

Supporting information

**Controllable synthesis of uniform BiOF nanosheets and the improved photocatalytic activity by high-energy (002) facet exposed and internal electric field**

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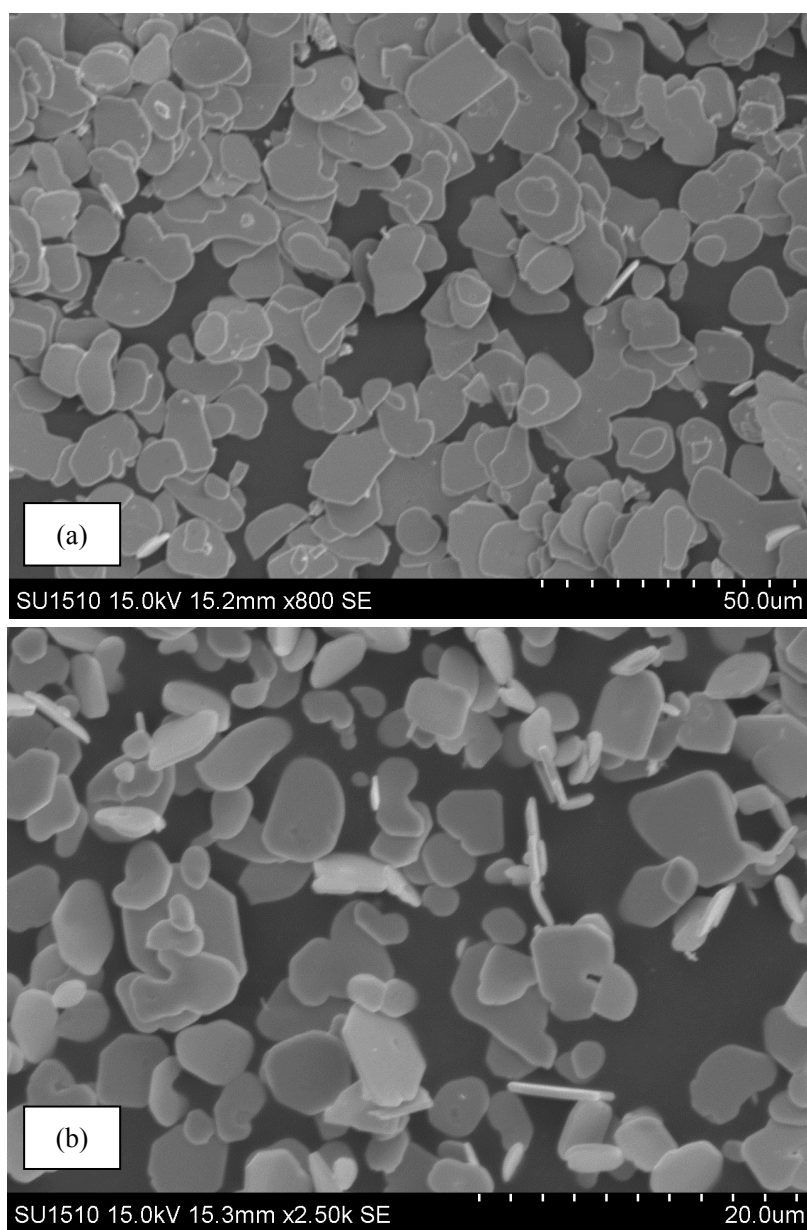
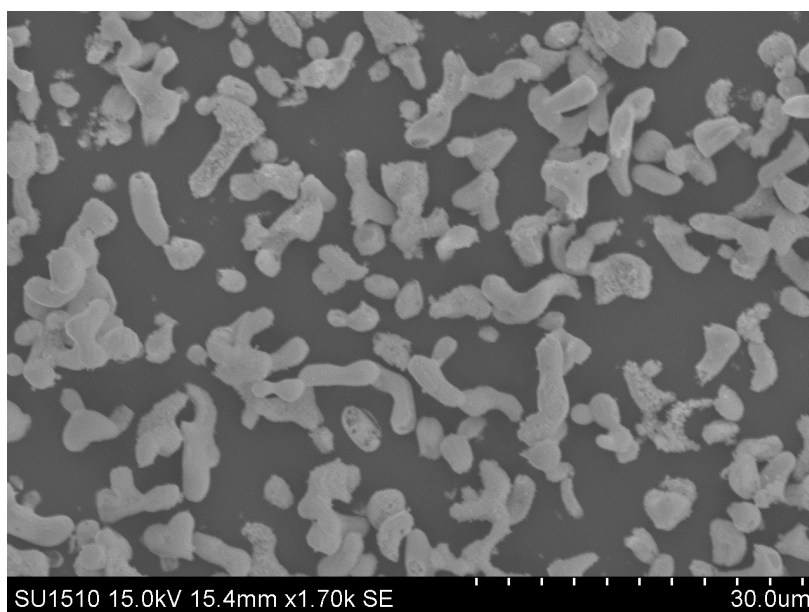
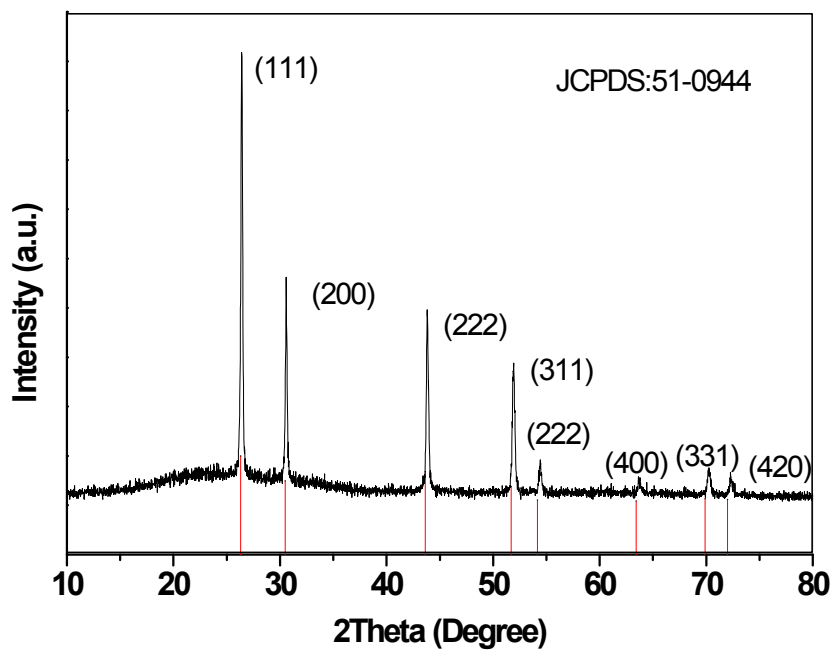


Fig.S1 SEM images of the as-prepared samples at pH=8 (a) and 9 (b)



**Fig. S2** XRD patterns and SEM images of the as-prepared BiF<sub>3</sub> sample without adding HNO<sub>3</sub> or NH<sub>3</sub>·H<sub>2</sub>O