

Electronic Supplementary Information

Fe-doped and-mediated graphitic carbon nitride nanosheets for enhanced photocatalytic performance under natural sunlight

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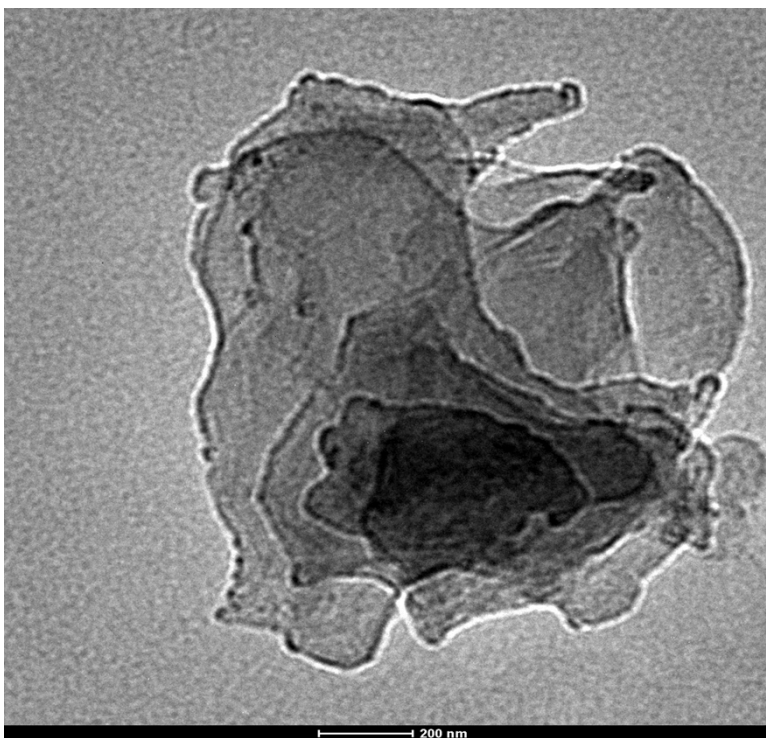


Fig. S1 TEM image of the synthesized bulk g-C₃N₄.

