

Determination of Band Edges and Their Influences on Photocatalytic Reduction of Nitrobenzene by Bulk and Exfoliated $g\text{-C}_3\text{N}_4$

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Figure: S1

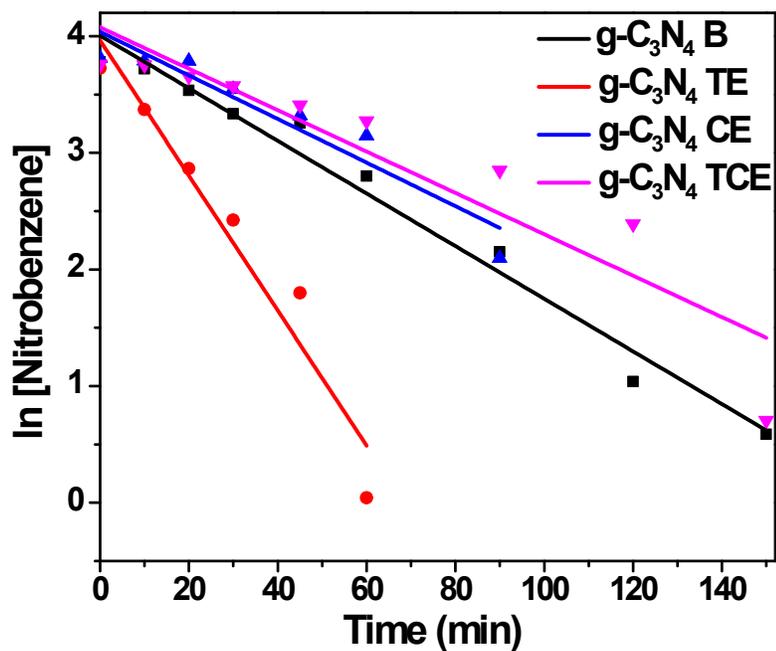


Figure S1: The photocatalytic reduction kinetics of NB over the synthesized catalysts.

Figure: S2

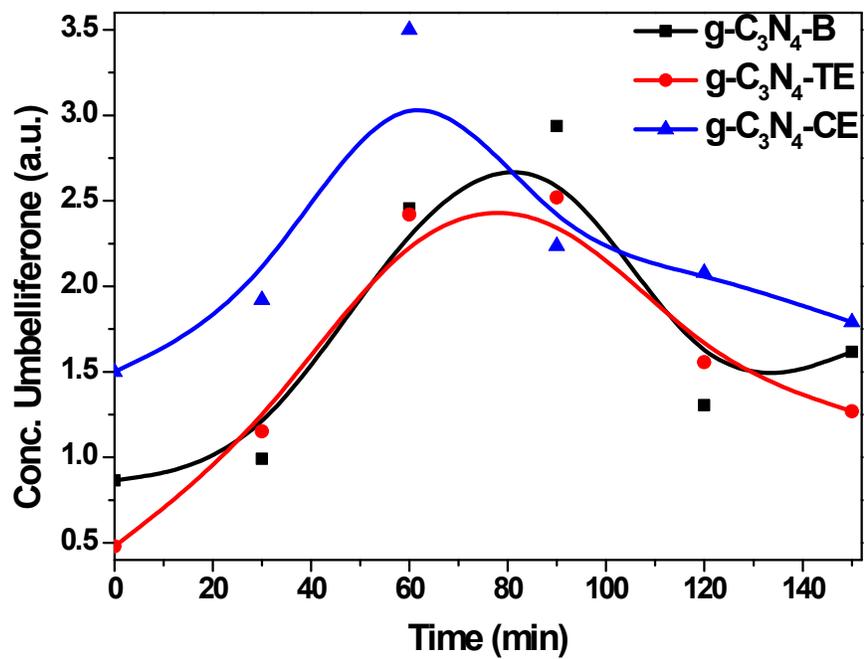


Figure S2: Concentration of umbelliferone with respect to UV light irradiation time over the synthesized catalysts.

