

## Supplementary Information

### **In-situ growth of lamellar ZnTiO<sub>3</sub> nanosheets on TiO<sub>2</sub> tubular array with enhanced photocatalytic activity**

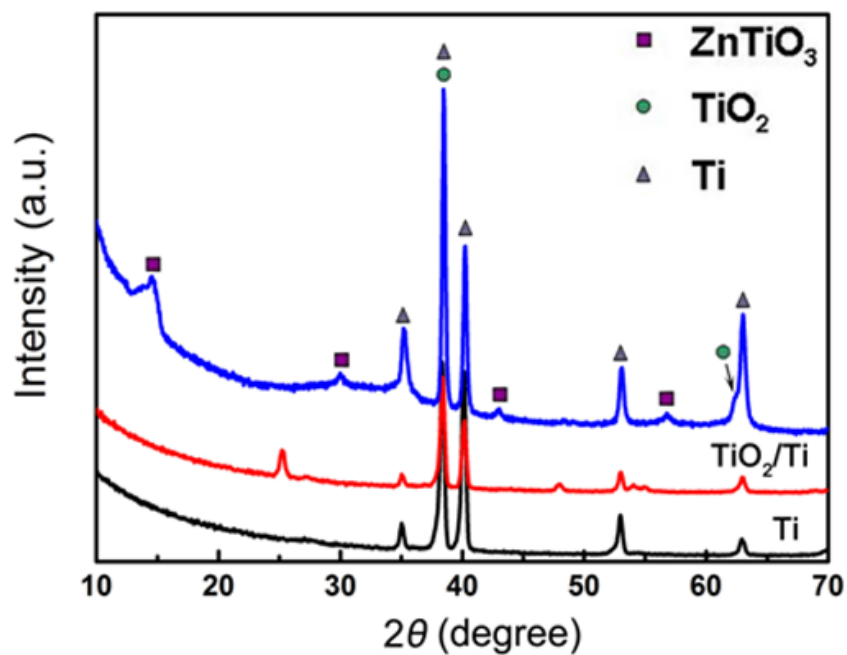
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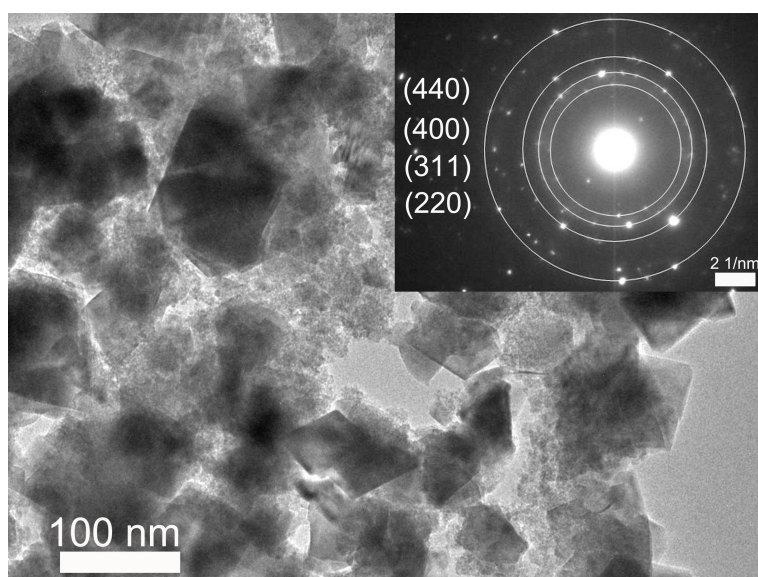
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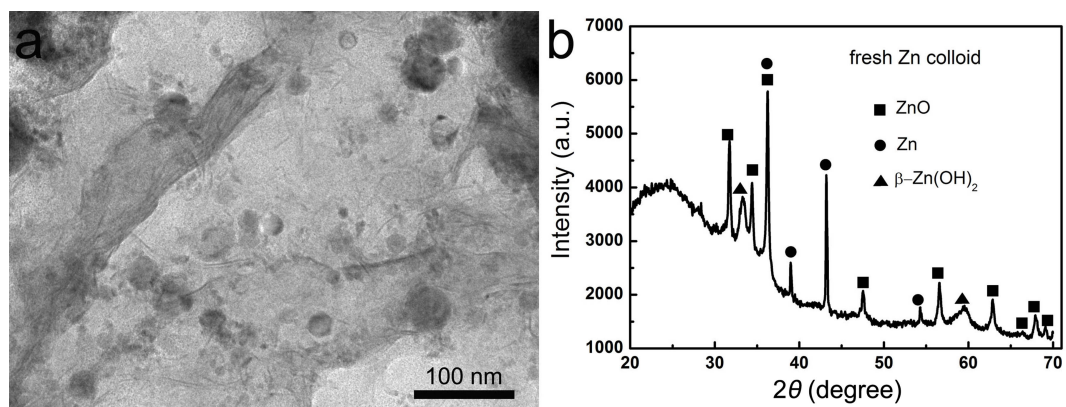
E-mail address: chliang@issp.ac.cn (C. H. Liang).



**Figure S1.** XRD spectra of the heterojunction of ZnTiO<sub>3</sub> NPs, TNTs and metal Ti foil.



**Figure S2.** TEM image of ZnTiO<sub>3</sub> NPs with inserted SAED pattern.



**Figure S3.** (a) TEM image of fresh  $\text{ZnO}_x\text{H}_y$  colloidal particles, (b) XRD product analysis of fresh  $\text{ZnO}_x\text{H}_y$  colloidal particles.