

## **Supporting Information**

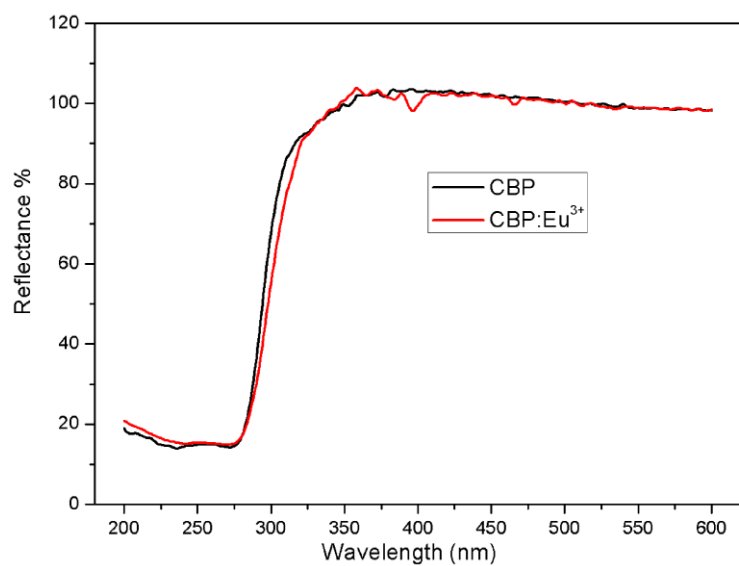
**Title:** Synthesis, Structure and Photoluminescence Properties of Europium-, Terbium-, and Thulium- Doped  $\text{Ca}_3\text{Bi}(\text{PO}_4)_3$  Phosphors

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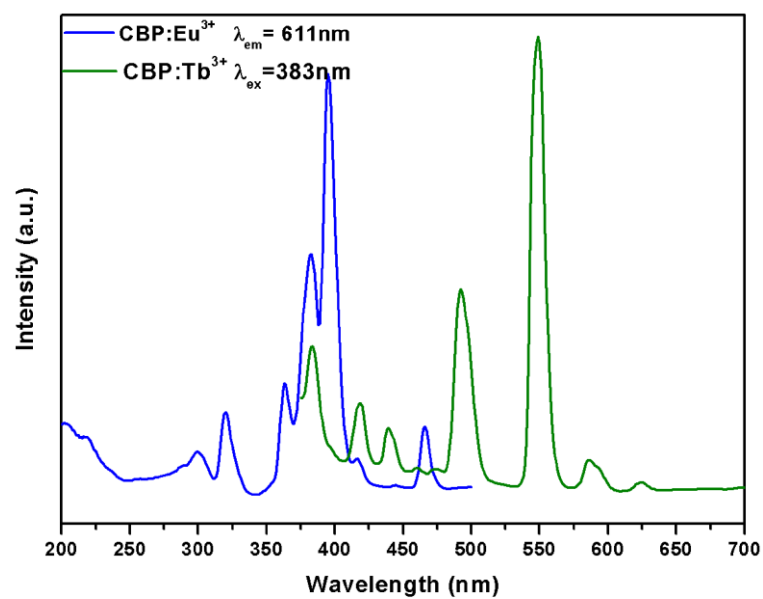
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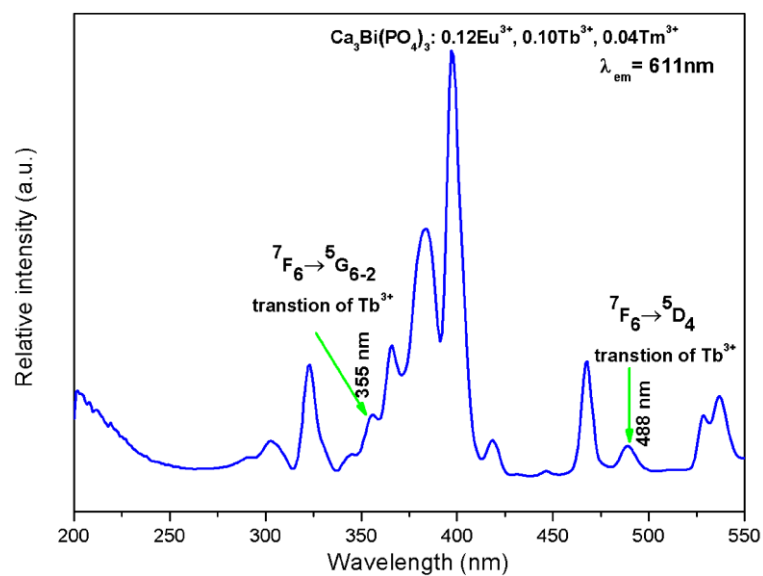
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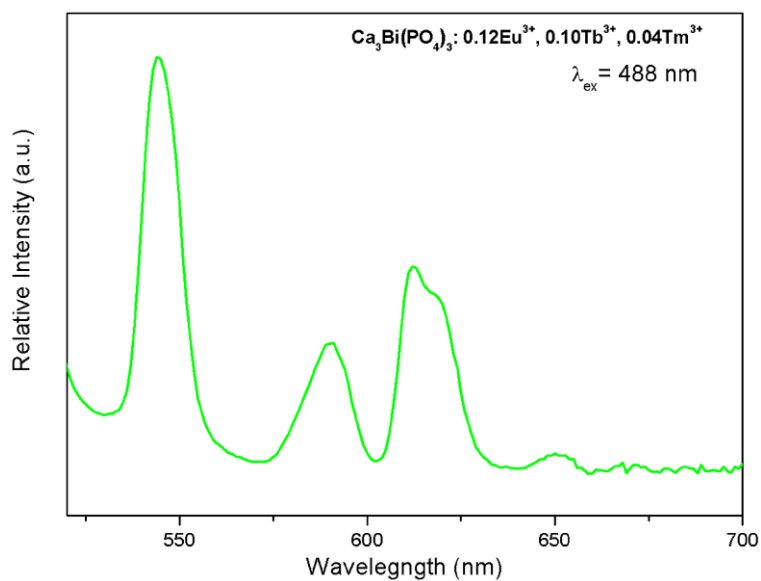
**Figure S1.** Diffuse-reflectance spectra of CBP and CBP:Eu<sup>3+</sup>



**Figure S2.** The spectral overlap between the PL spectrum of CBP:Tb<sup>3+</sup> and PLE spectrum of CBP:Eu<sup>3+</sup> phosphor



**Figure S3.** The excitation spectrum of  $\text{CBP}: 0.12\text{Eu}^{3+}, 0.10\text{Tb}^{3+}, 0.04\text{Tm}^{3+}$  sample monitored at 611 nm



**Figure S4.** The emission spectrum of  $\text{CBP}: 0.12\text{Eu}^{3+}, 0.10\text{Tb}^{3+}, 0.04\text{Tm}^{3+}$  sample at the excitation of 488nm