

**Supporting information**

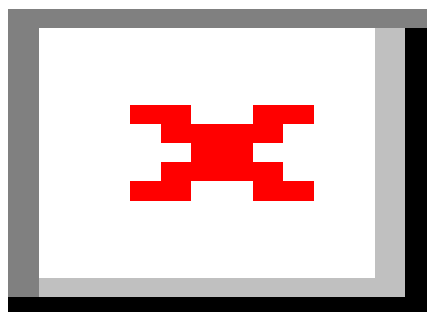
**Solar light driven Rhodamine B degradation over highly active  $\beta$ -SiC—TiO<sub>2</sub> nanocomposite**

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**Fig. S1**

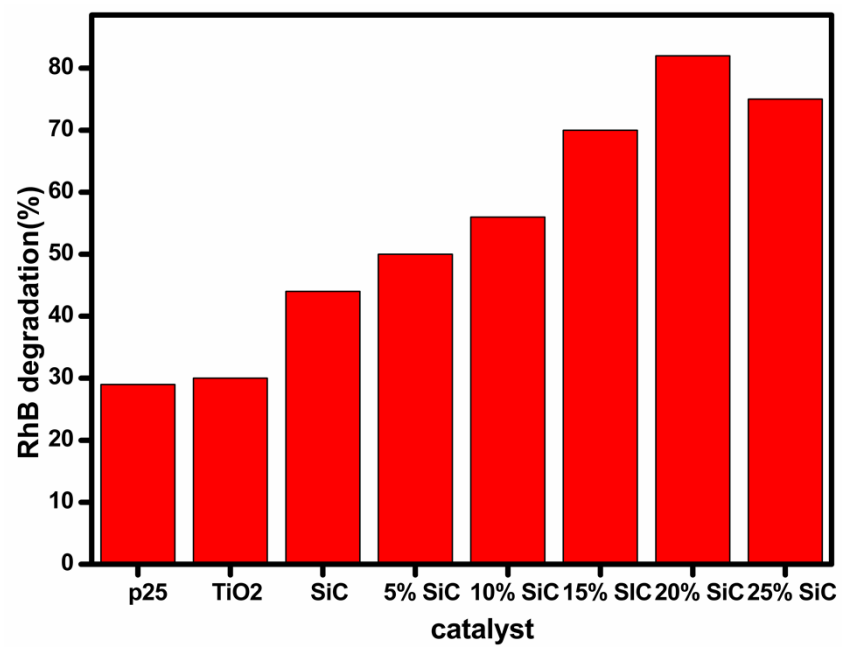


Fig. S2

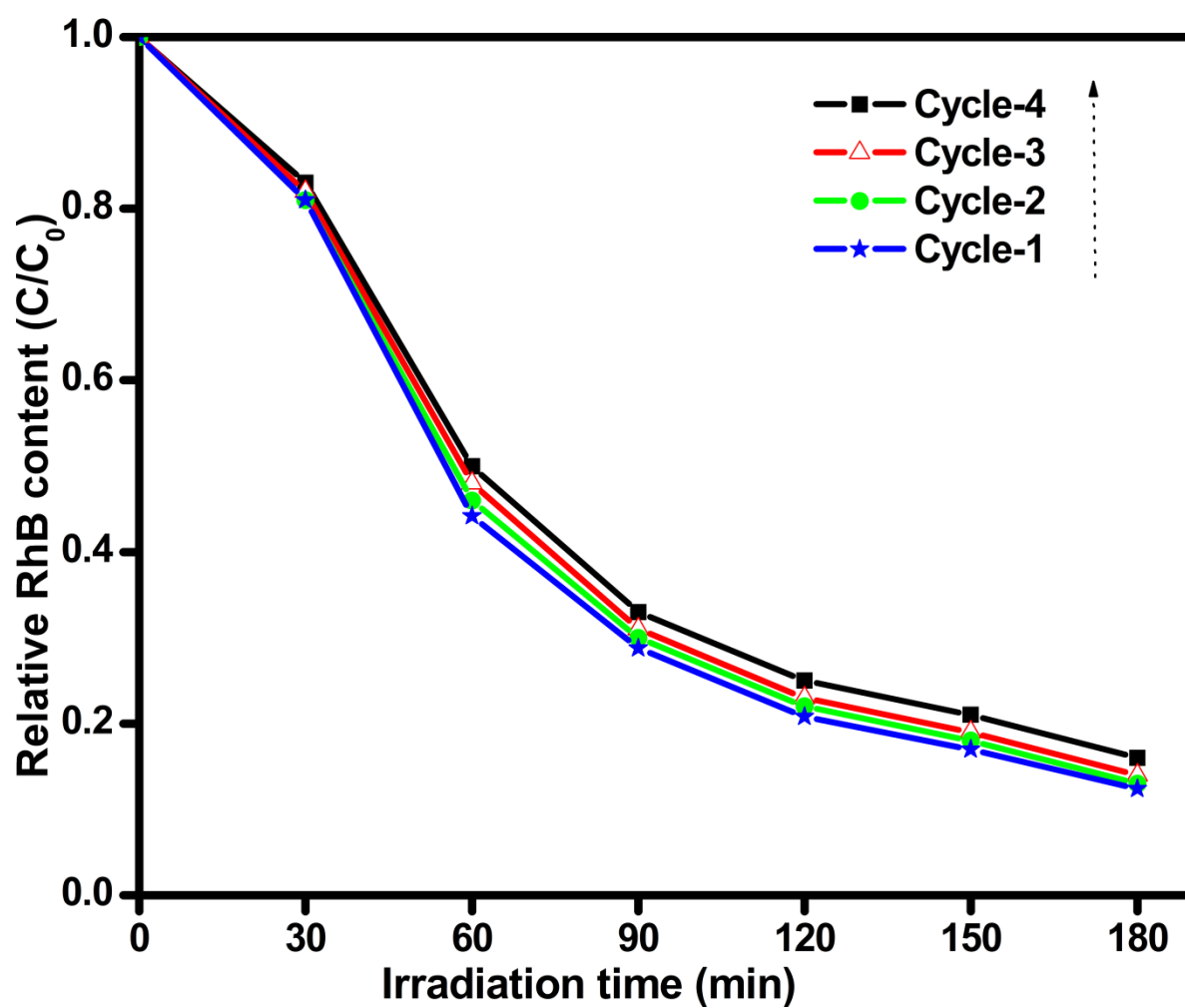


Fig. S3 Recyclability performance of 20 wt%  $\beta$ -SiC—TiO<sub>2</sub> nanocomposite