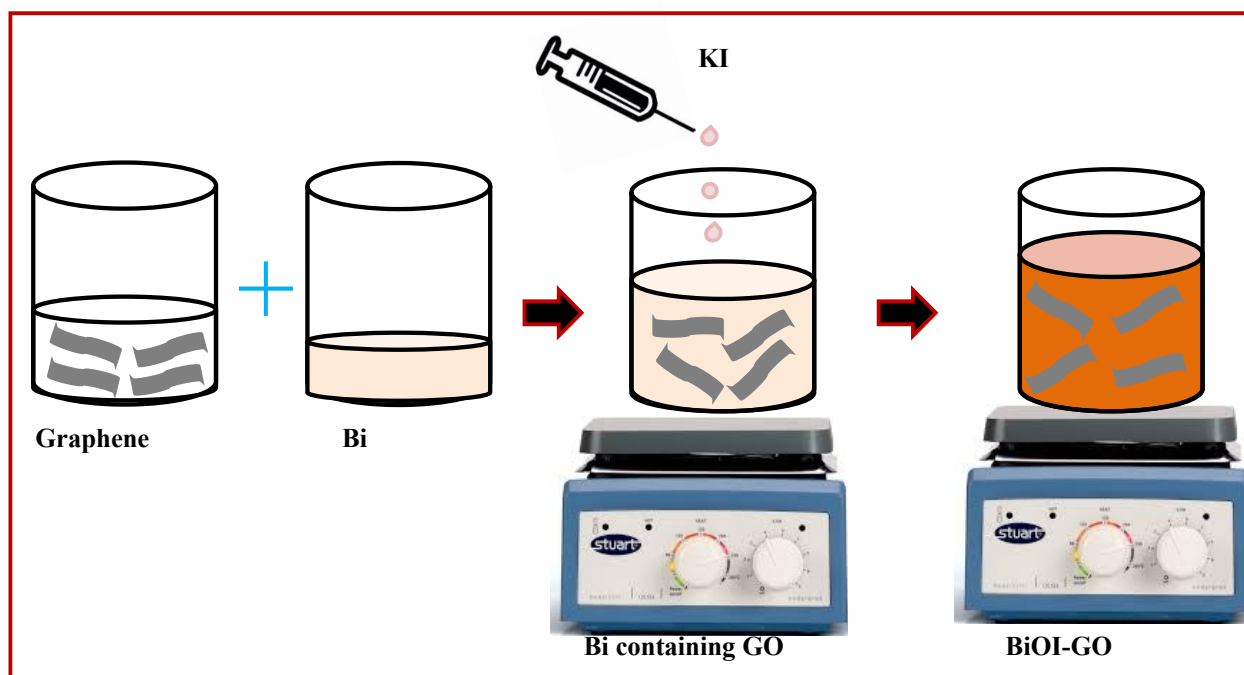


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Electronic Supporting information

Scheme 1



Scheme 1 Reaction schematic of BiOI-GO nanocomposite.

