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Supporting information

Visible light driven 3D hierarchical CoTiO₃/BiOBr direct Z-scheme heterostructure with enhanced photocatalytic degradation performance

Lijie Wang,^{a,b} Qiang Li,^{a,b,*} Xiaoxiao Lu,^{a,b} Zhenfei Tian,^{a,b} Shiwu He^{a,b} and Jinfeng Zhang^{a,b}

^a*College of Physics and Electronic Information, Huaibei Normal University, Huaibei, 235000, P.R. China*

^b*Anhui Province Key Laboratory of Pollutant Sensitive Materials and Environmental Remediation, Huaibei Normal University, Huaibei, 235000, P.R. China*

*Corresponding authors.

E-mail address: qiangli@chnu.edu.cn (Q. Li)

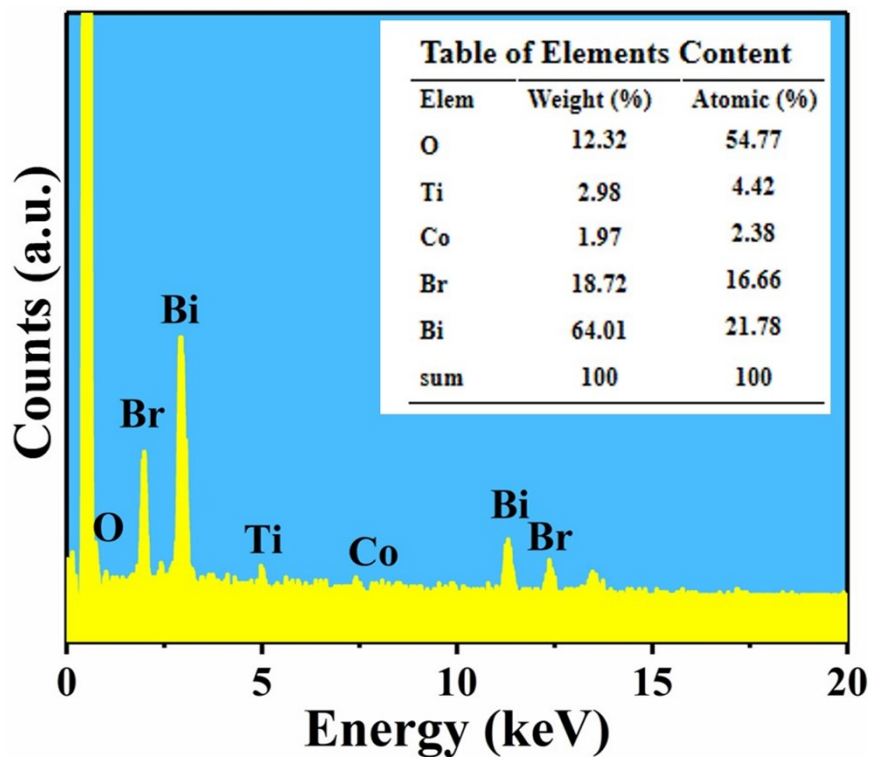


Fig. S1. EDX spectrum of CTBB-5.

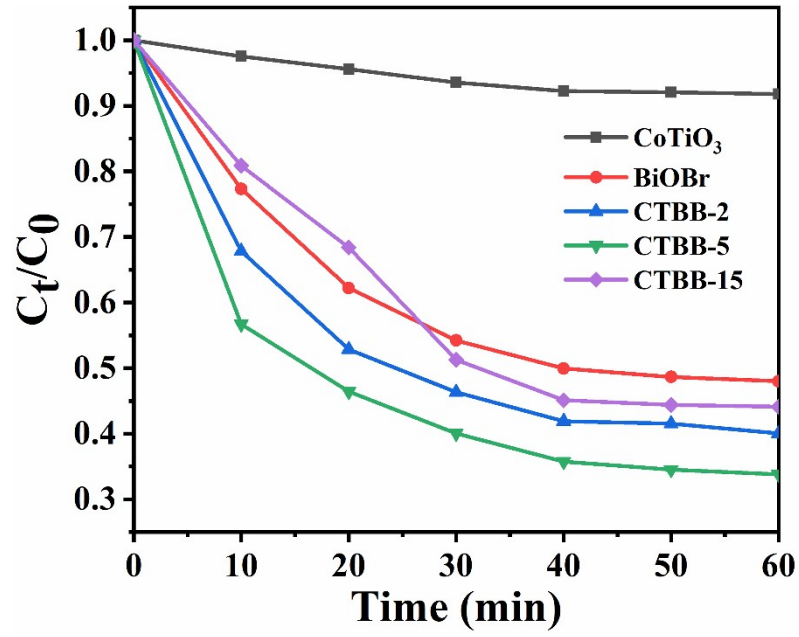


Fig. S2. Absorption ability evaluation of the as-prepared samples for RhB in dark condition.

