

## Supporting Information

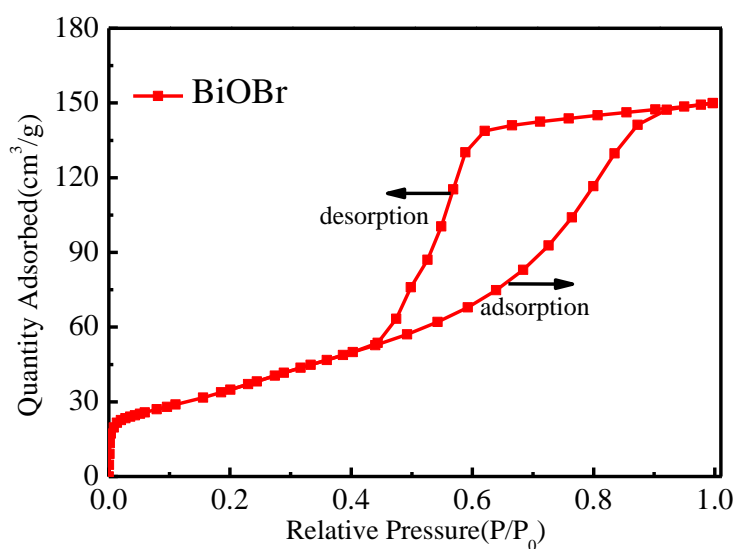


Fig. S1 Nitrogen absorption-desorption isotherms of BiOBr.

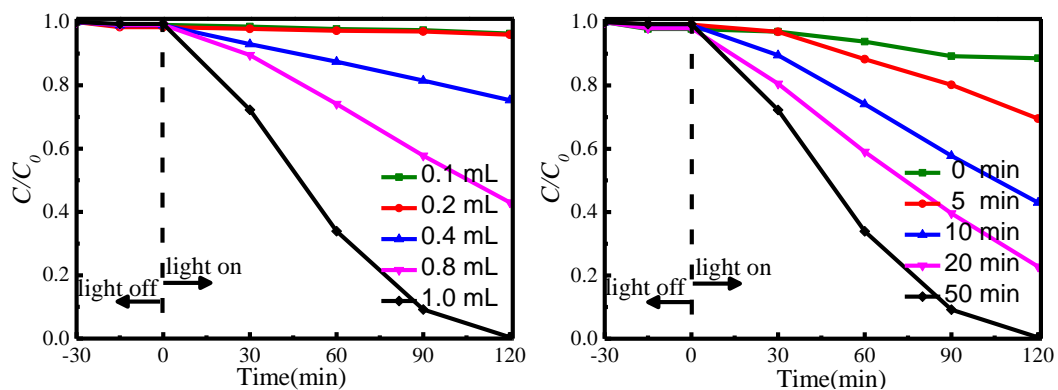


Fig. S2 Photocatalytic activities of as-prepared samples with different reaction conditions: (a) different ammonia addition, and (b) different steeping time.

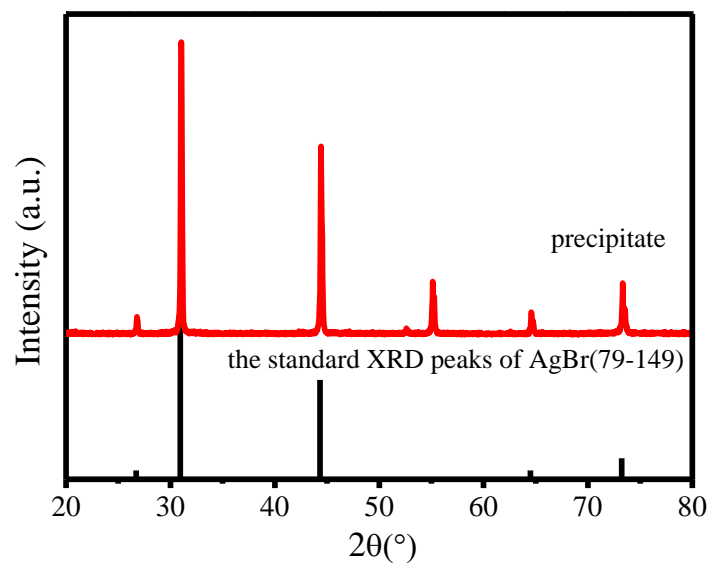


Fig. S3 XRD of samples which produced when  $\text{AgNO}_3$  was added into the supernatant of water-steeping process