

Supplementary Material

Enhanced Performance of electrospun nanofibrous TiO₂/g-C₃N₄ photocatalyst in Photocatalytic Degradation of Methylene Blue

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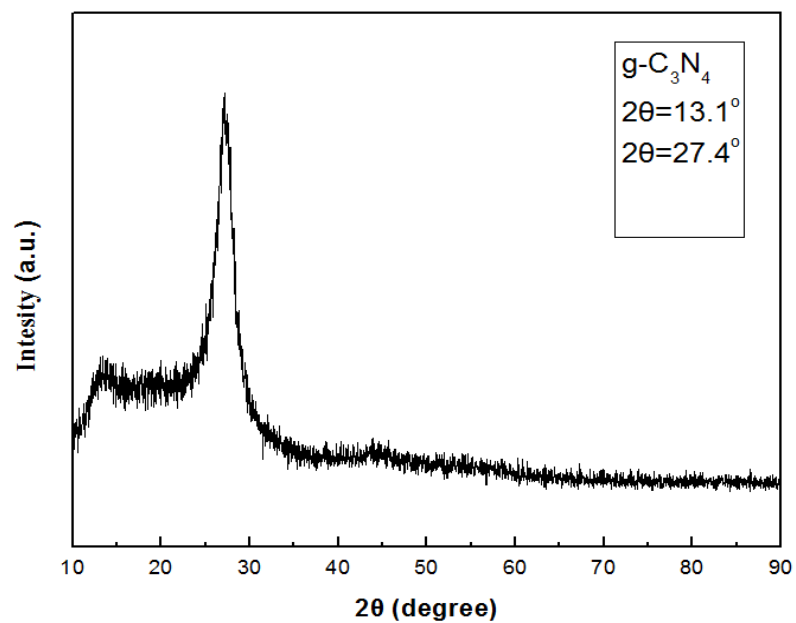


Figure S1.XRD patterns of bulk g-C₃N₄.

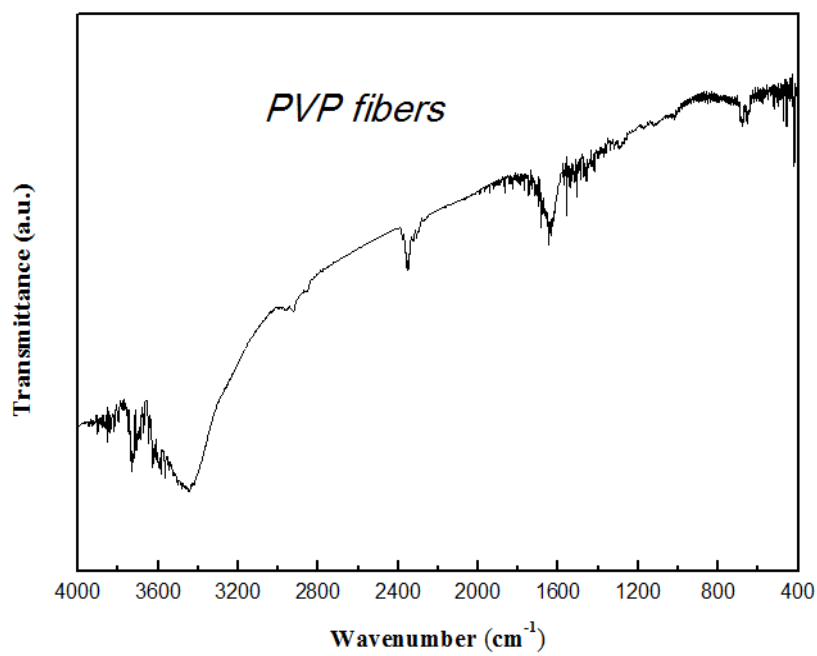


Figure S2.FT-IR spectrum of PVP fibers.

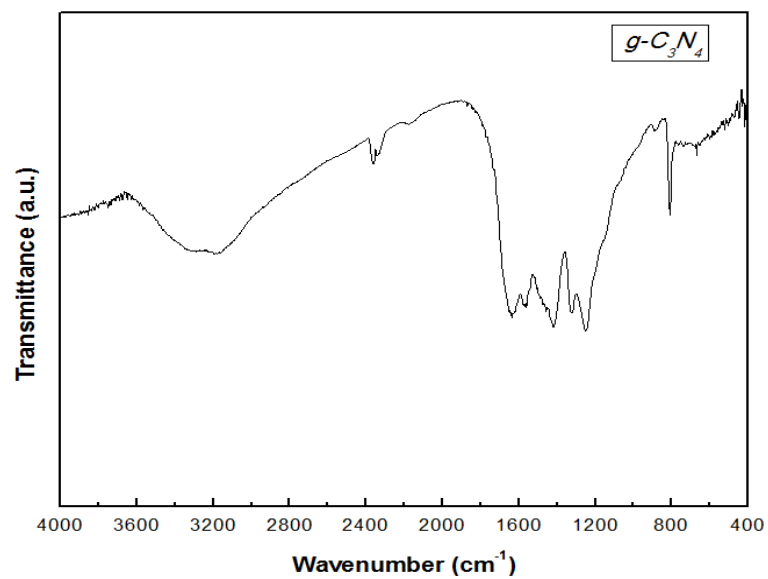


Figure S3. FT-IR spectrum of g-C₃N₄.

