Electronic Supplementary Material (ESI) for RSC Advances.

Supporting information

Investigation on the synthesis conditions of $CuMoO_4$ by in-situ method and their photocatalytic properties under visible light irradiation

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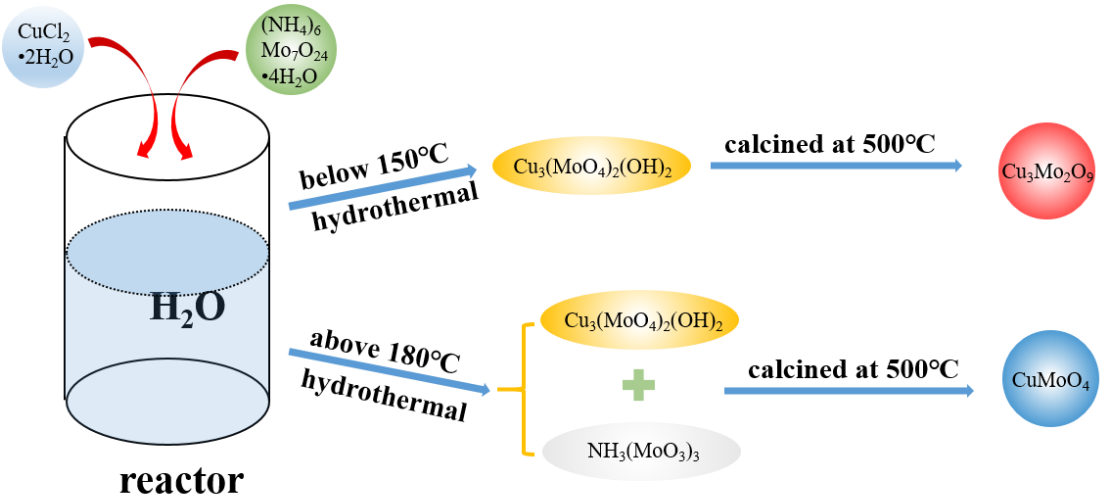


Fig.S1. Synthesis route of $CuMoO_4$

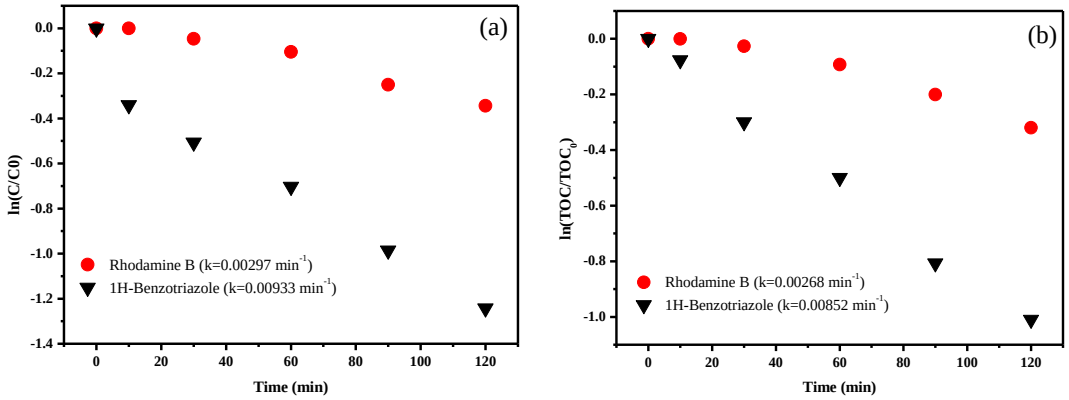


Fig.S2. Observed first order kinetic plots for the photocatalytic degradation of rhodamine B or 1H-Benzotriazole with $CuMoO_4$ as catalyst under visible light irradiation

