarding Li⁺ co-doping. CrystEngComm, 2018, 20, 1520-1526.	1.3	27
42	Growth and Characterization of SrI₂:Eu Crystals Fabricated by the Czochralski Method. IEEE Transactions on Nuclear Science, 2018, 65, 2174-2177.	1.2	8
43	InGaN/GaN Structures: Effect of the Quantum Well Number on the Cathodoluminescent Properties. Physica Status Solidi (B): Basic Research, 2018, 255, 1700464.	0.7	6
44	Circadian Light Source Based on KxNa1-xLuS2:Eu2+ Phosphor. ECS Journal of Solid State Science and Technology, 2018, 7, R3182-R3188.	0.9	6
45	Modeling Energy Migration for Upconversion Materials. Journal of Physical Chemistry C, 2018, 122, 888-893.	1.5	14
46	Design and Application of High Optical Quality YAG:Ce Nanocrystal-Loaded Silica Aerogels. ACS Applied Materials & Interfaces, 2018, 10, 32304-32312.	4.0	12
47	Radio-luminescence spectral features and fast emission in hafnium dioxide nanocrystals. Physical Chemistry Chemical Physics, 2018, 20, 15907-15915.	1.3	10
48	Drastic Scintillation Yield Enhancement of YAG:Ce with Carbon Doping. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800122.	0.8	12
49	Needs, Trends, and Advances in Inorganic Scintillators. IEEE Transactions on Nuclear Science, 2018, 65, 1977-1997.	1.2	305
50	Particle detection at cryogenic temperatures with undoped CsI. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 901, 6-13.	0.7	9
51	A new solvothermal method for the synthesis of size-controlled YAG:Ce single-nanocrystals. RSC Advances, 2018, 8, 26857-26870.	1.7	30
52	From Nanoparticle Assembly to Monolithic Aerogels of YAG, Rare Earth Fluorides, and Composites. Chemistry of Materials, 2018, 30, 5460-5467.	3.2	13
53	A strategy to increase phosphor brightness: Application with Ce3+-doped Gd3Sc2Al3O12. Journal of Luminescence, 2017, 190, 62-68.	1.5	21
54	A Photosensitizer Lanthanide Nanoparticle Formulation that Induces Singlet Oxygen with Direct Light Excitation, But Not By Photon or Xâ€ray Energy Transfer. Photochemistry and Photobiology, 2017, 93, 1439-1448.	1.3	7

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55	Consequences of Ca Codoping in YAlO₃:Ce Single Crystals. ChemPhysChem, 2017, 18, 493-499.	1.0	19
56	An intrinsic dual-emitting gold thiolate coordination polymer, [Au(+I)(p-SPhCO₂H)]_n, for ratiometric temperature sensing. Journal of Materials Chemistry C, 2017, 5, 9843-9848.	2.7	30
57	Origin of the nano-carbon allotropes in pulsed laser ablation in liquids synthesis. Journal of Colloid and Interface Science, 2017, 489, 114-125.	5.0	62
58	Growth and characterization of Ce-doped YAG and LuAG fibers. Optical Materials, 2017, 65, 66-68.	1.7	15
59	Stimulated scintillation emission depletion X-ray imaging. Optics Express, 2017, 25, 654.	1.7	7
60	2016 International Conference on Defects in Insulating Materials (ICDIM 2016). IOP Conference Series: Materials Science and Engineering, 2017, 169, 011001.	0.3	0
61	On the correlations between the excitonic luminescence efficiency and the QW numbers in multiple InGaN/GaN QW structure. Journal of Applied Physics, 2017, 121, 214505.	1.1	8
62	Test beam results of a high granularity LuAG fibre calorimeter prototype. Journal of Instrumentation, 2016, 11, P05004-P05004.	0.5	14
63	Devices based on InGaN/GaN multiple quantum well for scintillator and detector applications. Proceedings of SPIE, 2016, , .	0.8	0
64	Dynamical study of bubble expansion following laser ablation in liquids. Applied Physics Letters, 2016, 108, .	1.5	137
65	Nondestructive Encapsulation of CdSe/CdS Quantum Dots in an Inorganic Matrix by Pulsed Laser Deposition. ACS Applied Materials & Interfaces, 2016, 8, 22361-22368.	4.0	6
