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Supplementary information for

Facile fabrication of Fe-doped Nb_2O_5 nanofibers by electrospinning process and their application in photocatalysis

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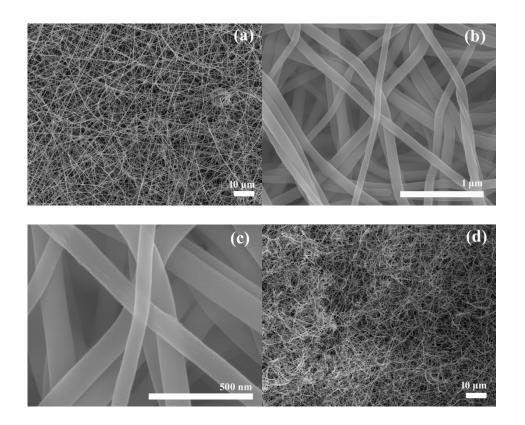


Fig. S1 (a-c) SEM images of the precursor of 0.03FeNb NFs. (d) SEM image of 0.03FeNb NFs.

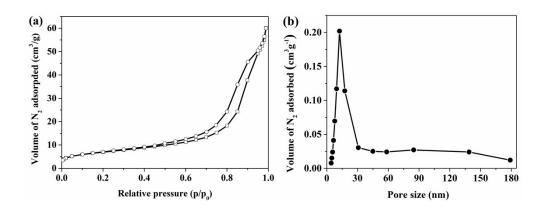


Fig. S2 (a) Nitrogen adsorption-desorption isotherms and (b) pore size distribution of 0.03FeNb NFs.

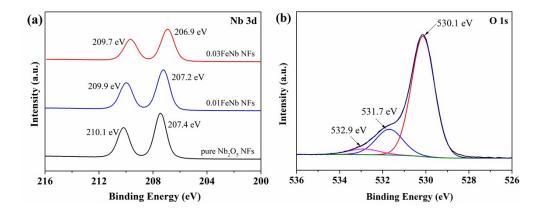


Fig. S3 XPS spectra of the (a) Nb 3d region and (b) O 1s region of 0.03FeNb NFs.

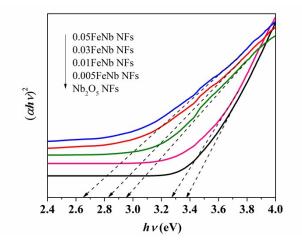


Fig. S4 the band energy gaps of pure Nb_2O_5 nanofibers and Fe-doped Nb_2O_5

nanofibers (0.005FeNb NFs, 0.01FeNb NFs, 0.02FeNb NFs, 0.03FeNb NFs and 0.05FeNb NFs).

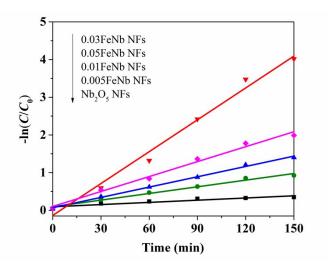


Fig. S5 rate constants of RhB by the different catalysts.