Supporting Information

**Title:** A Tunable Single-Component Warm-White-Light Sr₃Y(PO₄)₃:Eu²⁺,Mn²⁺ Phosphor for White-Light-Emitting Diodes

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Figure S1. Spectral overlap between the normalized PL spectrum of SYP:0.01Eu$^{2+}$ and the PLE spectrum of SYP:0.04Mn$^{2+}$. 
Figure S2. The emission spectrum of SYP:0.01Eu$^{2+}$ and its Gaussian components on an energy scale.
Figure S3. The PL spectra for SYP:0.03Mn$^{2+}$,mEu$^{2+}$ phosphors on Eu$^{2+}$ doping content (m) excited at 355 nm.
Figure S4. The dependence of the emission intensity on Eu\textsuperscript{2+} content $m$ in SYP:0.03Mn\textsuperscript{2+},$m$Eu\textsuperscript{2+}. 

![Graph showing the dependence of emission intensity on Eu\textsuperscript{2+} content](image)