

Electronic Supplementary Information (ESI)

Synthesis of highly efficient and recyclable visible-light responsive mesoporous g-C₃N₄ photocatalyst via facile template-free sonochemical route

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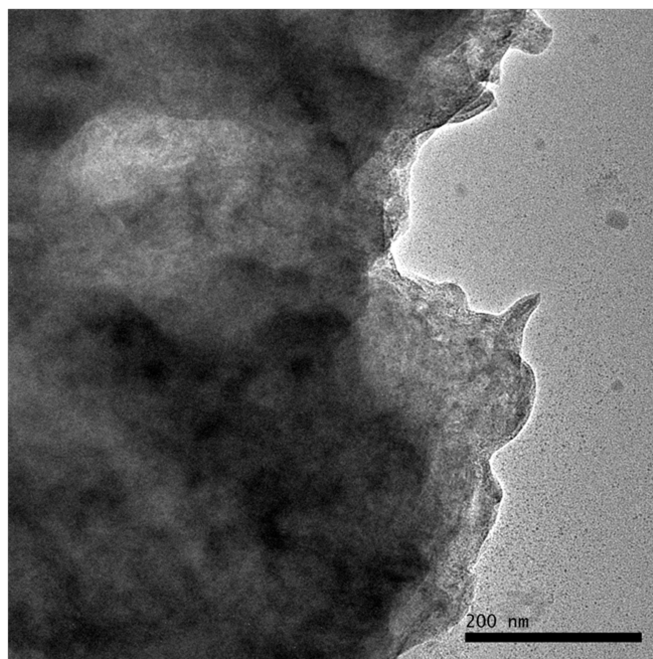


Fig. S1 TEM image of bulk g-C₃N₄

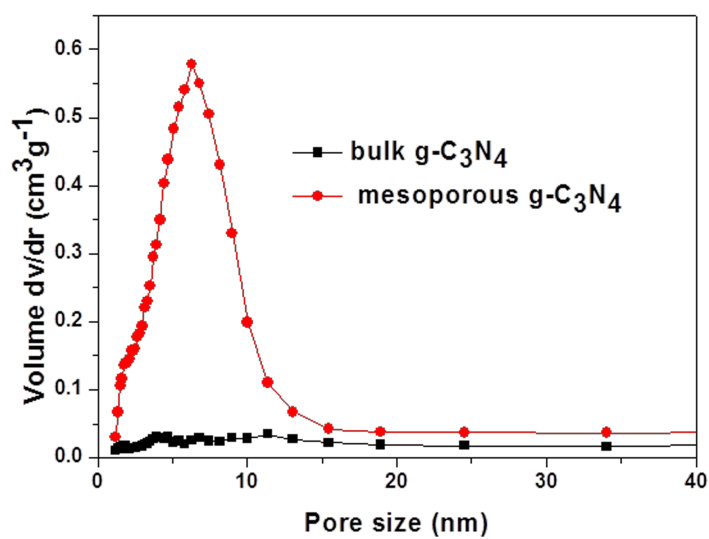


Fig. S2 Pore size distribution of bulk g-C₃N₄ and mesoporous g-C₃N₄.