66	The Influence of Oxygen Vacancies on Luminescence Properties of Na₃LuSi₃O₉:Ce³⁺. Journal of Physical Chemistry C, 2016, 120, 18741-18747.	1.5	21
67	Single crystal lutetium oxide thin film scintillators for X-ray imaging. Journal of Instrumentation, 2016, 11, C10010-C10010.	0.5	21
68	Growth of long undoped and Ce-doped LuAG single crystal fibers for dual readout calorimetry. Journal of Crystal Growth, 2016, 435, 31-36.	0.7	17
69	Deep traps can reduce memory effects of shallower ones in scintillators. Physical Chemistry Chemical Physics, 2016, 18, 1178-1184.	1.3	19
70	Enhanced Transparency through Second Phase Crystallization in BaAl₄O₇ Scintillating Ceramics. Crystal Growth and Design, 2016, 16, 386-395.	1.4	15
71	CdSe/ZnS quantum dots as sensors for the local refractive index. Nanoscale, 2016, 8, 2317-2325.	2.8	37
72	Epitaxial growth of gadolinium and lutetium-based aluminum perovskite thin films for X-ray micro-imaging applications. CrystEngComm, 2016, 18, 608-615.	1.3	31

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73	Inhomogeneous Broadening: Symmetry of Centers and Disorder in Solid Solutions and Nanocrystals. EPJ Web of Conferences, 2015, 103, 01003.	0.1	1
74	Low-absorption, multi-layered scintillating material for high resolution real-time X-ray beam analysis. Journal of Materials Chemistry C, 2015, 3, 4954-4959.	2.7	11
75	Autocorrelation Analysis for the Unbiased Determination of Power-Law Exponents in Single-Quantum-Dot Blinking. ACS Nano, 2015, 9, 886-893.	7.3	28
76	Modelling energy deposition in nanoscintillators to predict the efficiency of the X-ray-induced photodynamic effect. Nanoscale, 2015, 7, 5744-5751.	2.8	72
77	Atomistic Mechanisms for the Nucleation of Aluminum Oxide Nanoparticles. Journal of Physical Chemistry A, 2015, 119, 8944-8949.	1.1	43
78	Chemical vapor deposition of Si:C and Si:C:P filmsâ€"Evaluation of material quality as a function of C content, carrier gas and doping. Journal of Crystal Growth, 2015, 426, 75-81.	0.7	10
79	Role of Optical Fiber Drawing in Radioluminescence Hysteresis of Yb-Doped Silica. Journal of Physical Chemistry C, 2015, 119, 15572-15578.	1.5	19
80	Diamond contact-less micrometric temperature sensors. Applied Physics Letters, 2015, 106, .	1.5	15
81	A luminescent double helical gold(<scp>i</scp>)â€"thiophenolate coordination polymer obtained by hydrothermal synthesis or by thermal solid-state amorphous-to-crystalline isomerization. Journal of Materials Chemistry C, 2015, 3, 4115-4125.	2.7	44
82	Kinetic Model of Energy Relaxation in CsI:A (A = Tl and In) Scintillators. Journal of Physical Chemistry C, 2015, 119, 20578-20590.	1.5	33
83	A study of radiation effects on LuAG:Ce(Pr) co-activated with Ca. Journal of Crystal Growth, 2015, 430, 46-51.	0.7	24
84	Luminescence properties of Na₃LuSi₃O₉:Ce³⁺ as a potential scintillator material. RSC Advances, 2015, 5, 102477-102480.	1.7	5
85	Growth of Ce-doped LGSO fiber-shaped crystals by the micro pulling down technique. Journal of Crystal Growth, 2015, 412, 95-102.	0.7	12
86	Ce-doped LuAG single-crystal fibers grown from the melt for high-energy physics. Acta Materialia, 2014, 67, 232-238.	3.8	44
87	Î³-Al₂O₃nanoparticles synthesised by pulsed laser ablation in liquids: a plasma analysis. Physical Chemistry Chemical Physics, 2014, 16, 963-973.	1.3	117
88	Anomalous discrete disorder response of high-symmetry impurity centers spectra in garnet solid solutions. Physical Chemistry Chemical Physics, 2014, 16, 22583-22587.	1.3	13
89	Radioluminescence Sensitization in Scintillators and Phosphors: Trap Engineering and Modeling. Journal of Physical Chemistry C, 2014, 118, 9670-9676.	1.5	53