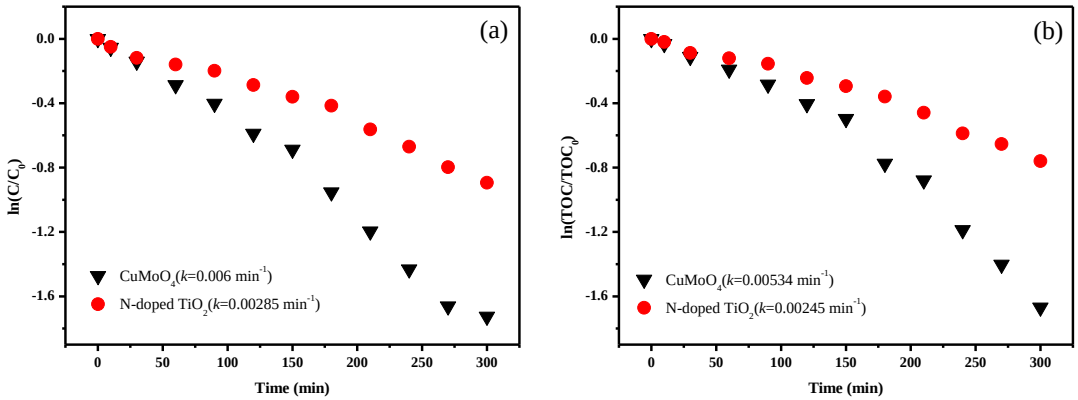
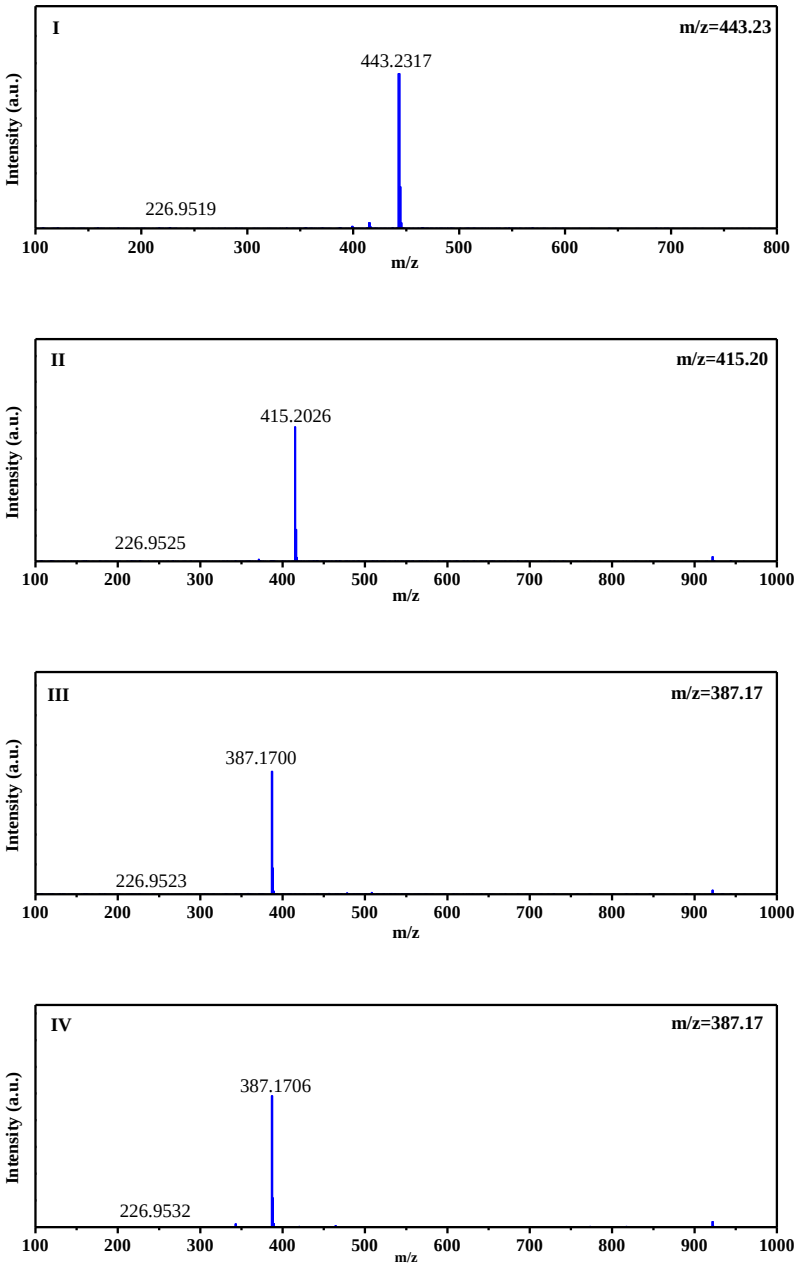


Fig.S3. Observed first order kinetic plots for the photocatalytic degradation of rhodamine B with $CuMoO_4$ or N-doped TiO_2 as photocatalyst under visible light irradiation



