

Supplemental Figure 1

PLE spectra of prepared in Ar from $\text{Zn}_2\text{P}_2\text{O}_7$, P_2O_5 , $(\text{NH}_4)_2\text{HPO}_4$, and 0.1mol% C-added $(\text{NH}_4)_2\text{HPO}_4$ starting materials. The starting material did not affect the oxidation of Sn^{2+} during the melting process in inert atmosphere. Inset shows energy level diagram of Sn^{2+} center in the glasses

