

Electronic Supplementary Information for

Defect-related multicolour emissions in ZnO tetrapods: from violet, over green to yellow

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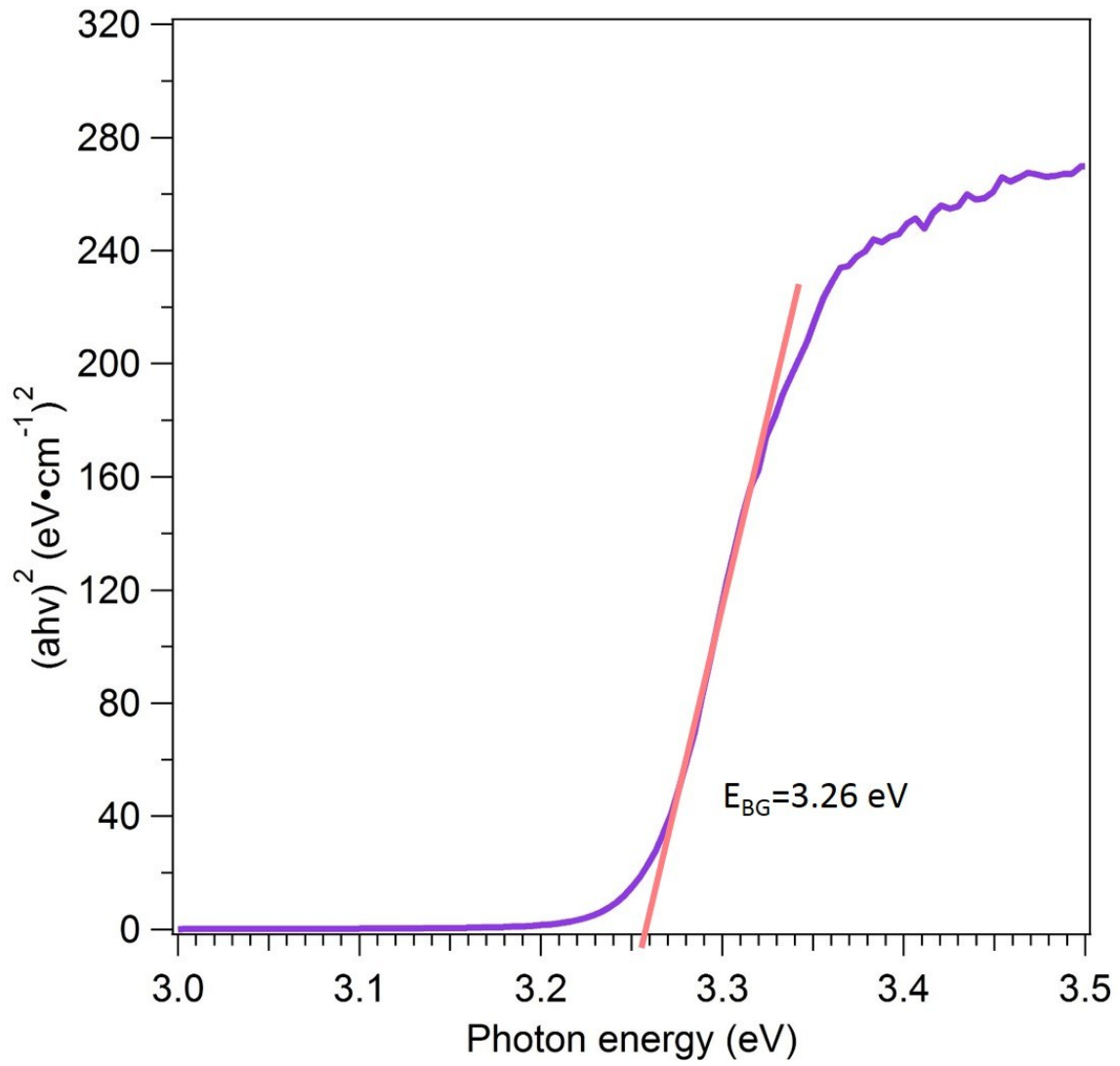


Figure SI-1. Tauc plot of as-synthesized ZnO smoke.