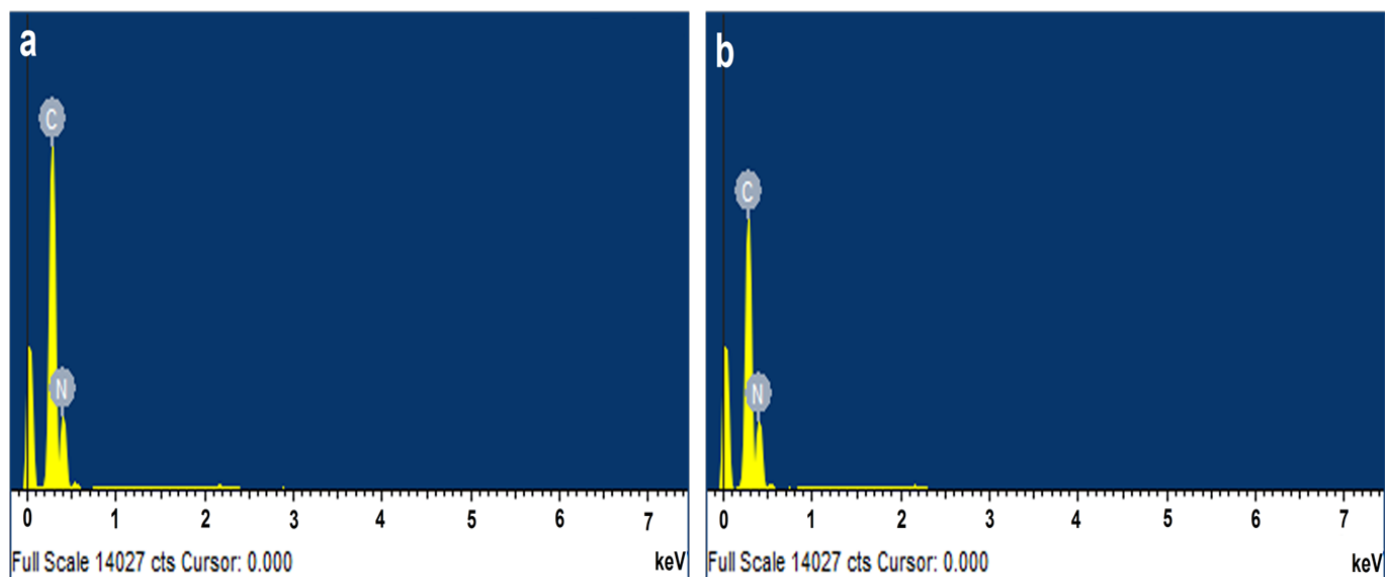


Fig. S2 EDS patterns of the synthesized bulk $\text{g-C}_3\text{N}_4$ (a) and pure $\text{g-C}_3\text{N}_4$ nanosheets (b).

