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Supporting Information

Title: A Tunable Single-Component Warm-White-Light $\text{Sr}_3\text{Y}(\text{PO}_4)_3:\text{Eu}^{2+},\text{Mn}^{2+}$
Phosphor for White-Light-Emitting Diodes

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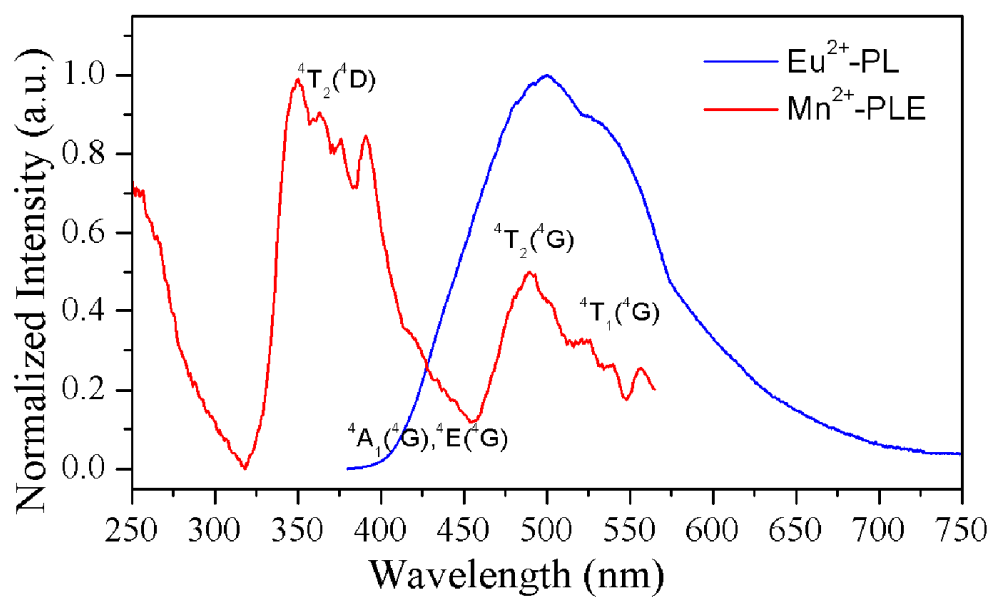


Figure S1. Spectral overlap between the normalized PL spectrum of SYP:0.01Eu²⁺ and the PLE spectrum of SYP:0.04Mn²⁺.

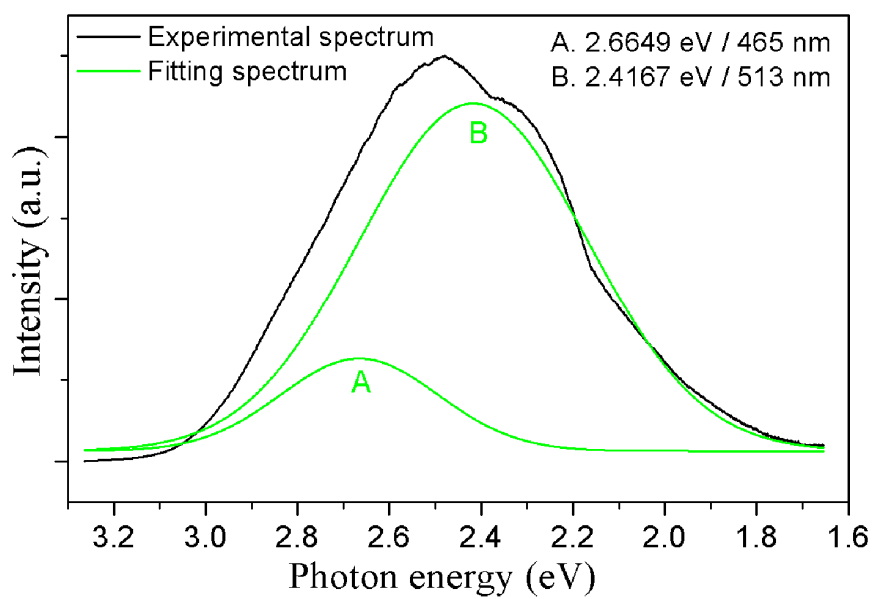


Figure S2. The emission spectrum of SYP:0.01Eu²⁺ and its Gaussian components on an energy scale.