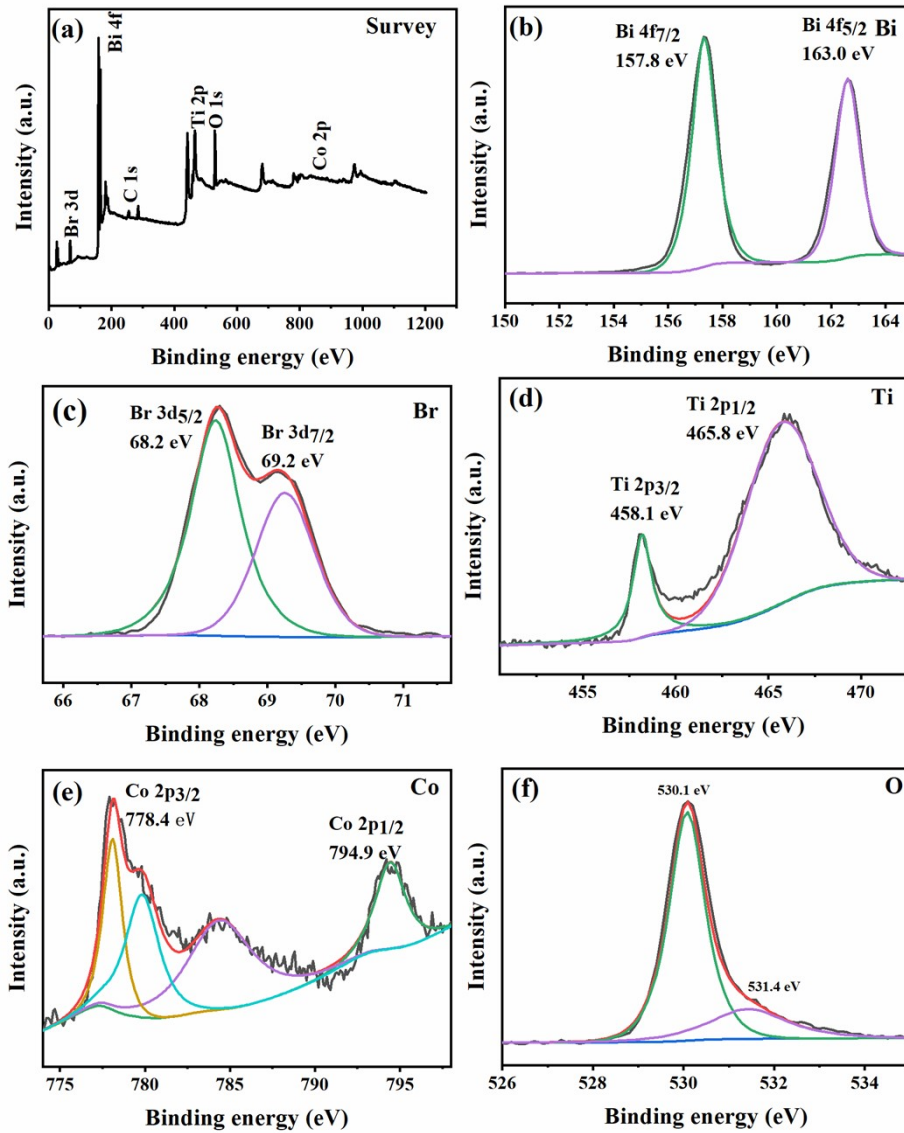
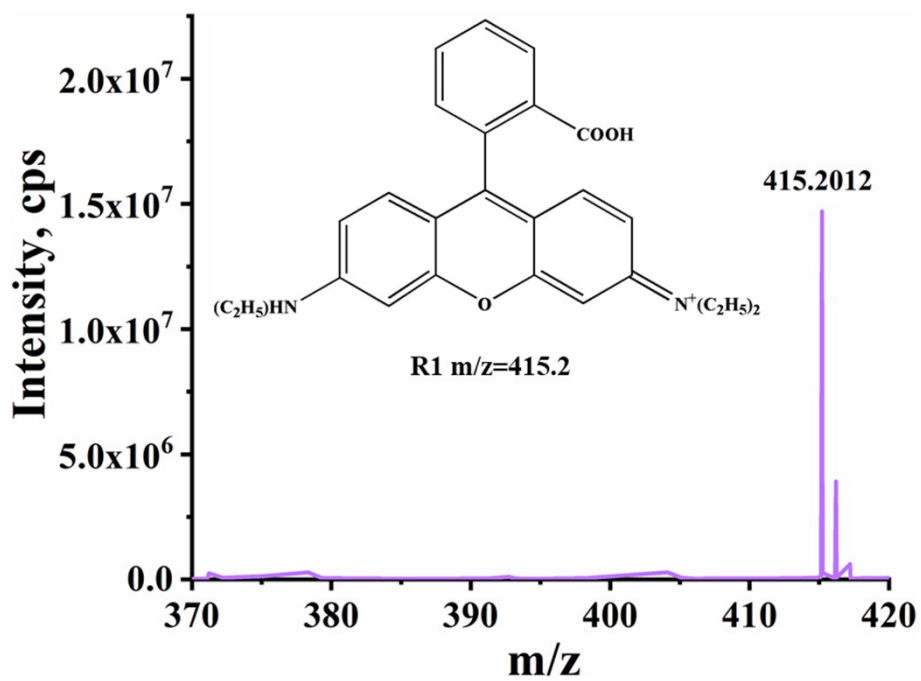
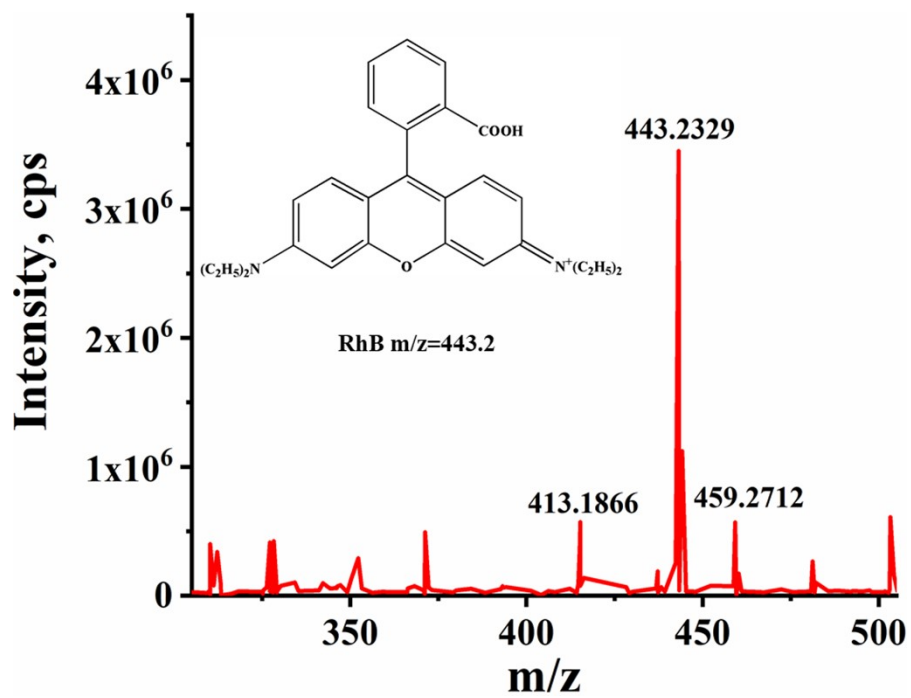