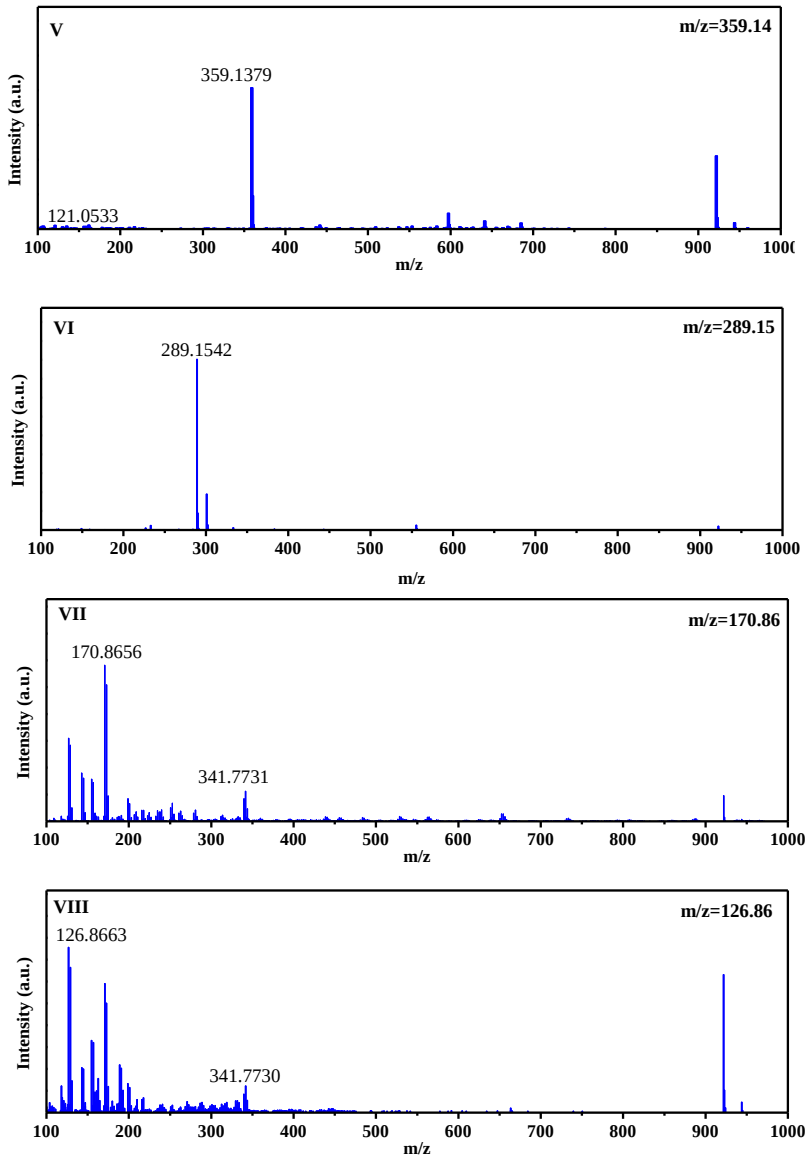


Fig.S4. The mass spectra of degraded rhodamine B by using $CuMoO_4$ photocatalyst.

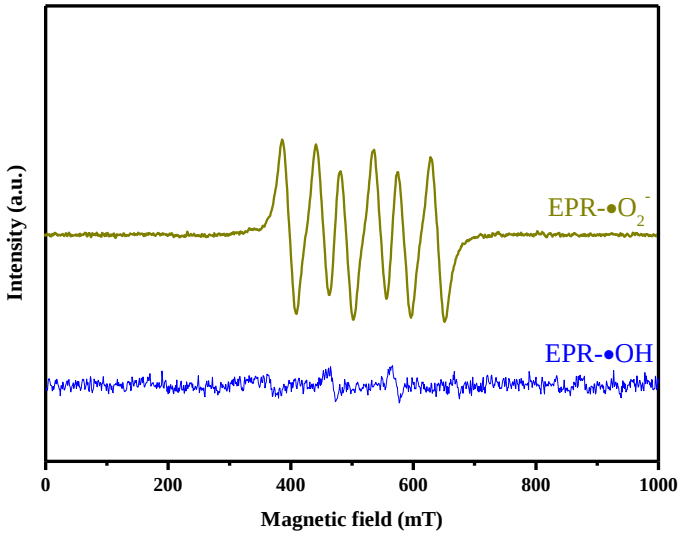


Fig.S5. EPR spectra of $CuMoO_4$ in aqueous dispersion for •OH and in methanol dispersion for $•O_2^-$