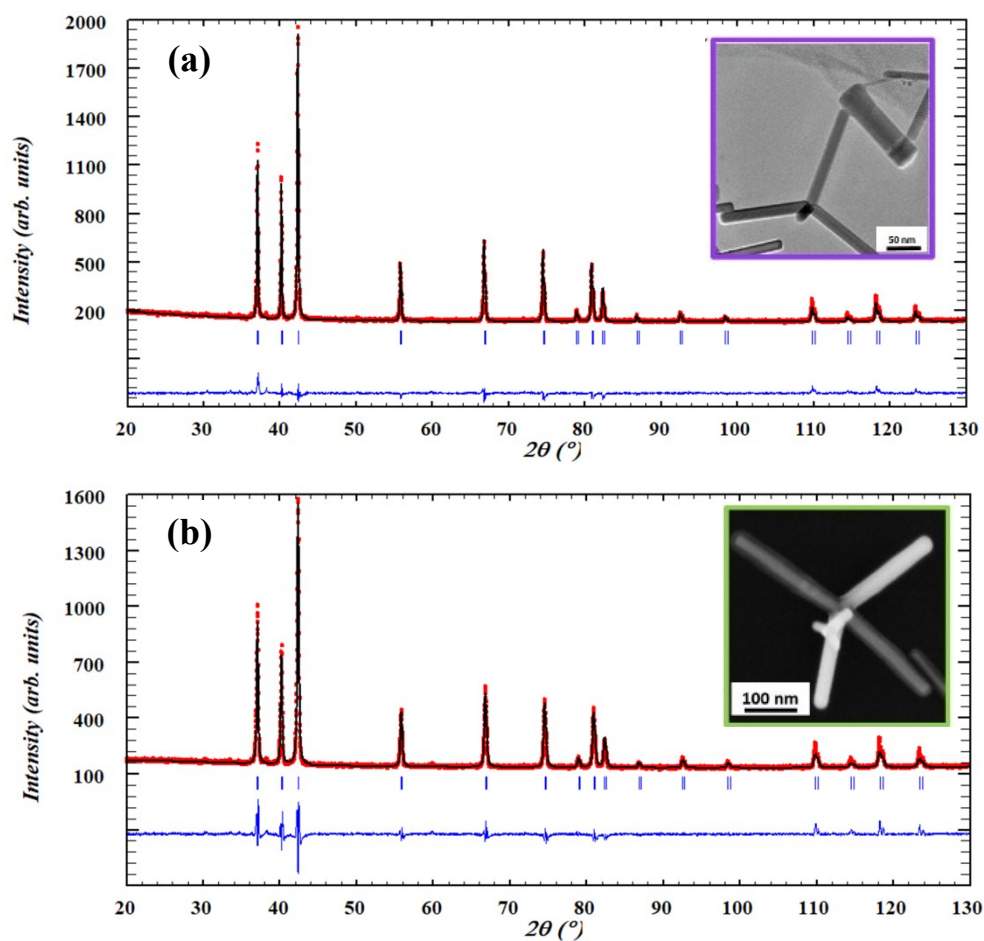


Figure SI-2. XRD and Rietveld refinements of the (a) as-synthesized and (b) annealed (773 K and $P < 10^{-5}$ mbar) ZnO smoke. For both, the red crosses are the experimental points, the black line is the calculated pattern, blue vertical tick marks refer to Bragg reflections, and the blue line is the calculated difference pattern. The insets represent TEM and SEM images for as-synthesized and annealed sample, respectively.

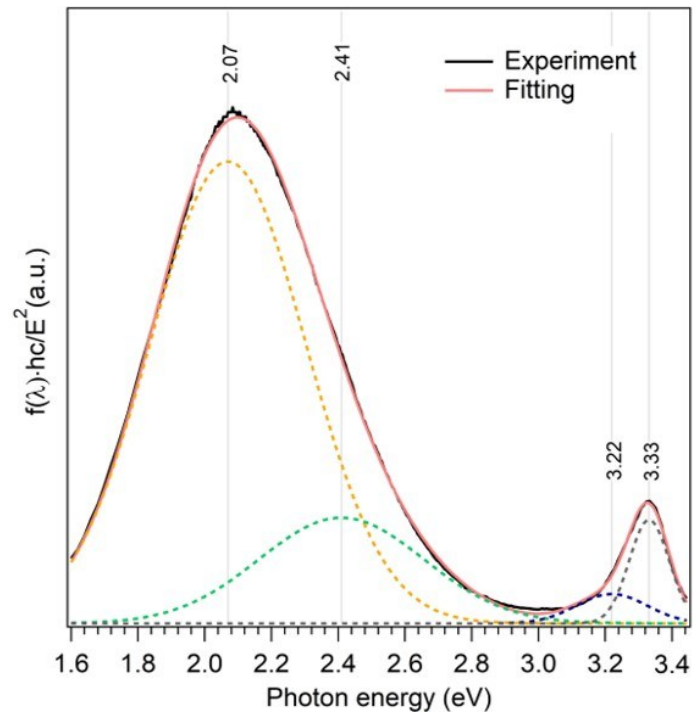


Figure SI-3. PL spectrum and corresponding band fitting analysis of ZnO sample three times annealed ($T = 773$ K) in $P_{O_2} = 100$ mbar.