

Supplementary Materials: Photocatalytic Properties of $g\text{-C}_3\text{N}_4\text{-TiO}_2$ Heterojunctions under UV and Visible Light Conditions

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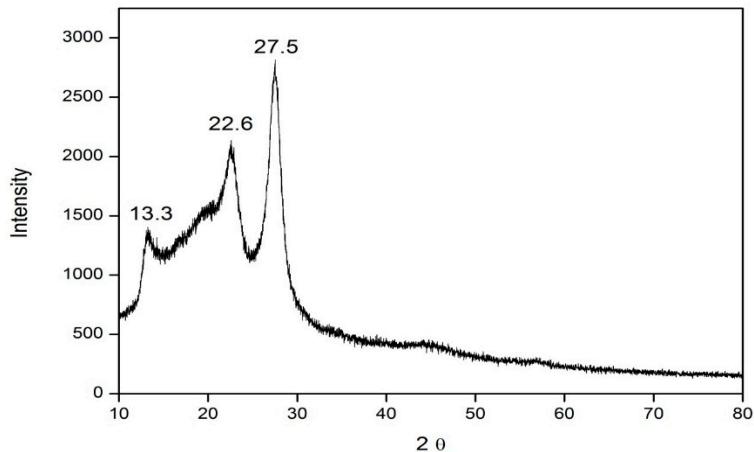


Figure S1. XRD diffraction spectra of $g\text{-C}_3\text{N}_4$.

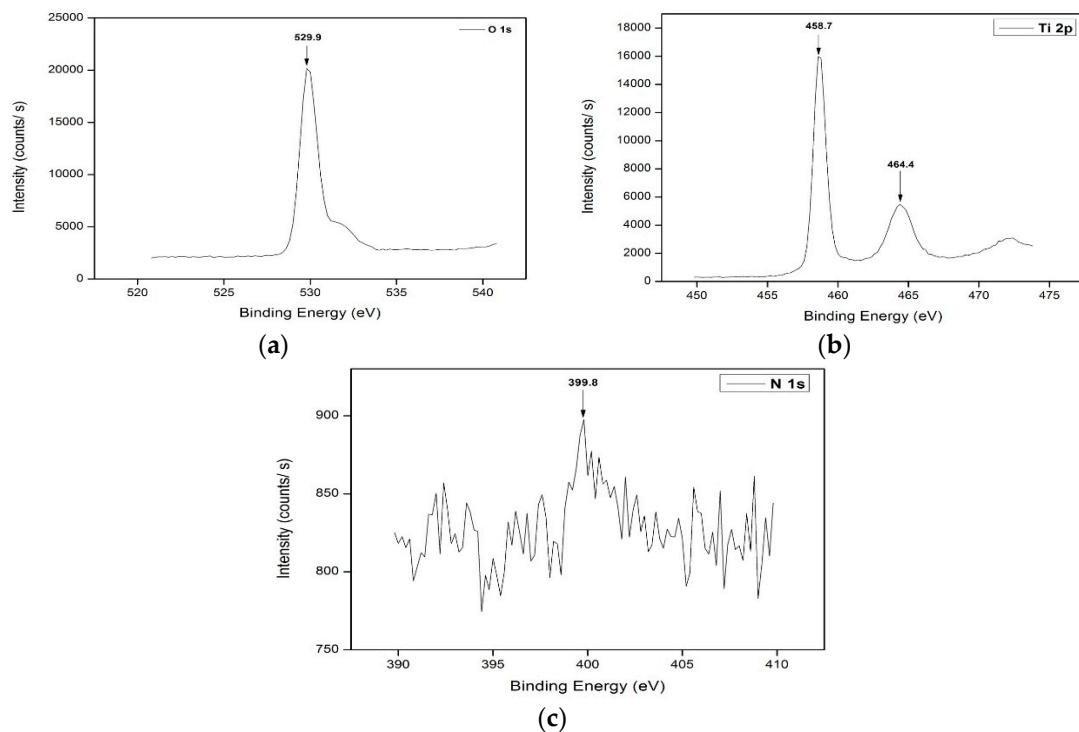


Figure S2. XPS spectra of 4% $g\text{-C}_3\text{N}_4\text{/TiO}_2$ calcined at 600 °C. (a) O 1s; (b) Ti 2p and (c) N 1s.

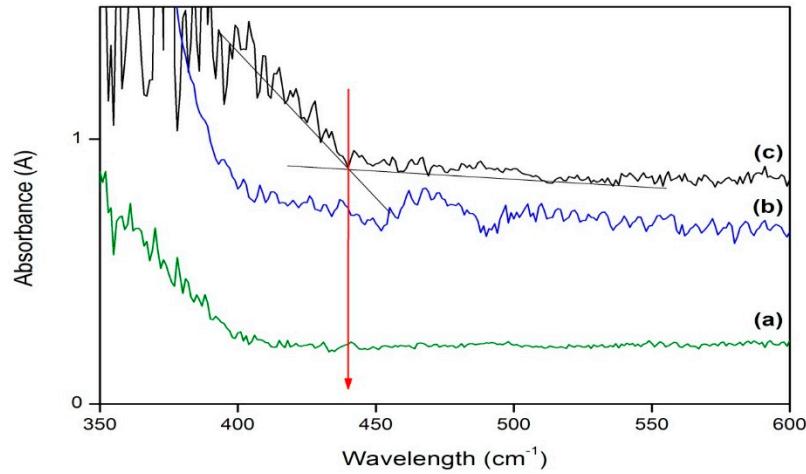


Figure S3. Comparison of diffuse absorbance spectra: (a) TiO_2 ($600\text{ }^{\circ}\text{C}$); (b) 4% $g\text{-C}_3\text{N}_4/\text{TiO}_2$ ($600\text{ }^{\circ}\text{C}$) and (c) $g\text{-C}_3\text{N}_4$.

Table S1. Standard deviation values.

Sample Name	Temp ($^{\circ}\text{C}$)	Rate of Reaction (min^{-1}) Average Values	
		Visible	UV
TiO_2	600	0.0005	0.0309
$g\text{-C}_3\text{N}_4$	600	0.0006	0.0092
2% $g\text{-C}_3\text{N}_4/\text{TiO}_2$	600	0.0013	0.0124
4% $g\text{-C}_3\text{N}_4/\text{TiO}_2$	600	0.0004	0.0583
8% $g\text{-C}_3\text{N}_4/\text{TiO}_2$	600	0.0011	0.0006