

Supporting information

Hybrid BiOBr/Uio-66-NH₂ composite with enhanced visible-light driven photocatalytic activity toward RhB dye degradation.

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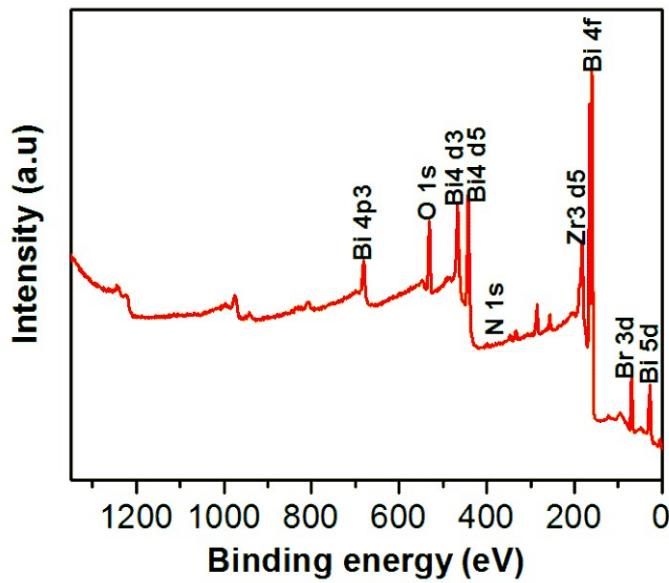


Figure.S1. Survey XPS Spectra of BUN-15.

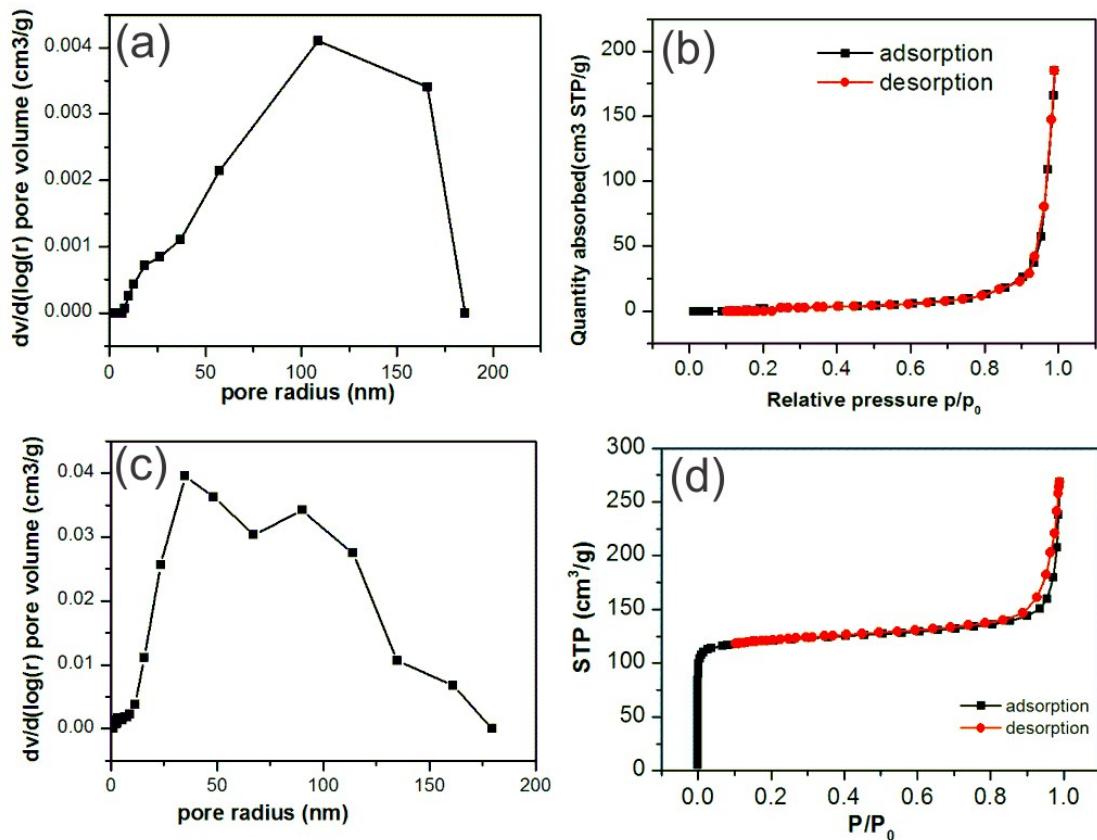


Figure.S2 (a)(b) pore size and surface area of BiOBr (c)(d) pore size and surface area of UIO-66-NH₂.

