

Maya Abdou

List of Publications by Year in descending order

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papers

636
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623734

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#	ARTICLE	IF	CITATIONS
1	Lanthanide-doped lanthanum hafnate nanoparticles as multicolor phosphors for warm white lighting and scintillators. <i>Chemical Engineering Journal</i> , 2020, 379, 122314.	12.7	99
2	Correlating Structure and Luminescence Properties of Undoped and Eu ³⁺ -Doped La ₂ Hf ₂ O ₇ Nanoparticles Prepared with Different Coprecipitating pH Values through Experimental and Theoretical Studies. <i>Inorganic Chemistry</i> , 2018, 57, 11815-11830.	4.0	61
3	Thermally Induced Disorder-Order Phase Transition of Gd ₂ Hf ₂ O ₇ :Eu ³⁺ Nanoparticles and Its Implication on Photo- and Radioluminescence. <i>ACS Omega</i> , 2019, 4, 2779-2791.	3.5	61
4	On structure and phase transformation of uranium doped La ₂ Hf ₂ O ₇ nanoparticles as an efficient nuclear waste host. <i>Materials Chemistry Frontiers</i> , 2018, 2, 2201-2211.	5.9	58
5	Thermal annealing effects on La ₂ Hf ₂ O ₇ :Eu ³⁺ nanoparticles: a curious case study of structural evolution and site-specific photo- and radio-luminescence. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2508-2521.	6.0	54
6	Effect of Molten Salt Synthesis Processing Duration on the Photo- and Radioluminescence of UV-, Visible-, and X-ray-Excitable La ₂ Hf ₂ O ₇ :Eu ³⁺ Nanoparticles. <i>ACS Omega</i> , 2018, 3, 7757-7770.	3.5	47
7	Samarium-Activated La ₂ Hf ₂ O ₇ Nanoparticles as Multifunctional Phosphors. <i>ACS Omega</i> , 2019, 4, 17956-17966.	3.5	44
8	Optical properties of undoped, Eu ³⁺ doped and Li ⁺ co-doped Y ₂ Hf ₂ O ₇ nanoparticles and polymer nanocomposite films. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 505-518.	6.0	43
9	On comparison of luminescence properties of La ₂ Zr ₂ O ₇ and La ₂ Hf ₂ O ₇ nanoparticles. <i>Journal of the American Ceramic Society</i> , 2020, 103, 235-248.	3.8	38
10	Roles of oxygen vacancies and pH induced size changes on photo- and radioluminescence of undoped and Eu ³⁺ -doped La ₂ Zr ₂ O ₇ nanoparticles. <i>Journal of Luminescence</i> , 2019, 209, 302-315.	3.1	36
11	Visible and ultraviolet upconversion and near infrared downconversion luminescence from lanthanide doped La ₂ Zr ₂ O ₇ nanoparticles. <i>Journal of Luminescence</i> , 2019, 214, 116591.	3.1	30
12	Li ⁺ co-doping induced phase transition as an efficient strategy to enhance upconversion of La ₂ Zr ₂ O ₇ :Er,Yb nanoparticles. <i>Journal of Luminescence</i> , 2020, 224, 117312.	3.1	24
13	Size, structure, and luminescence of Nd ₂ Zr ₂ O ₇ nanoparticles by molten salt synthesis. <i>Journal of Materials Science</i> , 2019, 54, 12411-12423.	3.7	19
14	Insight into the effect of A-site cations on structural and optical properties of RE ₂ Hf ₂ O ₇ :U nanoparticles. <i>Journal of Luminescence</i> , 2019, 210, 425-434.	3.1	16
15	Molten-Salt Synthesis of Complex Metal Oxide Nanoparticles. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	6