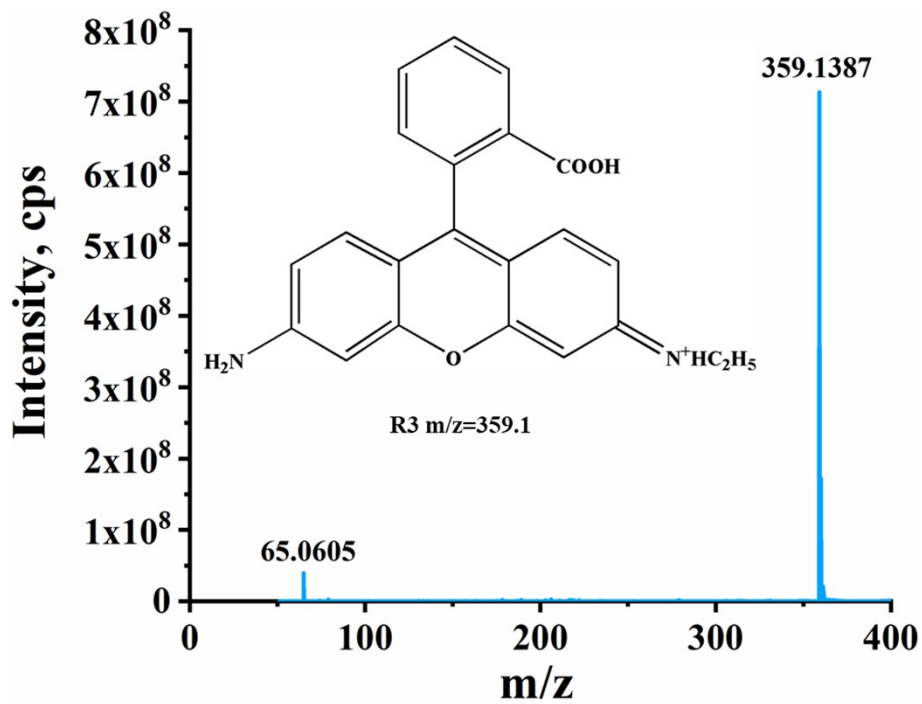
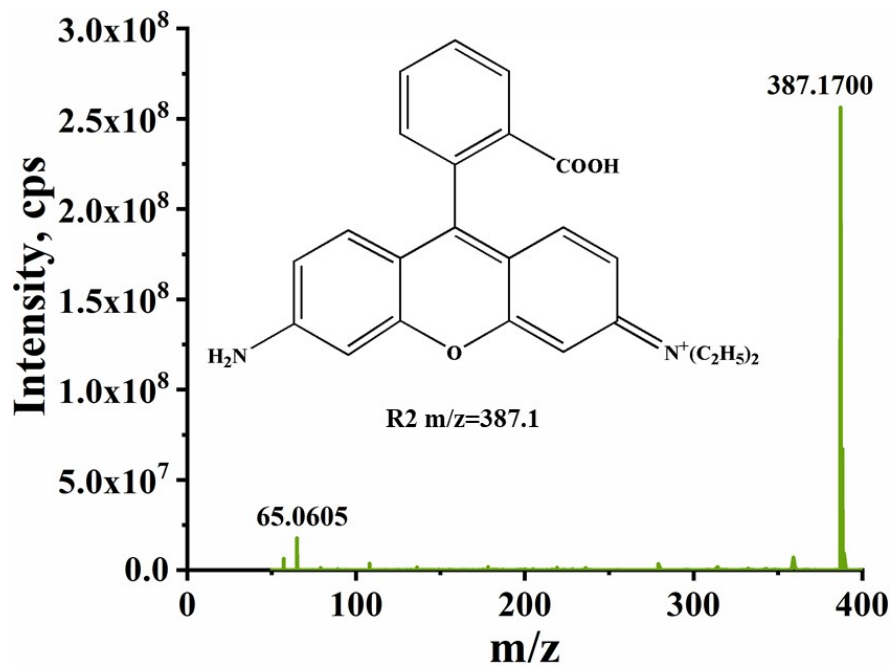


