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Supporting Information

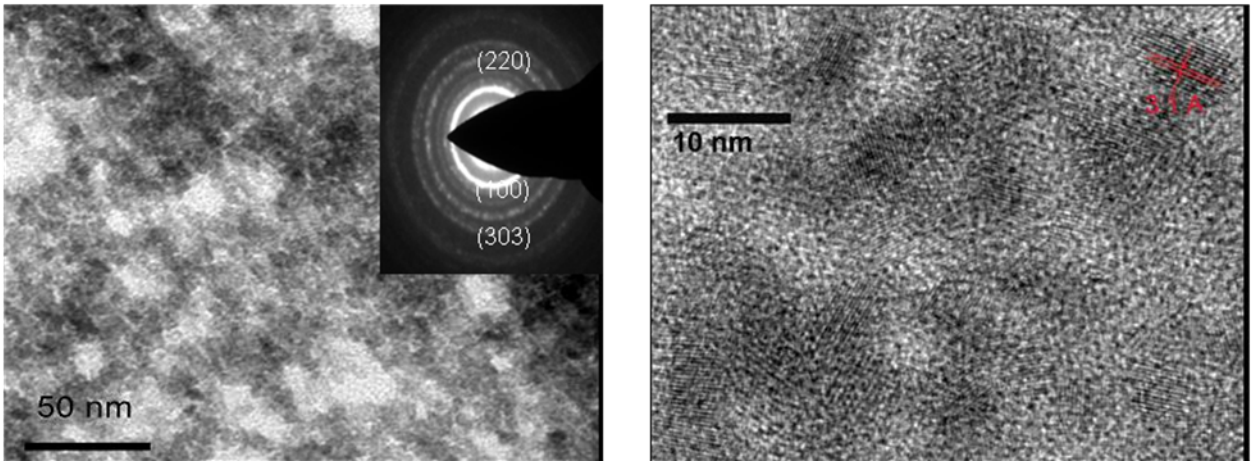
Nature of WO_4 tetrahedra in blue light emitting $CaWO_4$ Probed through EXAFS technique

S. Basu[1], Boddu Sanyasi Naidu[2], B. Viswanadh[3], V. Sudarsan[*2], S.N. Jha[1], D. Bhattacharyya[1] and R. K. Vatsa[2]

[1]Atomic & Molecular Physics Division, [2]Chemistry Division, [3]Materials Science Division,

Bhabha Atomic Research Centre, Mumbai – 400 085

Bhabha Atomic Research Centre, Trombay, Mumbai 400085, India.



(a) (b)

Figure 1. TEM image (a) and HRTEM image (b) of as prepared $CaWO_4$ nanoparticles. The inset of Fig. 1(a) shows a representative SAED pattern from the sample.

