

## Supporting Information

### Enhanced photocatalytic performances of TiO<sub>2</sub>-graphene hybrids on nitro-aromatics reduction to amino-aromatics

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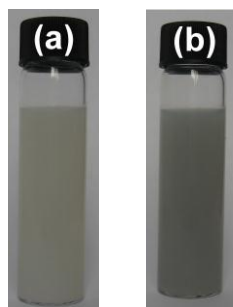


Fig. 1S Typical photos of (a) TiO<sub>2</sub>-GO<sub>1%</sub> and (b) TiO<sub>2</sub>-G<sub>1%</sub> samples.

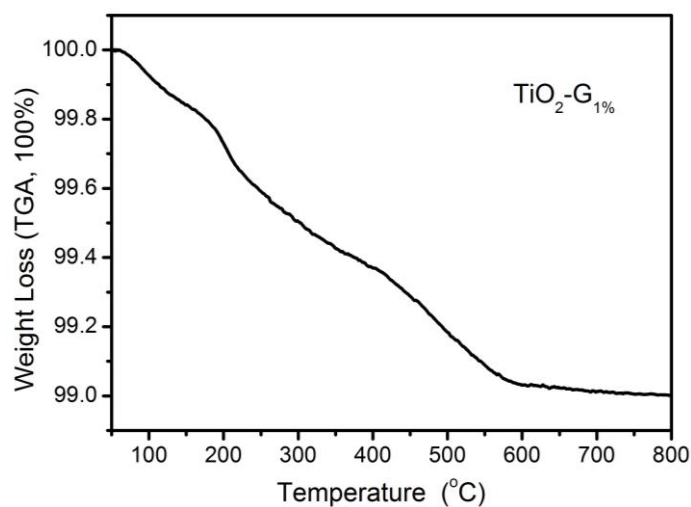


Fig.2S TGA curves of typical TiO<sub>2</sub>-G<sub>1%</sub> samples

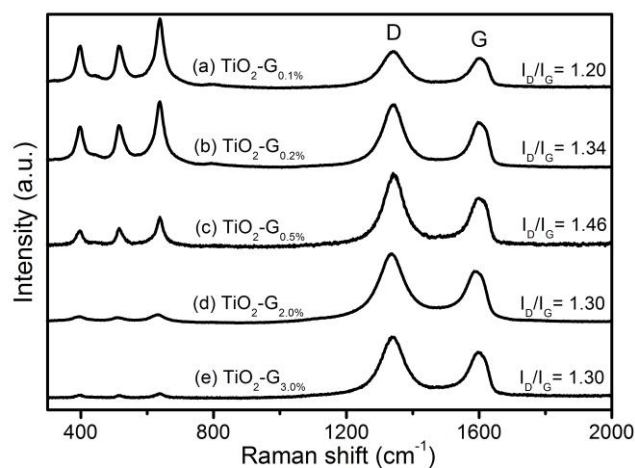


Fig. 3S Raman spectra of TiO<sub>2</sub>-G samples

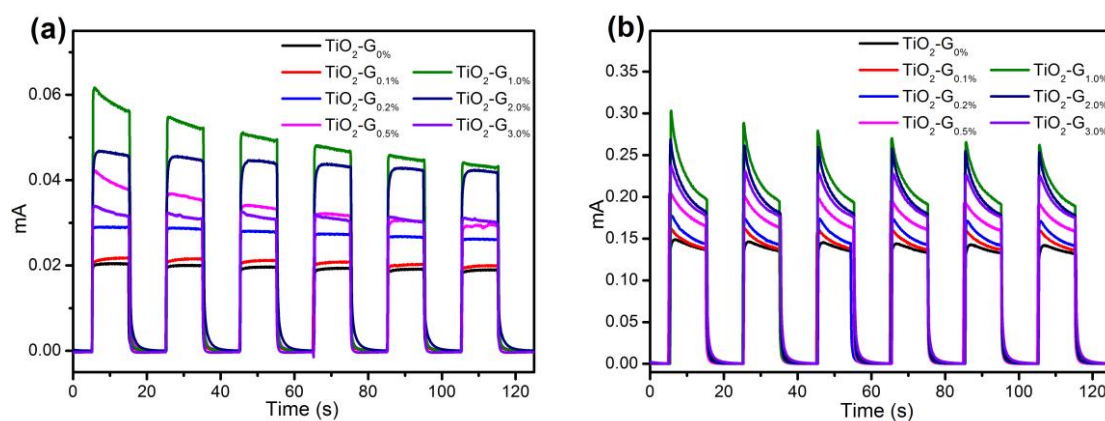


Fig. 4S Photocurrent responses of TiO<sub>2</sub>-G samples: (a) 0.2 M Na<sub>2</sub>SO<sub>4</sub> solution as electrolyte, (b) 0.2 M Na<sub>2</sub>SO<sub>4</sub> solution with oxalic acid (8 mM) as electrolyte.

Table 1S Cycle photocatalysis reduction of 4-nitrophenol over TiO<sub>2</sub>-G<sub>1%</sub> sample

Cycle times	Conversion (%)	Yield (%)
1	100	93.9
2	84.8	83.7
3	74.5	65.5