Fig. S3. XPS spectra of (b) Bi 4f, (c) Br 3d, (d) Ti 2p, (e) Co 2p and (f) O for CTBB-5 after the catalytic reaction.





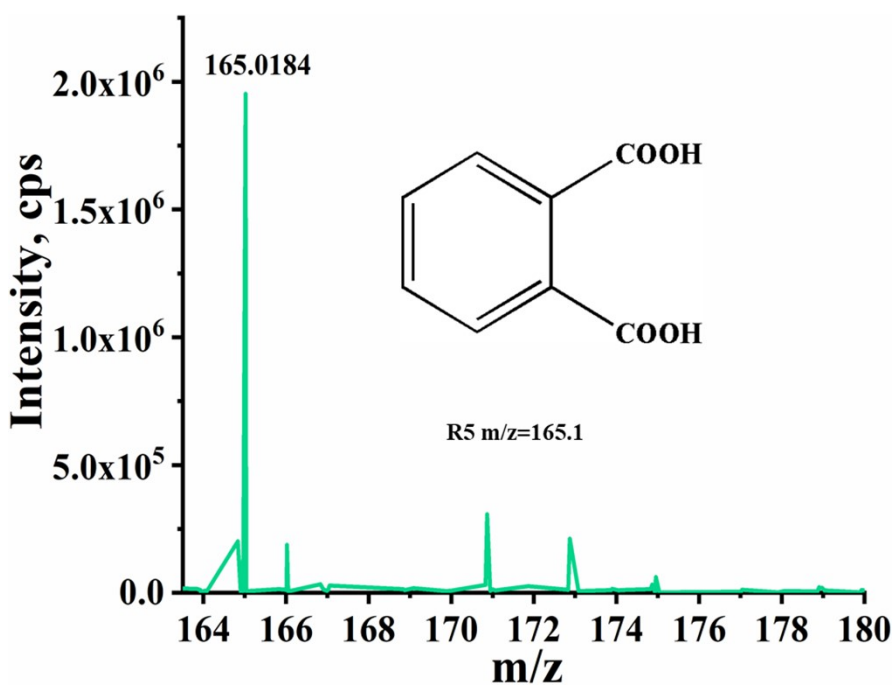
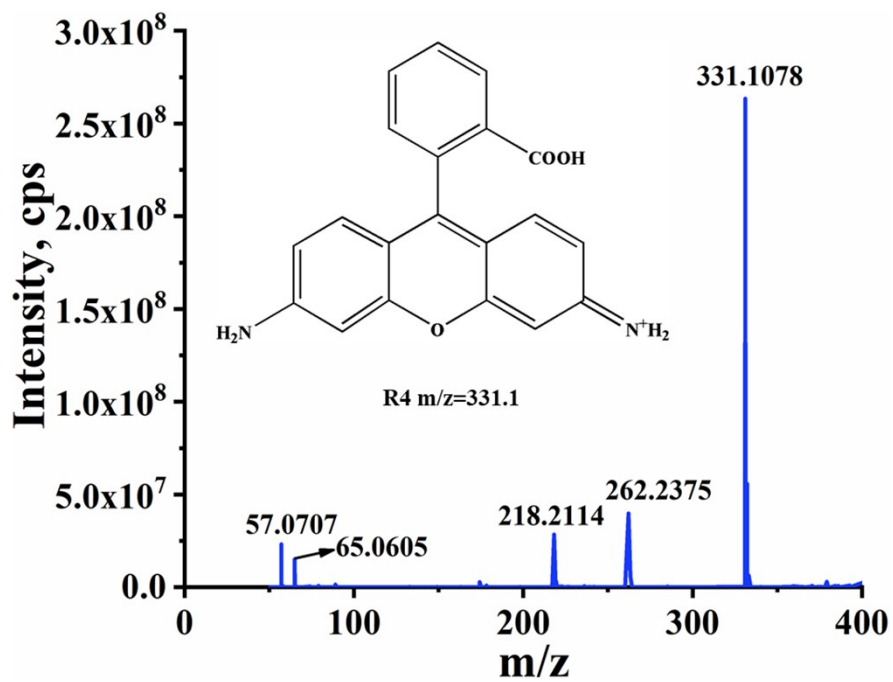