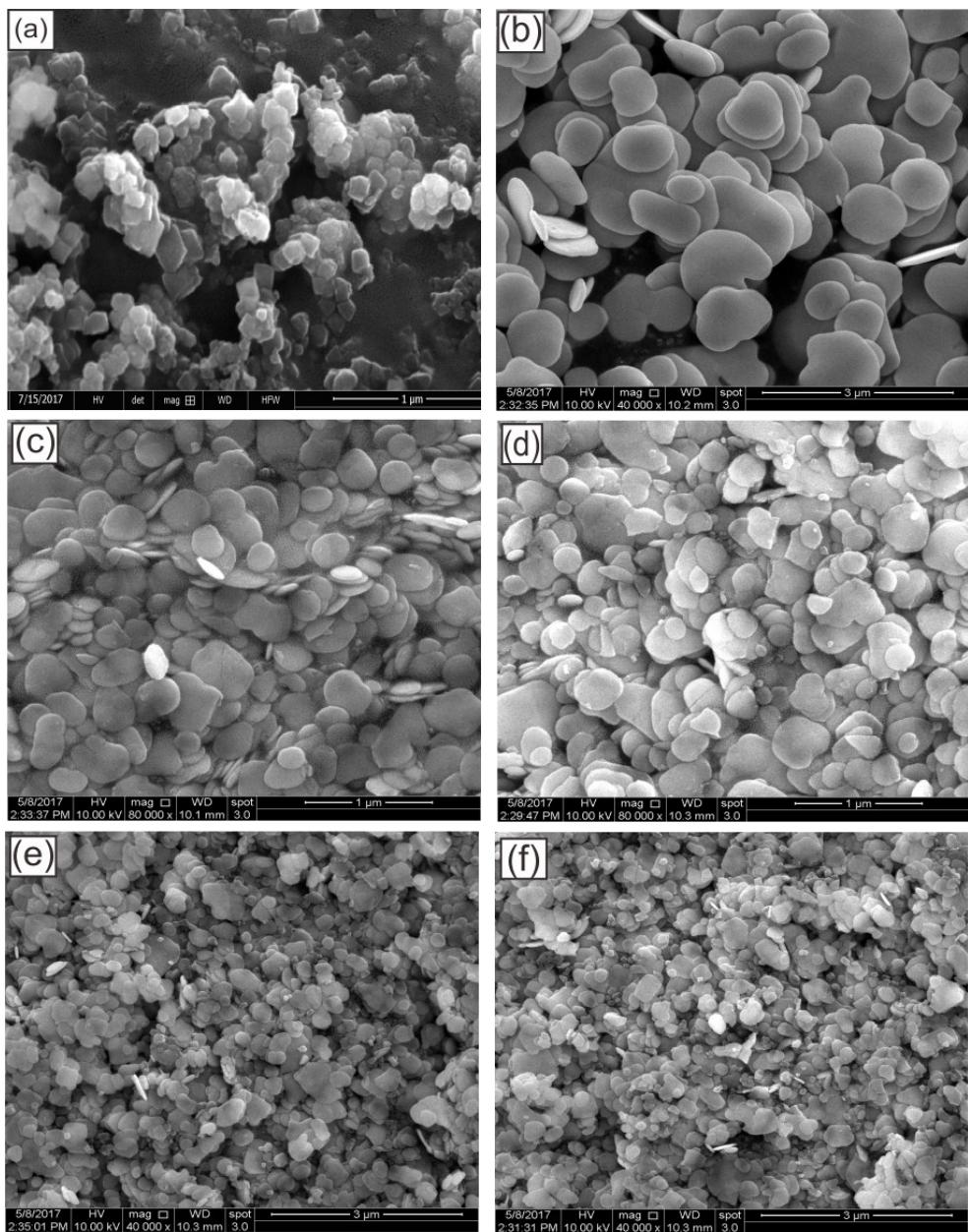


Figure.S3. SEM images of (a) UiO-66-NH₂ (b) BiOBr (c) BUN-3 (d) BUN-7 (e) BUN-10 (f) BUN-15.

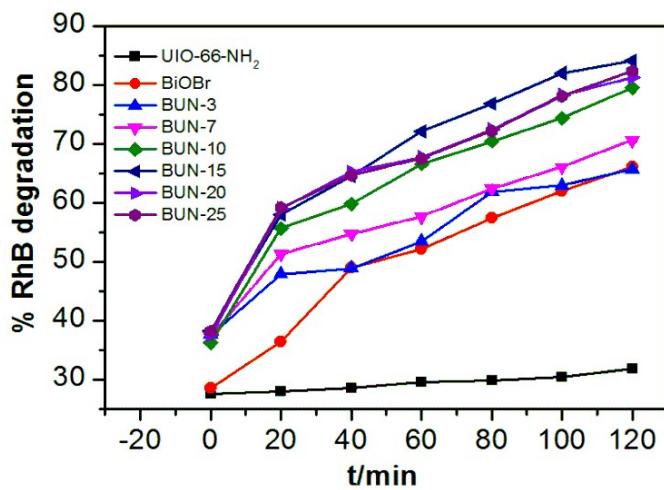


Figure S5. %age removal of RhB dye by photocatlytic degradation.

Table S1. Elements content of Composites by the ICP-MS analysis.

Samples		Wt % (ICP-MS)	
Nominal mass	Calculated wt%	Bi	Zr
BUN-3	0.95	61.49	0.32
BUN-7	2.24	58.27	1.21
BUN-10	3.19	51.68	2.13
BUN-15	4.79	47.34	3.12
BUN-20	6.3	38.55	4.13
BUN-25	7.9	32.54	4.53

Table S2. Metal ions detection after photocatalytic degradation in aqueous solution by ICP-MS analysis.

Samples	$\mu\text{g/L}$	
	Zr	Bi
UiO-66-NH ₂	0.29	0
BUN-15	0.051	113.03

