

Supplementary Information

Enhanced photocatalytic activity by tuning the ratio of hexagonal and orthorhombic phase Nb₂O₅ hollow fibers

Ruyi Shao, Zhenzhu Cao*, Yang Xiao, Hongjie Dong, Weiyan He, Yanfang Gao, Jinrong Liu**

College of Chemical Engineering, Inner Mongolia University of Technology, Hohhot 010051, China. E-mail: czz03@163.com

*Corresponding author: czz03@163.com; Fax: +86 471 6503298; Tel: +86 471 6575722; Tel./Fax: +86 579 8228226

** Corresponding author: liuji@imut.edu.cn; Fax: +86 471 6503298; Tel: +86 471 6575722; Tel./Fax: +86 579 8228226

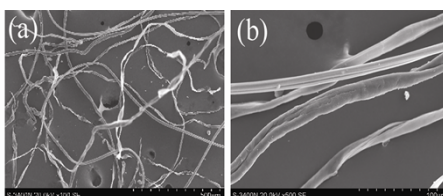


Fig.S1 SEM images of (a and b) natural cotton fibers

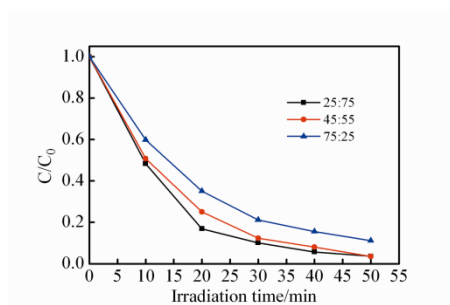


Fig.S2 Photocatalytic activities of Nb₂O₅ hollow fibers with others ratios of O- and H-Nb₂O₅ mixed phases.