

Supplementary Information

An *in situ* gelatin-assisted hydrothermal synthesis of ZnO-reduced graphene oxide composites with enhanced photocatalytic performance under ultraviolet and visible lights

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Supplementary Information List:

Fig.S1 Photographs of ZnO and ZnO-RGO composites with different weight ratios of RGO.

Fig.S2 EDX and element content in ZnO-77.8 wt.% RGO composite.

Fig.S3 Polt of pore surface area vs. pore diameter of ZnO-49.5 wt.% RGO.

Fig.S4 XPS analysis of survey of GO (a) and ZnO-77.8 wt.% RGO composite (b).

Fig.S5 The concentration changes (C/C_0) of MB with RGO and ZnO-49.5 wt.% during stirring in the dark.

Tab.S1 Atomic percent of elements on the surface of GO and ZnO-77.8 wt.% RGO composite determined by XPS analysis.

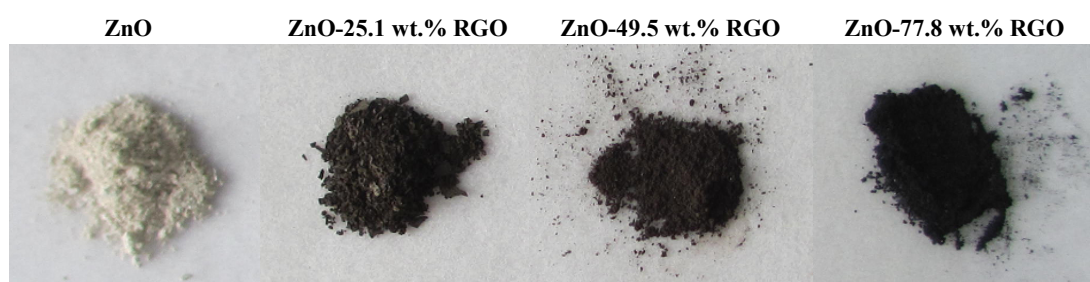


Fig.S1 Photographs of ZnO and ZnO-RGO composites with different weight ratios of RGO.

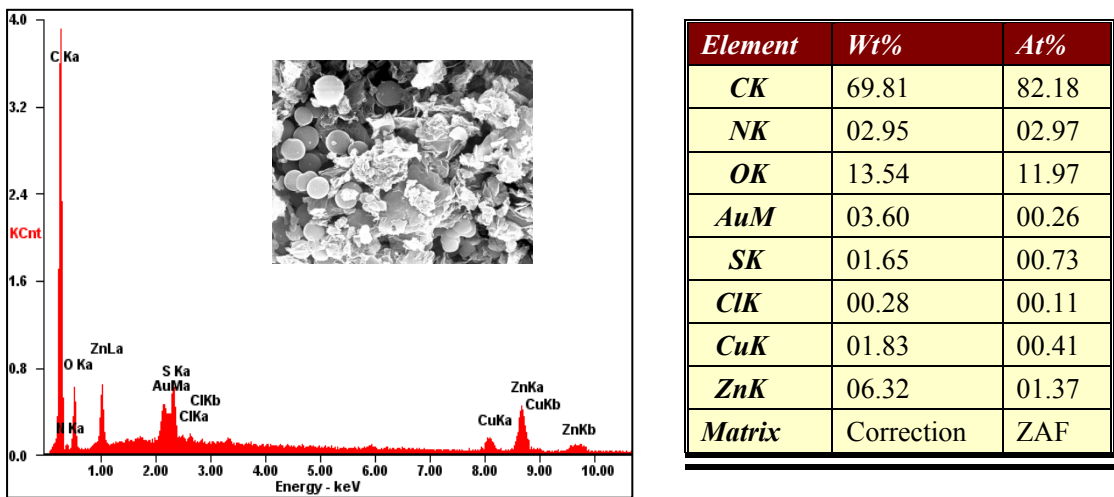


Fig.S2 EDX and element content in ZnO-77.8 wt.% RGO composite.

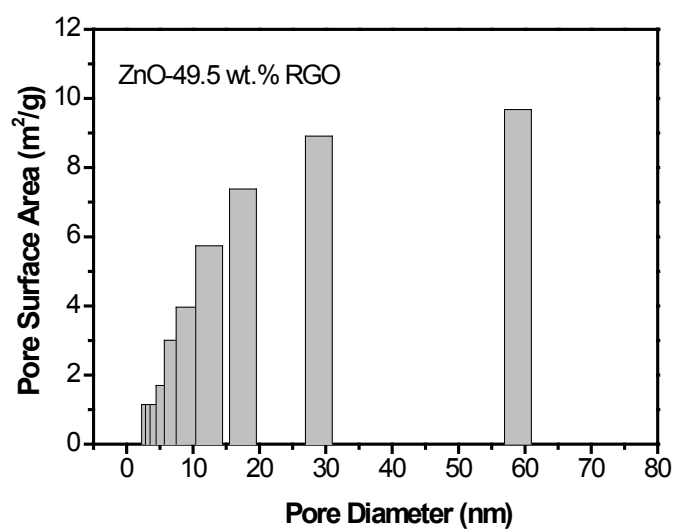


Fig.S3 Polt of pore surface area vs. pore diameter of ZnO-49.5 wt.% RGO.

