

Supporting Information for

Highly Crystalline Ti-doped SnO₂ Hollow Structured Photocatalyst with Enhanced Photocatalytic Activity for Degradation of Organic Dyes

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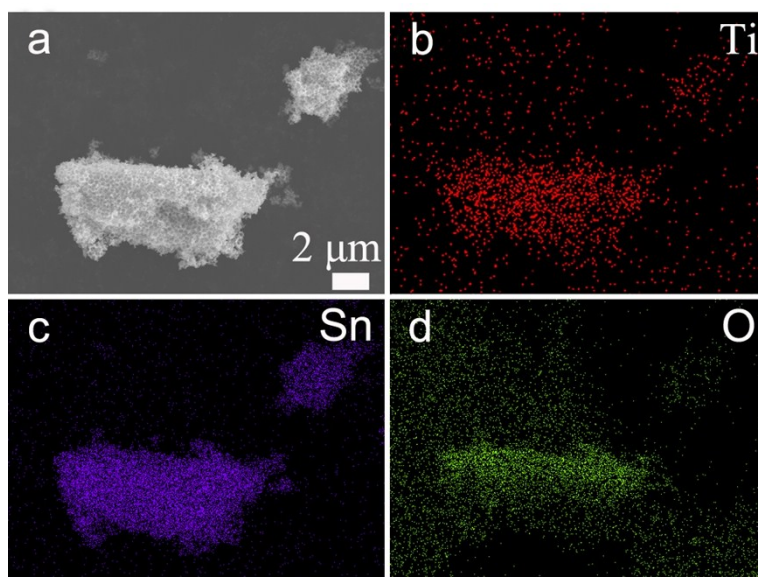


Fig. S1 (a) SEM image of 20%Ti-doped SnO₂. (b) (c) (d) Ti, Sn, O elemental mapping images of 20%Ti-doped SnO₂.

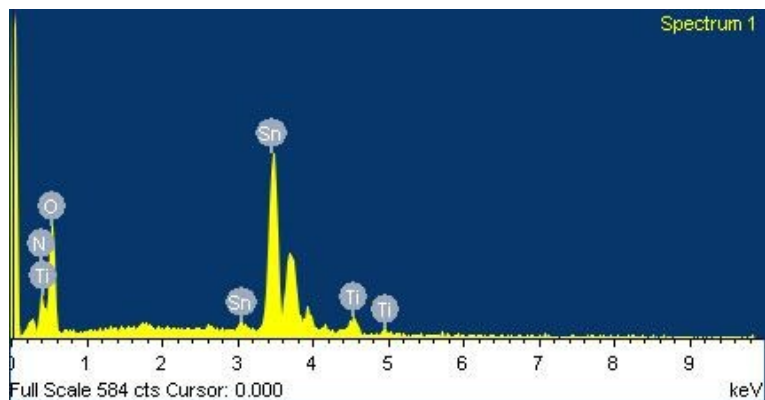


Fig. S2 A typical EDS spectrum for the 20%Ti-doped SnO₂.

