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Electronic Supplementary Information

Color Tuning in Thermally Stable Sm^{3+} -Activated CaWO_4 Nanophosphors

Maheshwary^a, B. P. Singh^b and R. A. Singh^{a*}

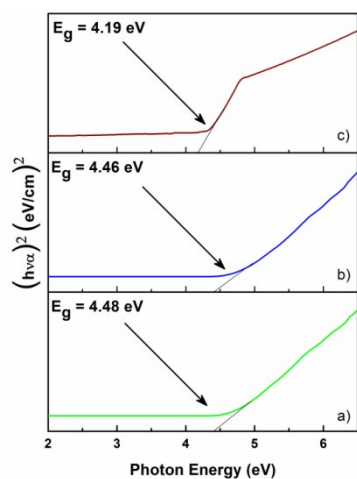


Fig. S1 Plot of $(\alpha h\nu)^2$ vs $h\nu$ curve for 800 °C annealed (a) 2 at. %, (b) 7 at. % and (c) 10 at. % Sm^{3+} -doped CaWO_4 nanophosphors.

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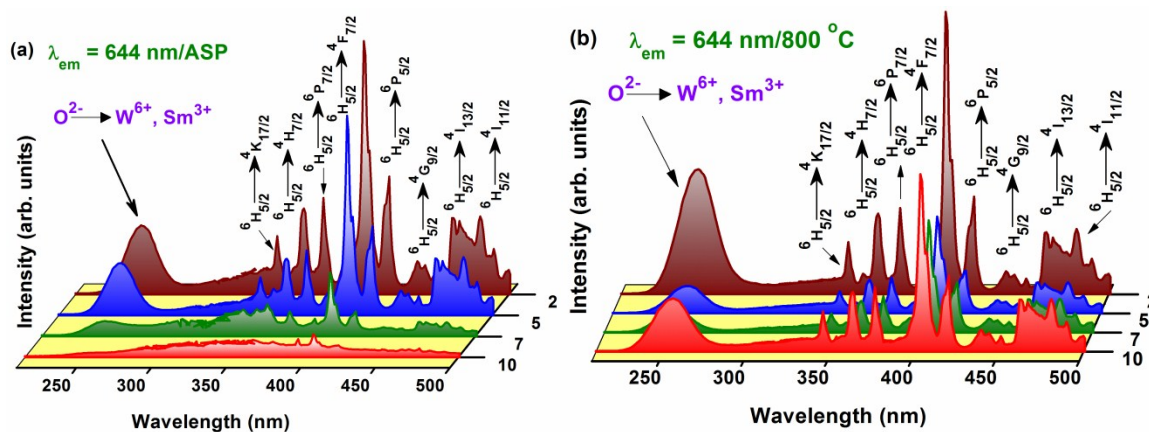


Fig. S2 Excitation spectra of (a) as-prepared, (b) 800 °C annealed Sm^{3+} ($\text{Sm}^{3+} = 2, 5, 7$ and 10 at.%) doped CaWO_4 nanoparticles under 644 nm excitation.

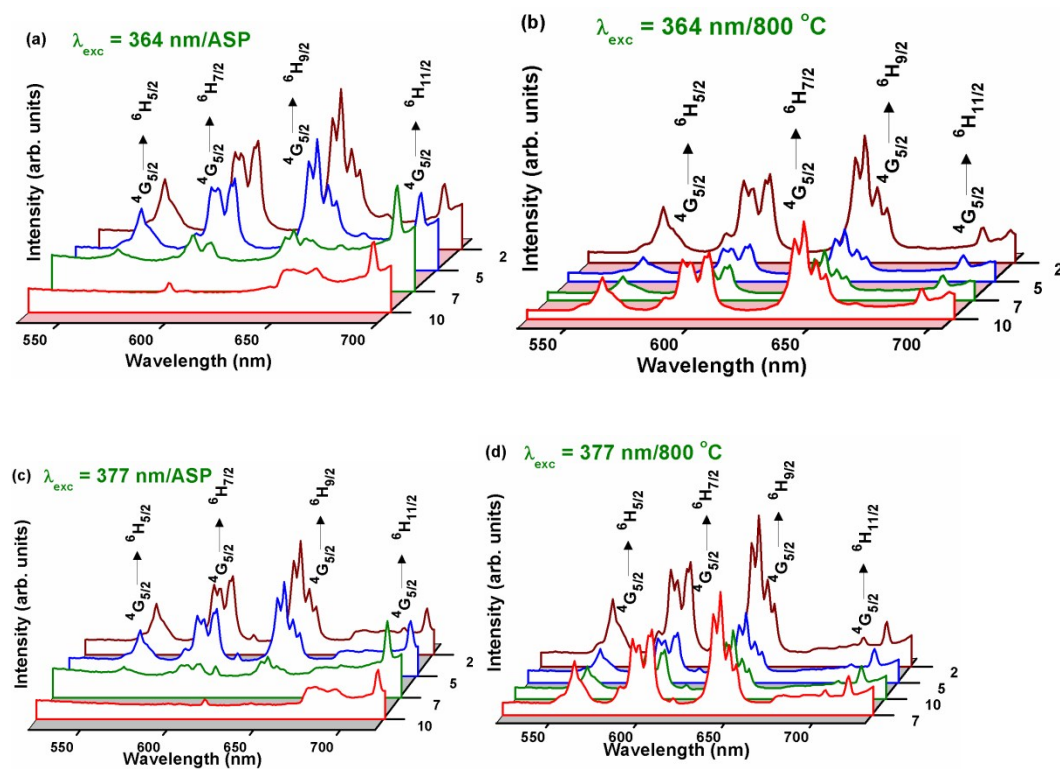


Fig. S3 Emission spectra of (a,c) as-prepared and (b,d) 800 °C annealed Sm^{3+} ($\text{Sm}^{3+} = 2, 5, 7$ and 10 at.%) doped CaWO_4 nanoparticles under 364 and 377 nm excitation.