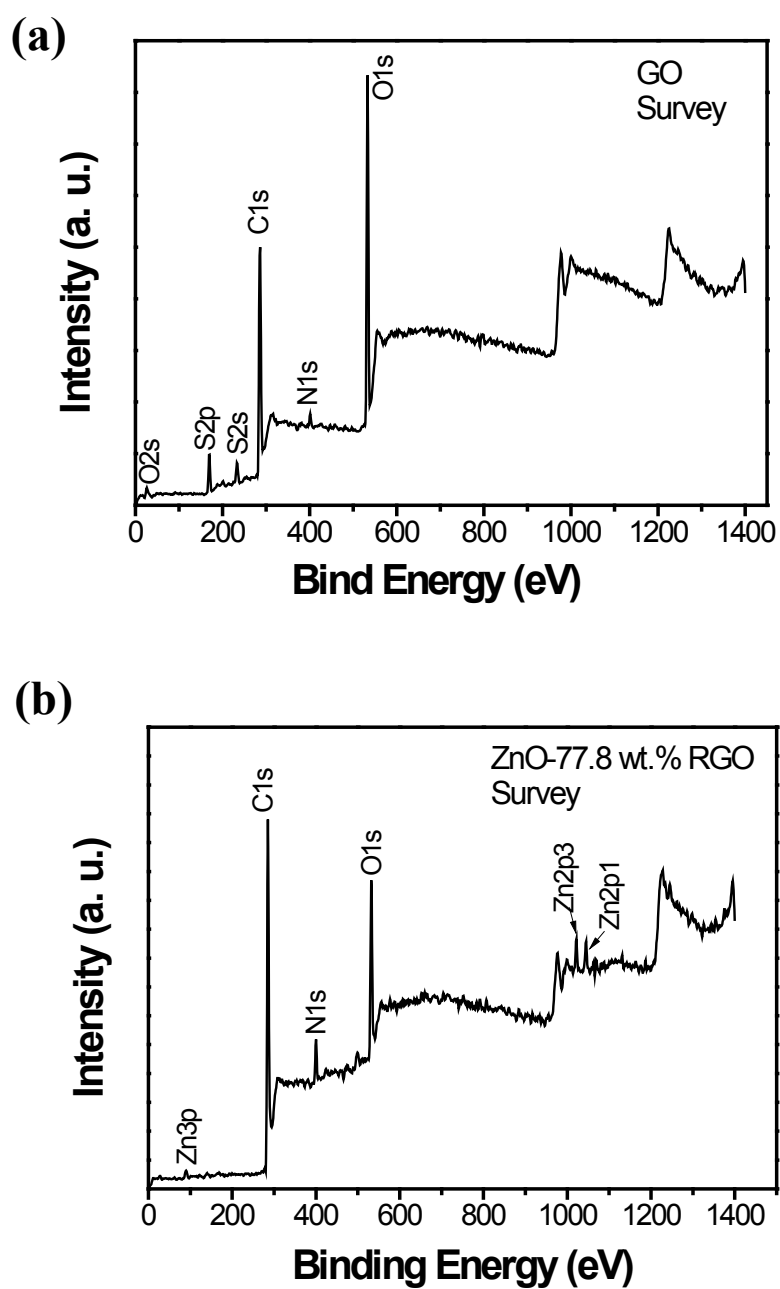


Fig.S4 XPS analysis of survey of GO (a) and ZnO -77.8 wt.% RGO composite (b).

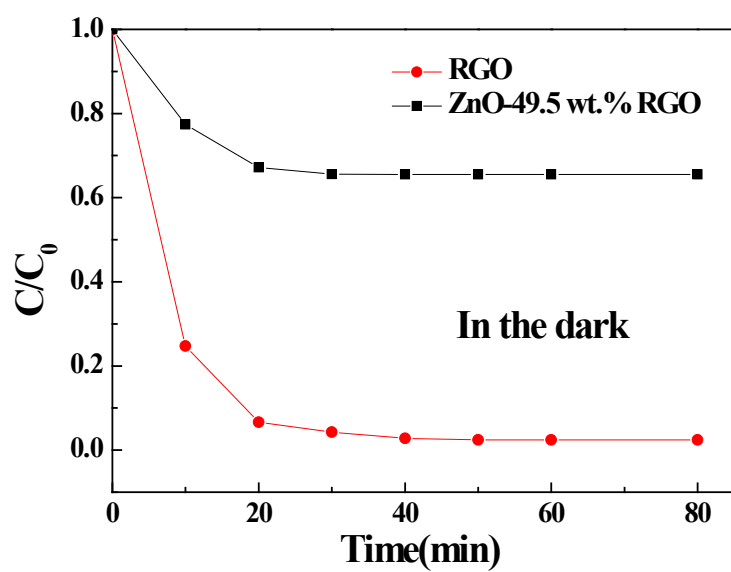


Fig.S5 The concentration changes (C/C_0) of MB with RGO and ZnO-49.5 wt.% during stirring in the dark.

Tab.S1 Atomic percent of elements on the surface of GO and ZnO-77.8 wt.% RGO composite determined by XPS analysis.

Sample	In atomic % from XPS					
	C	O	Zn	N	S	Cl
GO	62.64	31.94	0	1.12	4.09	0.21
ZnO-77.8 wt.% RGO	78.43	15.39	0.51	5.67	0	0