Supporting Information

Ternary Ag/BiOBr/rGO nanoflower composite as a highly efficient photocatalyst for Rhodamine B and formaldehyde degradation

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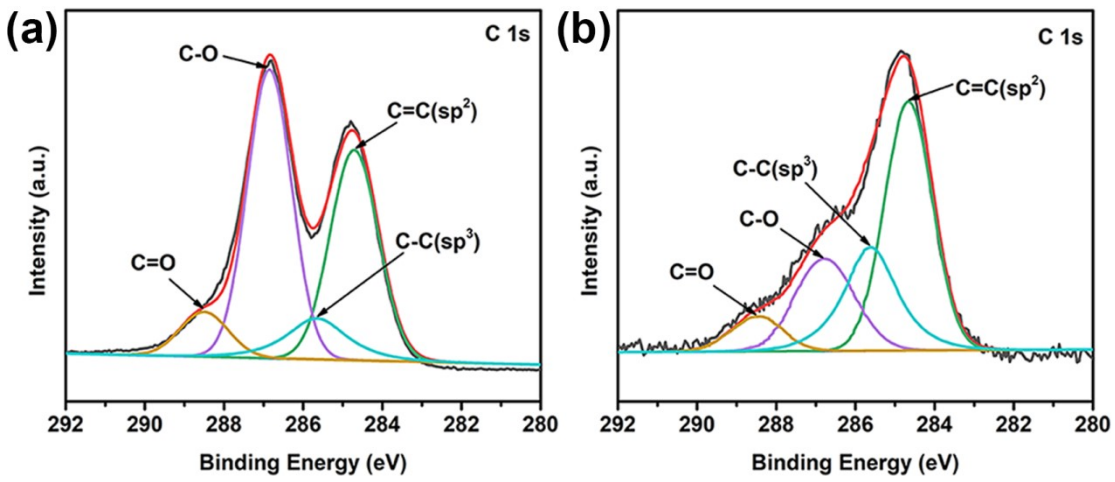

Fig. S1. (a) XPS spectra of GO, (b) XPS spectra of Ag/BiOBr/rGO-4.

Table S1. The C 1s peak position and the relative atomic percentage of various functional groups in GO and Ag/BiOBr/rGO-4

Fitting of the C 1s peak Binding energy [eV] (relative atomic percentage [%])				
	C=C(sp²)	*C-C(sp³)*	*C-O*	*C=O*
GO	284.6(36.4)	285.6(9.7)	286.8(46.1)	288.5(7.8)
Ag/BiOBr/rGO-4	284.6(46.1)	285.6(23.8)	286.7(22.9)	288.4(7.2)

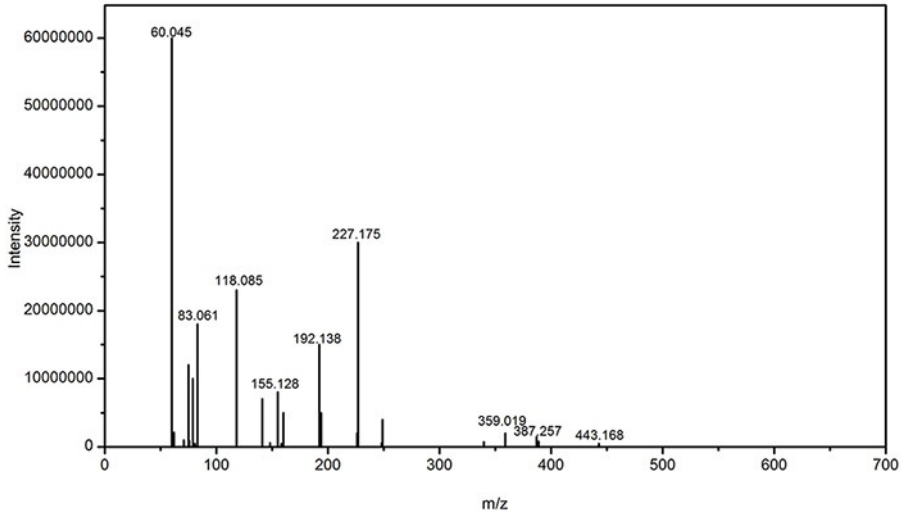

Fig. S2. Chromatograms monitored in HPLC/MS corresponding to solutions of RhB.

The intermediate species and degradation pathway of RhB was testedby HPLC/MS. C18 column, UV detector (λ= 227nm), and acetonitrile/water (60/40, v/v) was used as a mobile phase at a flow rate of 1.0 mL/min.