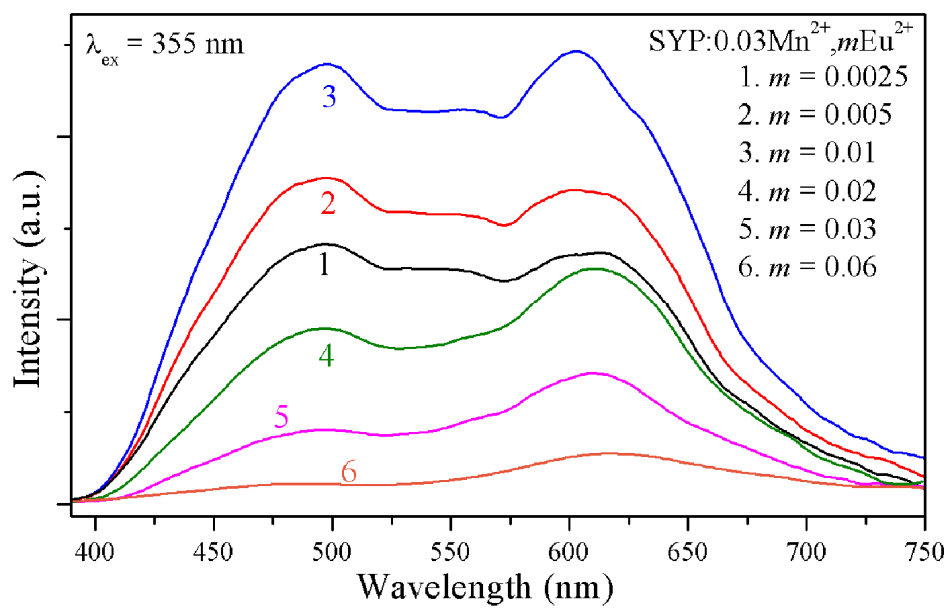


Figure S3. The PL spectra for SYP:0.03Mn²⁺,mEu²⁺ phosphors on Eu²⁺ doping content (m) excited at 355 nm.

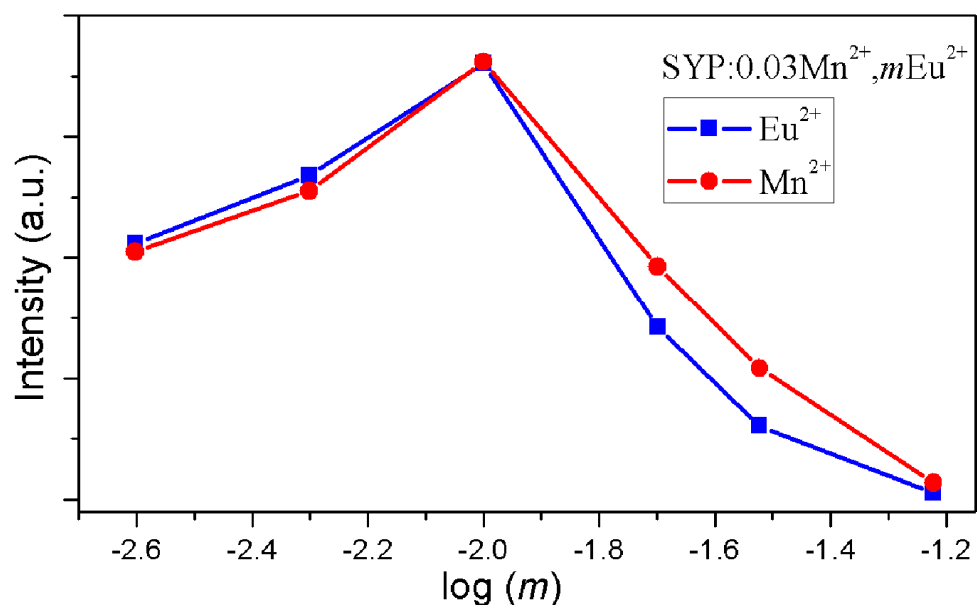


Figure S4. The dependence of the emission intensity on Eu²⁺ content m in

SYP:0.03Mn²⁺, m Eu²⁺.