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List of Publications by Year
in descending order

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62	1,651	304743	302126
papers	citations	22 h-index	39 g-index

63	63	63	1102
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of calcium doping concentration on the performance of Ce,Ca:LuAG scintillation ceramics. Journal of the European Ceramic Society, 2022, 42, 6075-6084.	5.7	7
2	Temperature dependence of radio- and photoluminescence and scintillation properties of Y0.6Gd2.4Al2Ga3O12:Ce,Mg single crystal. Optical Materials, 2022, 131, 112662.	3.6	1
3	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
4	Gd-admixed (Lu,Gd)AlO3 single crystals: breakthrough in heavy perovskite scintillators. NPG Asia Materials, 2021, 13, .	7.9	10
5	Composition-Engineered GSAG Garnet: Single-Crystal Host for Fast Scintillators. Crystal Growth and Design, 2021, 21, 7139-7149.	3.0	8
6	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
7	Microstructure evolution in two-step-sintering process toward transparent Ce:(Y,Gd)3(Ga,Al)5O12 scintillation ceramics. Journal of Alloys and Compounds, 2020, 846, 156377.	5.5	10
8	Specific absorption in Y3Al5O12:Eu ceramics and the role of stable Eu2+ in energy transfer processes. Journal of Materials Chemistry C, 2020, 8, 8823-8839.	5.5	13
9	Heavily Ce³⁺-doped Y₃Al₅O₁₂ thin films deposited by a polymer solâ€“gel method for fast scintillation detectors. CrystEngComm, 2019, 21, 5115-5123.	2.6	10
10	Electronic band modification for faster and brighter Ce,Mg:Lu3-xYxAl5O12 ceramic scintillators. Journal of Luminescence, 2019, 214, 116545.	3.1	22
11	Effect of Si4+ co-doping on luminescence and scintillation properties of Lu3Al5O12:Ce,Ca epitaxial garnet films. Optical Materials, 2019, 91, 321-325.	3.6	12
12	Luminescence and scintillation characteristics of cerium doped Gd2YGa3Al2O12 ceramics. Optical Materials, 2019, 90, 20-25.	3.6	6
13	The influence of air annealing on the microstructure and scintillation properties of Ce,Mg:Lu<scp>AG</scp> ceramics. Journal of the American Ceramic Society, 2019, 102, 1805-1813.	3.8	18
14	Luminescence and scintillation properties of rare-earth-doped LaAlO3 single crystals. Radiation Measurements, 2019, 121, 26-31.	1.4	20
15	Photoinduced Preparation of Bandgap-Engineered Garnet Powders. IEEE Transactions on Nuclear Science, 2018, 65, 2184-2190.	2.0	5
16	Tailoring and Optimization of LuAG:Ce Epitaxial Film Scintillation Properties by Mg Co-Doping. Crystal Growth and Design, 2018, 18, 4998-5007.	3.0	17
17	Fabrication and optical properties of cerium doped Lu3Ga3Al2O12 scintillation ceramics. Optical Materials, 2018, 85, 121-126.	3.6	14
18	Ultrafast Zn(Cd,Mg)O:Ga nanoscintillators with luminescence tunable by band gap modulation. Optics Express, 2018, 26, 29482.	3.4	7

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19	Improvement of the growth of Li4SiO4 single crystals for neutron detection and their scintillation and luminescence properties. Journal of Crystal Growth, 2017, 457, 143-150.	1.5	4
20	Garnet Scintillators of Superior Timing Characteristics: Material, Engineering by Liquid Phase Epitaxy. Advanced Optical Materials, 2017, 5, 1600875.	7.3	19
21	Luminescence, scintillation, and energy transfer in SiO2 -Al2 O3 -B2 O3 -Gd2 O3 :Ce3+ ,Pr3+ glasses. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700072.	1.8	3
22	High efficiency laser action in mildly doped Yb:LuYAG ceramics. Optical Materials, 2017, 73, 312-318.	3.6	20
23	Luminescence and scintillation properties of Mg-codoped LuAG:Pr single crystals annealed in air. Journal of Luminescence, 2017, 181, 277-285.	3.1	37
24	Towards Bright and Fast Lu₃Al₅O₁₂:Ce,Mg Optical Ceramics Scintillators. Advanced Optical Materials, 2016, 4, 731-739.	7.3	87
25	First laser operation and spectroscopic characterization of mixed garnet Yb:LuYAG ceramics. , 2016, , .		1
26	Growth and scintillation properties of Li and Ce co-doped Lu3Al5O12 scintillator. Journal of Crystal Growth, 2016, 452, 85-88.	1.5	13
27	First laser emission of Yb_015:(Lu_05Y_05)_3Al_5O_12 ceramics. Optics Express, 2016, 24, 9611.	3.4	22
28	Spectroscopic and laser characterization of Yb_015:(Lu_xY_1-x)_3Al_5O_12 ceramics with different Lu/Y balance. Optics Express, 2016, 24, 17832.	3.4	18
29	Preparation and luminescence properties of ZnO:Ga â€“ polystyrene composite scintillator. Optics Express, 2016, 24, 15289.	3.4	56
30	Pr-doped Lu 3 Al 5 O 12 scintillation nanopowders prepared by radiation method. Journal of Luminescence, 2016, 179, 21-25.	3.1	4
31	Luminescence and scintillation properties of Lu3Al5O12 nanoceramics sintered by SPS method. Optical Materials, 2016, 53, 54-63.	3.6	14
32	Photoâ€•and radioluminescence of Dy³⁺â€doped oxide glass with highâ€Gd₂O₃ content. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 133-138.	1.8	1
33	Optical, luminescence and scintillation characteristics of non - stoichiometric LuAG:Ce ceramics. Journal of Luminescence, 2016, 169, 72-77.	3.1	24
34	Yb:Lu2SiO5crystal : characterization of the laser emission along the three dielectric axes. , 2015, , .		0
35	Co-doping effects on luminescence and scintillation properties of Ce doped Lu3Al5O12 scintillator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 782, 9-12.	1.6	21
36	Characterization of the lasing properties of a 5%Yb doped Lu_2SiO_5 crystal along its three principal dielectric axes. Optics Express, 2015, 23, 13210.	3.4	12