Figure: S3

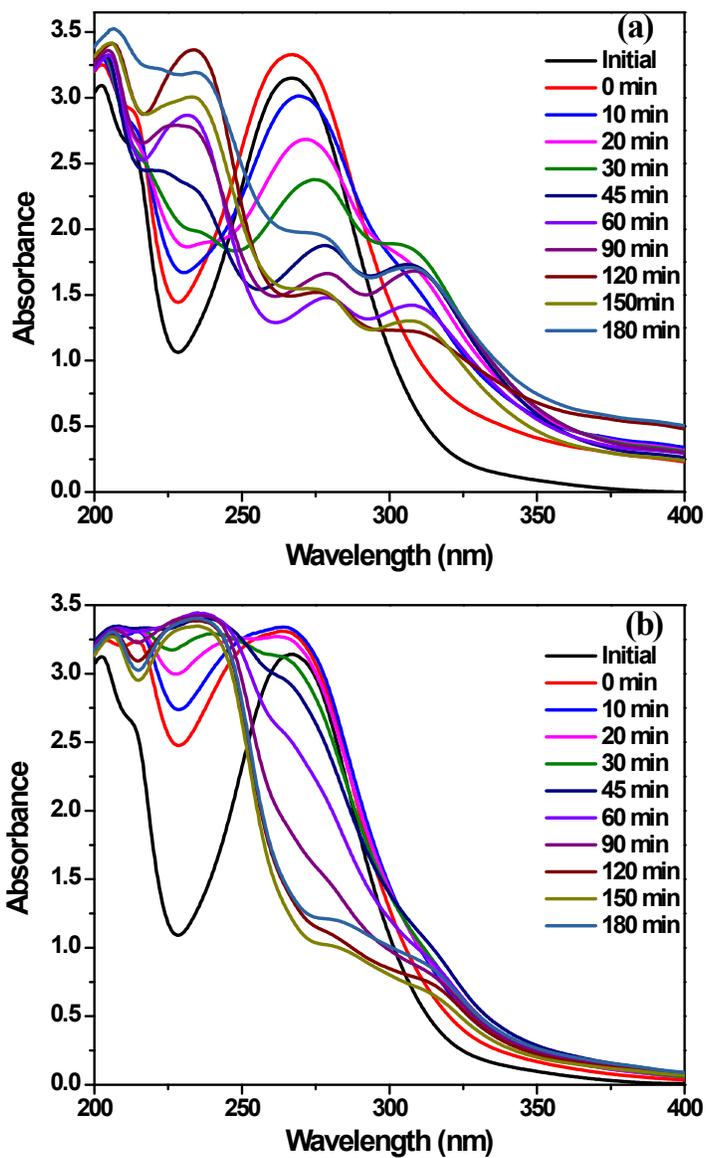


Figure S3: The time dependent UV Visible spectra for the photoreduction of nitrobenzene over g-C₃N₄ TE, and g-C₃N₄ CE.

Figure: S4

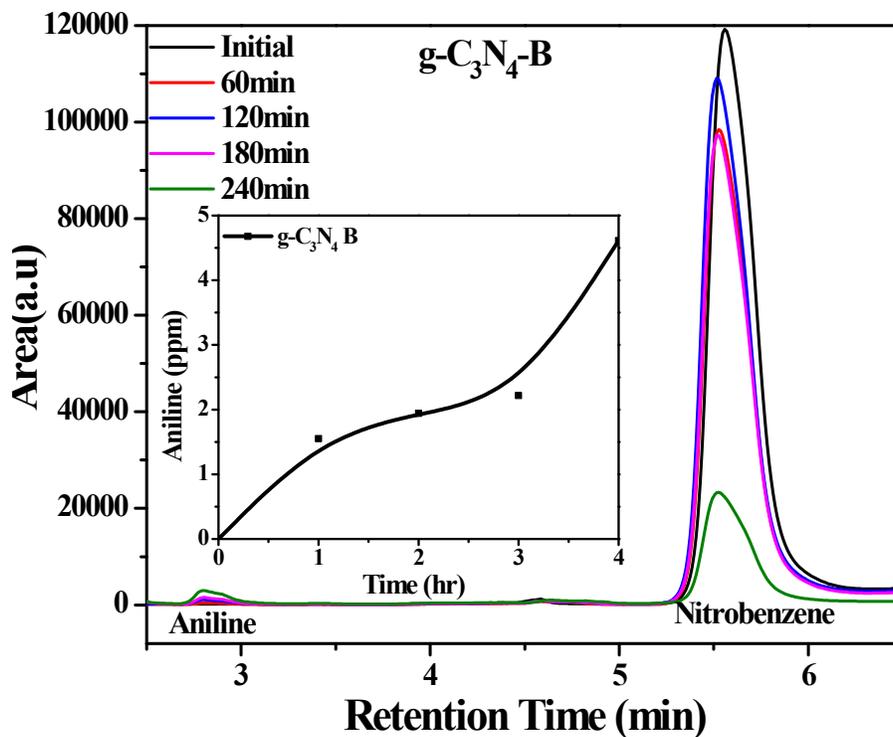


Figure S4: The formation of aniline in electrochemical reduction of nitrobenzene over the $g-C_3N_4$ B. (Inset shows the amount of aniline formed).