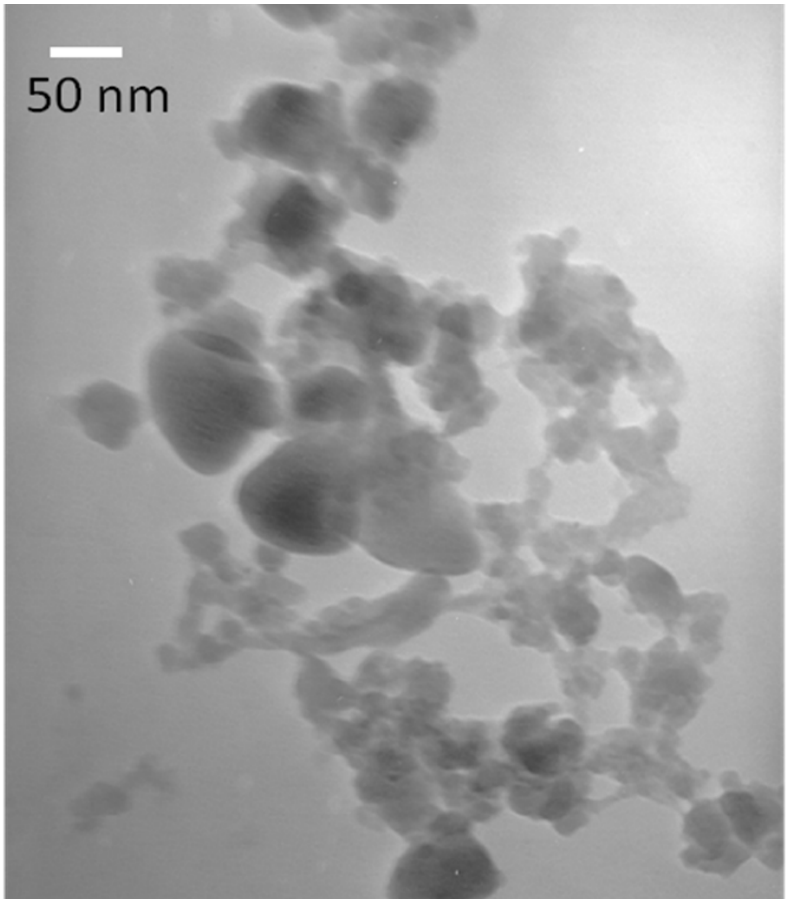


Figure 2. TEM image of $CaWO_4$ sample heated at 500°C

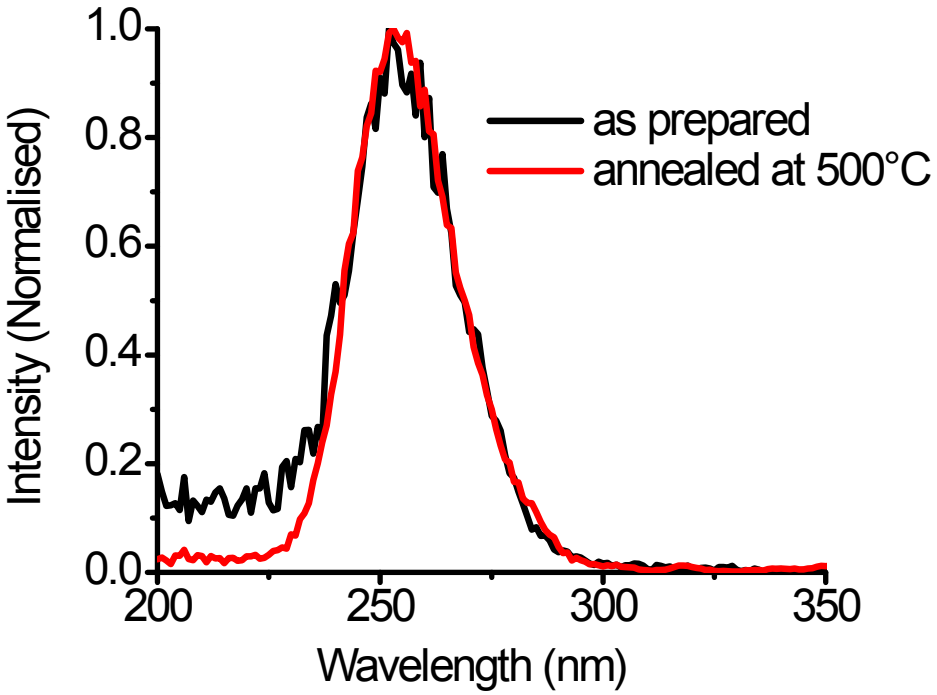


Figure 3. Excitation spectrum corresponding to blue emission from $CaWO_4$ sample: as prepared (black) and 500°C annealed (red).

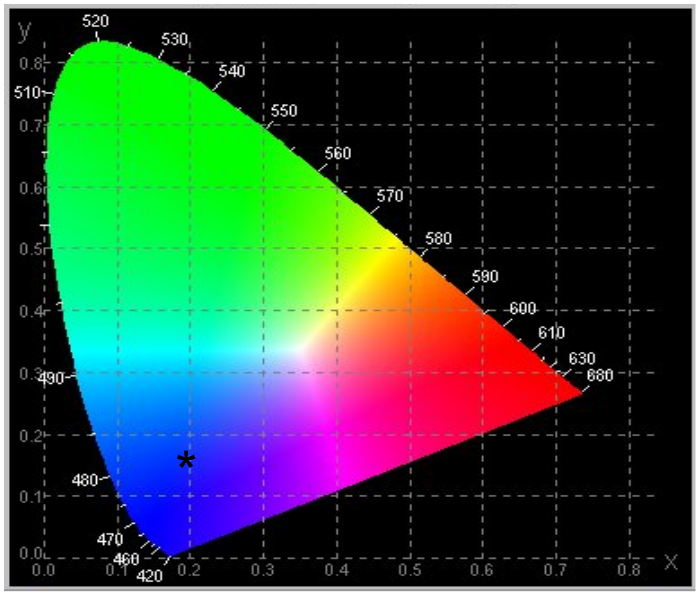


Figure 4. CIE plot showing the color coordinates calculated from the emission spectra corresponding to $CaWO_4$ nanoparticles. The peak marked * corresponds to CIE coordinate (0.18, 0.14).