

### Electronic Supplementary Information

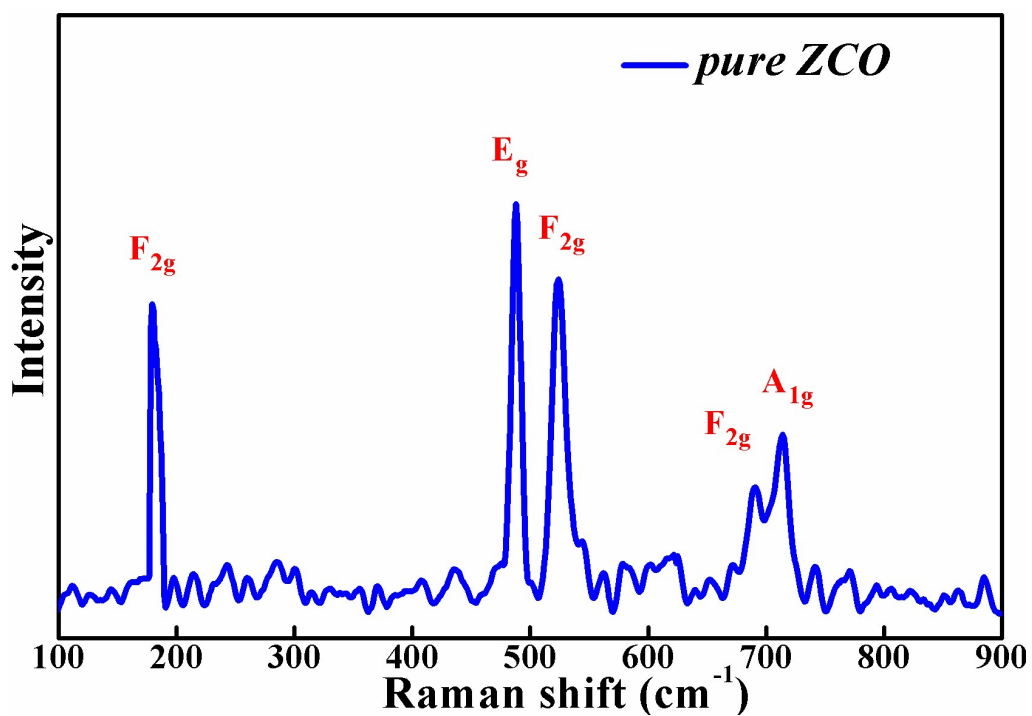


Fig. 1 Raman spectrum of pure ZCO materials.

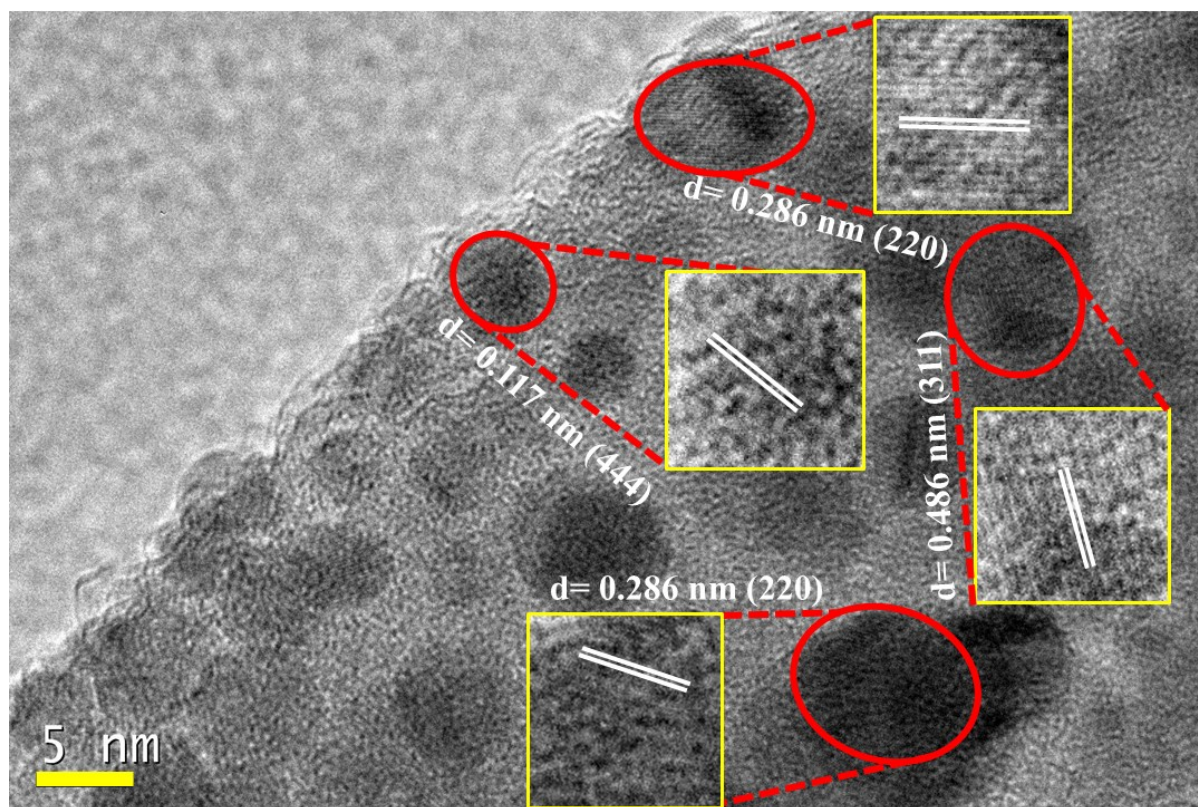


Fig. 2 High resolution TEM images of ZCO/rGO hybrid composites..