Electronic Supplementary Information

A novel photosensitized Fenton reaction catalyzed by sandwiched iron in synthetic nontronite

Renlan Liu, Dongxue Xiao, Yaoguang Guo, Zhaohui Wang*, Jianshe Liu*

State Environmental Protection Engineering Center for Pollution Treatment and Control in Textile Industry, College of Environmental Science and Engineering, Donghua University, Shanghai, 201620, China

*Corresponding author. Tel.: +86-21-6779-2557; fax +86-21-6779-2522.

E-mail: zhaohuiwang@dhu.edu.cn (Z. Wang); liujianshe@dhu.edu.cn (J. Liu)
Fig. 1 BET surface area plot of NAU.

Fig. 2 Pore volume and pore size distributions of NAU.
Fig. 3. Effect of O\textsubscript{2} on the photosensitized dye degradation. N\textsubscript{2} was continuously purged into the suspensions conversion of Rhb throughout the illumination. The experiments were conducted under conditions: [RhB] = 20 \mu M, [H\textsubscript{2}O\textsubscript{2}] = 10 mM, NAU = 0.2 g/L, pH=3.