

Supplementary Material (ESI) for Journal of Material Chemistry A

This journal is (c) The Royal Society of Chemistry 2014

**In-situ growth of monodisperse Fe₃O₄ nanoparticles on
graphene as flexible paper for supercapacitor**

*Miaomiao Liu, Jing Sun**

*The State Key Lab of High Performance Ceramics and Superfine Microstructure,
Shanghai Institute of Ceramics, Chinese Academy of Sciences, 1295 Ding Xi Road,*

Shanghai 200050, China

E-mail address: jingsun@mail.sic.ac.cn (J. Sun)

Tel: +86-12-52414301. Fax: +86-21-52413122

Electronic Supplementary Information (ESI)

Supplementary Graphics

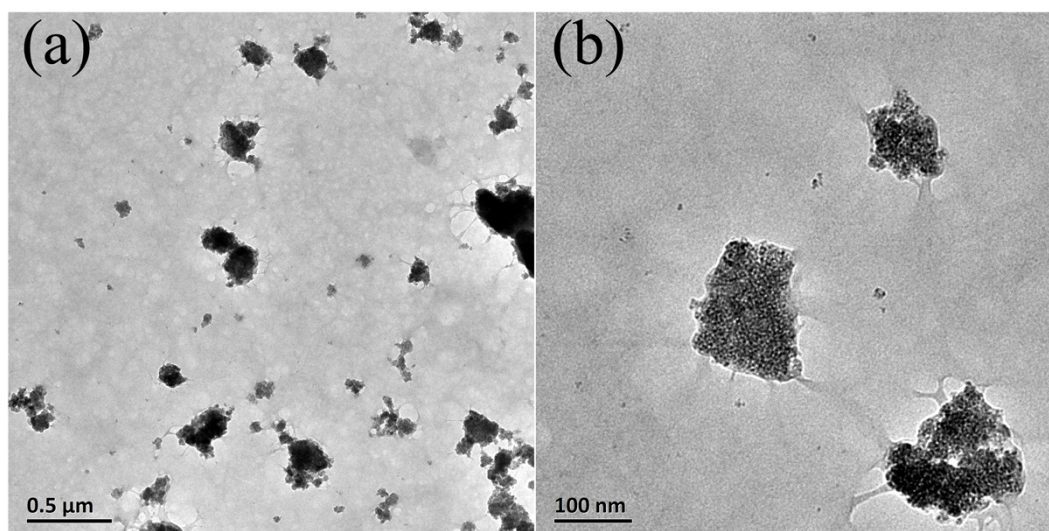


Fig. S1 TEM images of Fe_2O_3 .

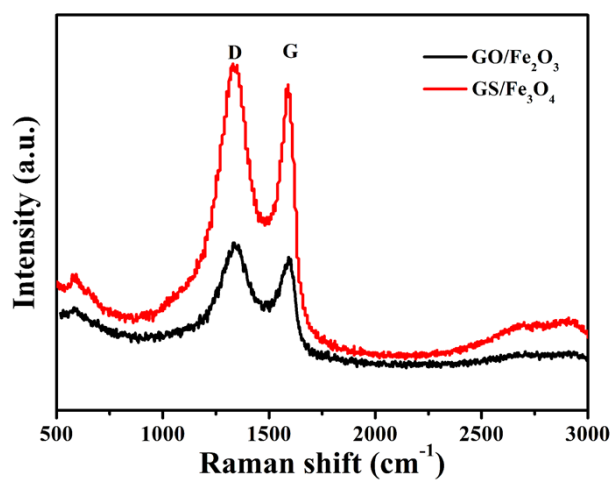


Fig. S2 Raman spectra of $\text{GO}/\text{Fe}_2\text{O}_3$ and $\text{GS}/\text{Fe}_3\text{O}_4$ composites.

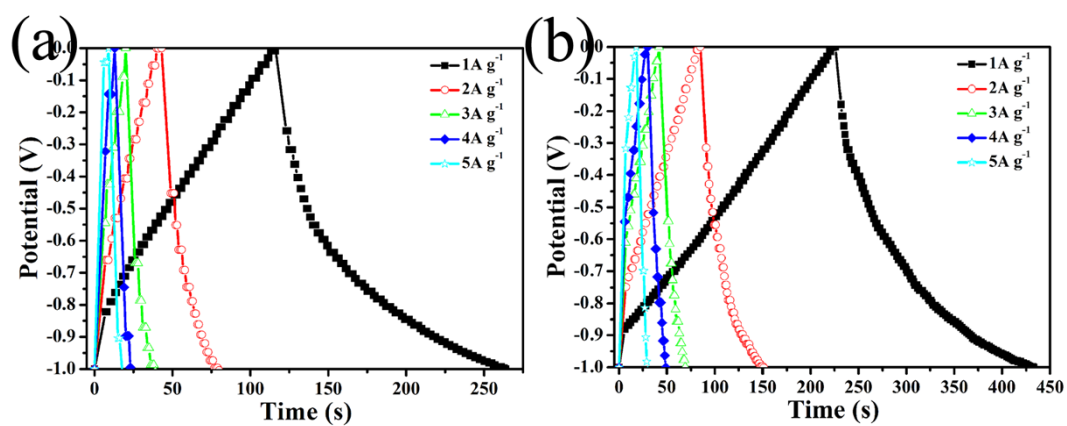


Fig. S3 Galvanostatic charge/discharge curves of (a) Trad. Fe₃O₄ (b) Trad. GS/Fe₃O₄ electrodes at different current densities.

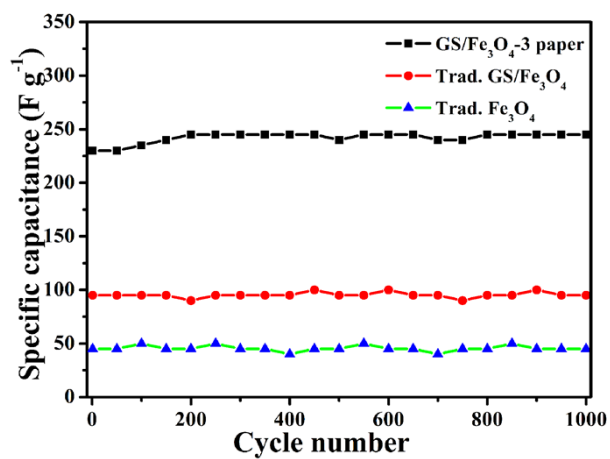


Fig. S4 Cyclic performance of Trad. Fe₃O₄, Trad. GS/Fe₃O₄ and GS/Fe₃O₄-3 paper at 5 A g⁻¹.