Supporting information

Construction of Z-scheme heterojunction bifunctional

photocatalyst with Ag modified AgBr embedded in β -Bi₂O₃

flower

Xin Guan^{a, b, 1}, Xiao-li Wang ^{a, b, 1}, Xue-wen Zhu^a, Hui Yu^{a, *}, Ming Yang^a, Xiang-ting Dong ^{a, *}, Ying Yang^{a, *}and Long Xia^{b, *}

^a School of Chemistry & Environmental Engineering, Changchun University of Science and Technology, Changchun 130022, P. R. China
^b School of Materials Science and Engineering, Harbin Institute of Technology (Weihai), Weihai 264209, P. R. China
*Corresponding author.
yuhui@cust.edu.cn; dongxiangting888@163.com; yangying0807@126.com; xialong@hit.edu.cn.
¹ co-first author

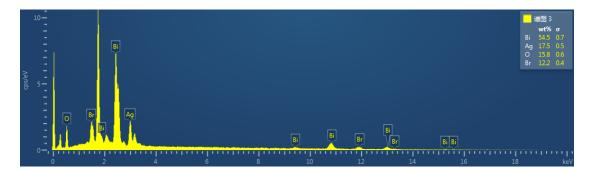


Fig. S1 EDS spectra of 3-Ag-AgBr/β-Bi₂O₃ sample

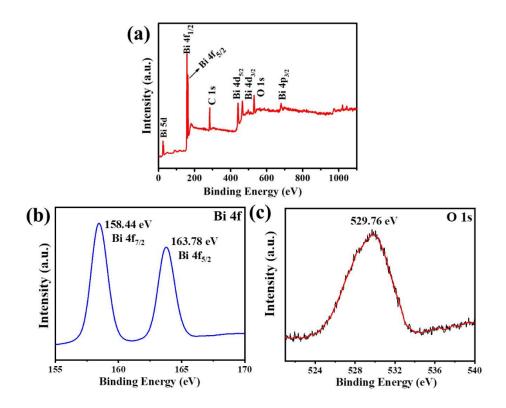


Fig. S2 XPS spectra of β -Bi₂O₃ matrix: (a) full spectrum, (b) Bi 4f, (c) O 1s.