Supporting Information

UV light assisted synthesis of ternary reduced graphene oxide hybrid materials and their photocatalytic performance

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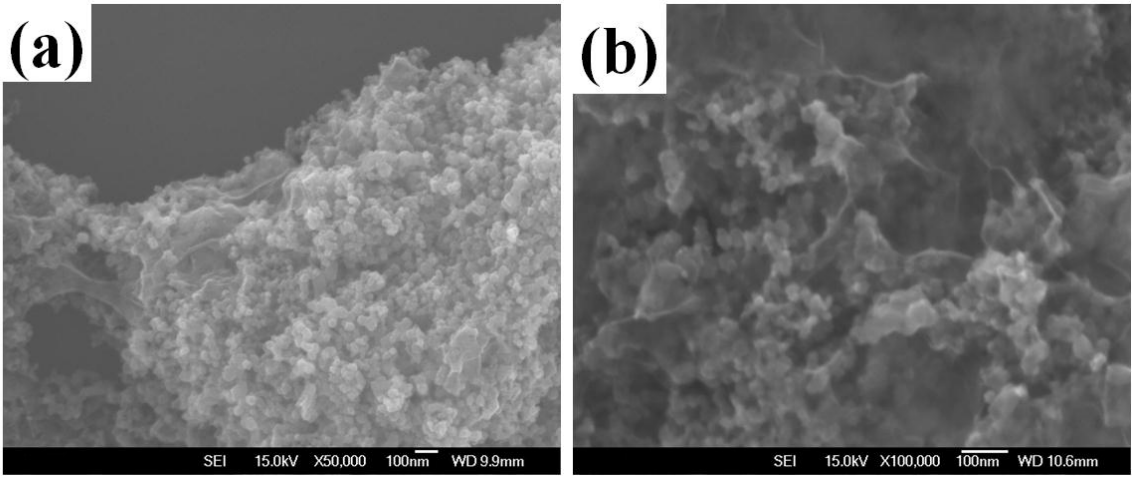

Fig S-1: SEM images of Pt-RGO/P25.

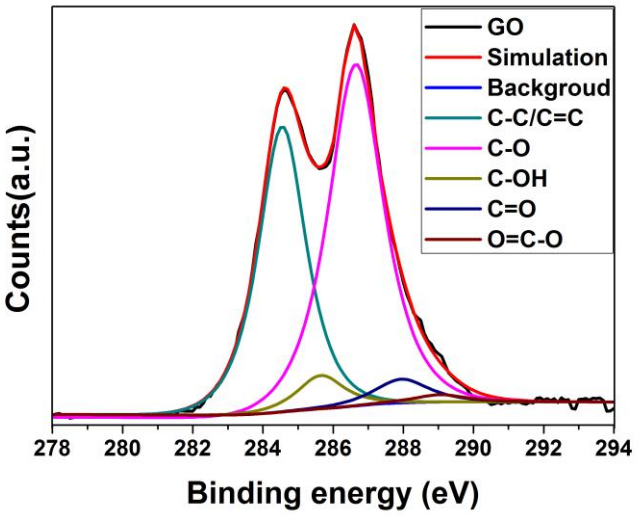

Fig S-2. C1s XPS spectrum of GO.

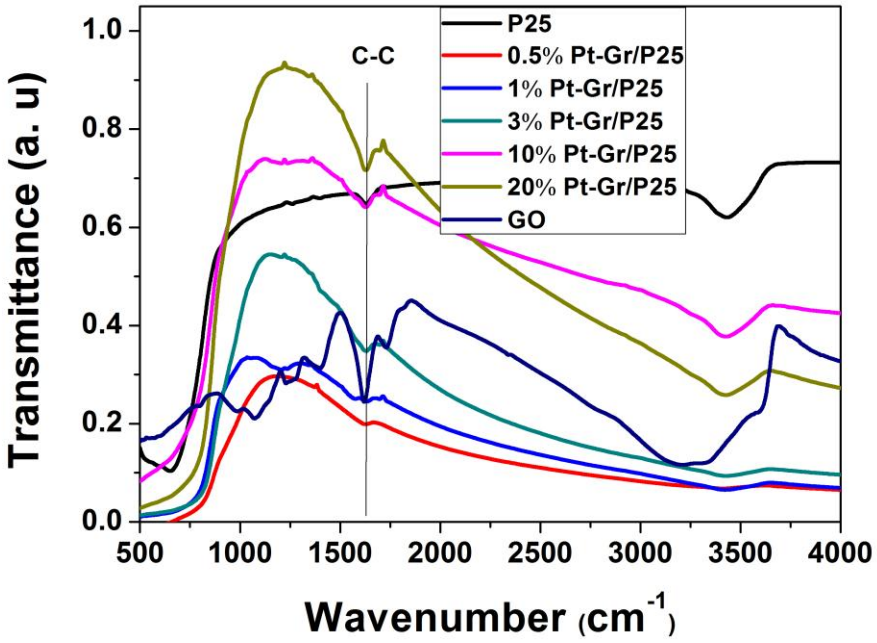

Fig S-3. FT-IR spectra of P25, GO and Pt-RGO/P25.