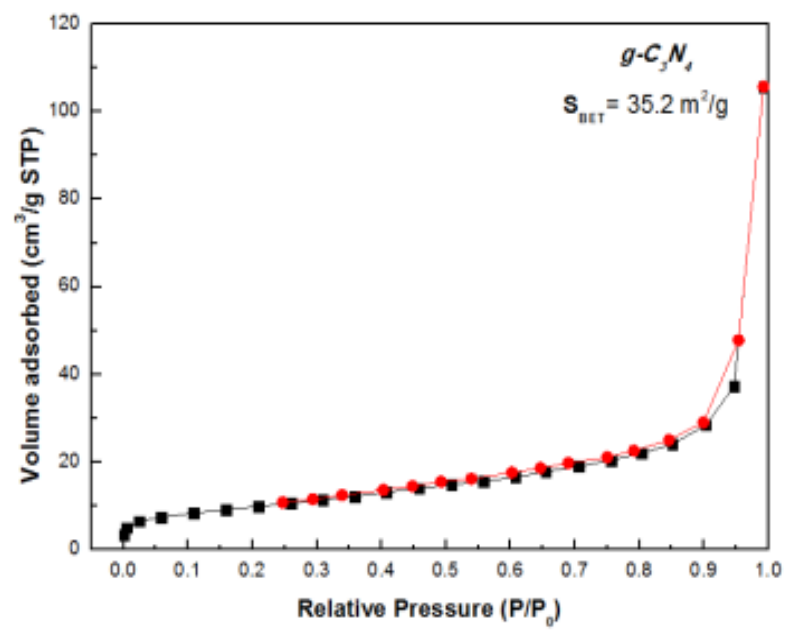


Figure S4. Nitrogen adsorption-desorption isotherms and pore size distributions for g-C₃N₄.

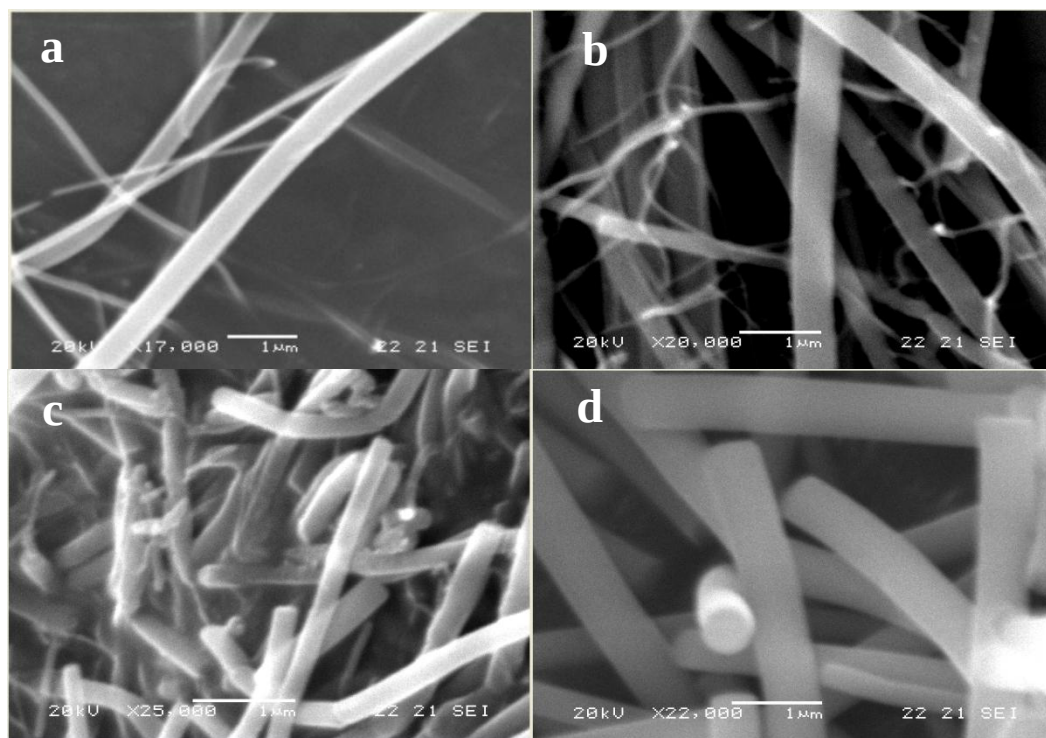


Figure S5. SEM images of electrospun fibers before calcination (a) TiO_2 , (b) GNT1%, (c) GNT2.5%, (d) GNT5%.

