

Shuping Liu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of Mg ²⁺ co-doping on the scintillation performance of LuAG:Ce ceramics. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014, 8, 105-109.	2.4	142
2	Towards Bright and Fast Lu ₃ Al ₅ O ₁₂ :Ce,Mg Optical Ceramics Scintillators. <i>Advanced Optical Materials</i> , 2016, 4, 731-739.	7.3	87
3	O ²⁺ centers in LuAG:Ce,Mg ceramics. <i>Physica Status Solidi - Rapid Research Letters</i> , 2015, 9, 245-249.	2.4	35
4	Fabrication, microstructure and properties of highly transparent Ce ³⁺ :Lu ₃ Al ₅ O ₁₂ scintillator ceramics. <i>Optical Materials</i> , 2014, 36, 1973-1977.	3.6	25
5	Fabrication and Scintillation Performance of Nonstoichiometric LuAG:Ce Ceramics. <i>Journal of the American Ceramic Society</i> , 2015, 98, 510-514.	3.8	25
6	The radiation hardness of Pr:LuAG scintillating ceramics. <i>Ceramics International</i> , 2014, 40, 3715-3719.	4.8	24
7	Antisite defects in nonstoichiometric Lu ₃ Al ₅ O ₁₂ :Ce ceramic scintillators. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 1993-1999.	1.5	24
8	Optical, luminescence and scintillation characteristics of non - stoichiometric LuAG:Ce ceramics. <i>Journal of Luminescence</i> , 2016, 169, 72-77.	3.1	24
9	Influence of cerium doping concentration on the optical properties of Ce,Mg:LuAG scintillation ceramics. <i>Journal of the European Ceramic Society</i> , 2018, 38, 3246-3254.	5.7	23
10	Effect of Li ⁺ ions co-doping on luminescence, scintillation properties and defects characteristics of LuAG:Ce ceramics. <i>Optical Materials</i> , 2017, 64, 245-249.	3.6	22
11	Optical and scintillation properties of Gd ₂ O ₃ : Pr, Ce, F ceramics fabricated by spark plasma sintering. <i>Ceramics International</i> , 2015, 41, 2576-2581.	4.8	17
12	Composition and properties tailoring in Mg ²⁺ codoped non-stoichiometric LuAG:Ce,Mg scintillation ceramics. <i>Journal of the European Ceramic Society</i> , 2017, 37, 1689-1694.	5.7	17
13	Controlled size reduction of rare earth doped nanoparticles for optical quantum technologies. <i>RSC Advances</i> , 2018, 8, 37098-37104.	3.6	16
14	Defect Engineering for Quantum Grade Rare-Earth Nanocrystals. <i>ACS Nano</i> , 2020, 14, 9953-9962.	14.6	13
15	A Frequency-Multiplexed Coherent Electro-optic Memory in Rare Earth Doped Nanoparticles. <i>Nano Letters</i> , 2020, 20, 7087-7093.	9.1	11
16	Fabrication of Gd ₂ O ₃ : Pr, Ce, F Scintillation Ceramics by Pressureless Sintering in Nitrogen Atmosphere. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, E249.	2.1	8
17	Effect of reducing Lu ³⁺ content on the fabrication and scintillation properties of non-stoichiometric Lu _{3-x} Al ₅ O ₁₂ :Ce ceramics. <i>Optical Materials</i> , 2017, 63, 179-184.	3.6	6