

Supporting information for

**The Enhanced Photocatalytic Properties of BiOCl/BiVO₄ p-n
Heterosheets via Plasma Effect of Metal Bi**

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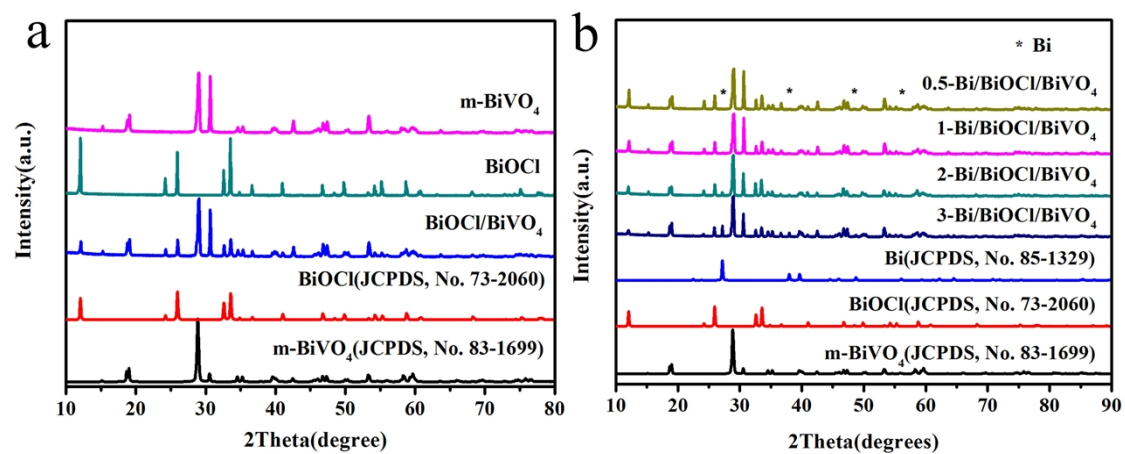


Fig. S1 (a) XRD patterns of m-BiVO₄, BiOCl and BiOCl/BiVO₄. (b) XRD patterns of 0.5-Bi/BiOCl/BiVO₄, 1-Bi/BiOCl/BiVO₄, 2-Bi/BiOCl/BiVO₄, 3-Bi/BiOCl/BiVO₄.

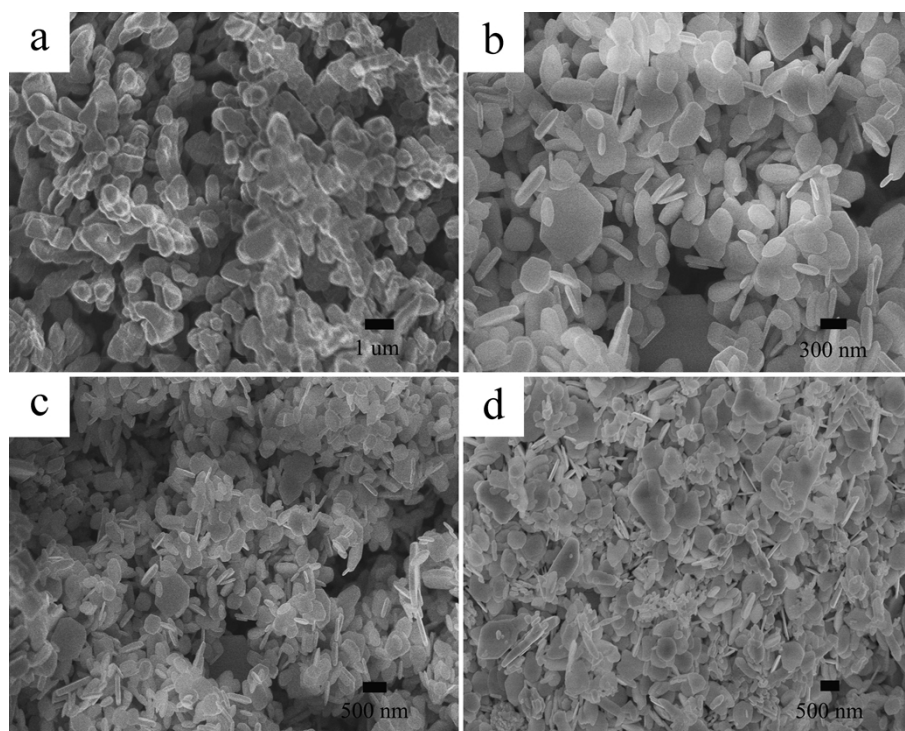


Fig. S2 SEM images of (a) pure m-BiVO₄, (b) 0.5, (c) 2, and (d) 3-Bi/BiOCl/BiVO₄.

