Supporting Information

One-pot low temperature solution synthesis, magnetic and microwave electromagnetic properties of single-crystal iron submicron cubes

Xi'an Fan, [a,b] Jianguo Guan, [*a] Zhongzhi Li, [a] Fanghi Mou, [a] Guoxiu Tong [a] and Wei Wang [a]

[a]State Key Laboratory of Advanced Technology for Materials Synthesis and Processing, Wuhan University of Technology, 122 Luoshi Road, Wuhan 430070, People's Republic of China

[b]Key Laboratory of Ferrous Metallurgy and Resources Utilization of Ministry of Education, Wuhan University of Science and Technology, 947 Heping Avenue, Wuhan 430081, People's Republic of China

[*] To whom correspondence should be addressed. E-mail: guanjg@whut.edu.cn, Tel: 86-27-87218832, Fax: 86-27-87879468

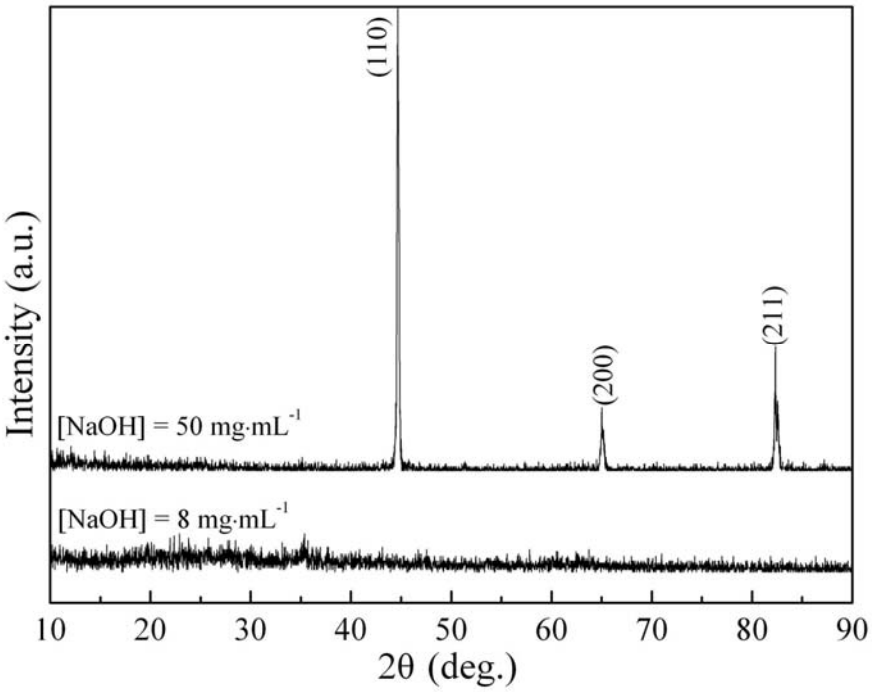

Figure S1. XRD patterns of the resultant products obtained at different [NaOH].

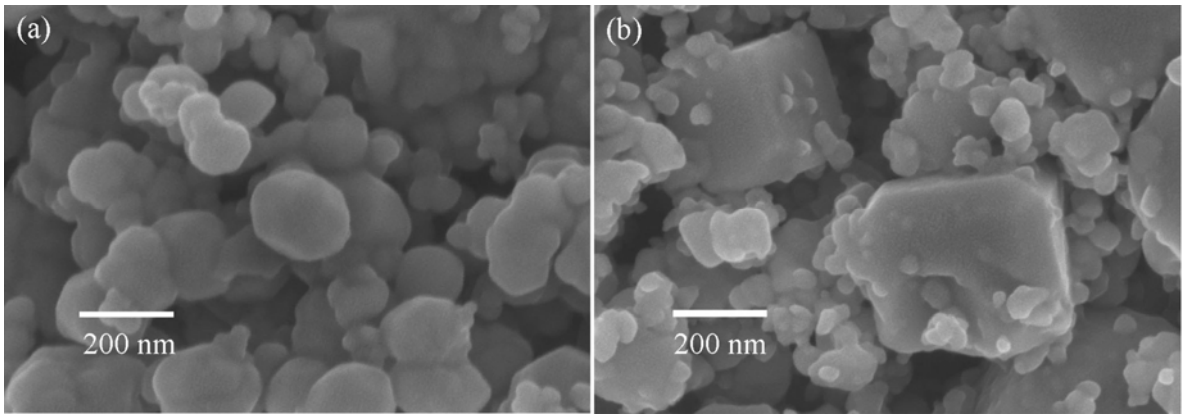

Figure S2. SEM images of the resultant products when deionized water (a) or glycol (b) is substituted for ethylenediamine.

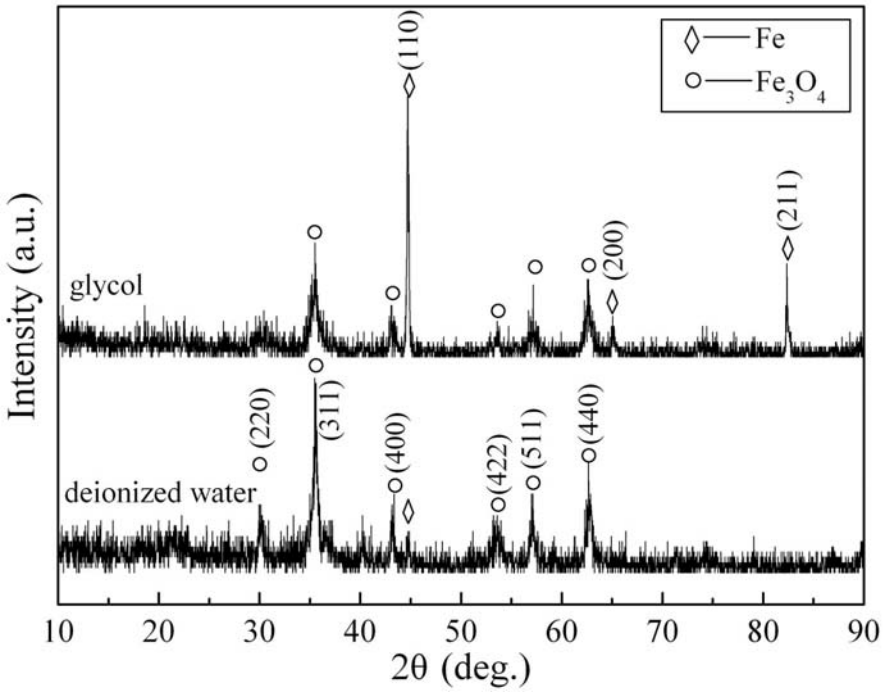

Figure S3. XRD patterns of the resultant products when deionized water or glycol is substituted for ethylenediamine.