

Supplementary Information

Photoluminescence Properties of Europium-Activated Double Layered Perovskite $\text{Sr}_3\text{Ti}_2\text{O}_7$ for High-Quality Lighting Applications

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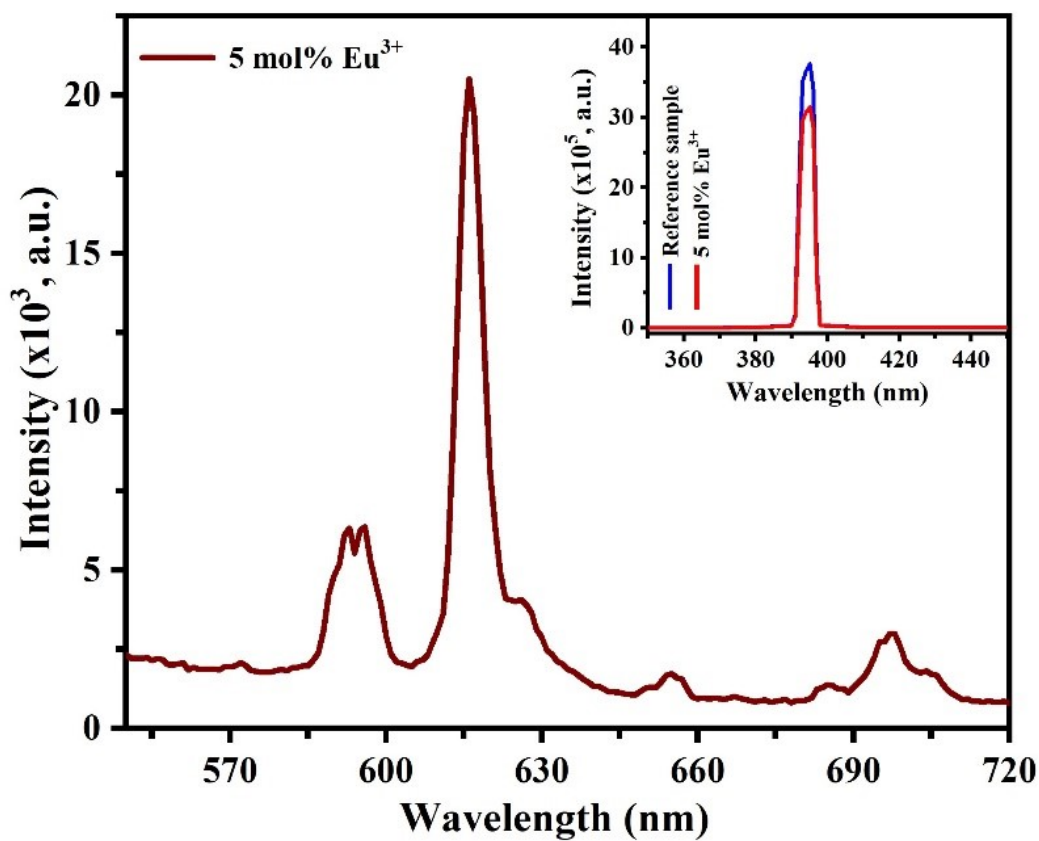


Figure. S1. PL emission spectra of 5 mol% Eu^{3+} doped $\text{Sr}_3\text{Ti}_2\text{O}_7$: phosphor using 395 UV light. Inset of figure shows comparison of reference sample and $\text{Sr}_3\text{Ti}_2\text{O}_7$: 5 mol% Eu^{3+} sample.

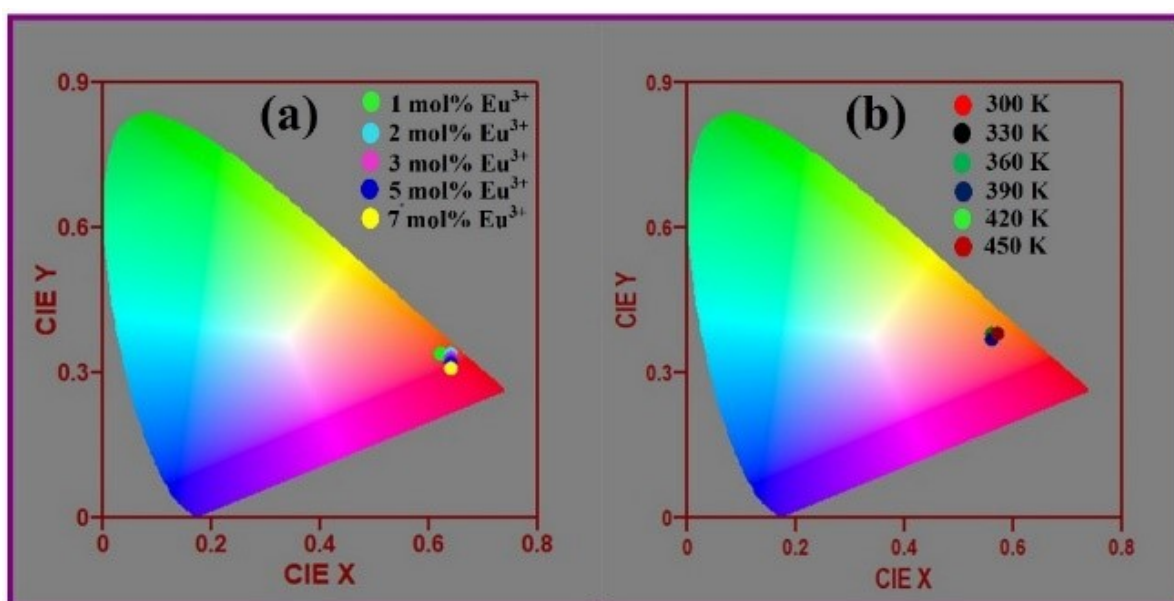


Figure S2 (a) CIE chromaticity diagram of $\text{Sr}_3\text{Ti}_2\text{O}_7$ phosphor doped with various concentration of Eu^{3+} **(b)** CIE chromaticity diagram of 5 mol% Eu^{3+} doped $\text{Sr}_3\text{Ti}_2\text{O}_7$ phosphor at different temperatures.