ESI Figure 1

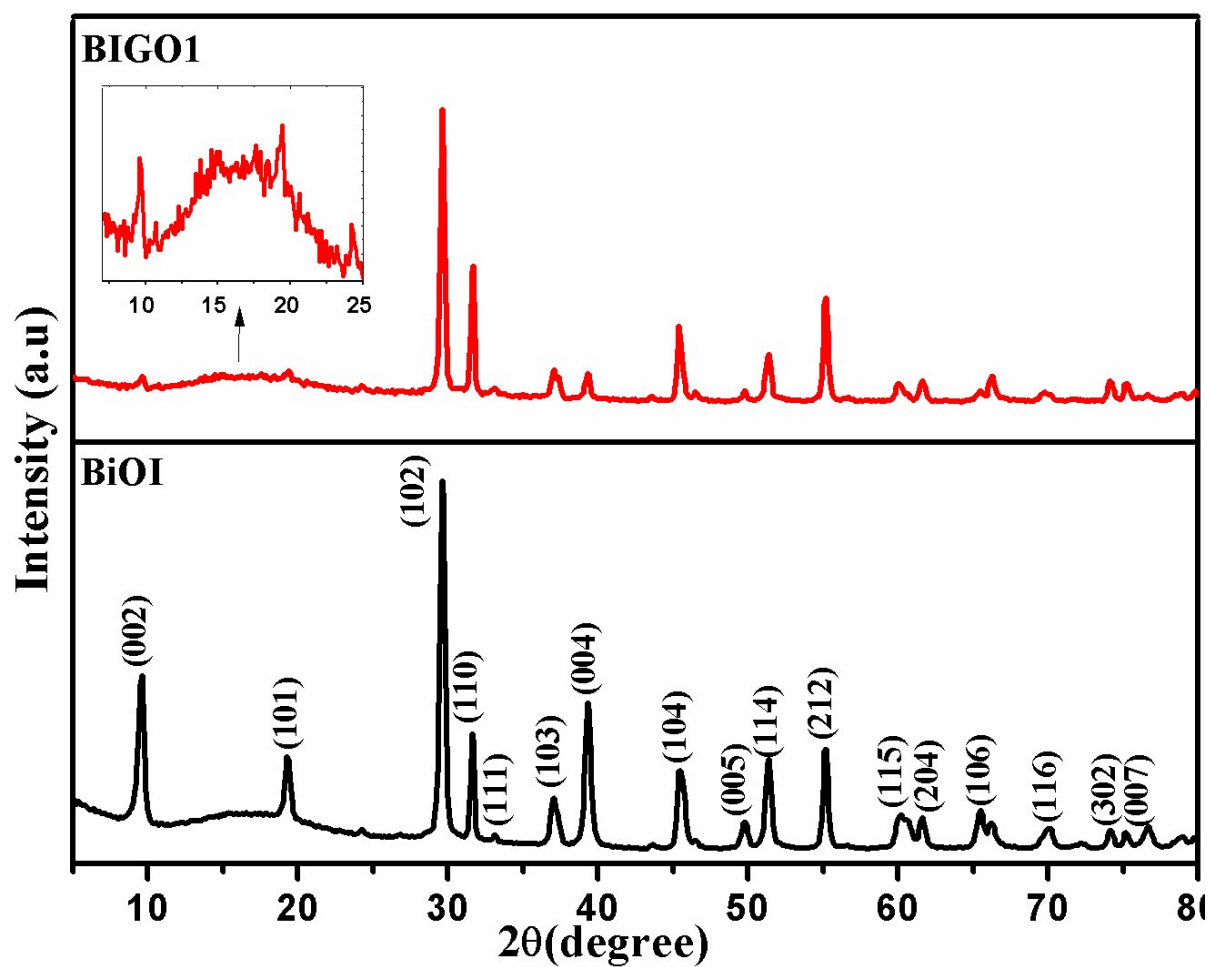


Figure 1 XRD pattern of BiOI (black in colour) and BIGO1 (red in colour).

