

Facile Preparation of a Hydrophilic Magnetic Solid-Phase Extraction Hybrid Nanomaterial for Highly Efficient Enrichment of Phthalates in Environmental Water

Yinghua Yan*, Yujie Lu, Baichun Wang, Yiqian Gao, Jiawen Ge, Hongze Liang*, Dapeng Wu

School of Materials Science and Chemical Engineering, Ningbo University, Ningbo 315211, China

*Corresponding author: Yinghua Yan, Prof. Hongze Liang

E-mail: yanyinghua@nbu.edu.cn, lianghongze@nbu.edu.cn

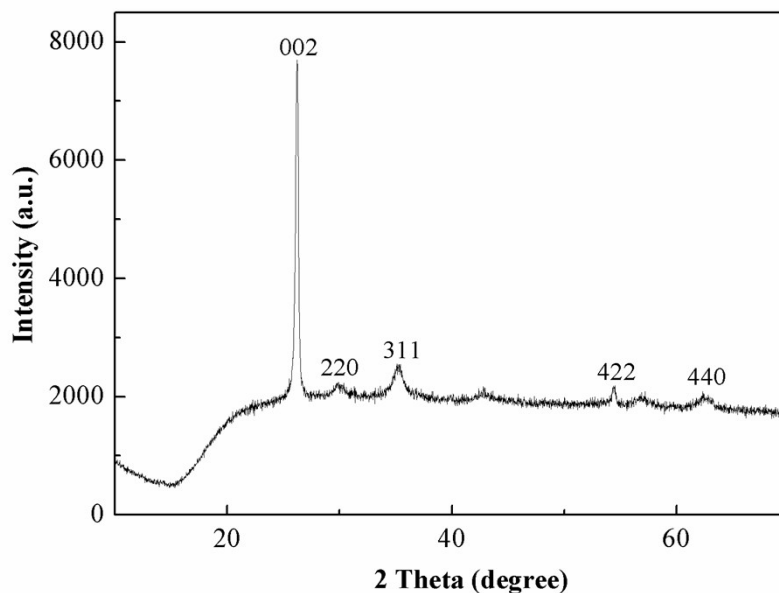


Fig. S1. Wide angle XRD pattern of magG@PDA@C₁₈.

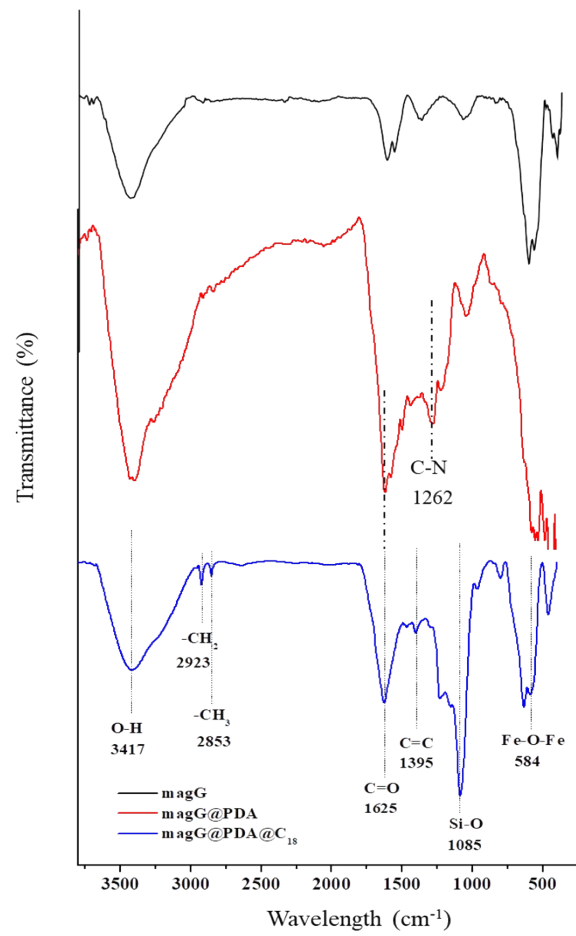


Fig. S2. FT-IR spectra of magG, magG@PDA, magG@PDA@C₁₈.

