Supplementary Information

Tunable photocatalytic and photoelectric properties of I⁻-doped BiOBr photocatalyst: dramatic pH effect

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Fig. S1. Photocatalytic elimination of (a) MO and (b) phenol over different BiOBr and I-BiOBr samples prepared at different pH values (4.0-6.0) under visible light (λ >400 nm). Effects of synthesis pH values on the k_{app} values in the degradation process of (c) MO and (d) phenol.

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Fig. S2. (a) Transient photocurrent of the samples prepared at different pH values (4.0-6.0) under visible light

(λ >400 nm) and (b) surface photovoltage properties.