

Supporting information

Highly efficient red-emitting $\text{Ca}_2\text{YSbO}_6:\text{Eu}^{3+}$ double perovskite phosphors for warm WLEDs

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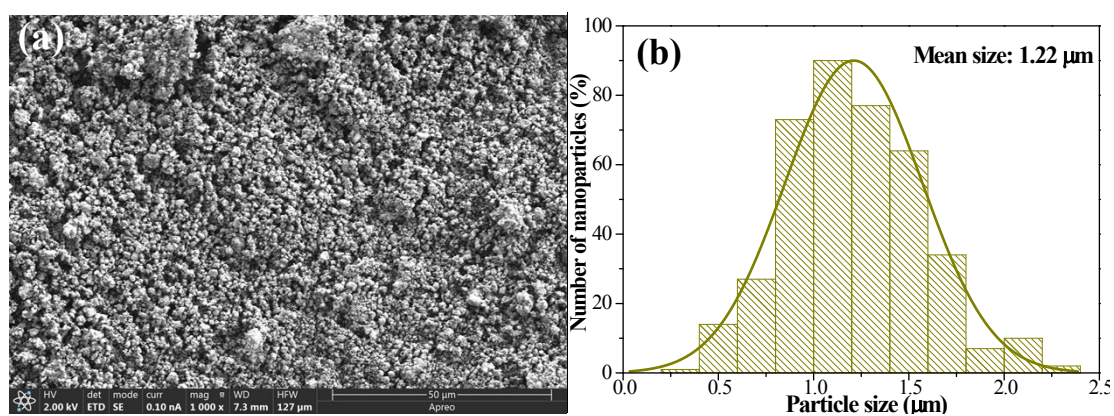


Fig. S1 (a) SEM image of $\text{Ca}_2\text{Y}_{0.3}\text{SbO}_6:0.7\text{Eu}^{3+}$ sample and (b) the corresponding size distribution image.

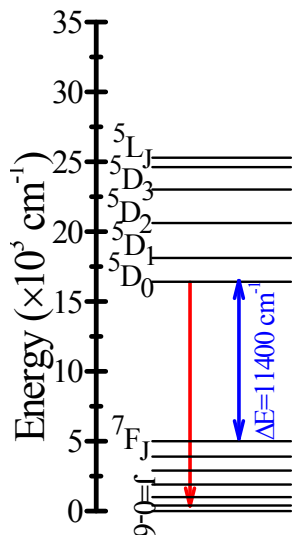


Fig. S2 The schematic energy level diagram of Eu^{3+} .

Table S1 Lattice parameters of $\text{Ca}_2\text{YSbO}_6:0.1\text{Eu}^{3+}$ sample

Formula	$\text{Ca}_2\text{YSbO}_6:0.1\text{Eu}^{3+}$
Crystal system	Monoclinic
Space group	$P2_1/n$ (14)
a (Å)	5.611
b (Å)	5.806
c (Å)	8.057
V (Å ³)	262.48
Chi^2	1.845
R_p	8.63%
R_{wp}	11.29%
R_e	6.12%