

Synthesis and improved photoluminescence of a novel red phosphor

LiSrGaF₆:Mn⁴⁺ for application in warm WLEDs

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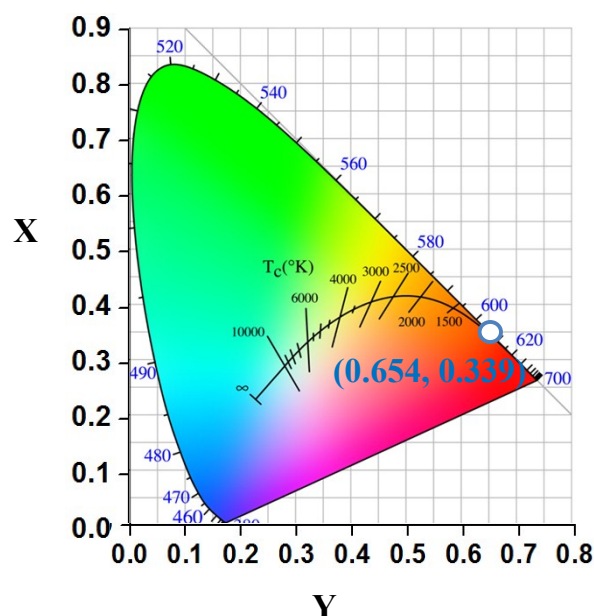


Figure S1 Commission International de l'Eclairage CIE chromaticity coordinates for LiSrGaF₆:Mn⁴⁺ phosphor.

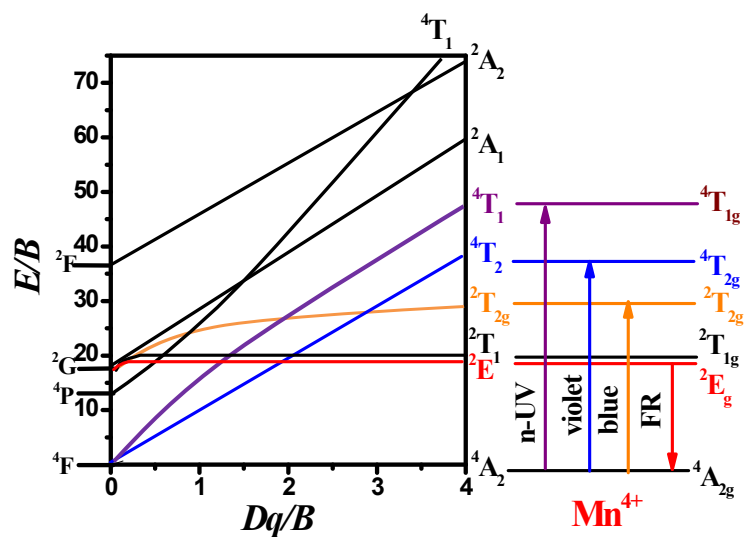


Figure S2 Energy level and electron transitions schematic diagram of Mn^{4+} in $LiSrGaF_6$ matrix

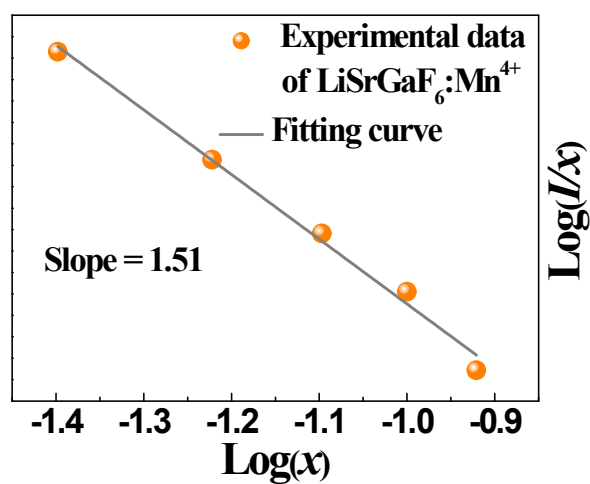


Figure S3 The relationship between $\log(x)$ versus $\log(I/x)$ in the phosphor $LiSrGaF_6:Mn^{4+}$. (Note: x is the ratio of $K_2MnF_6/LiSrGaF_6$)