

Supplementary Information

Preparation of $\text{Ca}_2\text{HfSi}_4\text{O}_{12}:\text{Ce}^{3+}$, Tb^{3+} Green Phosphor with High Quantum Efficiency and Luminous Thermal Stability for WLEDs

Application

Jiaqi Zhang^a, Zhiyu Qin^a, Langping Dong^a, Jingshan Hou^a,

Yongzheng Fang^{a*}

^a Faculty of Materials Technology, Shanghai Institute of Technology, Shanghai, 201418, China.

* Corresponding author.

E-mail address: lpdong@sit.edu.cn (L. P. D.); houjingshan@sit.edu.cn (J. S. H.); fyz1003@sina.com (Y. Z. F.).

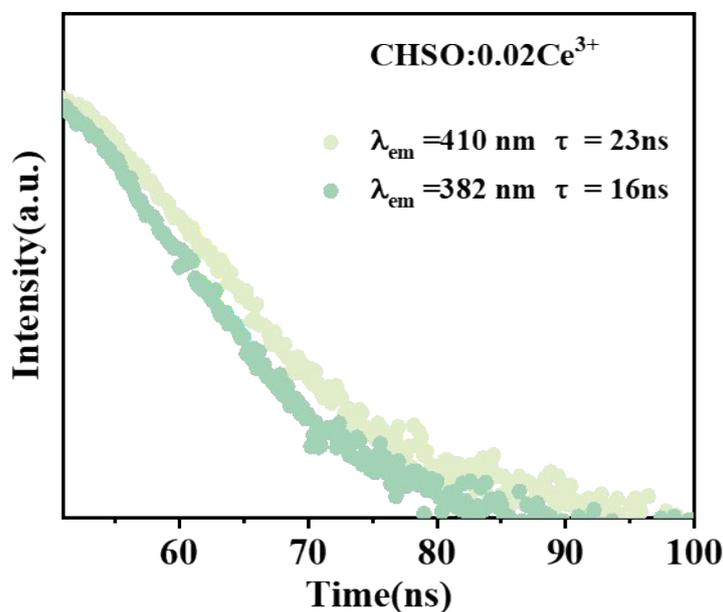


Fig. S1. Decay curves of $\text{CHSO}:\text{0.02Ce}^{3+}$ sample at different emission wavelengths (382 and 410 nm).

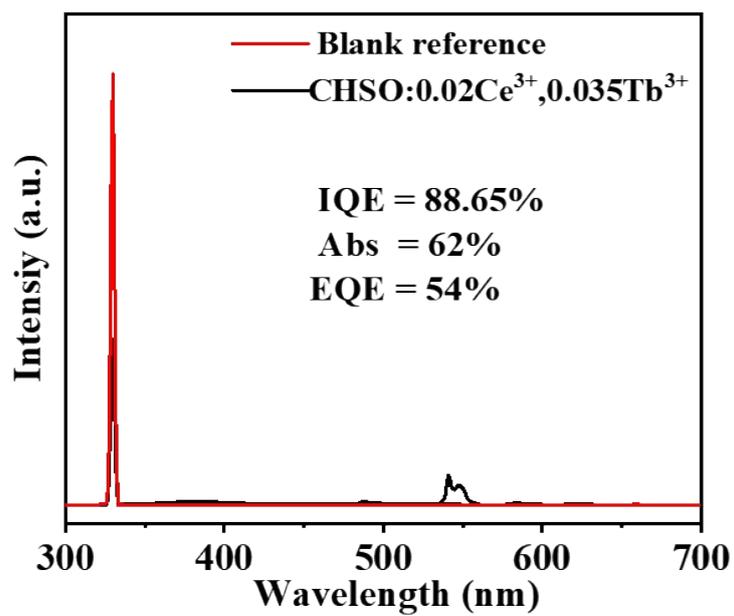


Fig. S2. Quantum efficiency of CHSO:0.02Ce³⁺,0.035Tb³⁺.