

Supplementary Information

A facile approach to construct BiOI/Bi₅O₇I composites with heterostructure: efficient charge separation and enhanced photocatalytic activity

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Table S1 Elemental compositions of samples synthesized at different pH values (pH=7, 9, 11) and pure Bi₅O₇I.

Element	Sample			
	BiOI	BiOI/Bi ₅ O ₇ I composite (pH=9)	BiOI/Bi ₅ O ₇ I composite (pH=11)	Bi ₅ O ₇ I
O	34.37	46.33	50.52	54.54
I	31.40	15.51	9.55	6.95
Bi	34.23	38.16	39.93	38.51
The ratio of Bi:I	1.09	2.46	4.18	5.54
Mole fractions of BiOI	1	0.64	0.20	0

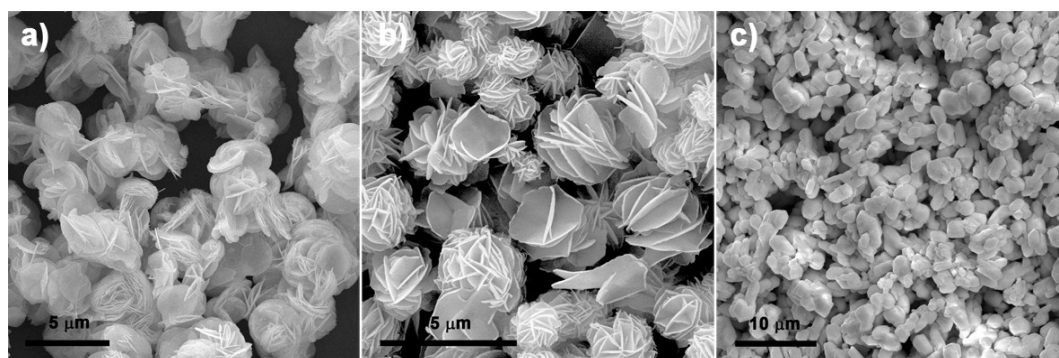


Fig S1 FESEM images of a) BiOI, b) BiOI/Bi₅O₇I composite synthesized at pH=11 and c) Bi₅O₇I.