Supplementary Information

for

Well-crystallized square-like 2D BiOCl nanoplates: mannitol-assisted hydrothermal synthesis and improved visible-light-driven photocatalytic performance

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**Fig. S1** EDX spectrum of the as-synthesized square-like BiOCl nanoplates. The Cu signal comes from the copper grid.
Fig. S2 SEM image of commercial BiOCl.
**Fig. S3** The photograph images of 100 mL \((10^{-5}\text{ M})\) RhB solution in the presence of 0.1 g square-like BiOCl nanoplates during adsorption in the dark and under visible light irradiation.
Fig. S4 XRD patterns of the square-like BiOCl nanoplates before (a) and after (b) photodegradation.