

Hexagonal AgBr Crystal Plate for Efficient Photocatalysis through Two Degradation Manners: Methyl Orange Oxidation and Cr^{VI} Reduction

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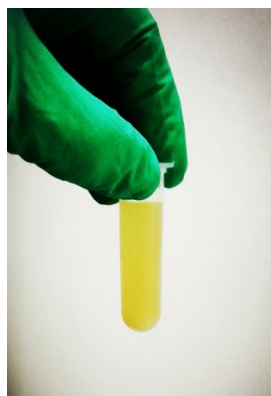


Figure S1. Yellow colored product solution.

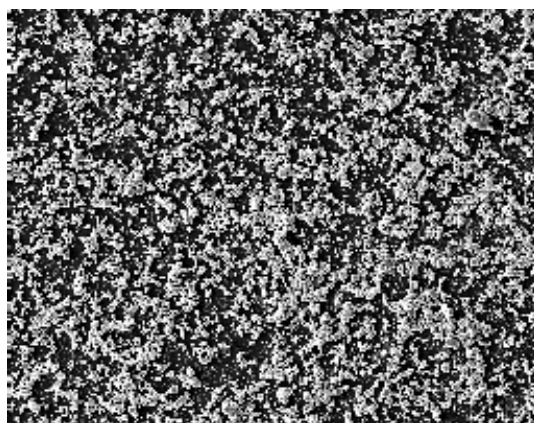


Figure S2. High-angle dark-field scanning transmission electron microscopy.

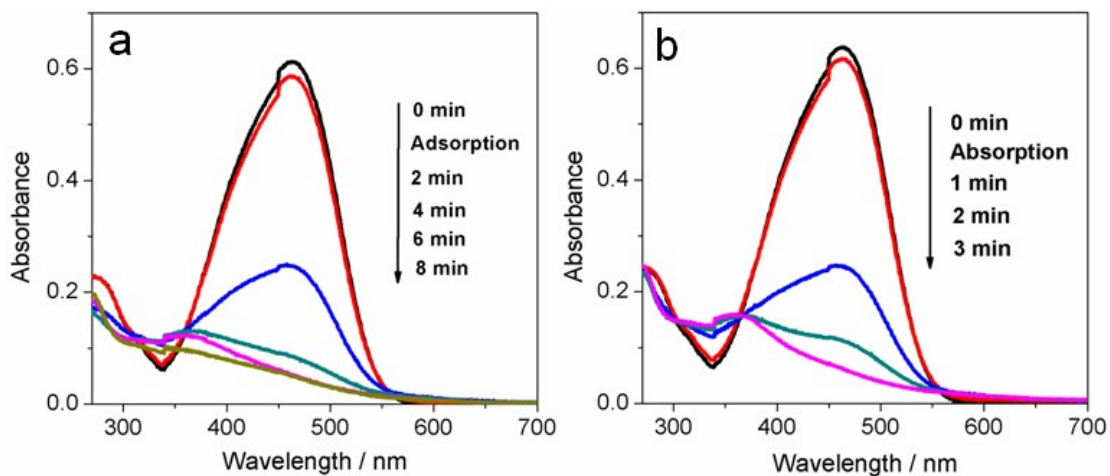


Figure S3. MO degradation of the AgBr-hexagonal crystal plate under visible light (> 400 nm) and simulate solar light (AM 1.5).

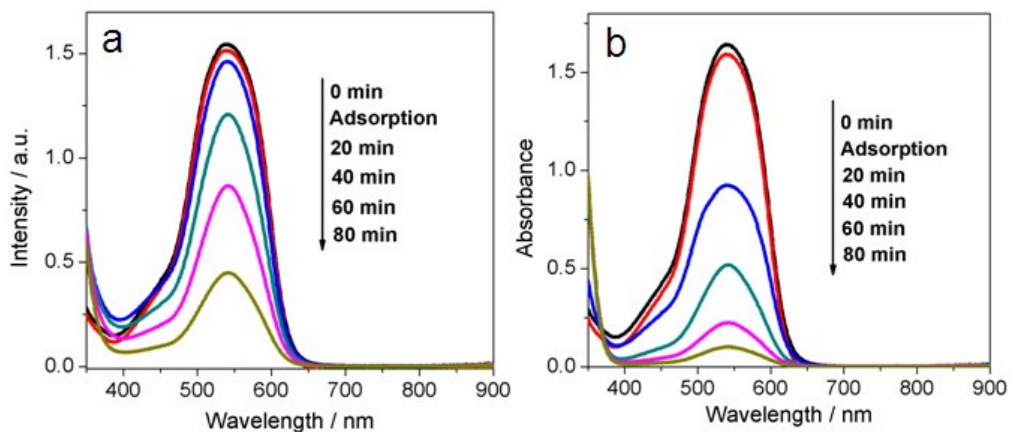


Figure S4. Cr (IV) reduction of the AgBr-hexagonal crystal plate under visible light (> 400 nm)

and simulate solar light (AM 1.5).

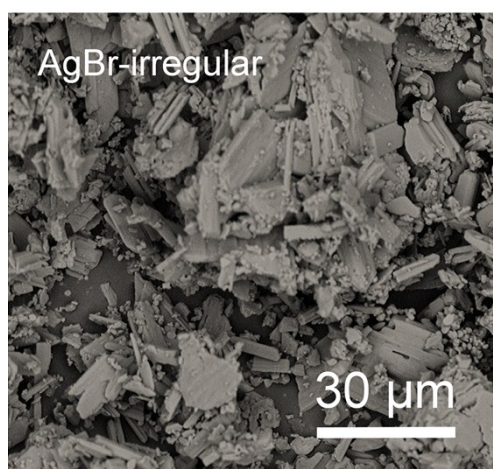


Figure S5. SEM image of AgBr-irregular crystal with scale bar 30 μm .

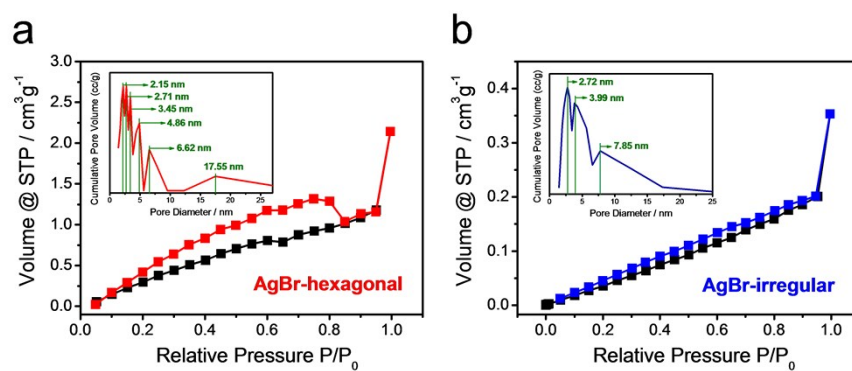


Figure S6. Nitrogen sorption isotherm of AgBr-hexagonal (a) and AgBr-irregular (b) with the corresponding pore diameter distribution (inset).