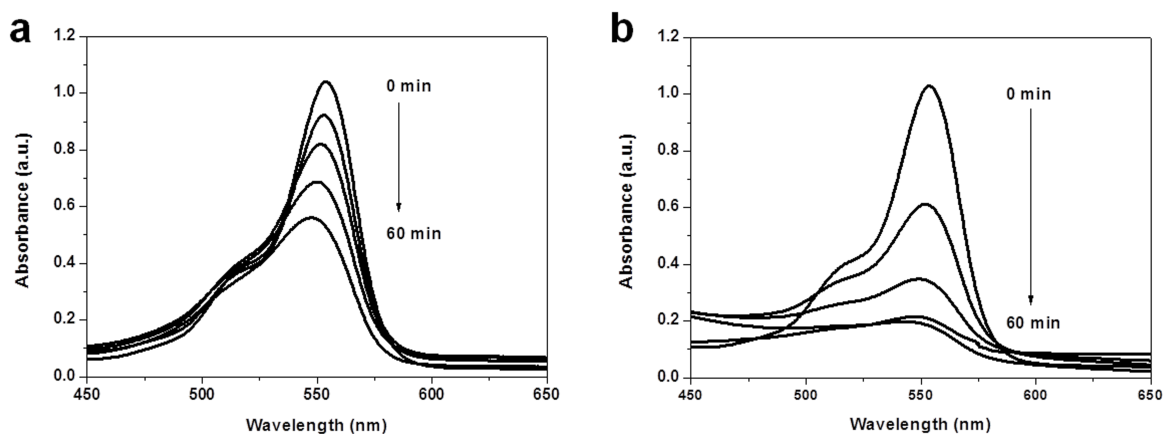


Fig. S3 Absorption spectra of RhB over bulk g-C₃N₄ (a) and mesoporous g-C₃N₄ (b) under visible light irradiation.

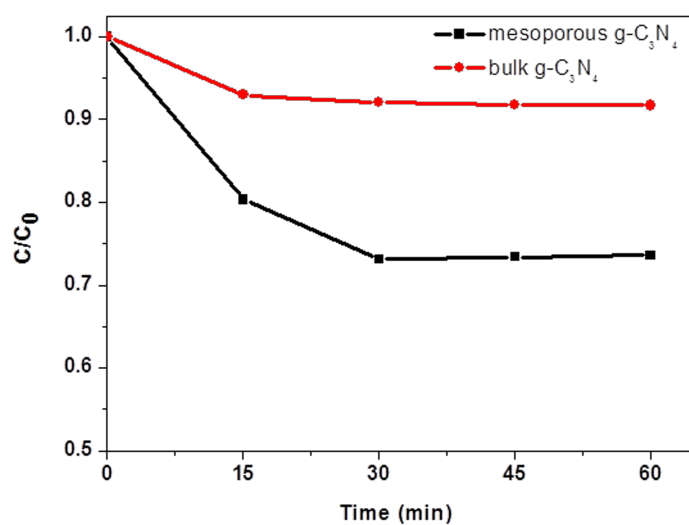


Fig. S4 Adsorption studies of RhB in aqueous solution over bulk g-C₃N₄ and mesoporous g-C₃N₄.

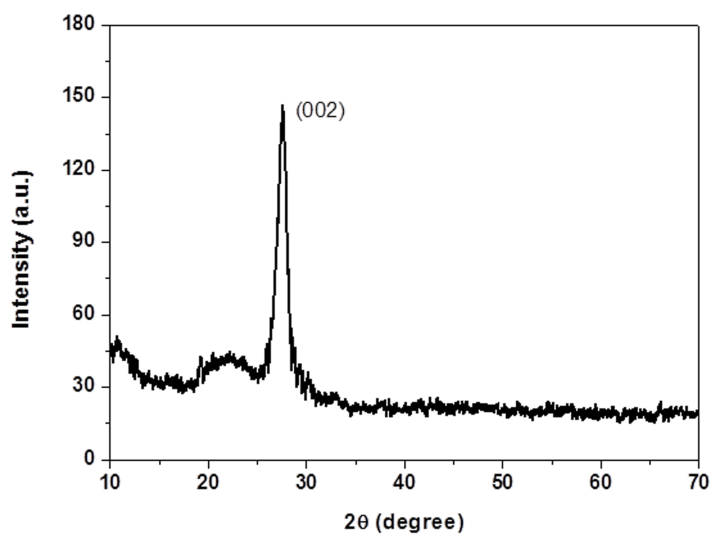


Fig. S5 XRD pattern of reused mesoporous g-C₃N₄ after five successive experimental runs.