Supporting Information for

One-step synthesis of Fe$_3$O$_4$/carboxylate-rich carbon composite and its application for Cu (Ⅱ) removal

Lingling Qu, a,c Jianzhong Jia, b Hefei Shi b and Zhijun Luo* b,c

a School of Chemistry and Chemical Engineering, Jiangsu University, Zhenjiang, 212013, P. R. China

b School of The Environment, Jiangsu University, Zhenjiang, 212013 P. R. China; E-mail: lzj@ujs.edu.cn

c State Key Laboratory of Coordination Chemistry, Nanjing University, Nanjing 210093, P. R. China

Corresponding author. Tel.: +86 511 88790955
E-mail address: lzj@ujs.edu.cn
Fig. S1. Pore size distribution of Fe$_3$O$_4$/CRC.

Fig. S2. SEM image (a) and Nitrogen adsorption/desorption isotherms and pore size distribution (inset) (b) of CRC.

Fig. S3. The XRD pattern (a) and TEM image (b) of the Fe$_3$O$_4$ nanoparticles.