

Supporting information

A novel tunable blue-green-emitting $\text{CaGdGaAl}_2\text{O}_7\text{:Ce}^{3+},\text{Tb}^{3+}$
phosphor via energy transfer for UV-excited white LEDs

Chao Liang, Hongpeng You, Yibing Fu, Xiaoming Teng, Kai Liu, and Jinhua He*

Jiangsu Bree Optronics Co. Ltd, Nanjing 211103, China

Figure S1

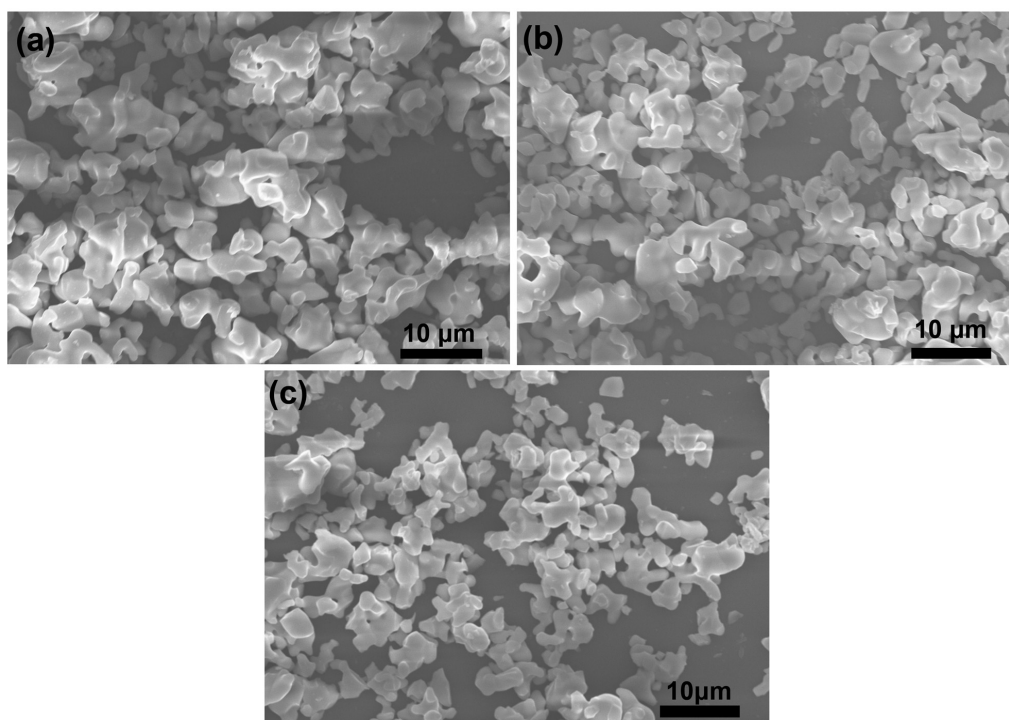


Figure S1. SEM images of (a) $\text{CaGdGaAl}_2\text{O}_7$, (b) $\text{CaGdGaAl}_2\text{O}_7:0.08\text{Ce}^{3+}$, (c)

$\text{CaGdGaAl}_2\text{O}_7:0.04\text{Ce}^{3+},0.12\text{Tb}^{3+}$ samples.

Figure S2

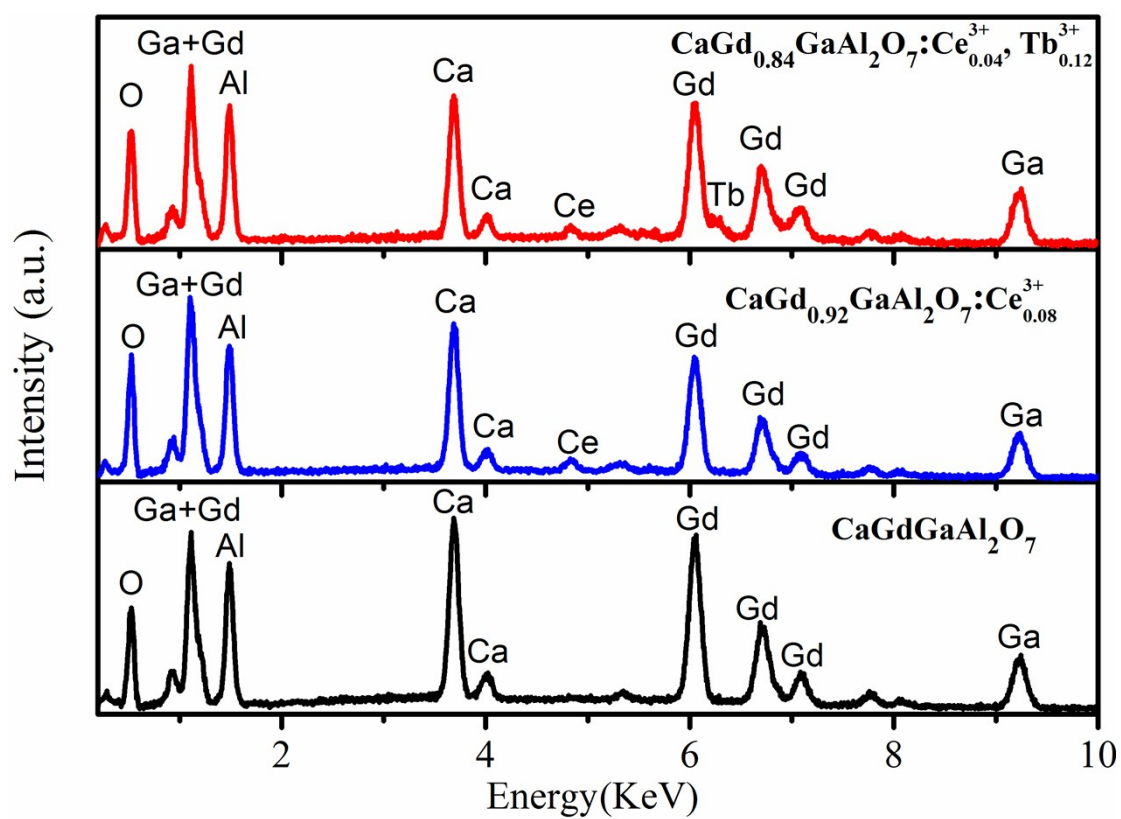


Figure S2. EDS pattern of (a) (a) CaGdGaAl₂O₇, (b) CaGdGaAl₂O₇:0.08Ce³⁺, (c)

CaGdGaAl₂O₇:0.04Ce³⁺, 0.12Tb³⁺ powders.