Fig. S4. Mass spectra of RhB and its transformation products.

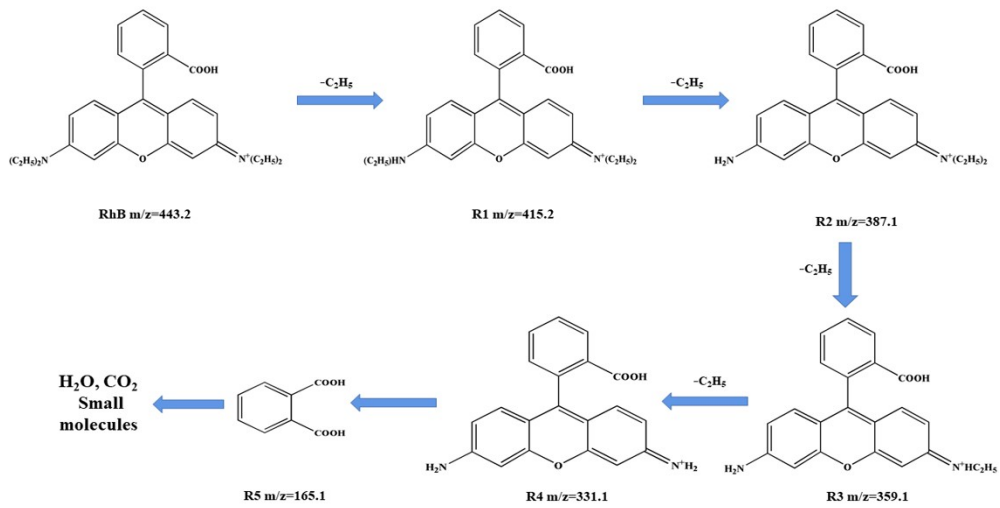


Fig. S5. Possible degradation pathway of RhB in the CoTiO₃/BiOBr system.