

Electronic Supplementary Information (ESI) for New Journal of Chemistry

Ultrahigh Cycling Stability and Rate Capability of ZnFe₂O₄@Graphene Hybrid Anode Prepared through a Facile Syn-graphenization Strategy

Lei Liu^a, Rui Gao^a, Limei Sun^{b*}, Songbai Han^b, Dongfeng Chen^b, Zhongbo Hu^a, Xiangfeng Liu^{a*}

^a College of Materials Science and Opto-Electronic Technology, University of Chinese Academy of Sciences, Beijing 100049, China

^b Department of Nuclear Physics, China Institute of Atomic Energy, Beijing 102413, China

*E-mail: liuxf@ucas.ac.cn. Tel.: +86 10 8825 6840.

*E-mail: sunlm@ciae.ac.cn Tel.: +86 10 6935 8741.

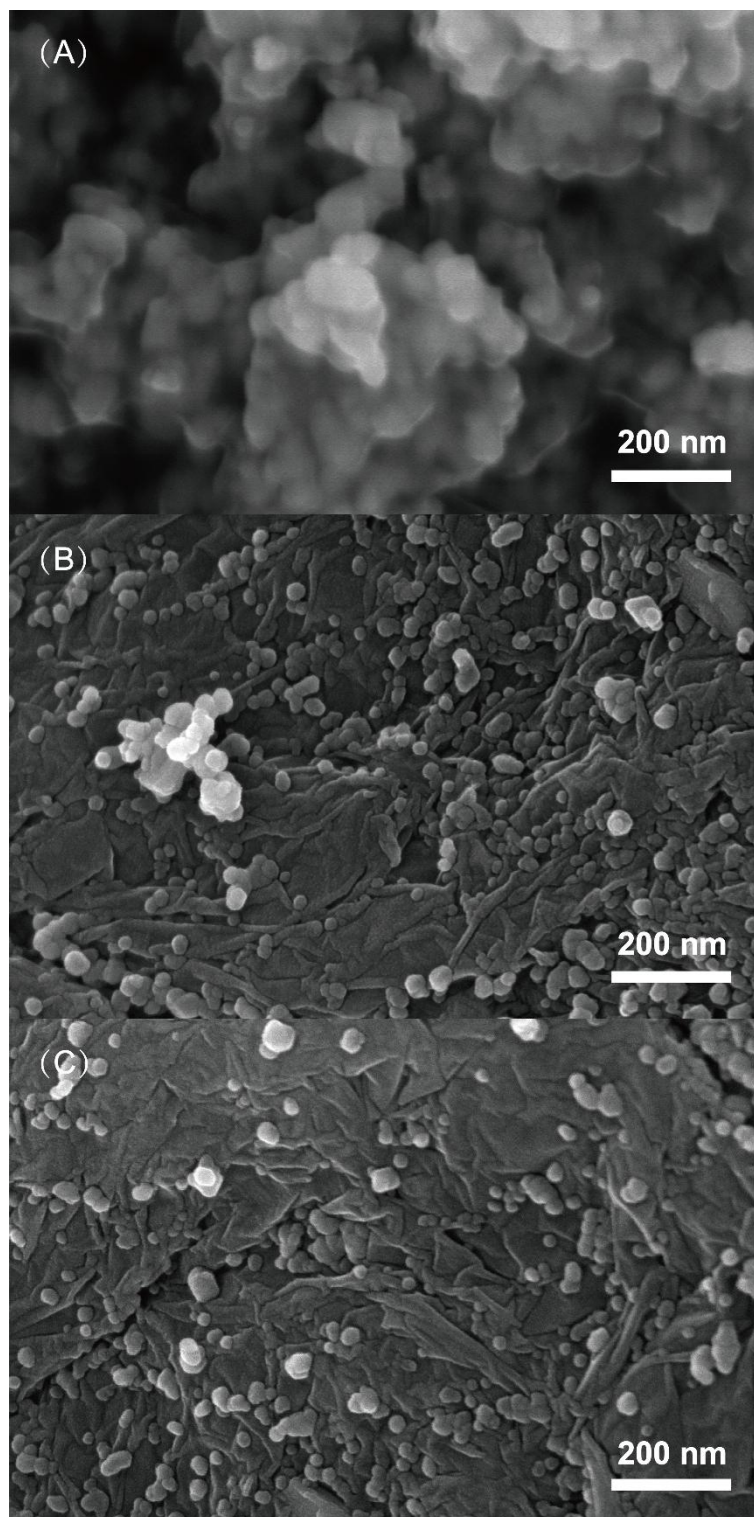


Figure S1. SEM images of the materials. (A)ZnFe₂O₄; (B)ZnFe₂O₄-RGO1; (C)ZnFe₂O₄-RGO2.

