One-step hydrothermal synthesis of Fe₃O₄@C nanoparticles with great performance in biomedicine

Gui-Yun Mao, Wen-Jing Yang, Fan-Xing Bu, Dong-Mei Jiang, Zhen-Jie Zhao, Qing-Hong Zhang, Qi-Chen Fang*, Ji-Sen Jiang*

a Department of Physics, Center for Functional Nanomaterials and Devices, East China Normal University, Shanghai 200241, P. R. China. E-mail: jsjiang@phy.ecnu.edu.cn (J. S. Jiang); Fax/Tel:+86-21-54342940

b Shanghai Diabetes Institute, Shanghai Key Laboratory of Diabetes Mellitus, Department of Endocrinology and Metabolism, Shanghai Jiao Tong University Affiliated Sixth People’s Hospital, Shanghai 200233, P. R. China. E-mail: qcfang@sjtu.edu.cn (Q. C. Fang); Fax/Tel:+86-21-24058657

c Engineering Research Center of Advanced Glasses Manufacturing Technology, MOE, Donghua University, Shanghai 201620, P. R. China
Figure S1. M-H loop of Fe₃O₄@C nanoparticles after drug release at pH 5.8 for 200 h.