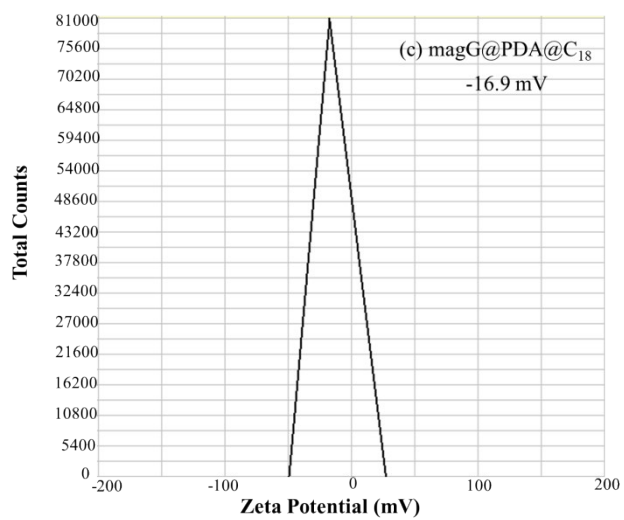
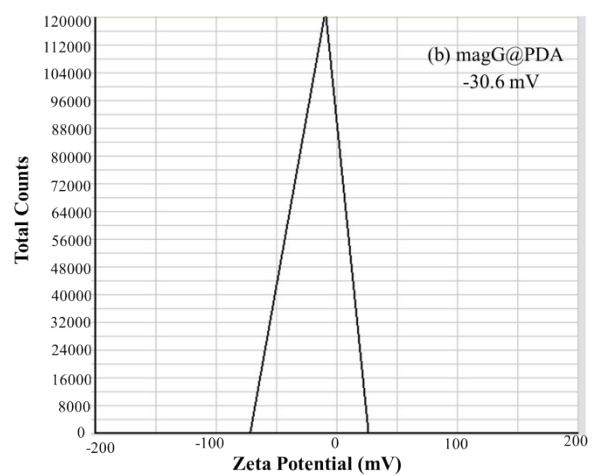
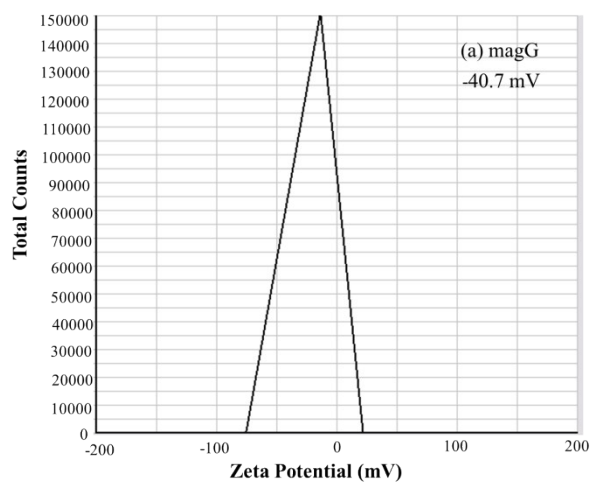


Fig. S3. Zeta potential distributions of (a) magG, (b) magG@PDA and (c) magG@PDA@C₁₈.

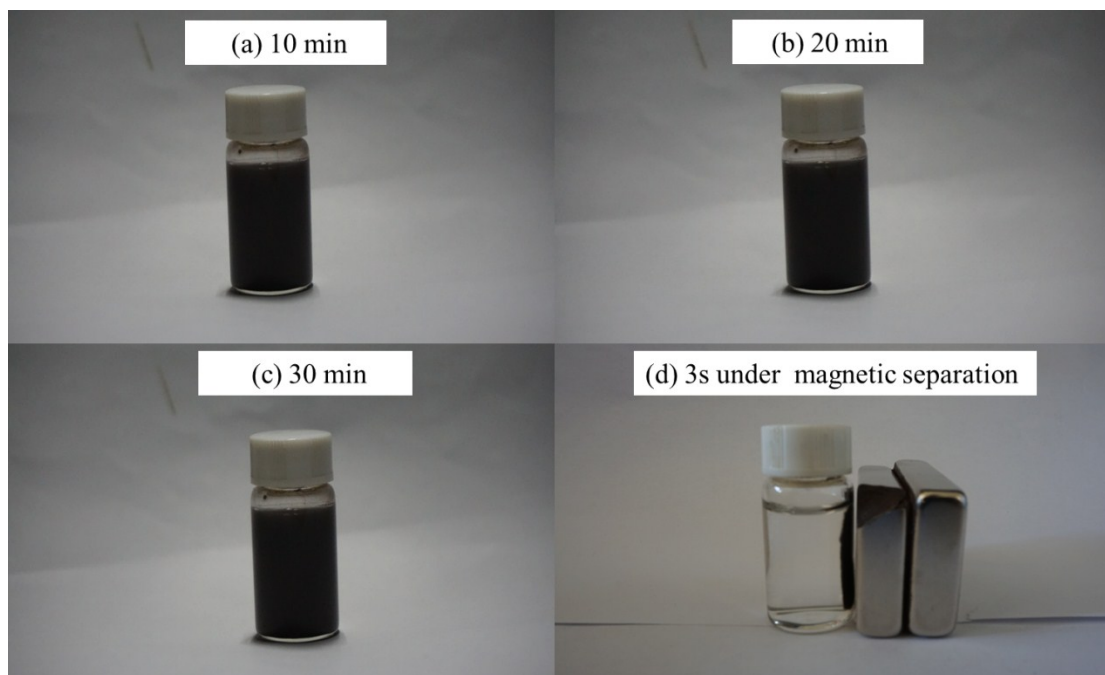


Fig. S4. magG@PDA@C₁₈ dispersion in water solution: (a) 10 min, (b) 20 min, (c) 30 min, and (d) 3 s under magnetic separation.