ESI Figure 2

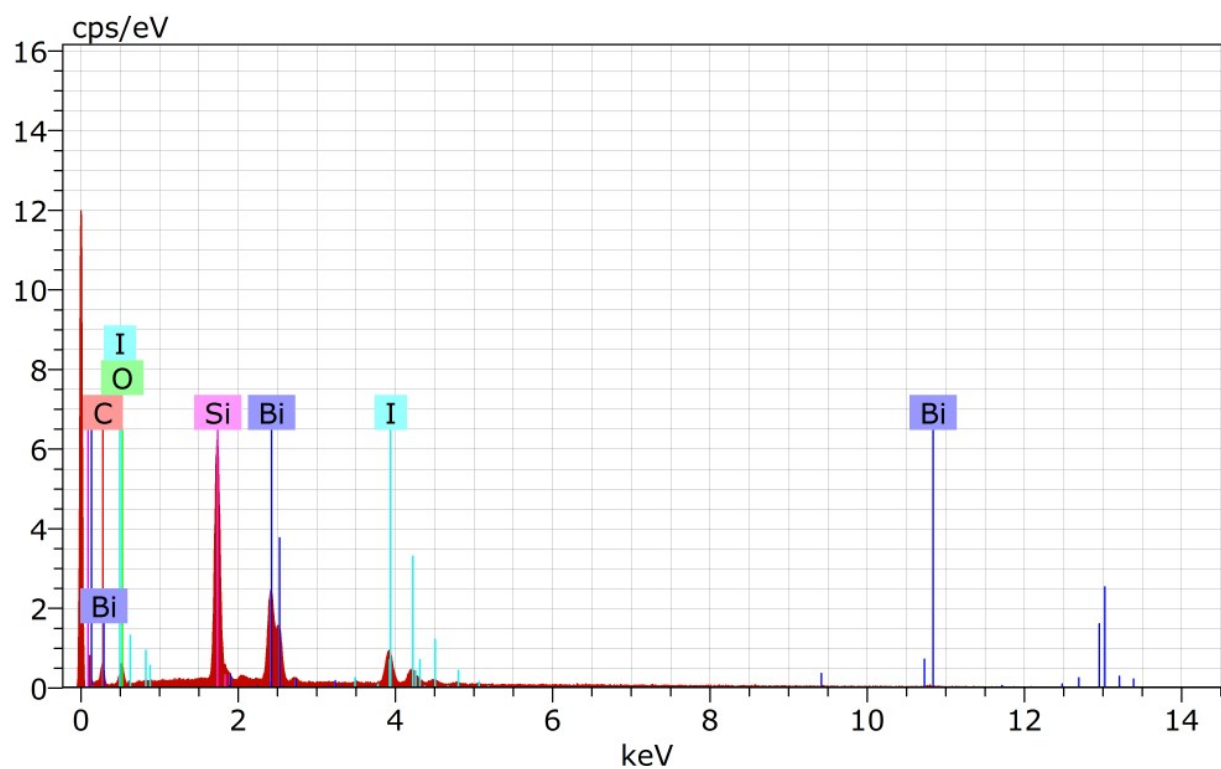


Figure 2 EDS Spectrum of the BIGO1 nanocomposite.

ESI Figure 3

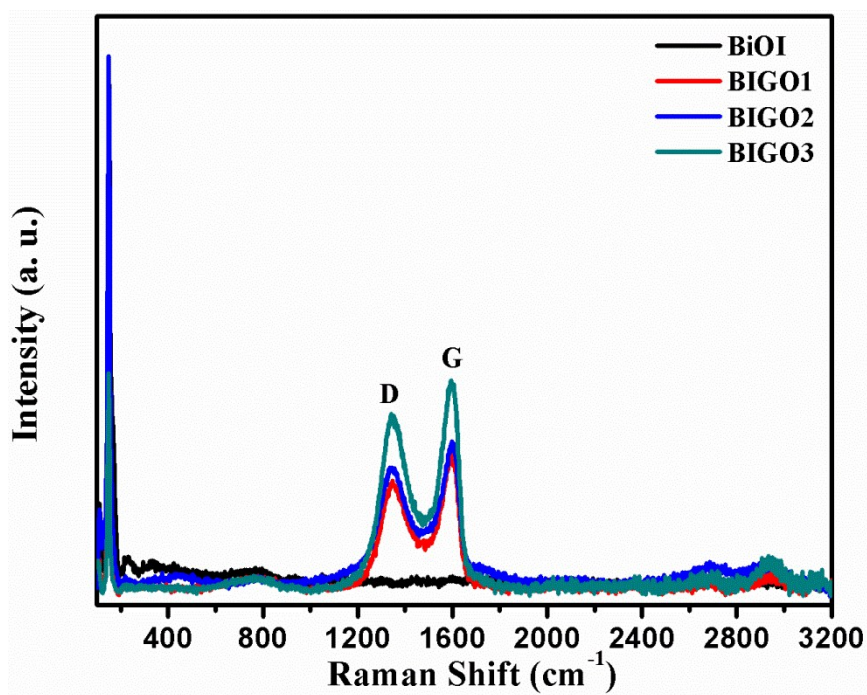


Figure 3 Raman spectrums of as-synthesized samples.