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37	Composition Tailoring in Ce-Doped Multicomponent Garnet Epitaxial Film Scintillators. Crystal Growth and Design, 2015, 15, 3715-3723.	3.0	41
38	Alkali earth co-doping effects on luminescence and scintillation properties of Ce doped Gd3Al2Ga3O12 scintillator. Optical Materials, 2015, 41, 63-66.	3.6	114
39	InGaN/GaN multiple quantum well for fast scintillation application: radioluminescence and photoluminescence study. Nanotechnology, 2014, 25, 455501.	2.6	33
40	Energy Transfer and Scintillation Properties of <formula formulatype="inline"><tex Notation="TeX">${hbox{Ce}}^{3+}$</tex></formula> Doped <formula formulatype="inline"><tex Notation="TeX">${hbox{(LuYGd)}}_{3}$</tex></formula><formula formulatype="inline"><tex Notation="TeX">${hbox{(AlGa)}}_{5}{hbox{O}}_{12}$</tex> </formula> Multicomponent Garnets. IEEE Transactions on Nuclear Science, 2014, 61, 282-289.	2.0	29
41	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
42	Defect Engineering in Ce-Doped Aluminum Garnet Single Crystal Scintillators. Crystal Growth and Design, 2014, 14, 4827-4833.	3.0	197
43	Luminescence of Tb3+-doped high silica glass under UV and X-ray excitation. Optical Materials, 2013, 35, 426-430.	3.6	33
44	Preparation and luminescent properties of ZnO:Ga(La)/polymer nanocomposite. Radiation Measurements, 2013, 56, 102-106.	1.4	7
45	Luminescent properties of RE2O3 (REâ€‰=â€‰Lu,â€‰Sc,â€‰Y) single crystals and ceramics*. European Physical Journal B, 2013, 86, 1.	1.5	6
46	Comparison of absorption, luminescence and scintillation characteristics in Lu1.95Y0.05SiO5:Ce,Ca and Y2SiO5:Ce scintillators. Optical Materials, 2013, 35, 1679-1684.	3.6	48
47	Luminescence of Tb³⁺â€doped oxide glasses with high Gd₂O₃ concentration under UV and Xâ€ray excitation. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 2578-2582.	1.8	19
48	Efficient X-Ray Phosphors Based on Non-Stoichiometric MeZrO${m }_{3}$ (Me${m }={m }$Ca, Sr,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.0	6
49	Luminescence and scintillation of Ce3+-doped high silica glass. Optical Materials, 2012, 34, 1762-1766.	3.6	55
50	Scintillation Properties of ${m Ce}^{3+}$- and ${m Pr}^{3+}$-Doped LuAG, YAG and Mixed ${m Lu}_{m x}{m Y}_{1-{m x}}{m AG}$ Garnet Crystals. IEEE Transactions on Nuclear Science, 2012, 59, 2120-2125.	2.0	47
51	Scintillation properties of Pr3+-doped lutetium and yttrium aluminum garnets: Comparison with Ce3+-doped ones. Optical Materials, 2011, 34, 424-427.	3.6	8
52	Crystal growth and luminescence properties of Ti-doped LiAlO2 for neutron scintillator. Journal of Crystal Growth, 2011, 318, 828-832.	1.5	34
53	Radiation induced synthesis of powder yttrium aluminium garnet. Radiation Physics and Chemistry, 2011, 80, 957-962.	2.8	15
54	Temperature dependence of luminescence characteristics of Lu2(1â^'x)Y2xSiO5:Ce3+ scintillator grown by the Czochralski method. Journal of Applied Physics, 2010, 108, .	2.5	66

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55	Ce3+-doped crystalline garnet films â€“ scintillation characterization using Î±-particle excitation. Radiation Measurements, 2010, 45, 369-371.	1.4	6
56	The Î±â€particle excited scintillation response of YAG:Ce thin films grown by liquid phase epitaxy. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 1494-1500.	1.8	29
57	Scintillation Response Comparison Among Ce-Doped Aluminum Garnets, Perovskites and Orthosilicates. IEEE Transactions on Nuclear Science, 2008, 55, 1142-1147.	2.0	15
58	Optical monitoring of quantum dots in NaCl:Pb crystal. Optical Materials, 2007, 30, 177-180.	3.6	0
59	Scintillation and optical properties of YAG:Ce films grown by liquid phase epitaxy. Radiation Measurements, 2007, 42, 533-536.	1.4	42
60	Ce3+-doped scintillators: status and properties of (Y,Lu) aluminium perovskites and garnets. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 271-275.	1.6	30
61	Photoluminescent properties of nanocrystallized zinc borosilicate glasses. Radiation Measurements, 2004, 38, 771-774.	1.4	34
62	Scintillation response of Ce-doped or intrinsic scintillating crystals in the range up to 1MeV. Radiation Measurements, 2004, 38, 353-357.	1.4	161