Electronic Supplementary Material (ESI) for Photochemical & Photobiological Sciences.

Supporting Information

Hydrothermal synthesis of Bi_2WO_6 with a new tungsten source and enhanced photocatalytic activity of Bi_2WO_6 hybridized with C_3N_4

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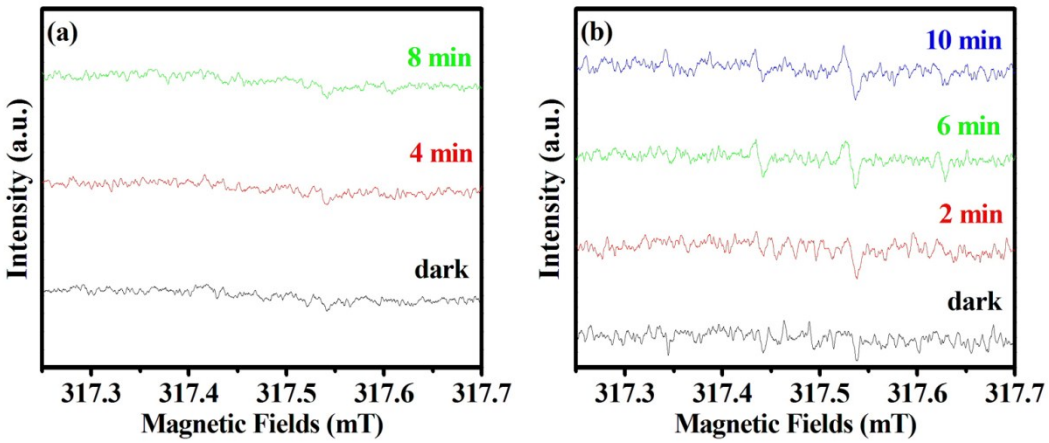

Fig. 1. EPR spectra of (a) DMPO−•O_2^- and (b) DMPO−•OH adducts of Bi_2WO_6 in darkness and under visible light irradiation.

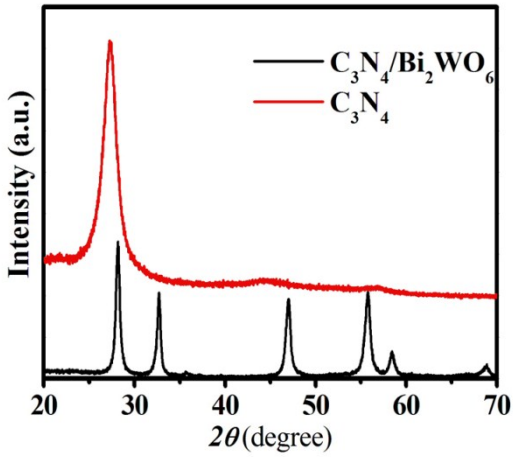

Fig. 2. XRD pattern of C_3N_4 and C_3N_4/Bi_2WO_6 (4%).

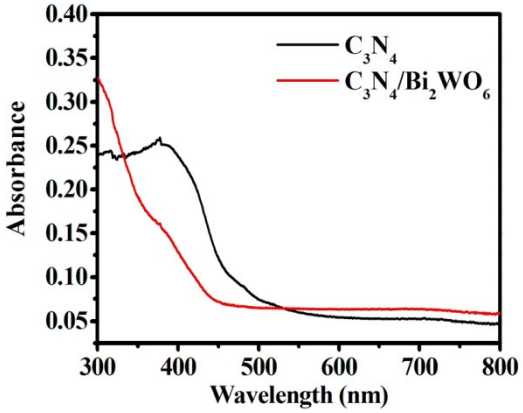

Fig. 3. The typical UV-vis DRS of C_3N_4 and C_3N_4/ Bi_2WO_6 (12%).

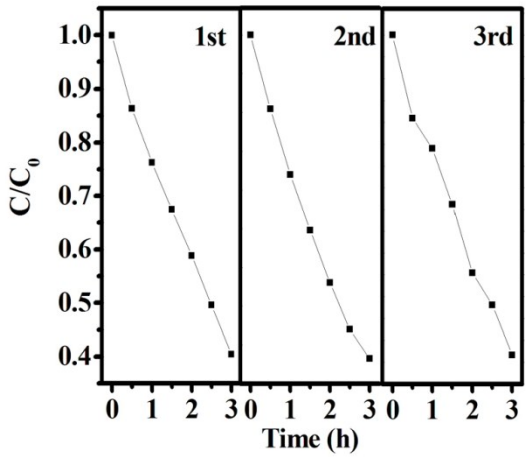

Fig. 4 Cycling runs in the photocatalytic degradation of MB in the presence of C_3N_4/ Bi_2WO_6 (4%) under visible light irradiation; C_3N_4/ Bi_2WO_6 loading, 0.5 g L^{-1}; initial concentration of MB, 2×10^{-5} M.