

## Supporting Information

### Synthesis of Efficient Submicron $\gamma$ - AlON Mn<sup>2+</sup>, Mg<sup>2+</sup>

### Phosphors for Mini-LED by Coprecipitation Precursor

### Method

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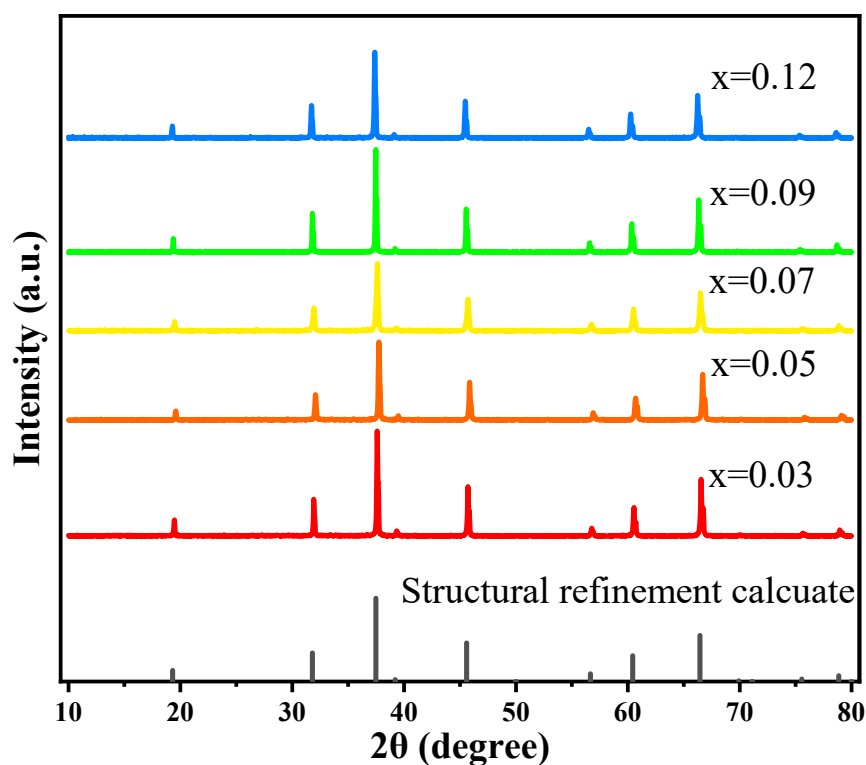


Fig S1. X-ray powder diffraction patterns of  $\gamma$ -AlON: $x$ Mn<sup>2+</sup>

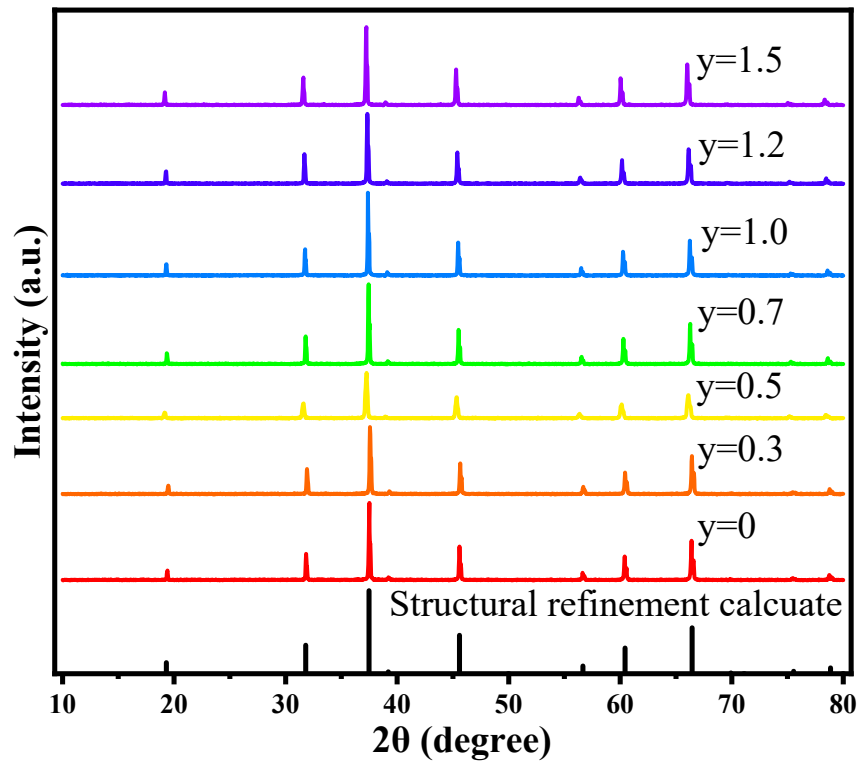


Fig S2. X-ray powder diffraction patterns of  $\gamma$ -AlON:0.07Mn<sup>2+</sup>, $y$ Mg<sup>2+</sup>

