

Electronic Supplementary Information (ESI)

## Solvothermal synthesis of pyrochlore-type tungsten trioxide hemihydrate with high photocatalytic activity

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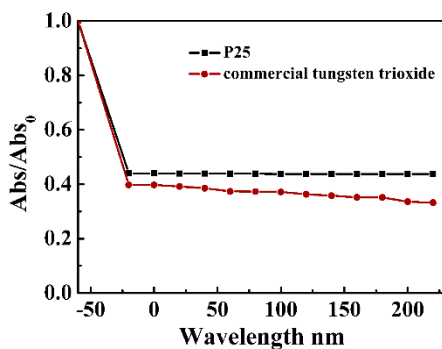


Figure S1 Degradation of RhB after visible light irradiation ( $\lambda > 400$  nm) by references

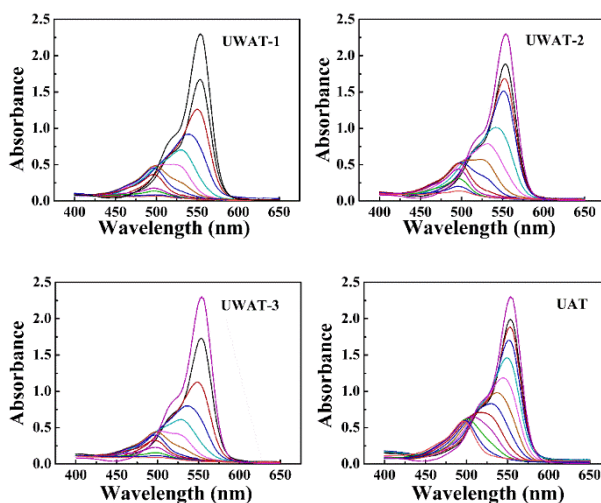


Figure S2 UV-vis adsorption spectral changes of the RhB solution ( $10 \text{ mg} \cdot \text{L}^{-1}$ ) over as-prepared samples by visible light irradiation ( $\lambda > 400$  nm).

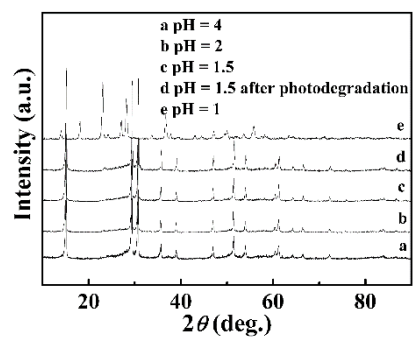


Fig. S3 X-ray diffraction (XRD) patterns of tungsten oxides prepared with different pH.