90	Investigation of local thermodynamic equilibrium in laser-induced plasmas: Measurements of rotational and excitation temperatures at long time scales. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2014, 101, 86-92.	1.5	37

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91	Light yield sensitization by X-ray irradiation of the BaAl4O7:Eu2+ceramic scintillator obtained by full crystallization of glass. Physical Chemistry Chemical Physics, 2014, 16, 24824-24829.	1.3	23
92	Estimation of the Electron Thermalization Length in Ionic Materials. Journal of Physical Chemistry Letters, 2013, 4, 3534-3538.	2.1	30
93	X-ray-Induced Singlet Oxygen Activation with Nanoscintillator-Coupled Porphyrins. Journal of Physical Chemistry C, 2013, 117, 21583-21589.	1.5	117
94	YAG:Ce nanoparticle lightsources. Nanotechnology, 2013, 24, 165703.	1.3	13
95	A molecular precursor approach to monodisperse scintillating CeF3 nanocrystals. Dalton Transactions, 2013, 42, 12633.	1.6	32
96	Test beam results with LuAG fibers for next-generation calorimeters. Journal of Instrumentation, 2013, 8, P10017-P10017.	0.5	22
97	Perfectly Transparent Sr₃Al₂O₆ Polycrystalline Ceramic Elaborated from Glass Crystallization. Chemistry of Materials, 2013, 25, 4017-4024.	3.2	60
98	Single crystalline LuAG fibers for homogeneous dual-readout calorimeters. Journal of Instrumentation, 2013, 8, P09019-P09019.	0.5	34
99	Experimental evidence of temperature gradients in cavitating microflows seeded with thermosensitive nanoprobes. Physical Review E, 2013, 88, 043016.	0.8	17
100	Conference Comments by the Editors. IEEE Transactions on Nuclear Science, 2012, 59, 2037-2037.	1.2	0
101	Local refractive index probed via the fluorescence decay of semiconductor quantum dots. Optics Express, 2012, 20, 3200.	1.7	19
102	Structureâ€“Property Correlations in a Ce-Doped (Lu,Gd)₂SiO₅:Ce Scintillator. Crystal Growth and Design, 2012, 12, 4411-4416.	1.4	59
103	Mechanisms for Ce3+ excitation at energies below the zero-phonon line in YAG crystals and nanocrystals. Journal of Luminescence, 2012, 132, 3082-3088.	1.5	25
104	Site occupation and solubility limit of Sc in Lu3Al5O12. Journal of Crystal Growth, 2012, 338, 143-146.	0.7	10
105	Radiation hardness of LuAG:Ce and LuAG:Pr scintillator crystals. Journal of Crystal Growth, 2012, 361, 212-216.	0.7	47
106	Shells of crystal field symmetries evidenced in oxide nano-crystals. Nanotechnology, 2012, 23, 305706.	1.3	4
107	New nanoplatform based on Gd2O2S:Eu3+ core: synthesis, characterization and use for in vitro bio-labelling. Journal of Materials Chemistry, 2011, 21, 18365.	6.7	56
108	Rare Earth Fluoride Nanoparticles Obtained Using Charge Transfer Complexes: A Versatile and Efficient Route toward Colloidal Suspensions and Monolithic Transparent Xerogels. Langmuir, 2011, 27, 5555-5561.	1.6	23

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109	Synthesis of Oxide Nanoparticles by Pulsed Laser Ablation in Liquids Containing a Complexing Molecule: Impact on Size Distributions and Prepared Phases. Journal of Physical Chemistry C, 2011, 115, 18111139.	1.5	75
110	Scintillation properties of Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>Ge<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mml:	1.1	18
111	Homogeneous dispersion of gadolinium oxide nanoparticles into a non-aqueous-based polymer by two surface treatments. Journal of Nanoparticle Research, 2011, 13, 2417-2428.	0.8	4
112	Luminescence and Scintillation Properties at the Nanoscale. IEEE Transactions on Nuclear Science, 2010, 57, 1348-1354.	1.2	76