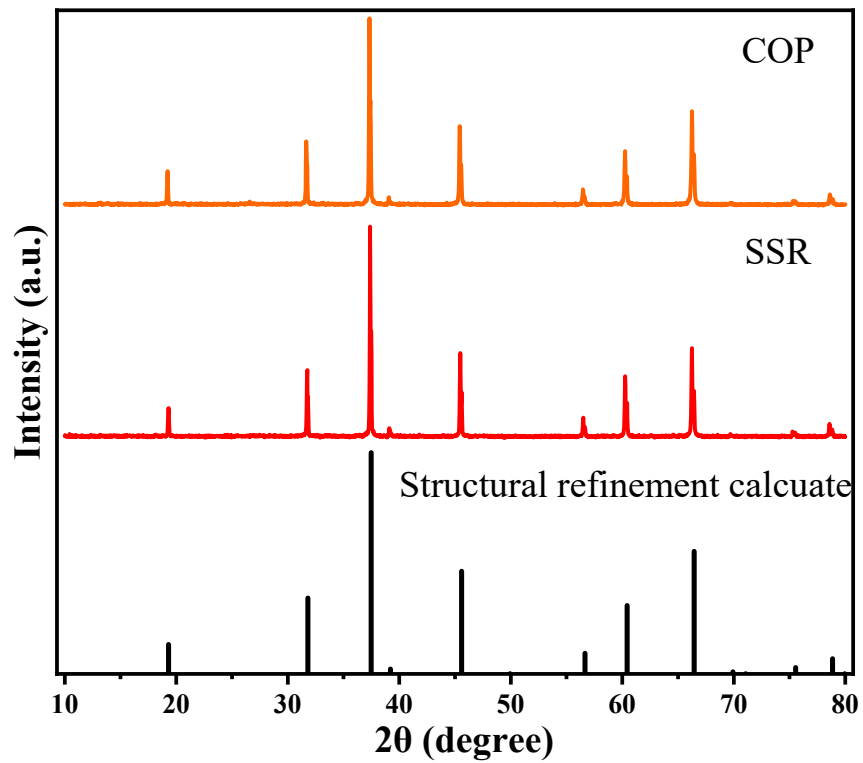


Fig S3. X-ray powder diffraction patterns of SSR and COP

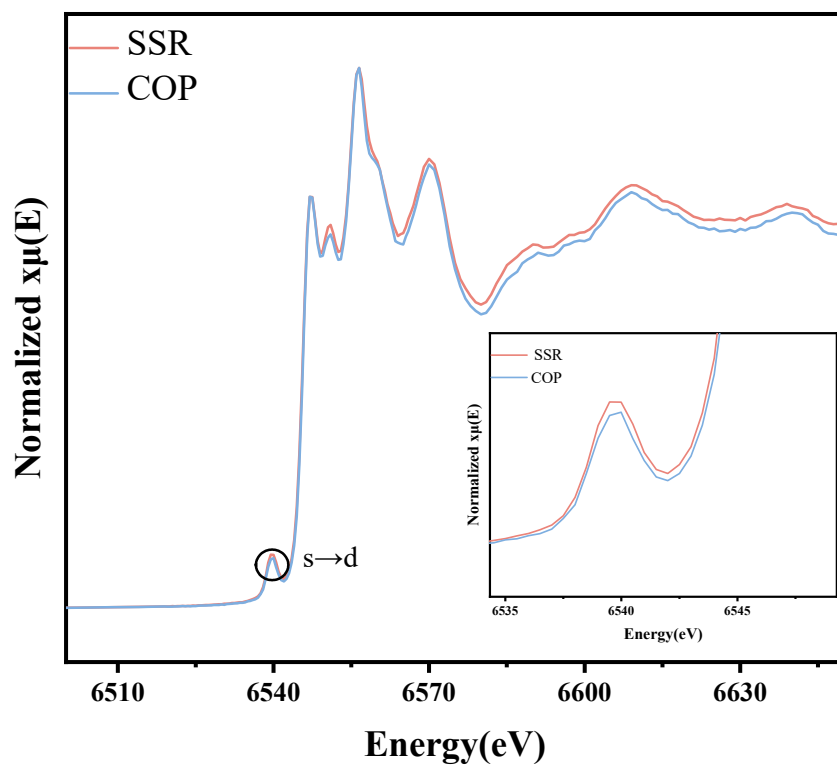


Fig S4. The XANES data of SSR and COP samples