

An efficient blue-excitable broadband $\text{Y}_3\text{ScAl}_4\text{O}_{12}:\text{Ce}^{3+}$ garnet phosphor for WLEDs

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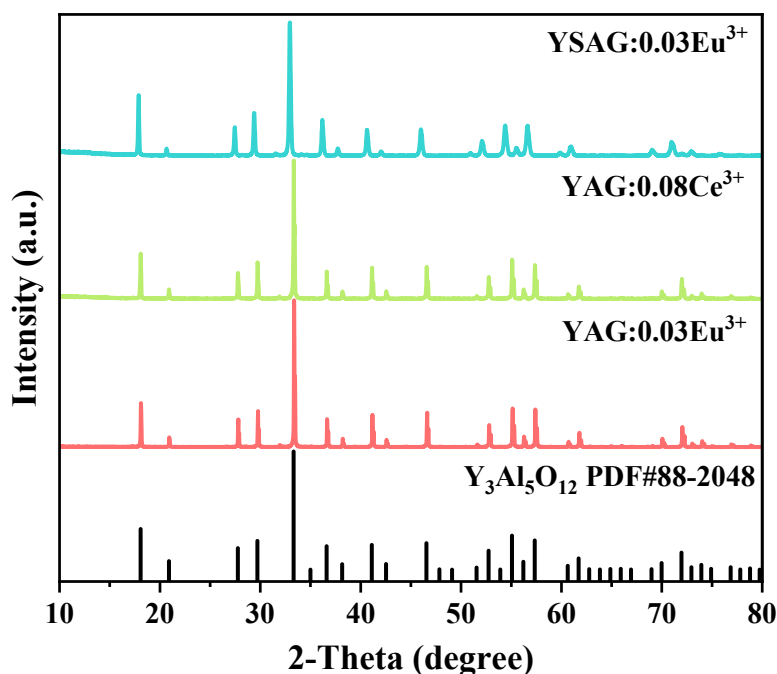


Figure S1. XRD patterns of the YSAO:0.03Eu³⁺, YAG:0.03Eu³⁺ and YAG:0.08Ce³⁺.

Table S1. Bond lengths in YAG:0.08Ce³⁺ and YSAO:0.08Ce³⁺.

Sampls	Y-O1 (Å)	Y-O2 (Å)	(Sc/Al1)-O (Å)	Al2-O (Å)
YAG:0.08Ce ³⁺	2.43	2.30	1.91	1.77
YSAO:0.08Ce ³⁺	2.46	2.36	2.06	1.67

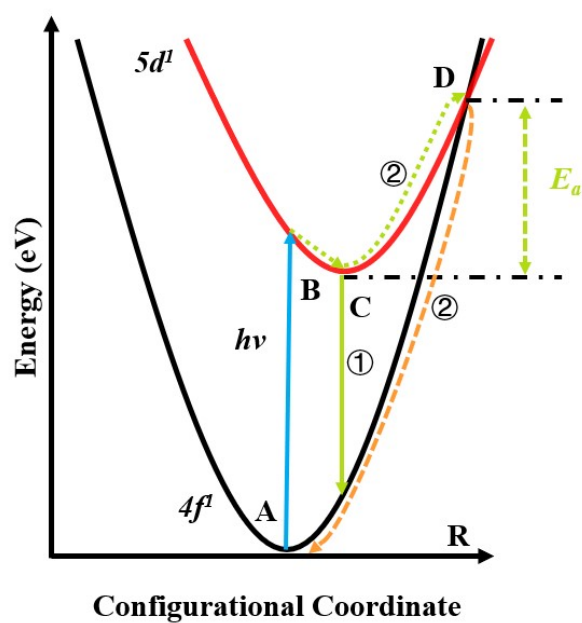


Figure S2. Configuration coordinate chart.