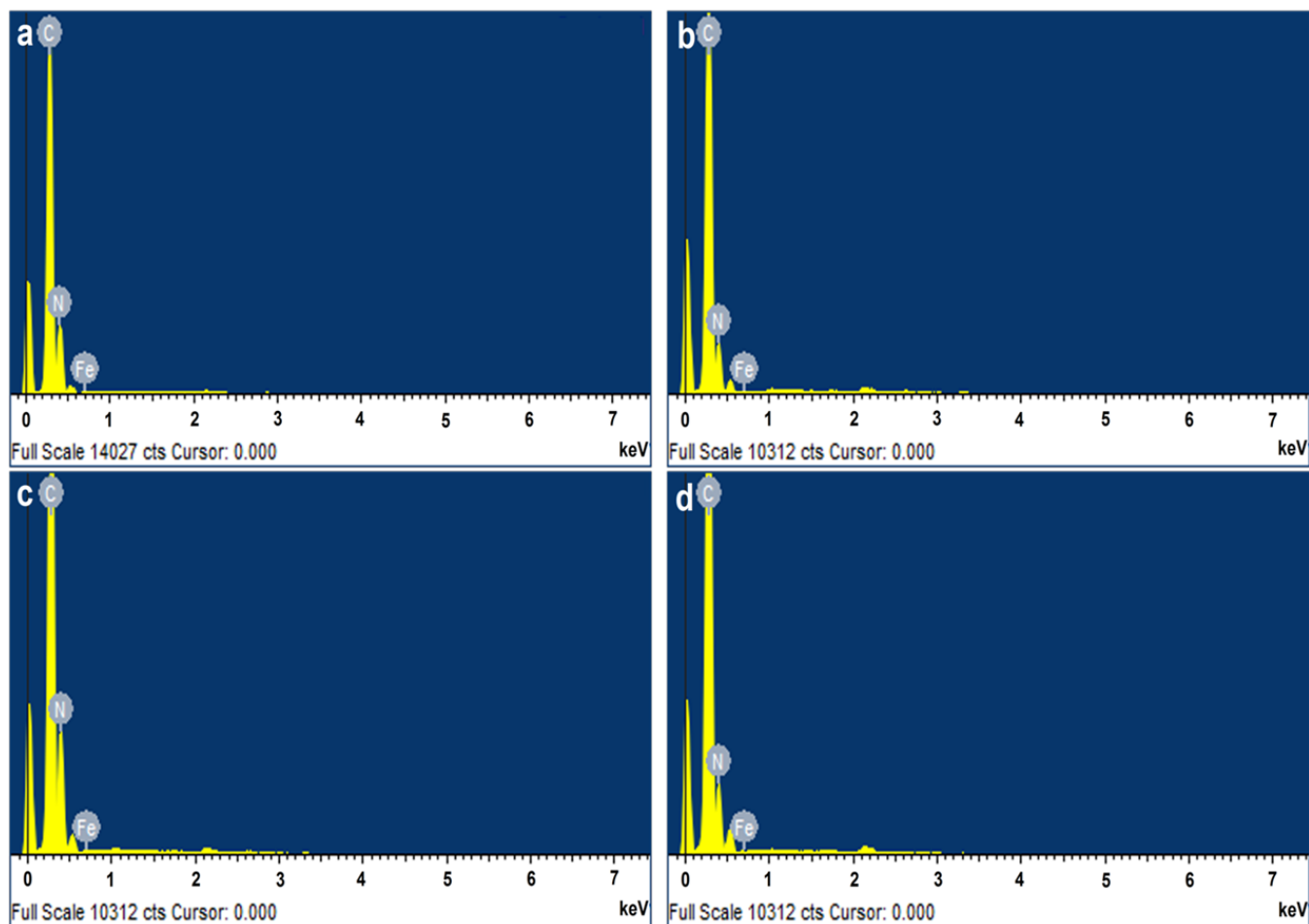


Fig. S3 EDS patterns of the synthesized FCN-0.5 (a) FCN-1 (b), FCN-2 (c) and FCN-3 (d) samples.

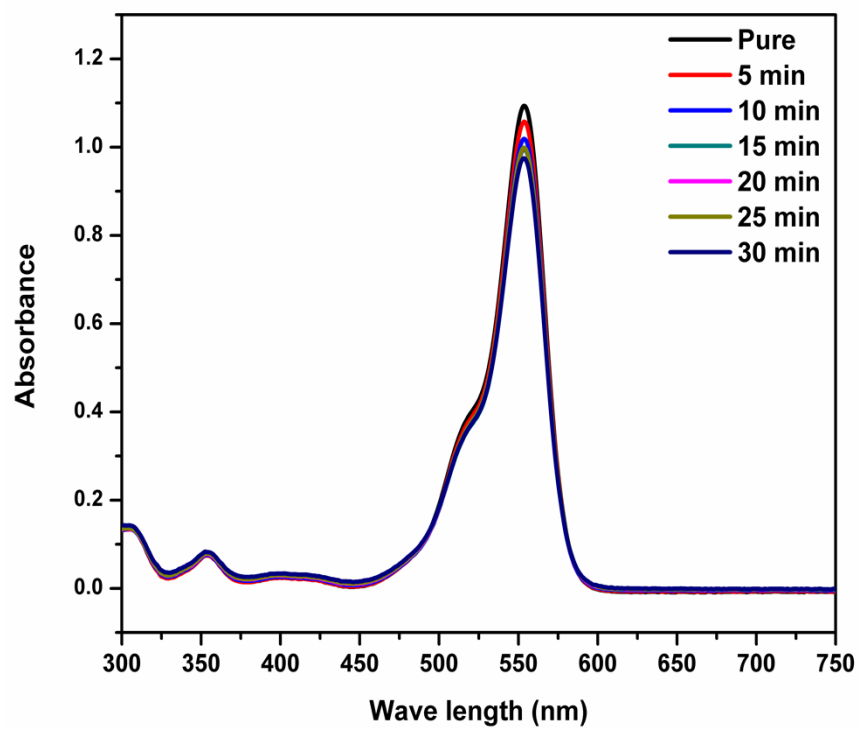


Fig. S4 Photolysis of the RhB solutions.