113	Bridgman growth and site occupation in LuAG:Ce scintillator crystals. Journal of Crystal Growth, 2010, 312, 3136-3142.	0.7	67
114	Gaseous environment-sensitive fluorescence of YAG:Ce3+ nanocrystals. Journal of Applied Physics, 2010, 107, 064308.	1.1	11
115	LuAG:Ce fibers for high energy calorimetry. Journal of Applied Physics, 2010, 108, .	1.1	103
116	Development of an x-ray imaging system for the Laser Megajoule (LMJ). Review of Scientific Instruments, 2010, 81, 10E509.	0.6	11
117	Thin Film Growth Using Hetero Embryo: Demonstration on Pyrochlore Phase. ACS Applied Materials & Interfaces, 2010, 2, 1543-1547.	4.0	4
118	Time-Resolved VUV Excited Luminescence of $hbox {Y}_{2}hbox {O}_{3}hbox {-} hbox {Yb}$ Nanoparticles. IEEE Transactions on Nuclear Science, 2010, 57, 1355-1360.	1.2	6
119	Competition between exciton-phonon interaction and defects states in the 3.31 eV band in ZnO. Physical Review B, 2010, 81, .	1.1	64
120	Comparison of Spectral and Scintillation Properties of LuAP:Ce and LuAP:Ce,Sc Single Crystals. IEEE Transactions on Nuclear Science, 2009, 56, 2574-2579.	1.2	1
121	Scintillating and optical spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si32.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Al</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow><mml:mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub><mml:mo?</mml:mo> for dark matter searches. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 605, 545-55	0.7	18
122	BGO fibers growth by <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mi>Î¼</mml:mi></mml:math>-pulling down technique and study of light propagation. Physics Procedia, 2009, 2, 819-825.	1.2	14
123	Probing the excitonic emission of ZnO nanoparticles using UVâ€“VUV excitations. Journal of Luminescence, 2009, 129, 1798-1801.	1.5	14
124	Characterization and scintillation properties of solâ€“gel derived Lu2SiO5:Ln3+ (Ln=Ce, Eu and Tb) powders. Optical Materials, 2009, 31, 1334-1336.	1.7	17
125	Characterizations of 0.4 and 1mm diameter Yb:YAG single-crystal fibers grown by the micro-pulling-down method for laser applications. Journal of Crystal Growth, 2009, 311, 4805-4811.	0.7	9
126	Fluorescent oxide nanoparticles adapted to active tips for near-field optics. Nanotechnology, 2009, 20, 015603.	1.3	37

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127	Facile and rapid synthesis of highly luminescent nanoparticles via pulsed laser ablation in liquid. Nanotechnology, 2009, 20, 445605.	1.3	68
128	Nanodiamond synthesis by pulsed laser ablation in liquids. Diamond and Related Materials, 2009, 18, 177-180.	1.8	101
129	Status of Tests of Cryogenic Scintillators with a 2.8 K Optical Cryostat. , 2009, , .		0
130	The SciCryo Project and Cryogenic Scintillation ofÂAl2O3Âfor Dark Matter. Journal of Low Temperature Physics, 2008, 151, 902-907.	0.6	12
131	Fiber single crystal growth by LHPG technique and optical characterization of Ce3+-doped Lu2SiO5. Optical Materials, 2008, 30, 1461-1467.	1.7	12
132	Synthesis and optical properties of Yb0.6Y1.4O3 transparent ceramics. Journal of Alloys and Compounds, 2008, 464, 407-411.	2.8	17
133	HfO₂:X (X = Eu³⁺, Ce³⁺, Y³⁺) Sol Gel Powders for Ultradense Scintillating Materials. Journal of Physical Chemistry A, 2008, 112, 10152-10155.	1.1	46
134	Critical dimension where the macroscopic definition of refractive index can be applied at a nanometric scale. Physical Review B, 2008, 78, .	1.1	39
135	Dual readout calorimeter with heavy scintillating crystal fibers. , 2008, , .		4
136	Comparison of spectral and scintillation properties of LuAP:Ce and LuAP:Ce, Sc single crystals. , 2008, , .		0