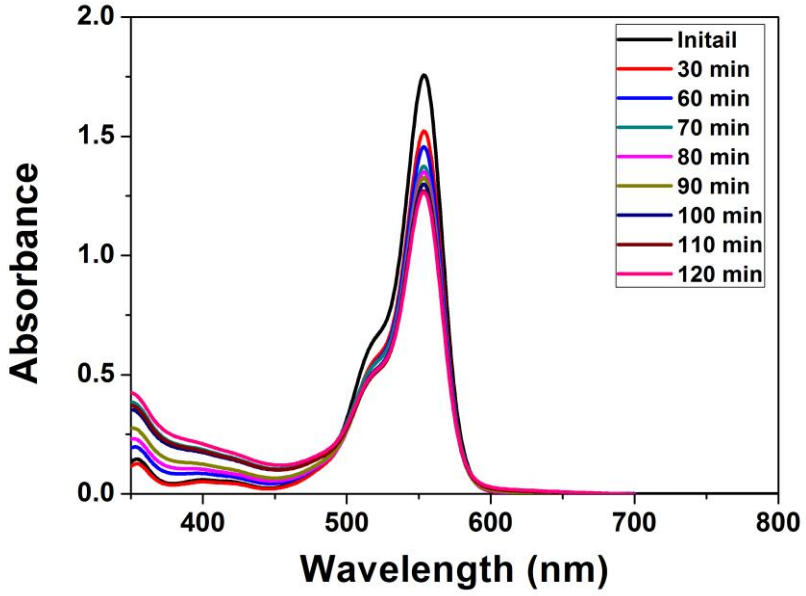

Fig S-4. Time-online adsorption spectra of Rh.B over 3 Pt-RGO/P25 for 120 min in the dark condition.

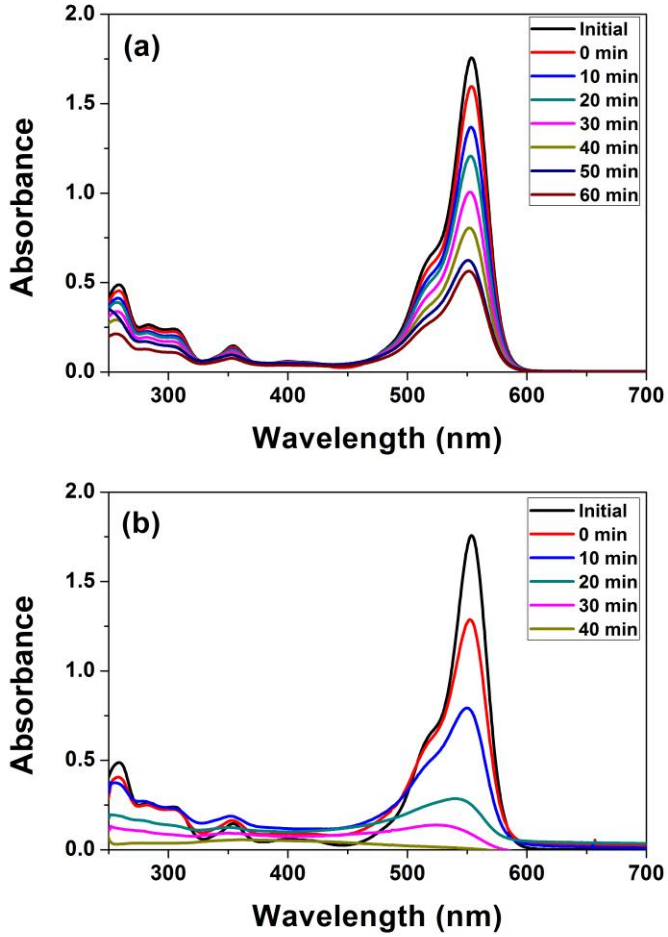

Fig S-5. UV-Vis spectra of Rh.B concentration against P25 (a) and 3 Pt-RGO/P25 (b) composite under UV light as time function.

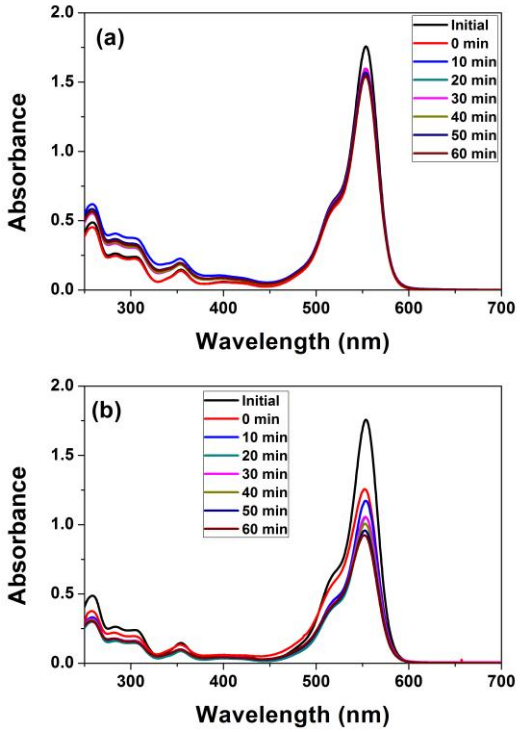

Fig S-6. UV-Vis spectra of Rh.B concentration against P25 (a) and 3 Pt-RGO/P25 (b) composite under $\lambda > 600$ irradiation as time function.