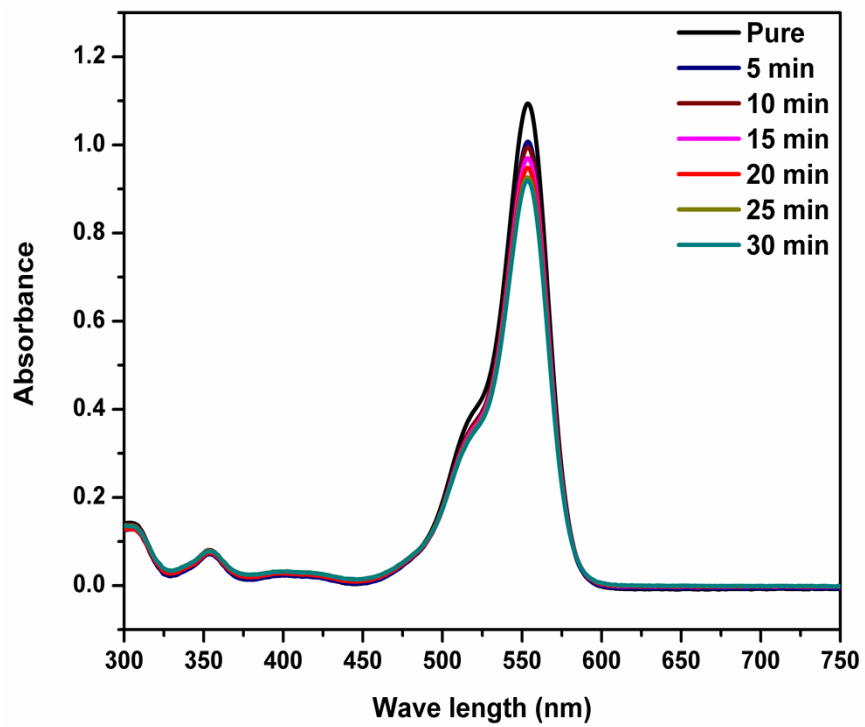


Fig. S5 Adsorption ability of FCN-2 catalyst for the degradation of RhB under dark condition.

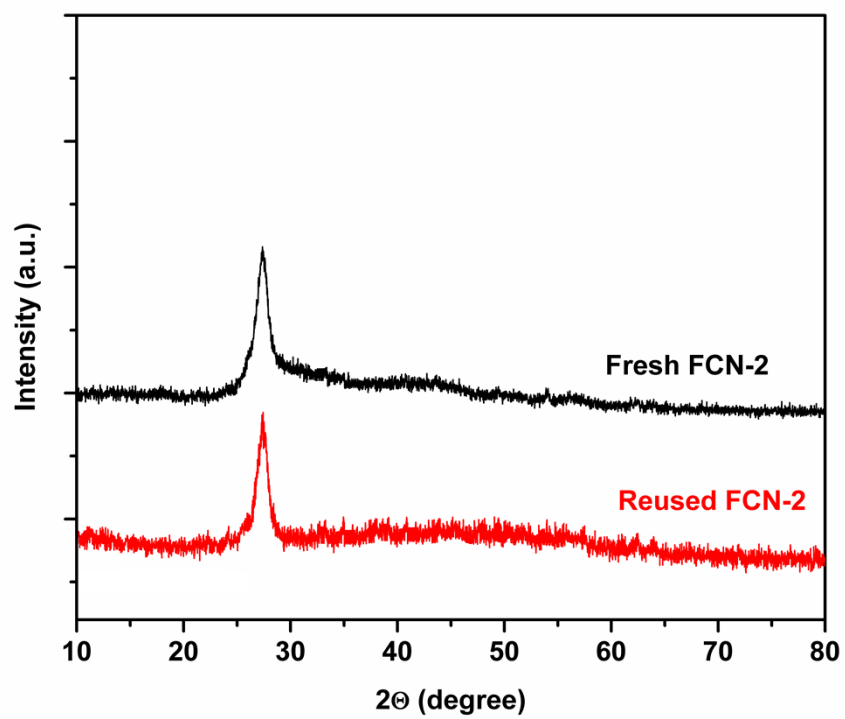


Fig. S6 XRD patterns of the synthesized FCN-2 photocatalyst.