Supplementary Information

Carbonaceous layer interfaced TiO$_2$/RGO hybrids with enhanced visible-light photocatalytic performance

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Fig. S1 XRD patterns of TiO$_2$@C samples.
**Fig. S2** XRD patterns of graphene oxide and reduced graphene oxide after solvothermal process at 120 °C for 3 hours.

**Fig. S3** The average size of the TiO$_2$@C/RGO samples calculated by Nano Measurer software: TiO$_2$@C-pristine/RGO (a), TiO$_2$@C-180/RGO (b), TiO$_2$@C-360/RGO (c), and TiO$_2$@C-450/RGO (d).
Fig. S4 The photography of the TiO$_2$@C/RGO samples: TiO$_2$@C-pristine/RGO (a), TiO$_2$@C-180/RGO (b), TiO$_2$@C-360/RGO (c), and TiO$_2$@C-450/RGO (d).

Fig. S5 Photocatalytic degradation curves of MO within the presence of P25/RGO and TiO$_2$@C-360/RGO.