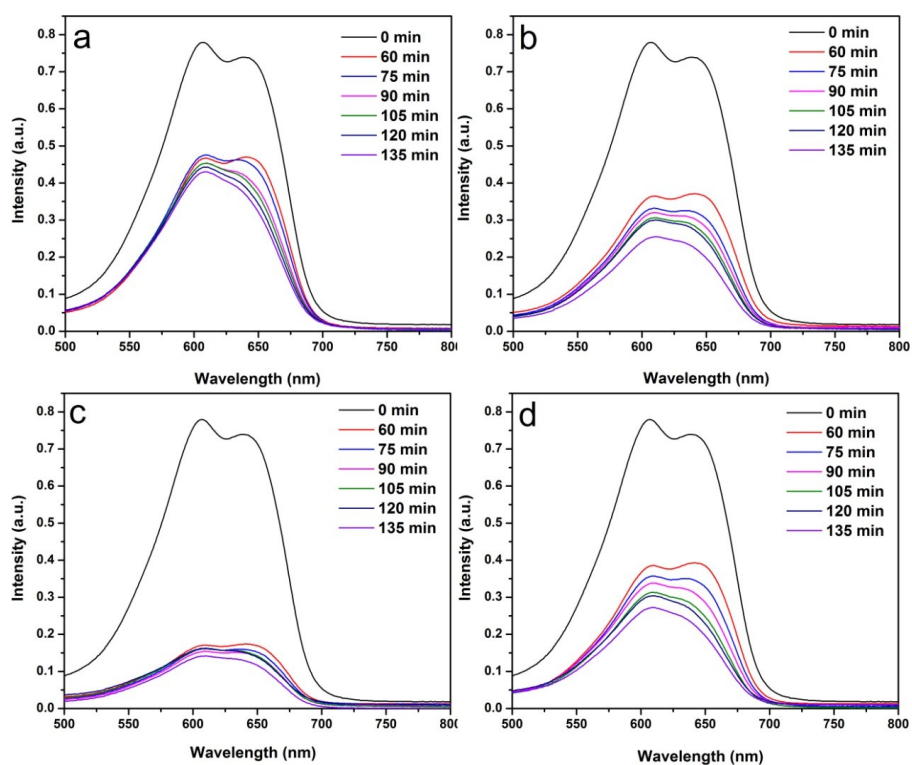


Fig. S3 Absorption spectrum changes of Methylene Blue aqueous solution in the presence of the Ti-doped SnO₂ samples under UV light irradiation (a) SnO₂, (b) (c) (d) 10%, 20%, 50%Ti-doped SnO₂.

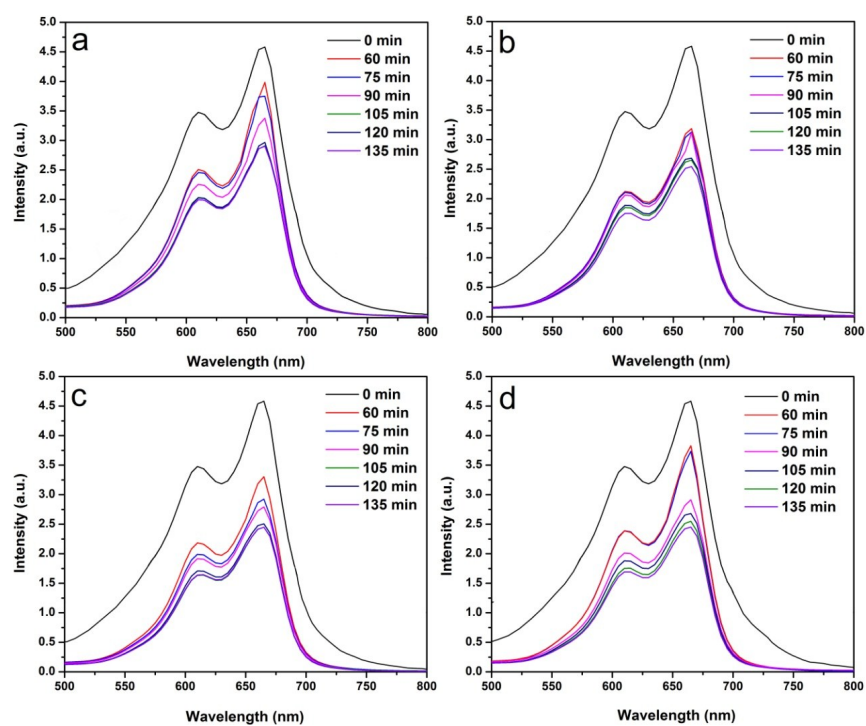


Fig. S4 Absorption changes of Methylene Blue aqueous solution in the presence of the Ti-doped SnO₂ samples under visible light irradiation. (a) SnO₂, (b) (c) (d) 10%, 20%, 50%Ti-doped SnO₂.