

Supplementary Information (SI)

Adsorption of phosphate onto amine functionalized nano-sized magnetic polymer adsorbents: Mechanism and magnetic effect

Haoyu Shen^{a*}, Zhejun Wang^a, Ameng Zhou^a, Junliang Chen^a, Meiqin Hu^a, Xinyan Dong^a,
Qinghua Xia^b

^a Ningbo Institute of Technology, Zhejiang University; Ningbo, 315100, China;

^b Ministry-of-Education Key Laboratory for the Synthesis and Applications of Organic Functional Molecules, Hubei Collaborative Innovation Center for Advanced Organochemical Materials, Hubei University, Wuhan 430062, China

Figure Captions of Fig. S1~S4

Fig. S1 The preparation procedure of TEPA-Fe₃O₄-NMPs

Fig. S2 SEM (a) and TEM (b) of TEPA-Fe₃O₄-NMPs-1

Fig. S3 The species of phosphate (obtained by running Visual MINTEQ 3.0 based on the experimental data of total phosphate) (a) TEPA-Fe₃O₄-NMPs-0; (b) TEPA-Fe₃O₄-NMPs-0.5; (c) TEPA-Fe₃O₄-NMPs-1; (d) TEPA-Fe₃O₄-NMPs-1.5; (e) TEPA-Fe₃O₄-NMPs-2

Fig.S4 The zeta potential of TEPA-Fe₃O₄-NMPs as a function of pH

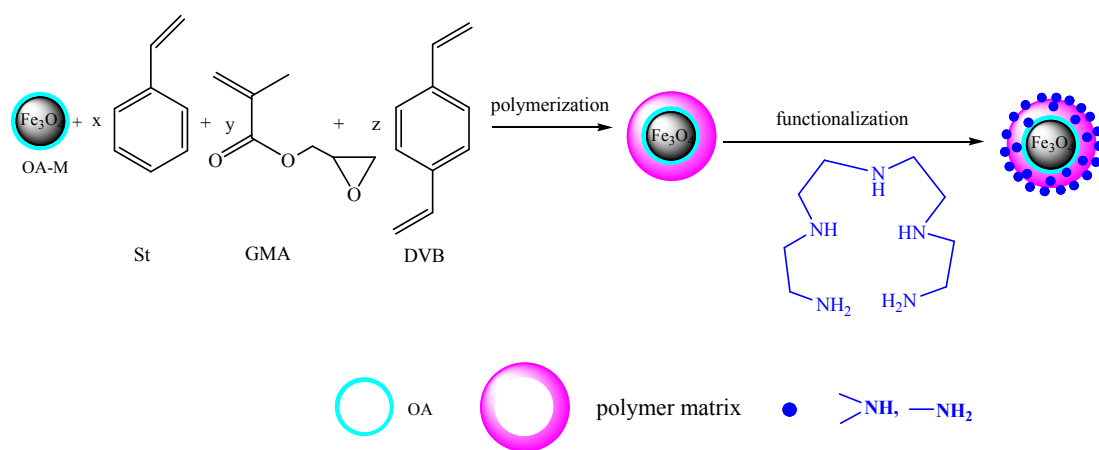
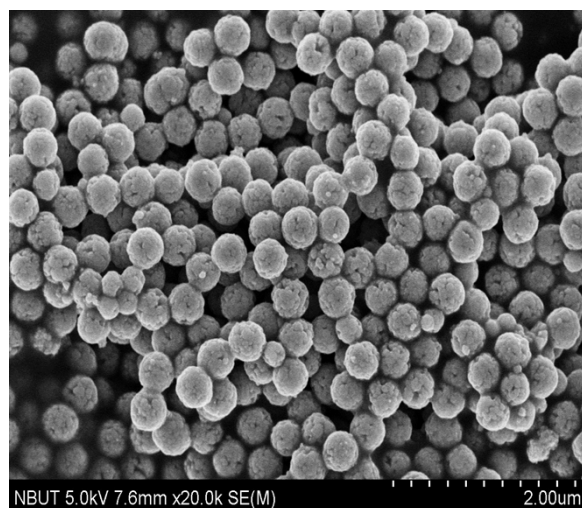
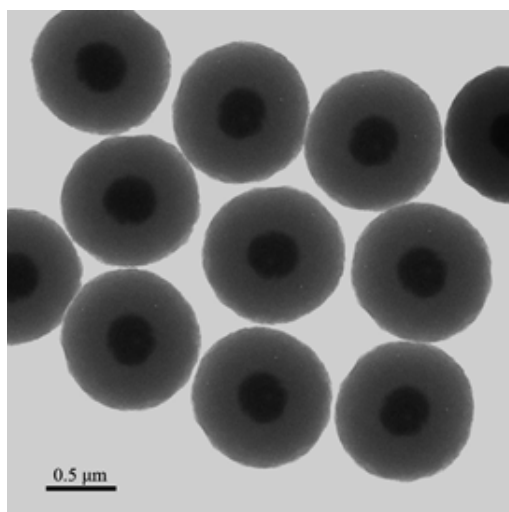


Fig. S1 The preparation procedure of TEPA- Fe_3O_4 -NMPs



(a)



(b)