ESI Figure 4

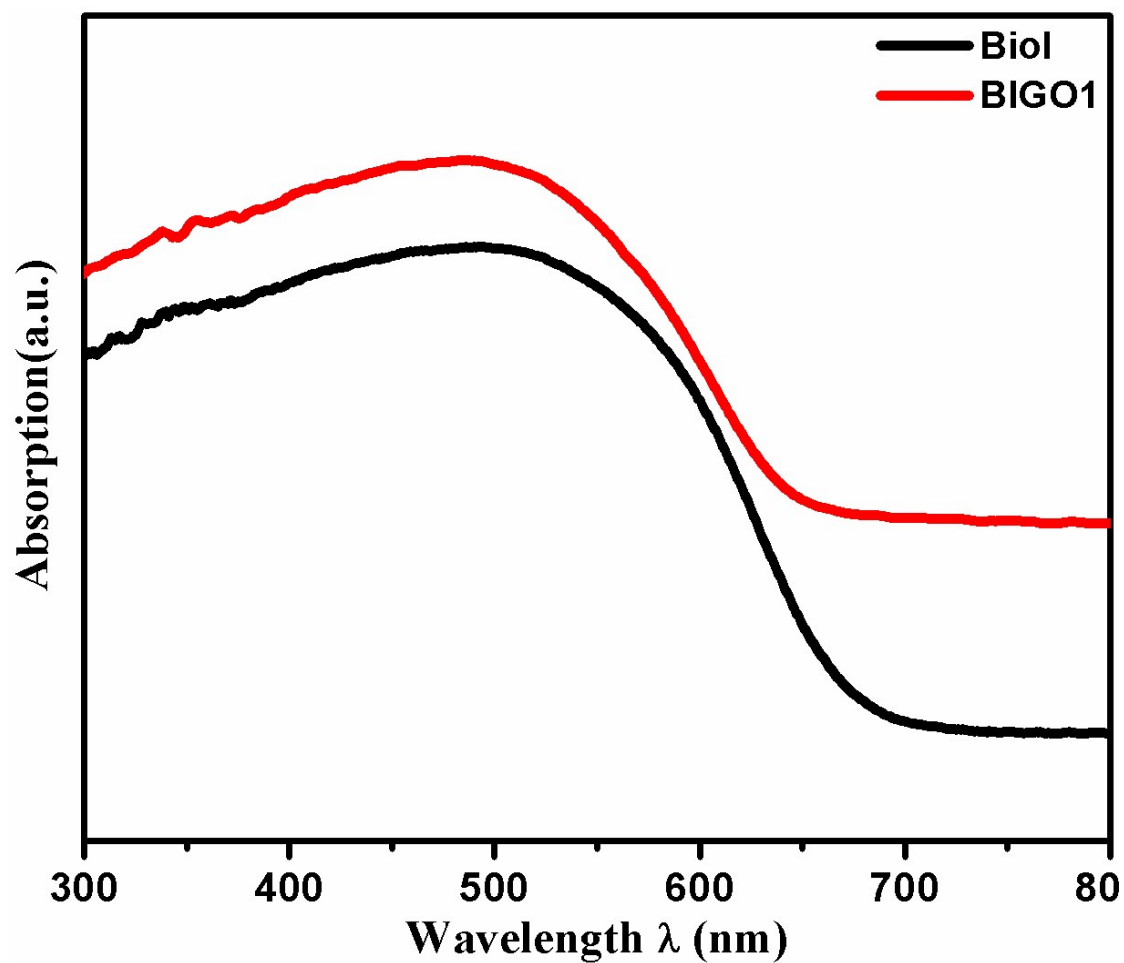


Figure 4 UV-vis spectrum of BiOI (black in color) and BIGO1 nanocomposites (red in color).

