Enhanced photocatalytic performance of ZnTi-LDHs with morphology control

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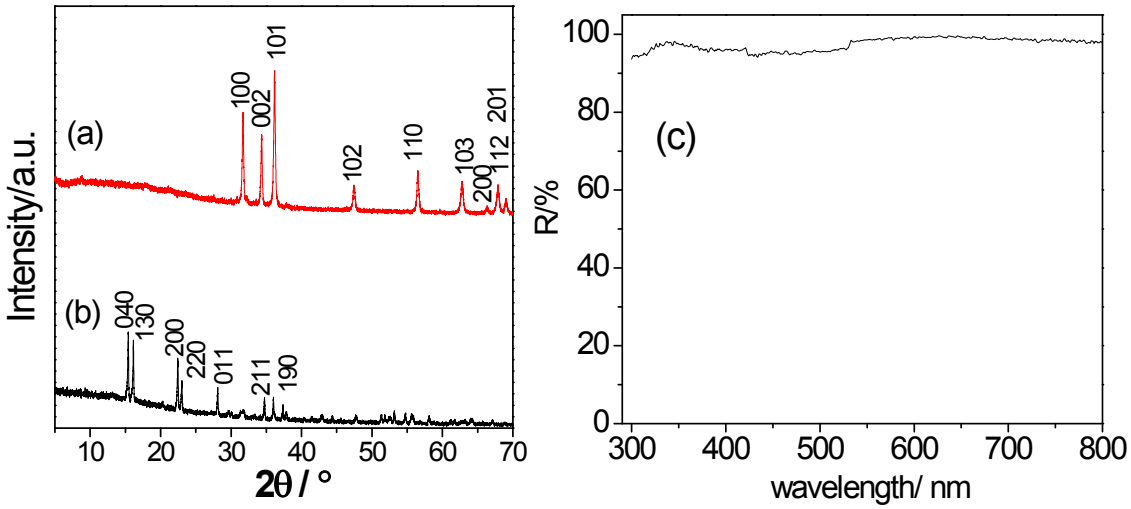

Figure S1 XRD patterns of (a) ZnO and (b) $Zn(OH)_2$, (c) UV-vis diffuse reflectance spectrum of $Zn(OH)_2$.

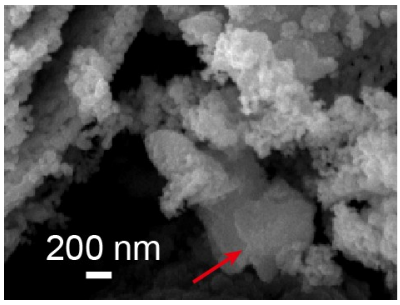

Figure S2 SEM image of ZT-P.

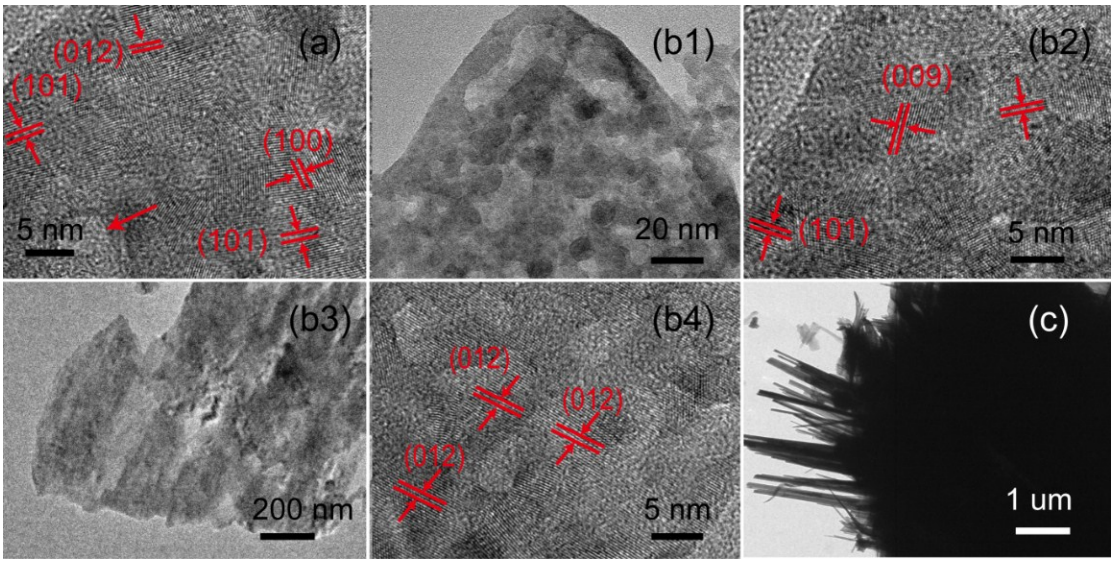

Figure S3 TEM and HTEM images of (a) ZT-CTAB, (b) ZT-PVP, (c) ZT-SDS.

