Supporting Information

3D hierarchical ZnOHF nanostructures: synthesis, characterization and photocatalytic properties

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**Fig. S1.** SEM and TEM images of the ZnOHF synthesized from different fluoride sources. K$_2$SiF$_6$ (a-b) nanoflowers and NH$_4$BF$_4$ (c-d) nanotubes-assembled microfans.
**Fig. S2.** Cyclability of photocatalytic activity of hierarchical ZnOHF nanoflowers under UV light irradiation.