

Electronic Supplementary Material (ESI) for Journal of RSC Advances.

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Supporting information

Synthesis, structure and luminescent properties of a new blue-green-emitting garnet phosphor $\text{Ca}_2\text{LuScZrAl}_2\text{GeO}_{12}:\text{Ce}^{3+}$

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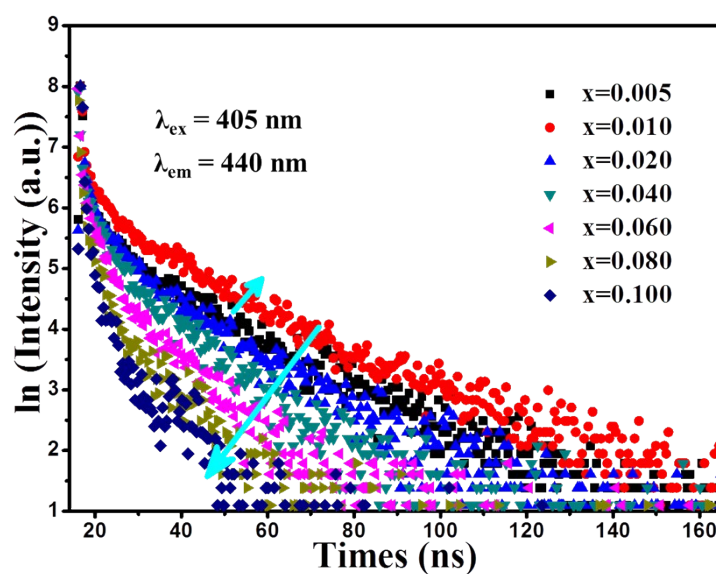


Fig. S1 Decay curves of $\text{Ca}_{2-x}\text{LuZrScAl}_2\text{GeO}_{12}:\text{xCe}^{3+}$ phosphor with varying Ce^{3+} concentrations ($\lambda_{\text{em}} = 440 \text{ nm}$).

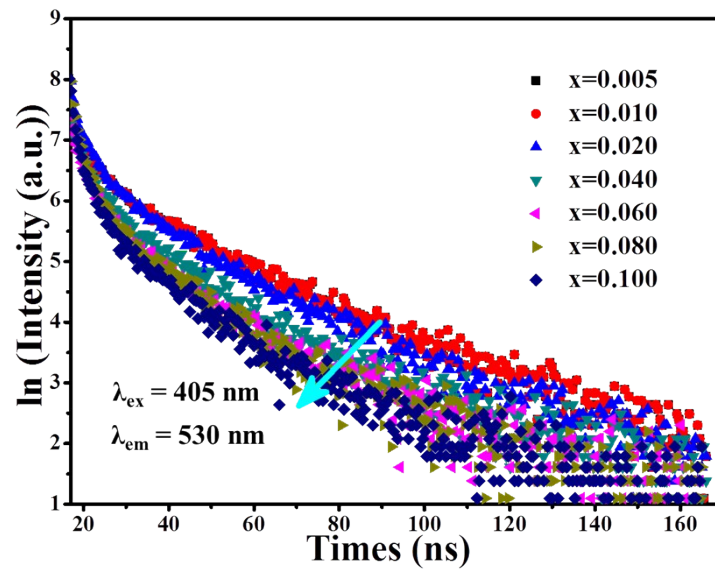


Fig. S2 Decay curves of $\text{Ca}_{2-x}\text{LuZrScAl}_2\text{GeO}_{12}:x\text{Ce}^{3+}$ phosphor with varying Ce^{3+} concentrations ($\lambda_{em} = 530 \text{ nm}$).