

Supporting Information

Well-designed Sunlight-like Bi³⁺-activated White-light Phosphor for General Lighting

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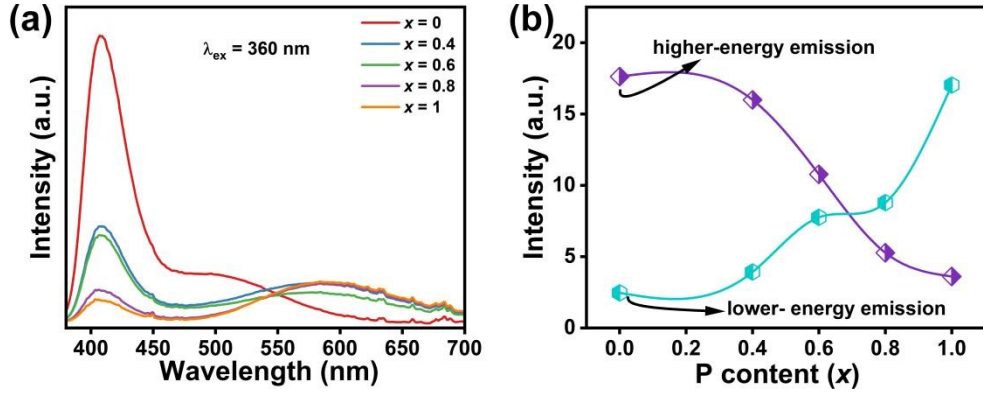


Fig. S1 (a) PL spectra of $\text{BaYB}_{5-x}\text{P}_x:\text{Bi}^{3+}$ ($0 \leq x \leq 1$) under 360 nm excitation. (b) The higher-/lower-energy emission intensity as function of P^{5+} content.

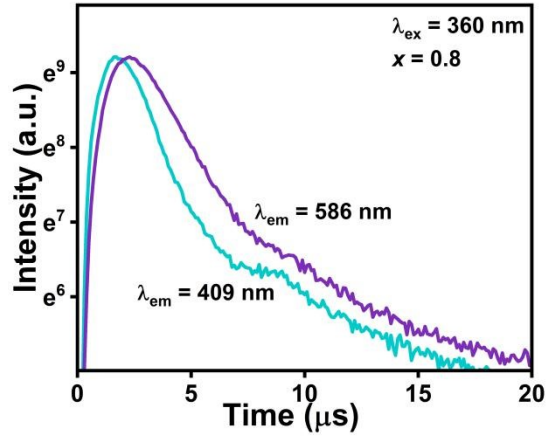


Fig. S2 The lifetime decay curves for Bi^{3+} in the $\text{BaYB}_{4.2}\text{P}_{0.8}:\text{Bi}^{3+}$ phosphor excited at 360 nm and monitored at 409 and 586 nm.