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Supplementary information for

Facile preparation of C, N co-modified Nb_2O_5 nanostabbers with enhanced visible light photocatalytic activity

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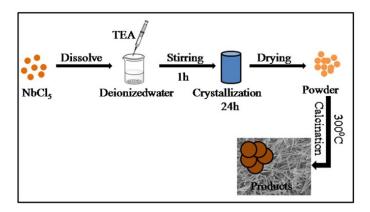


Figure S1. Synthesis process of C, N co-modified Nb₂O₅ nanostabbers.

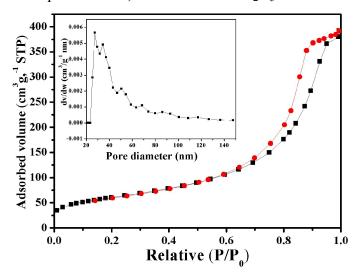


Figure S2. N₂ adsorption and desorption isotherms of the Nb₂O₅ nanotabbers (insert is the plot of pore size distribution).

Formation mechanism

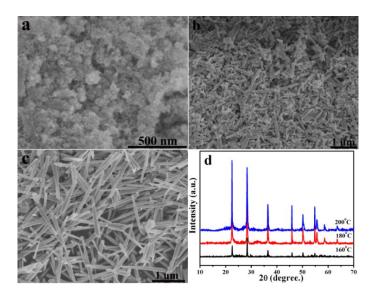


Figure S3. The formation process of Nb₂O₅ nanostabbers and SEM images of the samples synthesized at (a)160 °C, (b)180 °C, (c) 200 °C and (d) the corresponding XRD patterns of the as-prepared samples.

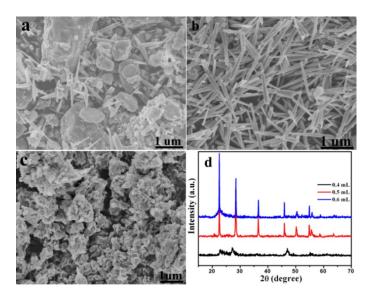


Figure S4. SEM images of as-prepared sample with different amount of TEA: (a) 0.4 mL (b) 0.5 mL (c) 0.6 mL and (d) the corresponding XRD patterns of the Nb₂O₅ nanostabbers.

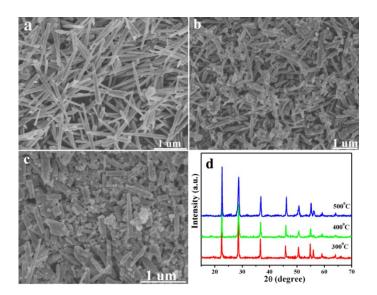


Figure S5. SEM images of as-prepared sample with different calcination temperature (a: 300 °C, b: 400 °C, c: 500 °C) and (d) the corresponding XRD patterns of the Nb₂O₅ nanostabbers.