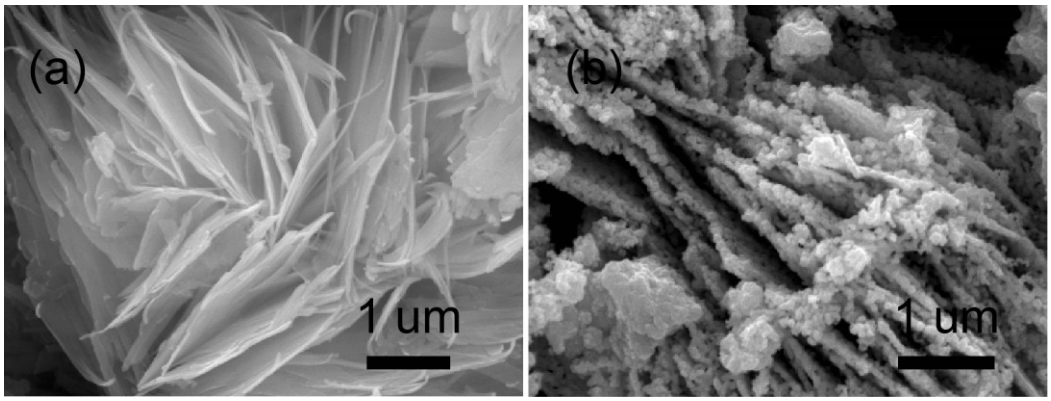

Figure S4 SEM images of (a) ZT-SDBS and (b) ZT-F.

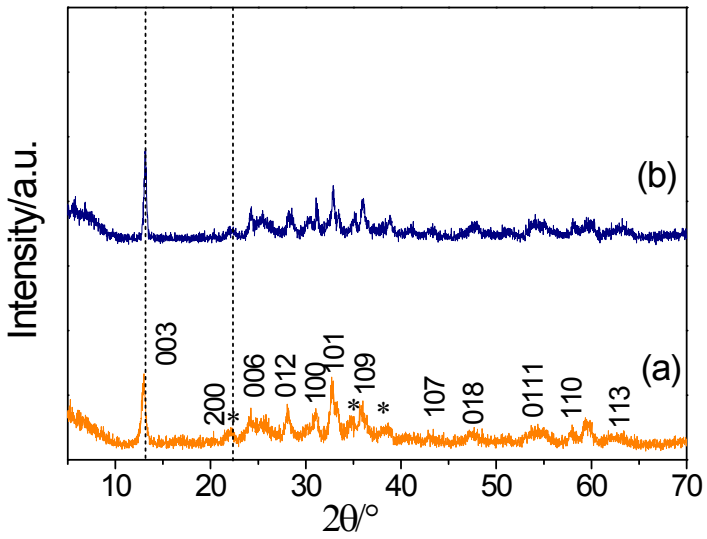

Figure S5 XRD patterns of (a) ZT-SDBS and (b) ZT-F.

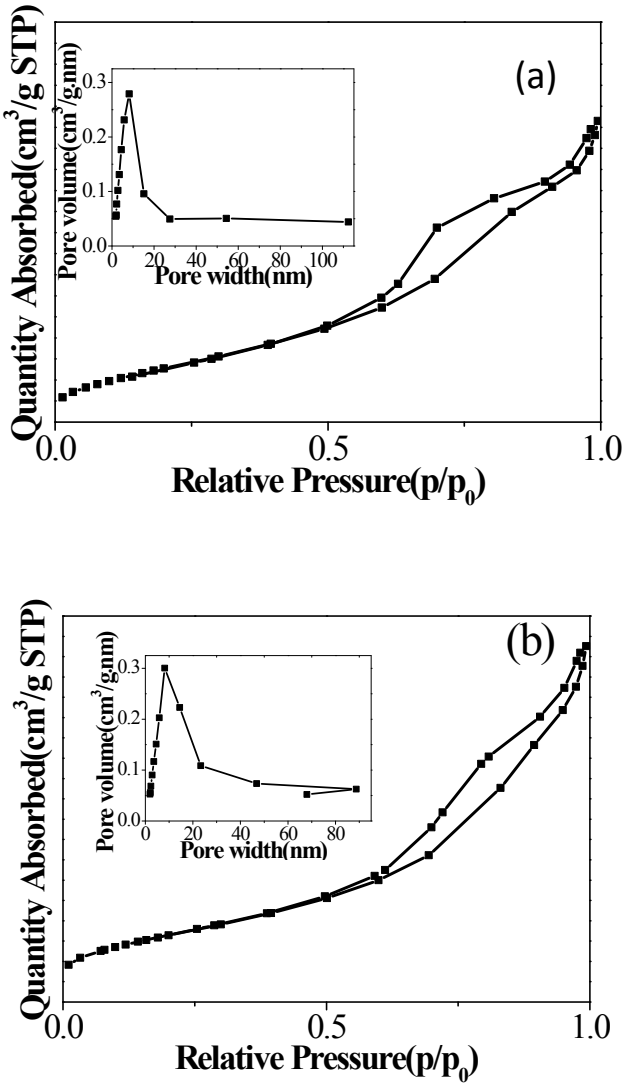

Figure S6 Nitrogen adsorption-desorption isotherms and pore size distributions curve for (a) ZT-PVP and (b) ZT-CTAB.

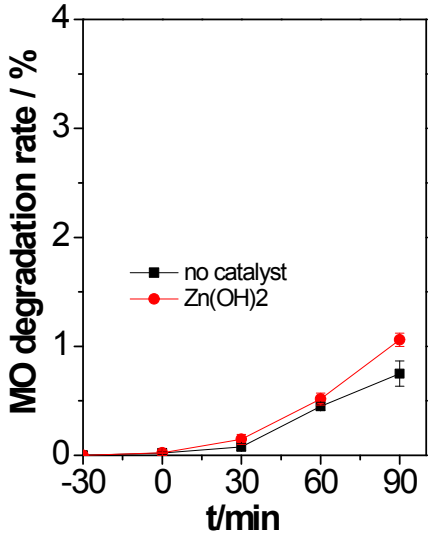

Figure S7 The magnification of the photocatalytic degradation curve of methyl orange without catalyst and with $Zn(OH)_2$ as catalyst