ESI Figure 5

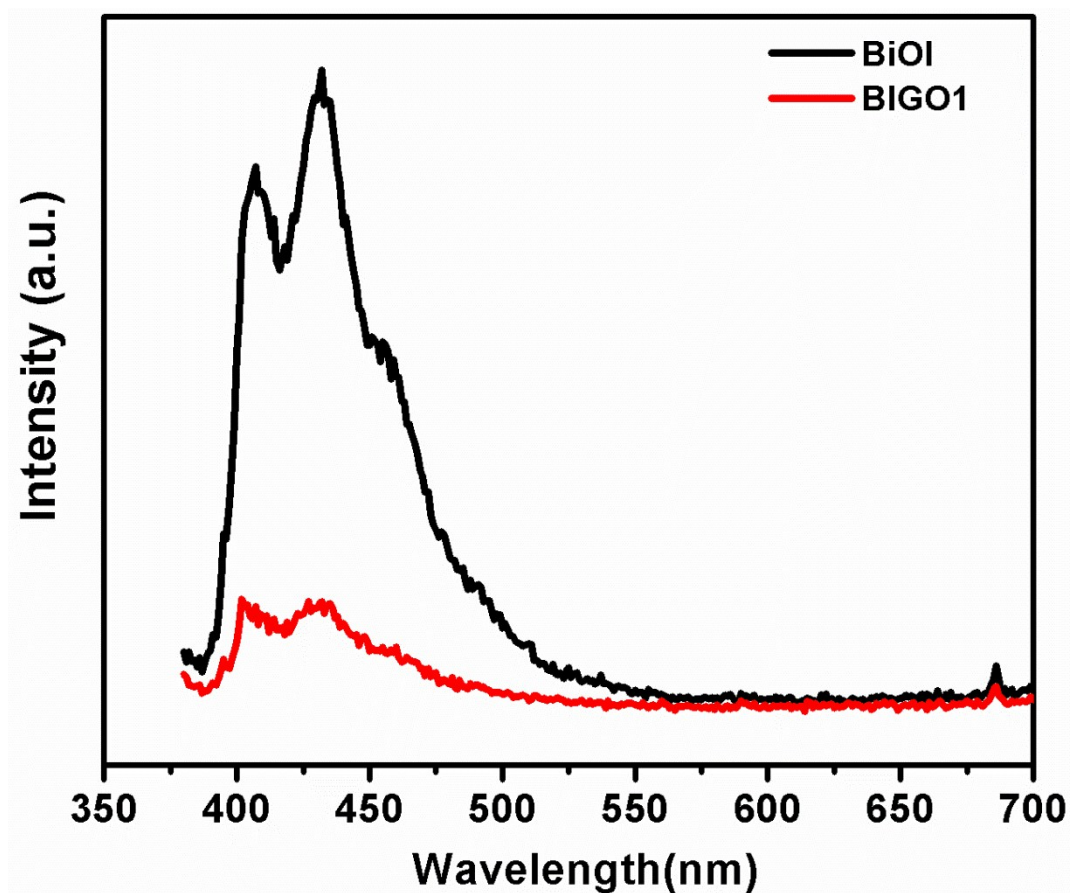


Figure 5 PL spectrum of BiOI (black in color) and BIGO1 nanocomposites (red in color).