Fig. S2 SEM (a) and TEM (b) of TEPA- Fe_3O_4 -NMPs-1

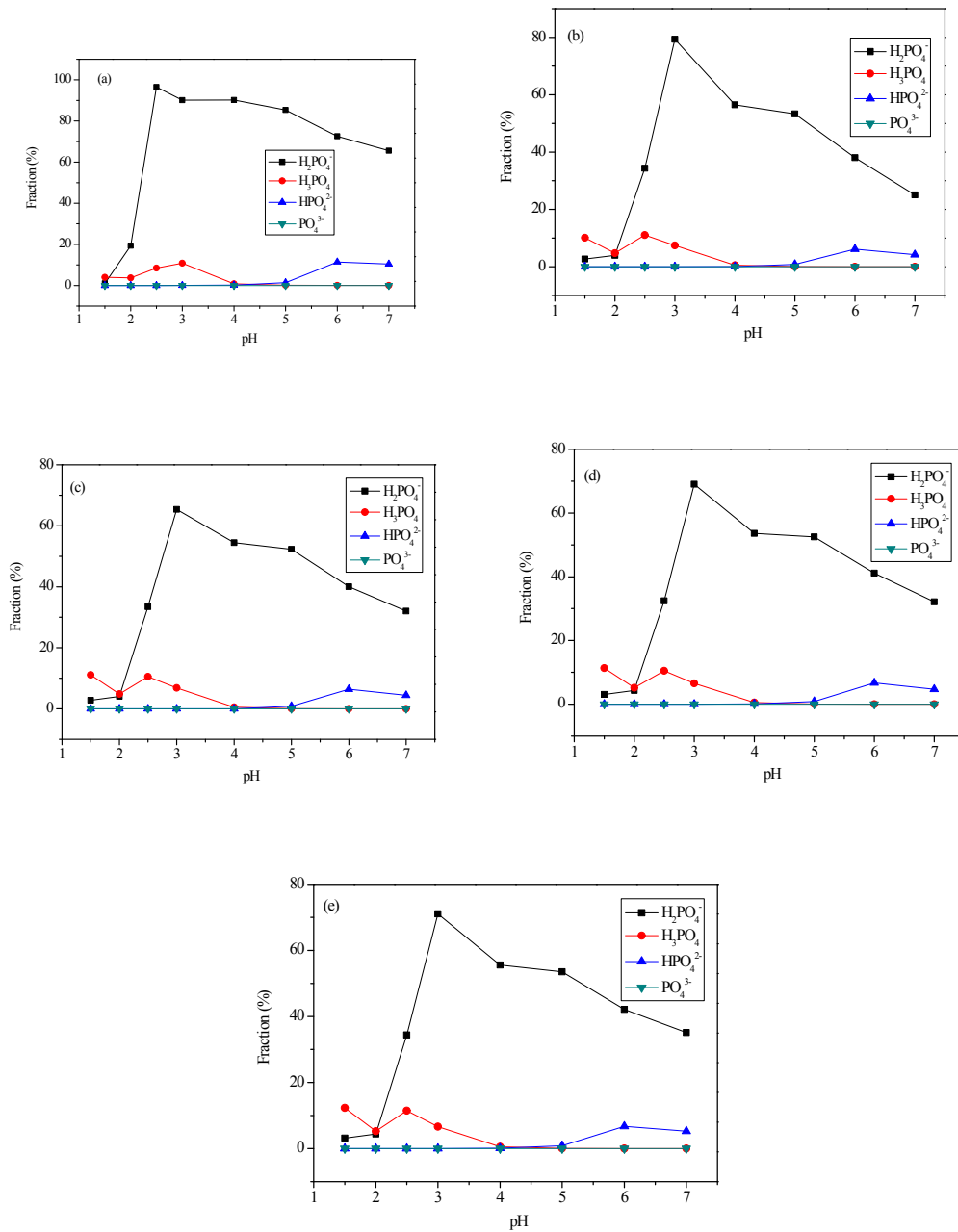


Fig. S3 The species of phosphate (obtained by running Visual MINTEQ 3.0 based on the experimental data of total phosphate)

(a) TEPA-Fe₃O₄-NMPs-0; (b) TEPA-Fe₃O₄-NMPs-0.5; (c) TEPA-Fe₃O₄-NMPs-1; (d) TEPA-Fe₃O₄-NMPs-1.5; (e) TEPA-Fe₃O₄-NMPs-2

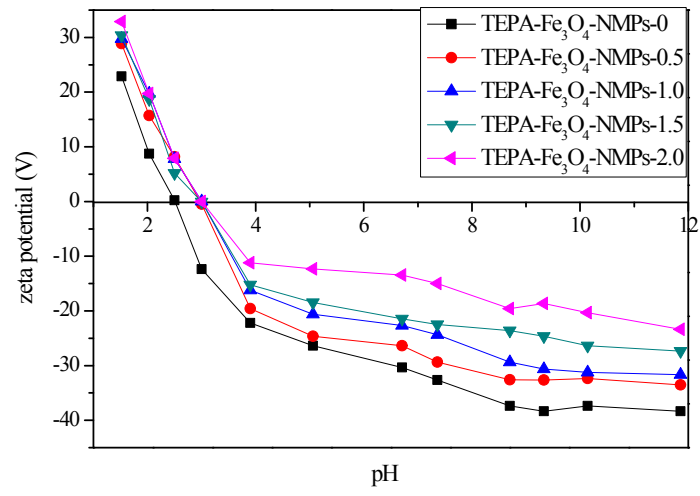


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