

Supporting Information

Monoclinic Er^{3+} -doped Y_2O_3 Phosphor: Advancing Ratiometric Optical Temperature Sensing Beyond the Cubic Phase

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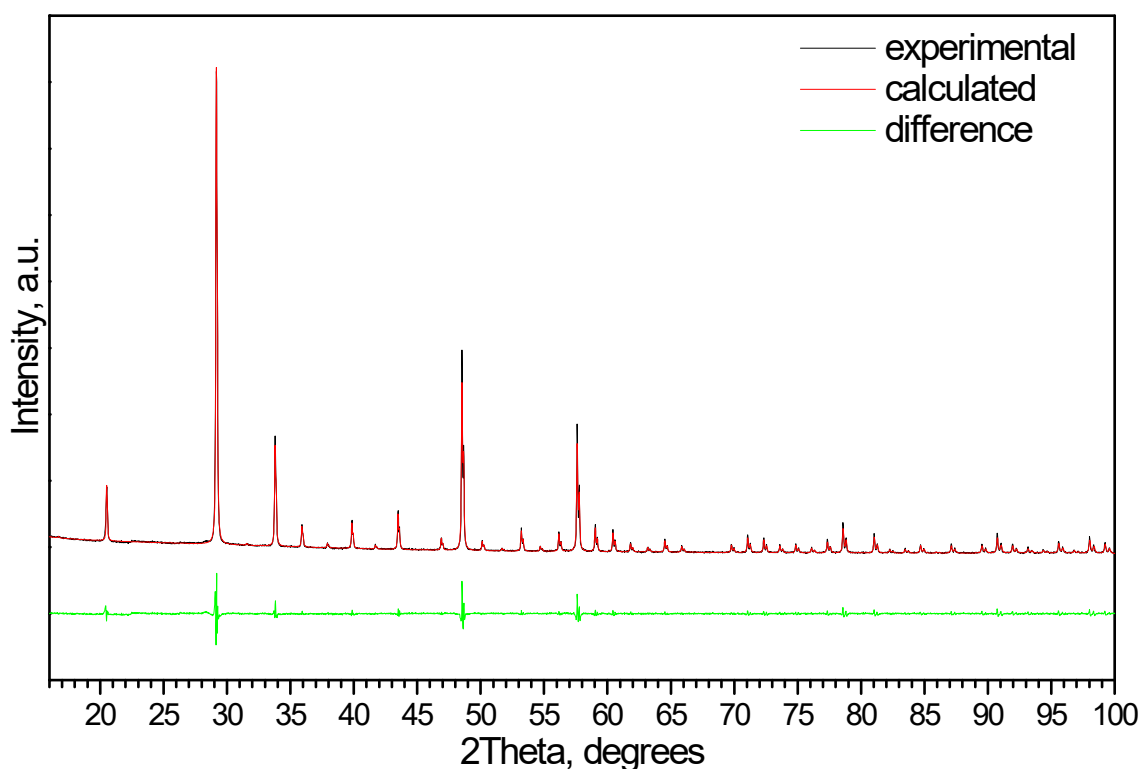


Figure S1. Rietveld analysis of XRD pattern of cubic $\text{Y}_2\text{O}_3:\text{Er}^{3+}$ sample.

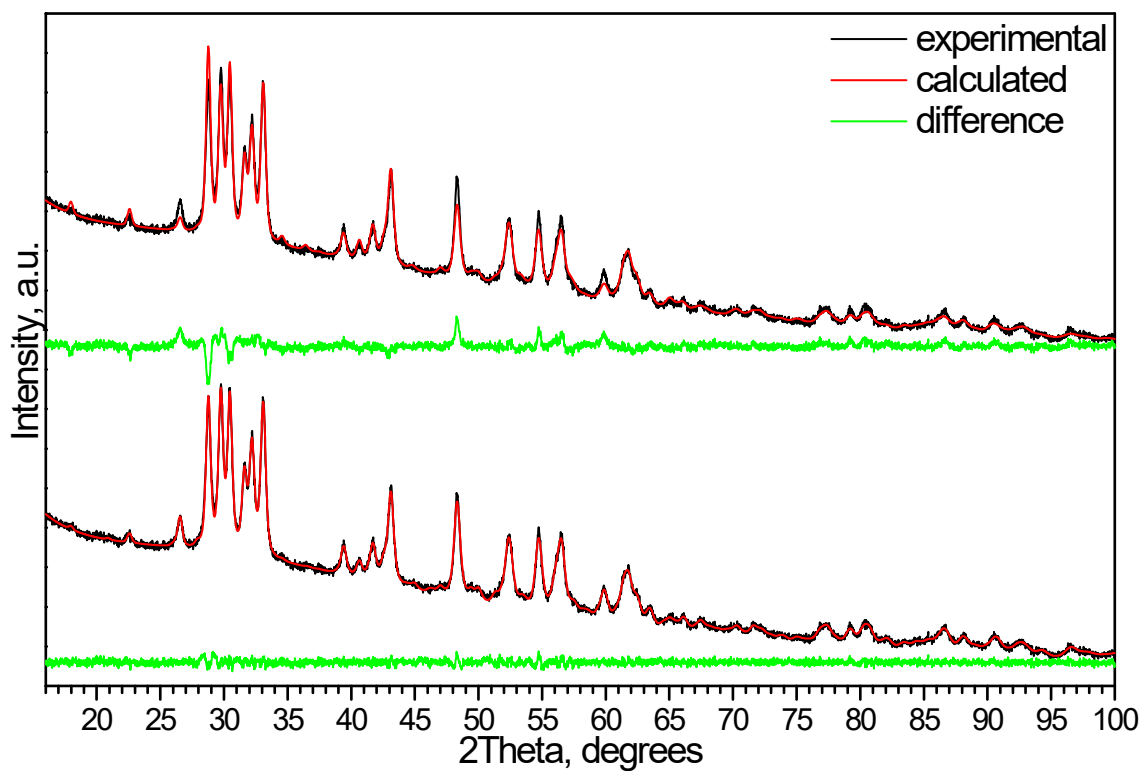


Figure S2. Rietveld analysis of XRD pattern of monoclinic $\text{Y}_2\text{O}_3:\text{Er}^{3+}$ sample. Top and bottom: without and with refinement of occupancies of cationic positions.