ESI Figure 6

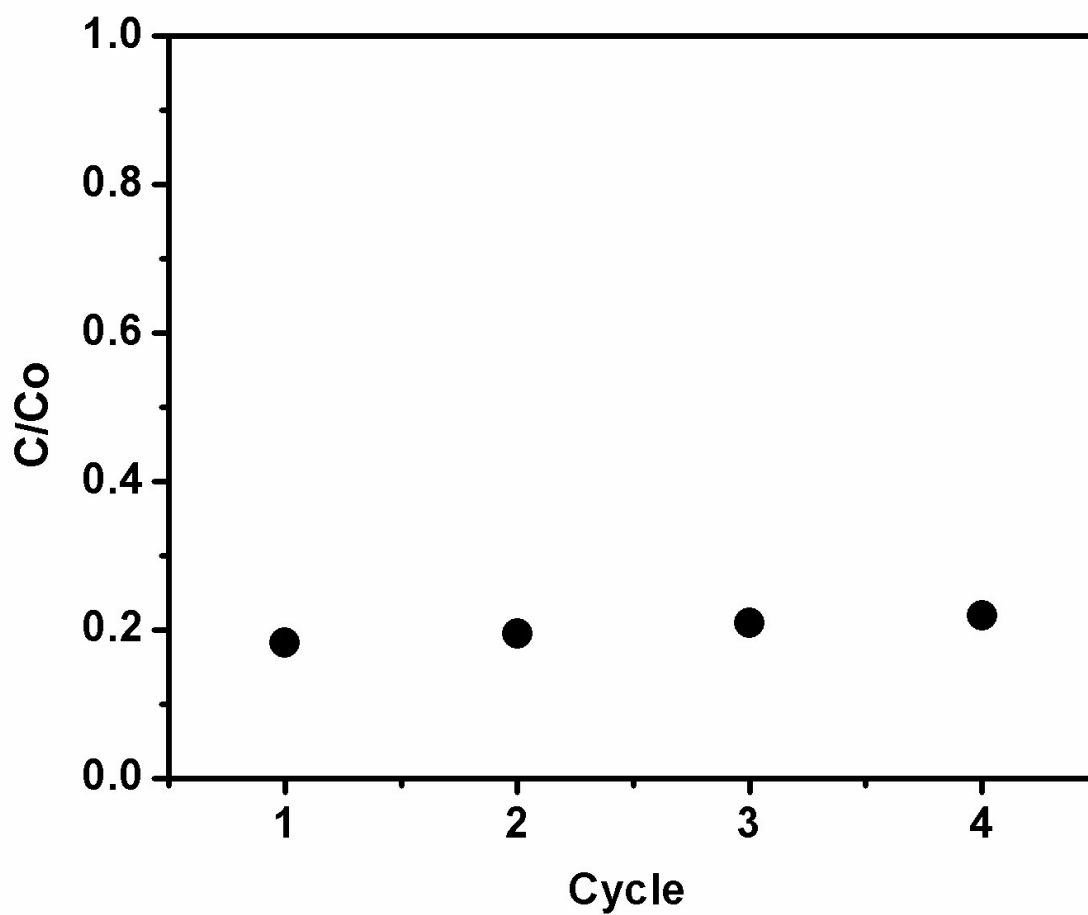


Figure 6 Photocatalytic stability of BIGO1 sample on the degradation of MO under visible light irradiation.

ESI Figure 7

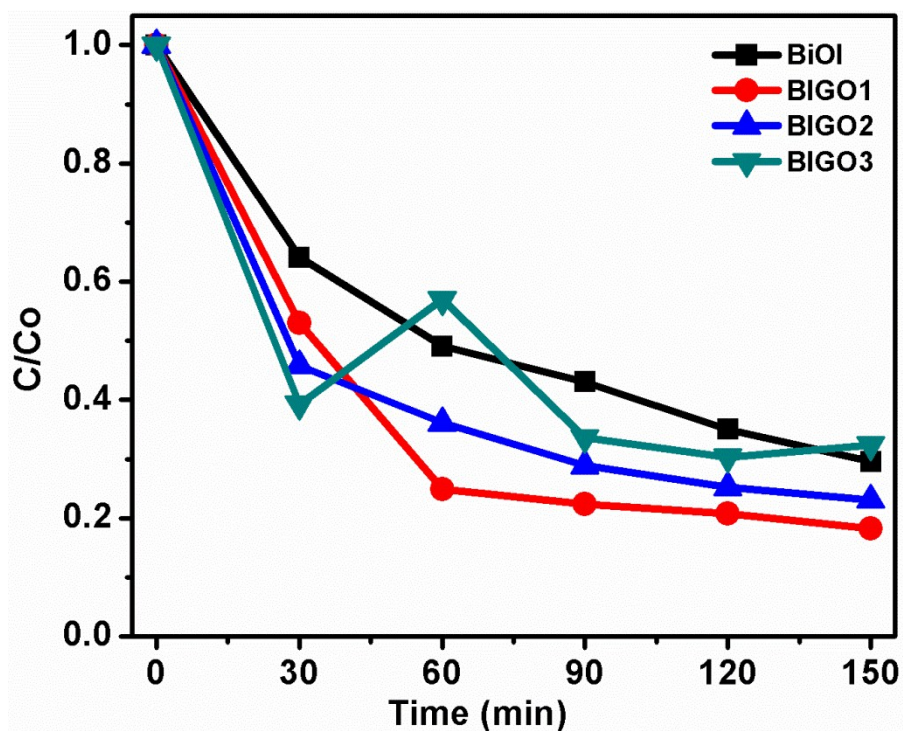


Figure 7 Photocatalytic activities of BiOI and BiOI–GO nanocomposites samples on the degradation of MO under visible light irradiation.