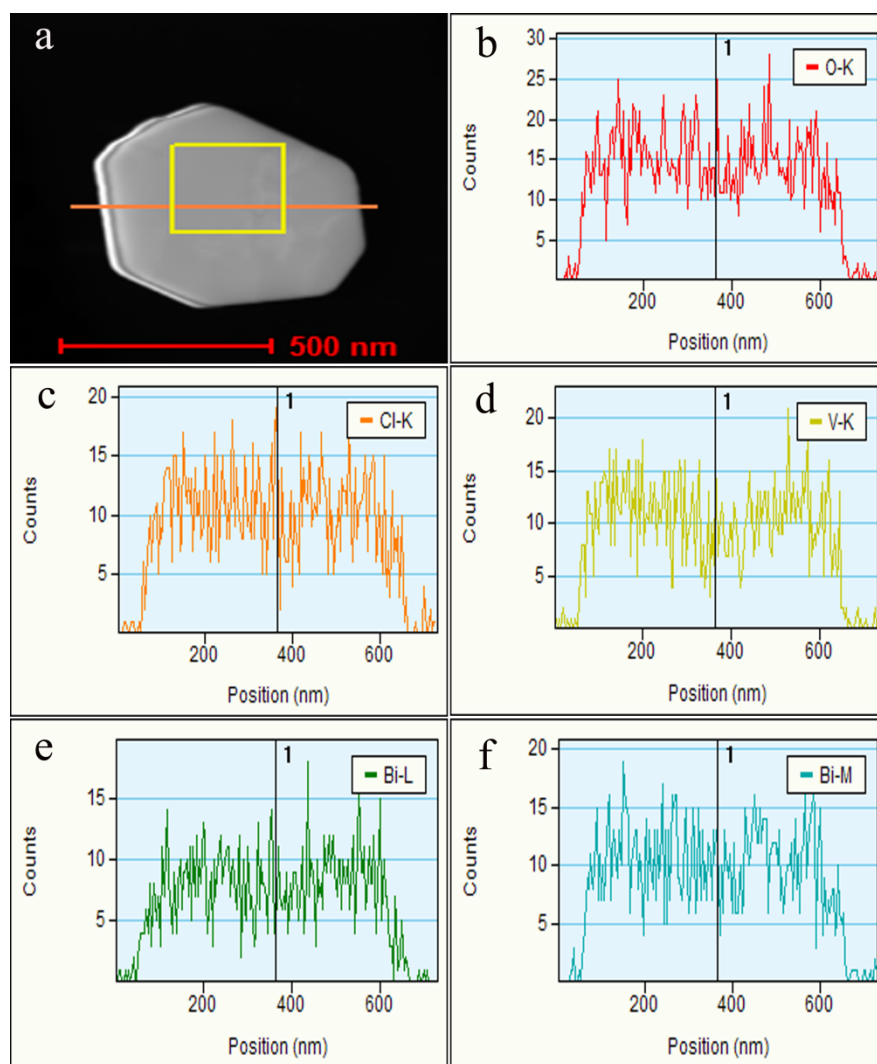


Fig. S3 EDX elemental line mappings of the 1-Bi/BiOCl/BiVO₄ nanosheets (scanning from left to right along the orange line).

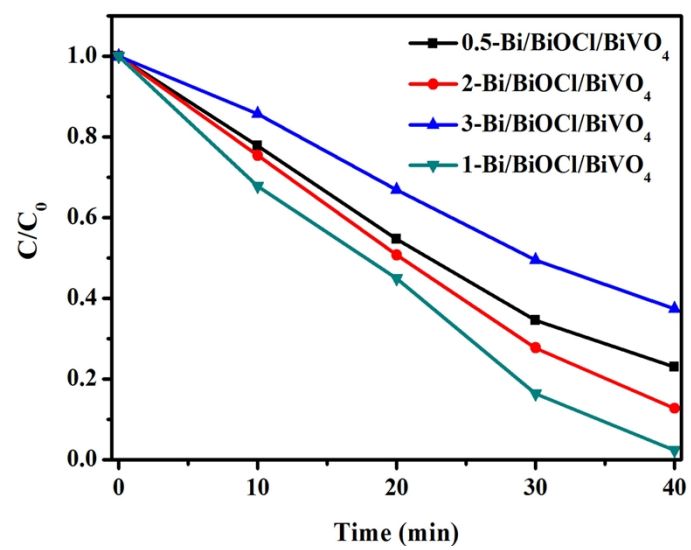


Fig. S4 The photocatalytic degradation of RhB over various photocatalysts.

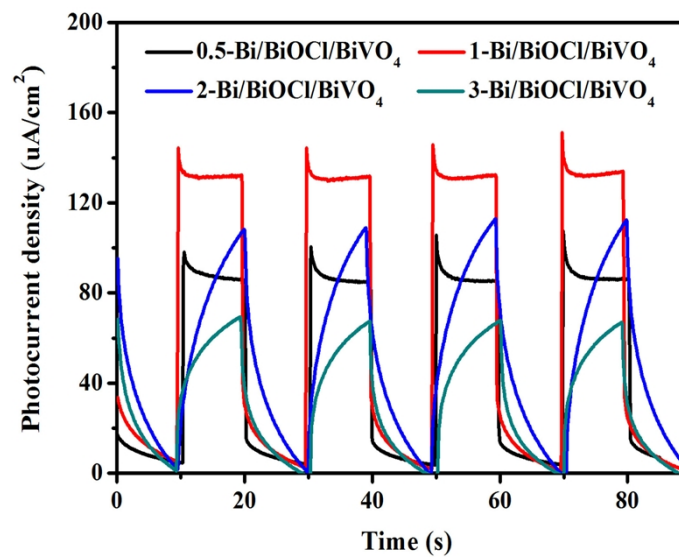


Fig. S5 Photocurrent response of the 0.5, 1, 2, and 3-Bi/BiOCl/BiVO₄ under visible-light illumination.