

Supplementary information

Structural evolution and spectral blue shift of solid solution

phosphors $\text{Sr}_{3-m}\text{Ca}_m\text{B}_2\text{O}_6$: Eu^{2+}

Zhongxian Qiu^{ab}, Hongzhou Lian^a, Mengmeng Shang^a, Shixun Lian^{*b} and Jun Lin^{*a}

^a State Key Laboratory of Rare Earth Resource Utilization, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun 130022, P. R. China. Email: jlin@ciac.ac.cn

^b Key Laboratory of Chemical Biology & Traditional Chinese Medicine Research (Ministry of Education), College of Chemistry and Chemical Engineering, Hunan Normal University, Changsha, Hunan 410081, People's Republic of China. E-mail: sxlian@hunnu.edu.cn

S1 The CIE chromaticity diagram of the solid solution phosphors $\text{Sr}_{2.96-m}\text{Ca}_m\text{B}_2\text{O}_6$: 0.04Eu^{2+} .

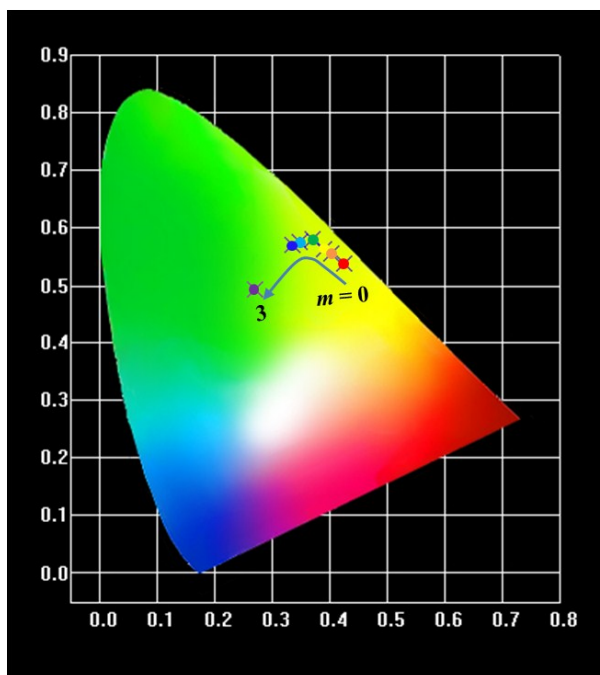


Fig. S1 The CIE chromaticity diagram of $\text{Sr}_{2.96-m}\text{Ca}_m\text{B}_2\text{O}_6$: 0.04Eu^{2+} .