137	Host Size Effects on Optical Properties of Y₂O₃:Eu³⁺ and Gd₂O₃:Eu³⁺ Nanoparticles Synthesized by Laser Pyrolysis. Solid State Phenomena, 2007, 128, 157-163.	0.3	2
138	Quantum confinement effect on Gd2O3 clusters. Journal of Chemical Physics, 2007, 126, 044507.	1.2	40
139	Impurities detection by optical techniques in KH2PO4 crystals. Optics Communications, 2007, 275, 372-378.	1.0	39
140	Concentration effect on the scintillation properties of solâ€“gel derived LuBO3 doped with Eu3+ and Tb3+. Optical Materials, 2007, 29, 697-702.	1.7	47
141	Effect of the quantum confinement on the luminescent properties of sesquioxydes. Journal of Luminescence, 2007, 122-123, 756-758.	1.5	12
142	Luminescence spectroscopy of NaF:U bulk and fiber crystals. Journal of Luminescence, 2007, 125, 259-265.	1.5	3
143	Soft X-ray excitation of luminescence in wide bandgap crystals doped with rare-earth ions. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 1092-1095.	0.8	1
144	Low temperature photoluminescence of pure and doped paratellurite (TeO2) crystals. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 1567-1570.	0.8	13

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145	Evaluation of Fiber-Shaped LYSO for Double Readout Gamma Photon Detection. IEEE Transactions on Nuclear Science, 2007, 54, 391-397.	1.2	22
146	Properties of LuAP:Ce scintillator containing intentional impurities. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 571, 325-328.	0.7	9
147	CRYSTAL FIBERS AND THIN FILMS FOR IMAGING APPLICATIONS. , 2006, , 275-291.		1
148	Pressure effect on luminescence dynamics in Pr3+-doped LiNbO3and LiTaO3crystals. Journal of Physics Condensed Matter, 2006, 18, 117-125.	0.7	22
149	Impurities detection by optical techniques in KH 2 PO 4 crystals. , 2006, 6403, 554.		1
150	Luminescence enhancement by energy transfer in core-shell structures. Chemical Physics Letters, 2006, 429, 157-160.	1.2	35
151	High pressure photoluminescence study of cerium-doped Lu2SiO5. Optical Materials, 2006, 28, 115-118.	1.7	6
152	Shaped crystal growth of Ce3+-doped Lu2(1âˆ'x)Y2xSiO5 oxyorthosilicate for scintillator applications by pulling-down technique. Journal of Crystal Growth, 2006, 289, 172-177.	0.7	38
153	Confinement effects in sesquioxydes. Journal of Luminescence, 2006, 119-120, 224-227.	1.5	16
154	Rare-earth-based nanoclusters embedded in solâ€"gel waveguiding thin films. Journal of Luminescence, 2006, 119-120, 560-564.	1.5	13
155	Optical properties of praseodymium concentrated phosphates. Optical Materials, 2006, 28, 14-20.	1.7	23
156	Photoluminescence properties of NaF:U,Cu bulk and fiber crystals. Optical Materials, 2006, 28, 1123-1127.	1.7	3
157	Scintillation of Sol-Gel Derived Lutetium Orthophosphate Doped with Rare Earth Ions. Journal of Sol-Gel Science and Technology, 2006, 38, 97-105.	1.1	14
158	Structural transition in rare earth oxide clusters. Journal of Chemical Physics, 2006, 125, 171104.	1.2	30
159	FIRST RESULTS WITH THE CLEARPET SMALL ANIMAL PET SCANNERS. , 2006, , 149-164.		4
160	Influence of Sr/Hf ratio and annealing treatment on structural and scintillating properties of solâ€"gel Ce3+-doped strontium hafnate powders. Optical Materials, 2005, 27, 1541-1546.	1.7	31
161	The melt growth of large LuAP single crystals for PET scanners. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 168-172.	0.7	6
162	The ClearPETâ„¢ project: development of a 2nd generation high-performance small animal PET scanner. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 307-311.	0.7	121

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