

White light emitting ZnO:Dy³⁺ nanophosphors: Delving into the spectroscopic parameters via Judd-Ofelt analysis

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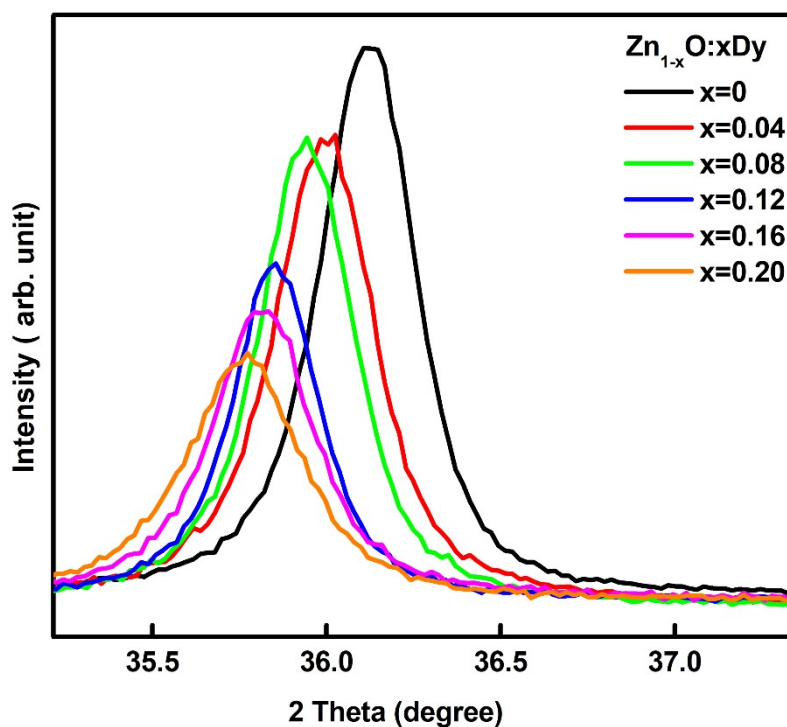


Fig. S1. Shift of XRD peak (101) with Dy content (0.04-0.20 at.%)

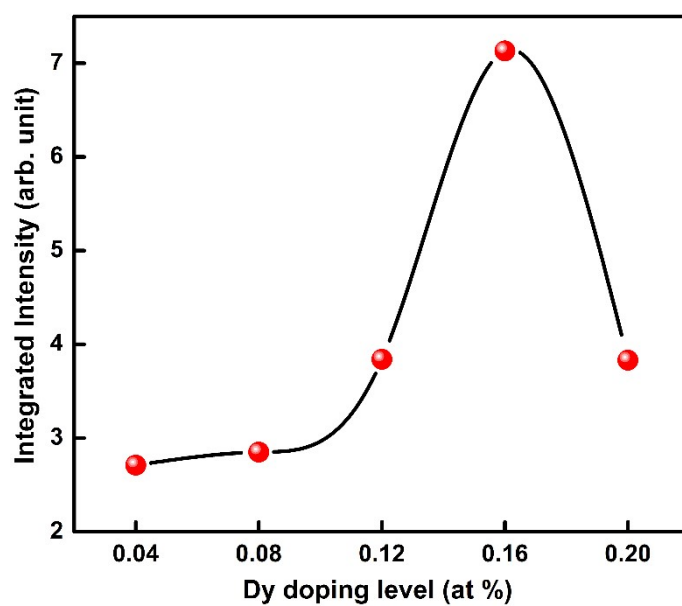


Fig S2. Variation of Integrated emission intensity with Dy content

Calculation of correlated color temperature (CCT)

The correlated color temperature is calculated using McCamy method [42]:

$$CCT = 449n^3 + 3525n^2 + 6853.3n + 5520.33$$

where $n = (x - x_e)/(y - y_e)$, (x_e, y_e) is found to be (0.3320, 0.1858), (x, y) are the color coordinates.