

Aihua Zhou

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Simultaneous size adjustment and upconversion luminescence enhancement of $\text{NaLuF}_4:\text{Yb}^{3+}/\text{Er}^{3+}, \text{Er}^{3+}/\text{Tm}^{3+}$ microcrystals by introducing Ca^{2+} for temperature sensing. CrystEngComm, 2018, 20, 225-235.	2.6	41
2	Color-tunable emission by adjusting sensitizer (Yb^{3+}) and excitation power of 980 nm in $\text{NaGdTiO}_4:\text{Yb}^{3+}/\text{Tm}^{3+}/\text{Er}^{3+}$ phosphors for light emitting diodes. Journal of Luminescence, 2018, 194, 225-230.	3.1	32
3	Optical thermometry using fluorescence intensities multi-ratios in $\text{NaGdTiO}_4:\text{Yb}^{3+}/\text{Tm}^{3+}$ phosphors. Optical Materials, 2018, 78, 438-444.	3.6	20
4	Simultaneous tunable fluorescence lifetime and upconversion luminescence enhancement of $\text{NaLuF}_4:\text{Er}^{3+}/\text{Yb}^{3+}$ microcrystals through heavily doped KF for multiplexing. Journal of Luminescence, 2021, 231, 117796.	3.1	18
5	Room-temperature ultrafast synthesis, morphology and upconversion luminescence of $\text{K}_{0.3}\text{Bi}_{0.7}\text{F}_{2.4}:\text{Yb}^{3+}/\text{Er}^{3+}$ nanoparticles for temperature-sensing application. CrystEngComm, 2020, 22, 7066-7074.	2.6	17
6	Efficient solid-state and dual-mode photoluminescence of carbon-dots/ NaLuF_4 microcrystals for multifunctional applications. Journal of Alloys and Compounds, 2019, 775, 457-465.	5.5	14
7	Sequential Growth of Uniform $\text{NaYF}_4@ \text{NaLnF}_4$ ($\text{Ln} = \text{Y}, \text{Lu}, \text{Yb}$) Microcrystals with Luminescent Properties of Multicolor Tuning and Dual-Mode Emission. Nanomaterials, 2017, 7, 448.	4.1	8
8	INFLUENCE OF POLYPEPTIDES AND PROTEINS ON ELECTROFUSION OF HUMAN CANCER CELLS. Electromagnetic Biology and Medicine, 2000, 19, 321-329.	0.4	4
9	Tunable red-to-green emission ratio and temperature sensing properties of $\text{NaLuF}_4:\text{Ho}^{3+}/\text{Yb}^{3+}$ microcrystals by doping with Ce^{3+} ions. CrystEngComm, 2020, 22, 6831-6837.	2.6	4