

Electronic Supporting Information

Bi nanospheres-decorated oxygen-vacancy BiOBr hollow microspheres with exposed (110) facets to enhance photocatalytic performance for degradation of azo dyes

Mian Qin¹, Kejie Jin¹, Xinyi Li¹, Rui Wang¹, Yang Zhao¹, Huan Wang^{1,*}

¹College of Chemistry and Chemical Engineering, Northeast Petroleum University,
Daqing, 163318, China

*Email:

Huan Wang: wanghuan83214@gmail.com

Table S1. Summary of specific surface area of as-prepared photocatalysts.

Photocatalyst	BET Surface Area m^2/g
BiOBr(OVs)	21.7237
5%Bi-BiOBr(OVs)	19.0048
15%Bi-BiOBr(OVs)	16.3496
25%Bi-BiOBr(OVs)	14.0697
50%Bi-BiOBr(OVs)	12.9887

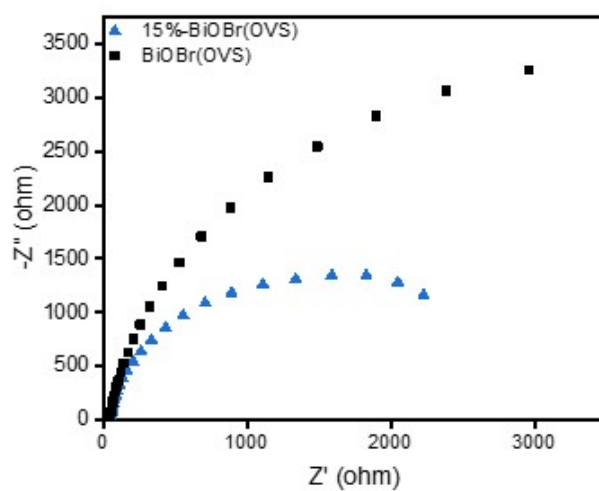


Figure S1. EIS spectra of the BiOBr(OVs) and 15%Bi-BiOBr(OVs).

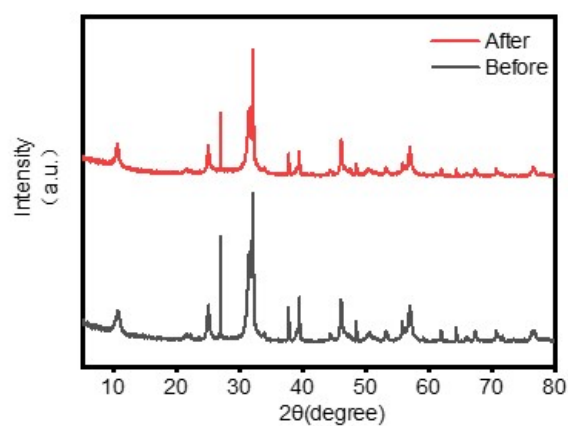


Figure S2. XRD patterns of 15%Bi-BiOBr(OVs) before and after five-cycles degradation.

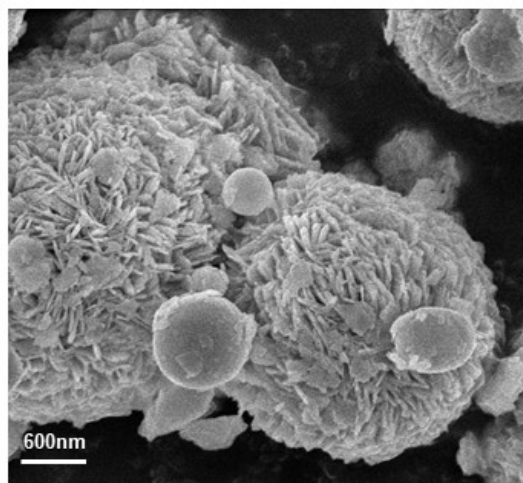


Figure S3. SEM image of 15%Bi-BiOBr(OVs) after five-cycles degradation.