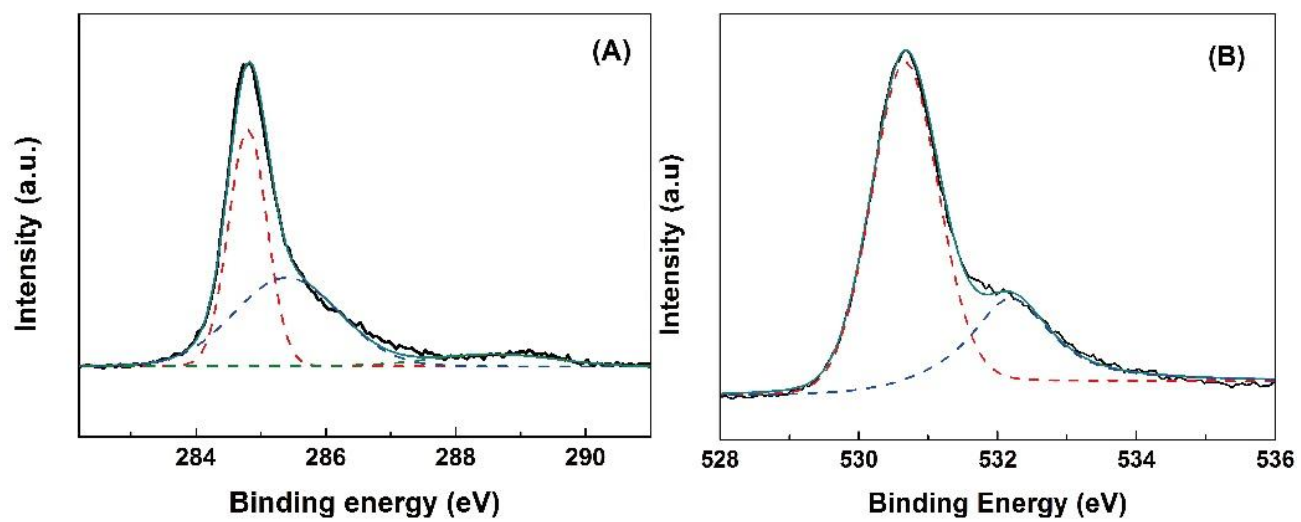


Figure S2. XPS spectra of C 1s (A) and O 1s of ZnFe₂O₄-RGO2.

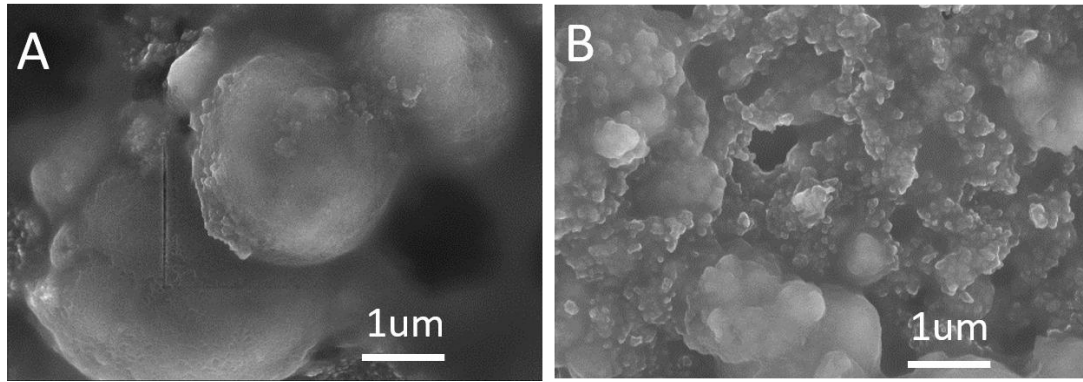


Figure S3. SEM images of samples after 20 cycles of discharge and charge. (A) ZnFe_2O_4 ; (B) $\text{ZnFe}_2\text{O}_4\text{-RGO}_2$