

Supplementary Information

Green Synthesis of Composite Graphene Aerogels with Robust Magnetism for Effective Water Remediation

Qixia Liu, Shiqi Hu, Zhilian Yang, Xueyan Zhang and Jianlong Ge*

National & Local Joint Engineering Research Center of Technical Fiber Composites for Safety and Health, School of Textile and Clothing, Nantong University, Nantong 226019, China; lqx@ntu.edu.cn (Q.L.); hushiqi477@163.com (S.H.); yzl9723@126.com (Z.Y.); zhangxy@canasin.com (X.Z.)

* Correspondence: gejianlong@ntu.edu.cn; Tel.: +86-513-8501-2836

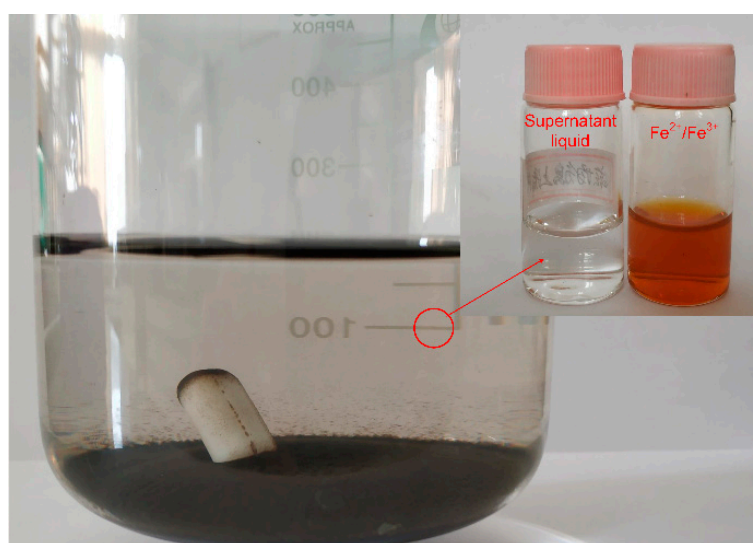


Figure S1. Digital photographs demonstrating the co-precipitation system of $\text{Fe}^{3+}/\text{Fe}^{2+}/\text{GO}$. (Inset is the comparison of supernatant liquid and pristine $\text{Fe}^{3+}/\text{Fe}^{2+}$ solution).

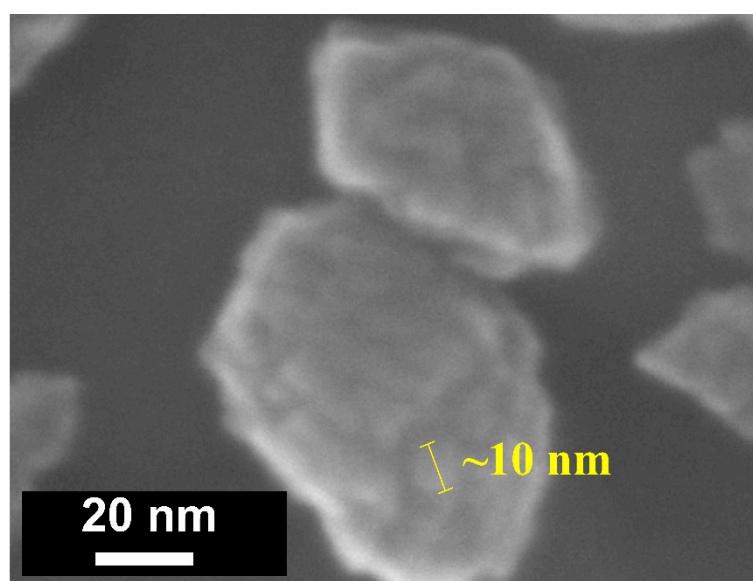


Figure S2. High magnified SEM image of the nanoparticles on the surface of graphene.

