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## In-situ construction of $WO_3/g-C_3N_4$ composite photocatalyst with 2D-2D heterostructure for enhanced visible light photocatalytic performance

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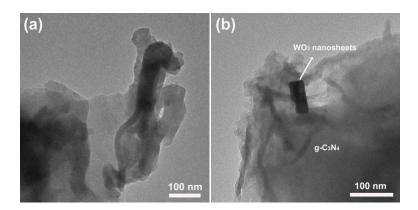


Figure S1 TEM images of (a) g- $C_3N_4$  nanosheets and (b) CNW-13 sample.

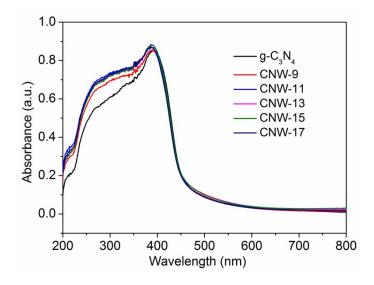
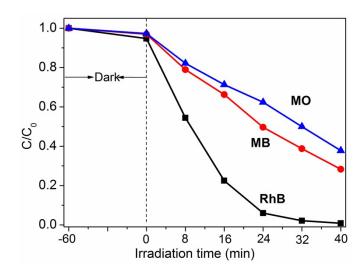


Figure S2 UV-vis DRS spectra of g-C<sub>3</sub>N<sub>4</sub>, CNW-9, CNW-11, CNW-13, CNW-15 and CNW-17 samples.



**Figure S3** The photocatalytic activity of CNW-13 sample for RhB, MB and MO degradation under visible light irradiation.