

Supplementary Information

Grafting BiOCl nanosheets onto a TiO₂ tubular array to form a hierarchical structure with improved photocatalytic performance

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The anodic amorphous TiO_2 nanotube array film is uniform and orderly in pores distribution as showing in Figure S1. The average diameter and length of the TiO_2 nanotubes are of 130 nm and 6 μm , respectively. In Figure S2, the nanosheets consisting of BiOCl nanospheres shows similar morphology with that of BiOCl nanosheets grafted on a TiO_2/Ti film. Figure S3 shows the XRD pattern of as-synthesized BiOCl nanospheres.

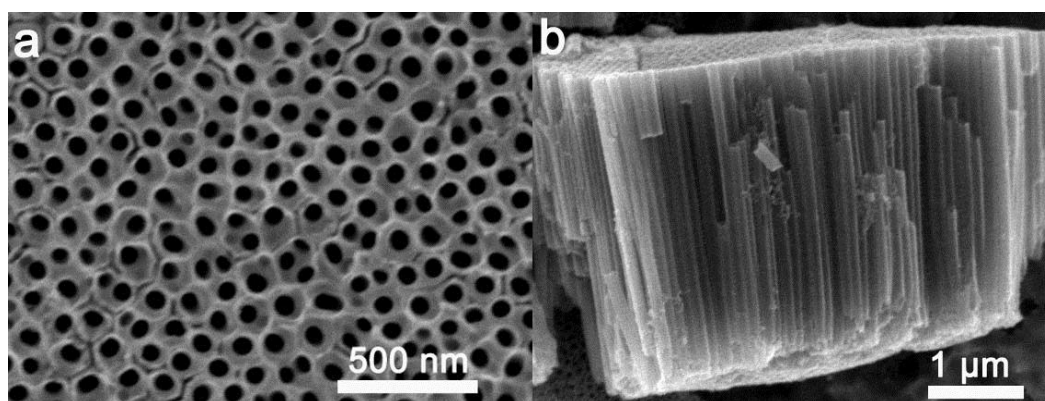


Figure S1. (a), (b) Top and side view of amorphous TiO_2 nanotubes array film by anodic oxidation.

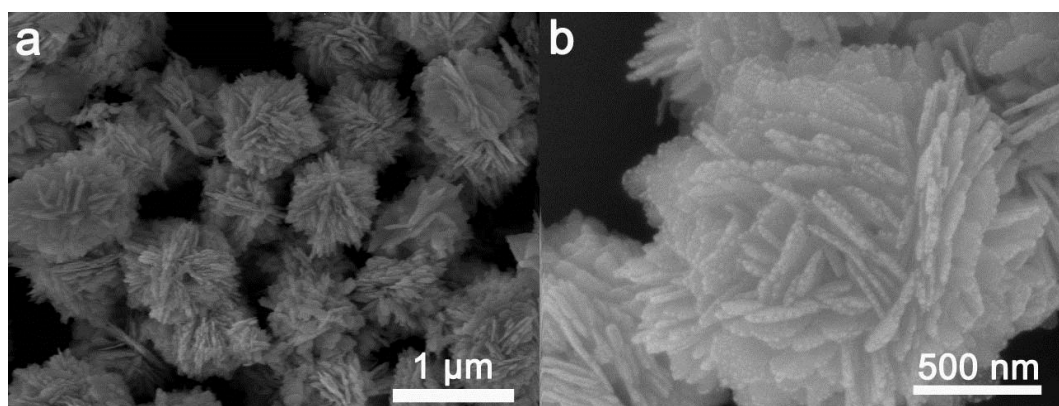


Figure S2. (a) SEM image of BiOCl flower-like nanospheres; (b) a magnified image of the single nanosphere in (a).

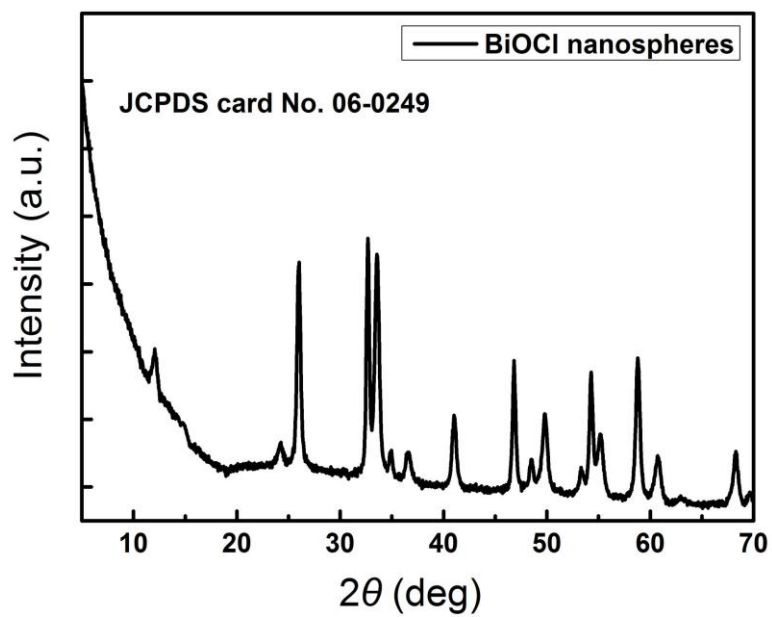


Figure S3. XRD pattern of the synthesized BiOCl nanospheres.