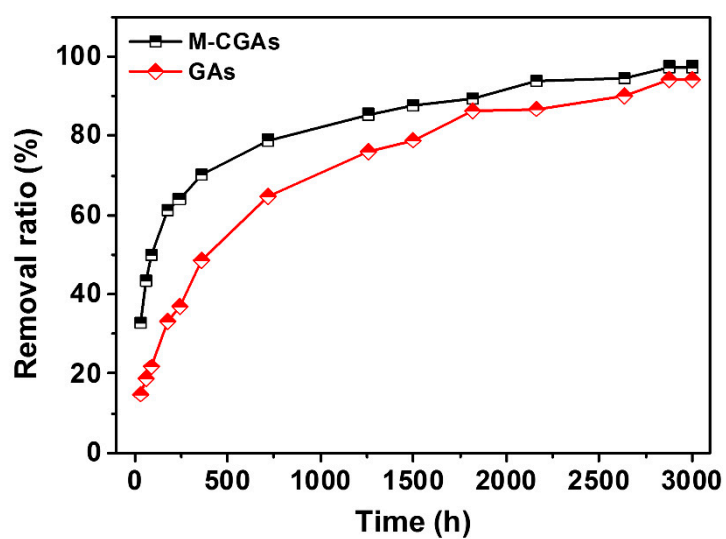


Figure S3. Removal ratio of GAs and M-CGAs for RhB in water at room temperature.

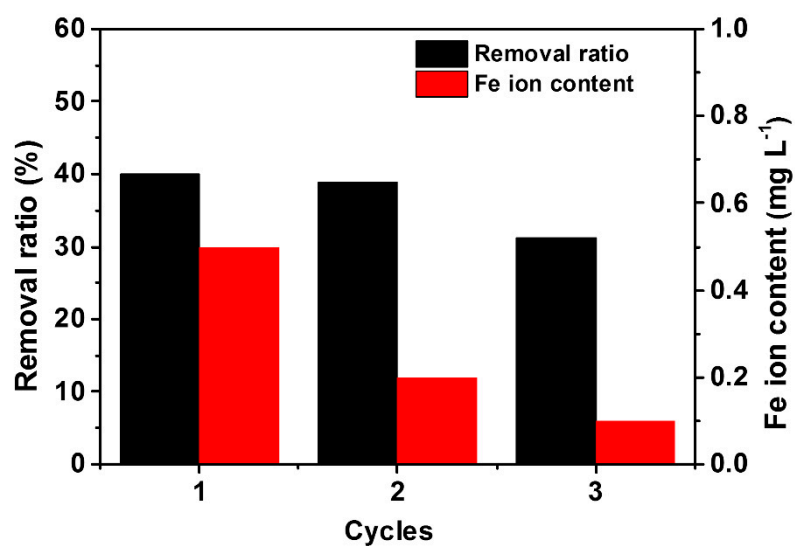


Figure S4. RhB removal ratio of M-CGAs and Fe ion content in the eluents of different adsorption-desorption cycles.

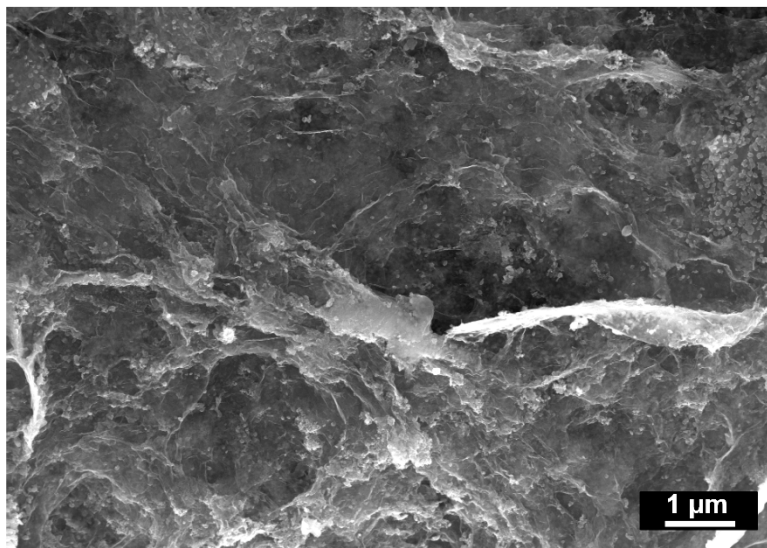


Figure S5. SEM image of M-CGAs after cyclic adsorption-desorption.