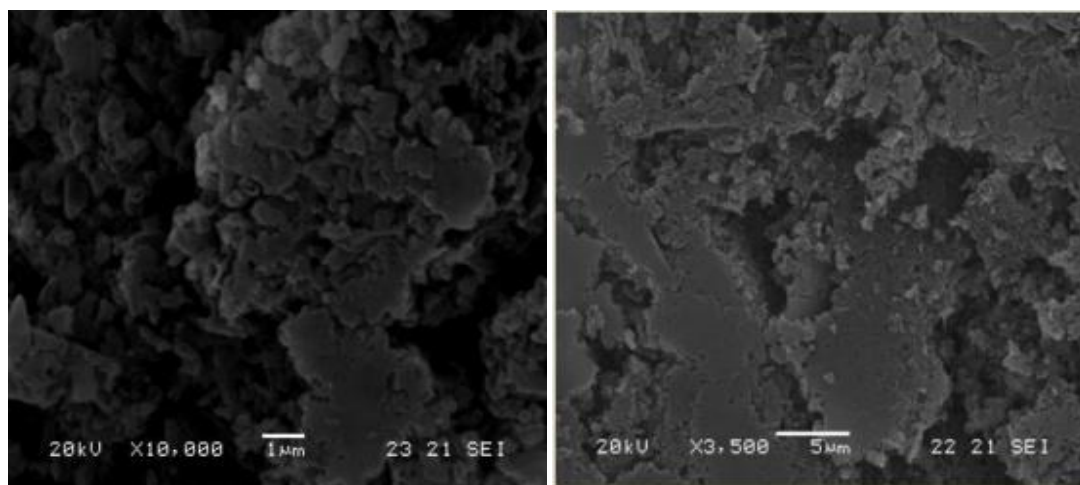


Figure S6. SEM images of prepared bulk $\text{g-C}_3\text{N}_4$.

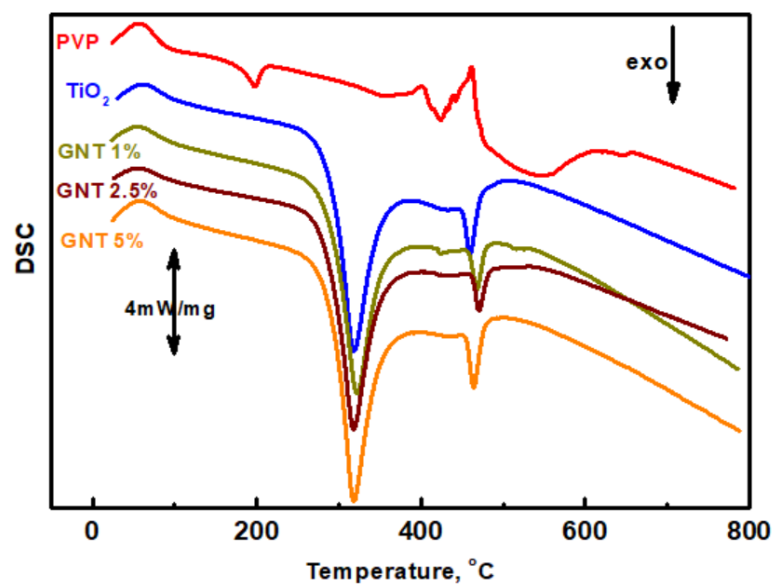


Figure S7. DSC curves of PVP and prepared photocatalyst fibers before calcination.

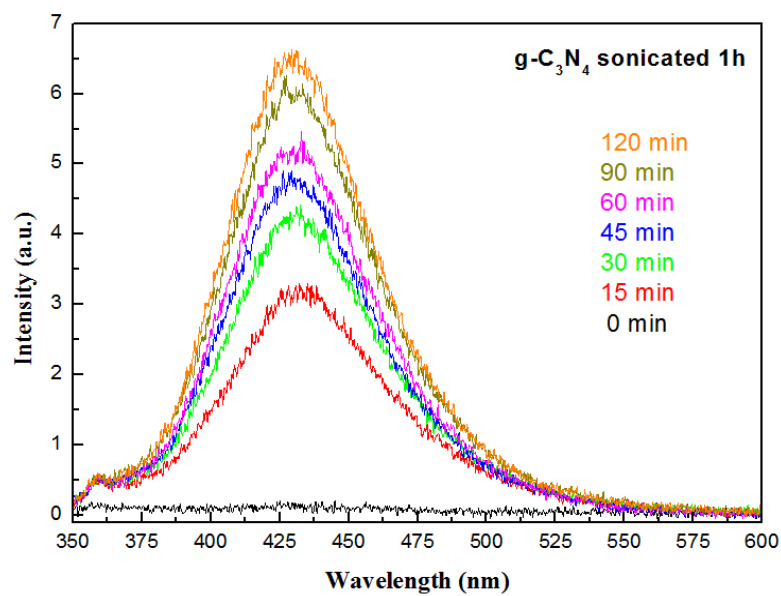


Figure S8. Fluorescence spectra of hydroxyl-terephthalic (OHTA) formation of g-C₃N₄.