

Three-Dimensional Porous Nano-Ni/Fe₃O₄ Composite Film: Enhanced Electrochemical Performance for Lithium Ion Batteries

Qing-qing Xiong, Jiang-ping Tu,^{*} Yi Lu, Jiao Chen, Ying-xia Yu, Xiu-li Wang and
Chang-dong Gu

State Key Laboratory of Silicon Materials, Key Laboratory of Advanced Materials and Applications for Batteries of Zhejiang Province and Department of Materials Science and Engineering, Zhejiang University, Hangzhou 310027, China

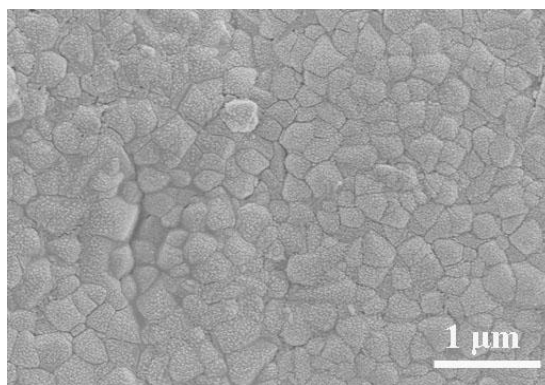


Fig. S1 A SEM image of ordinary Fe₃O₄ film

^{*}Corresponding Author

Tel.: +86 571 87952856. Fax: +86 571 8795 2573. E-mail: tujp@zju.edu.cn (J. P. Tu)

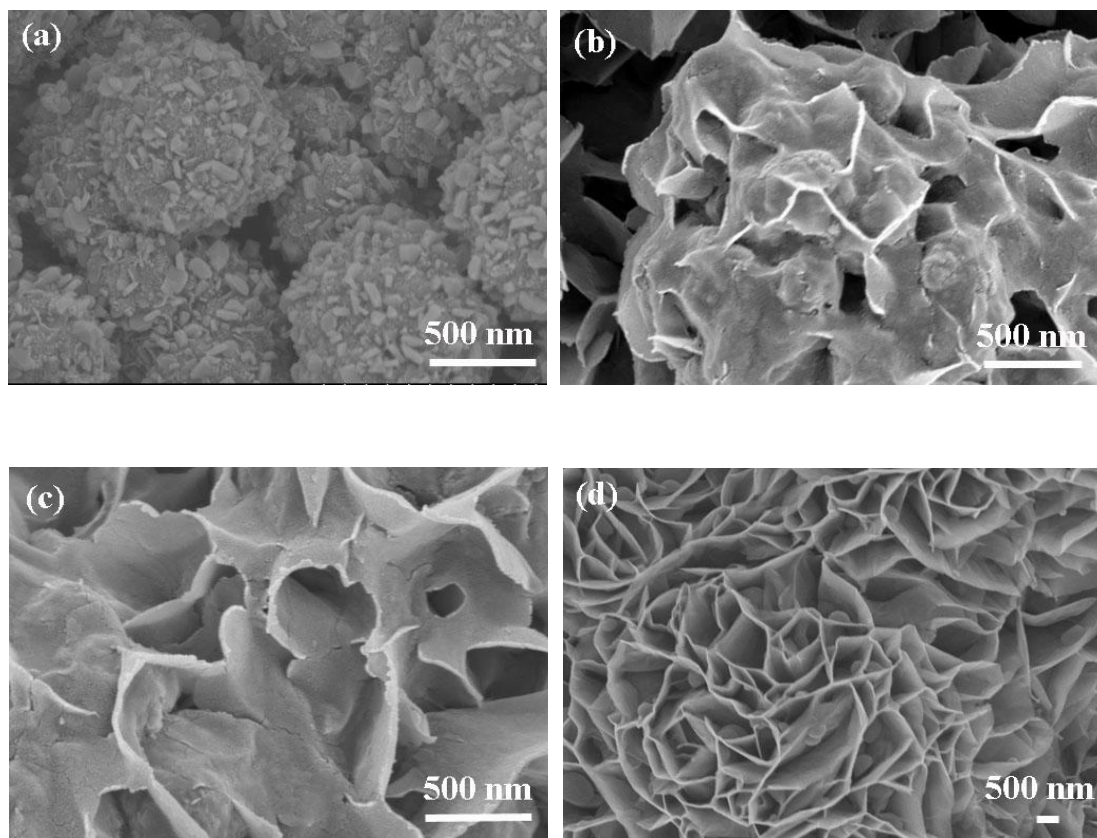


Fig. S2 SEM images of the 3D porous nano-Ni/Fe₃O₄ composite film obtained at different electrodeposition times: (a) 60 s, (b) 90 s, (c) 120 s, (d) 180 s

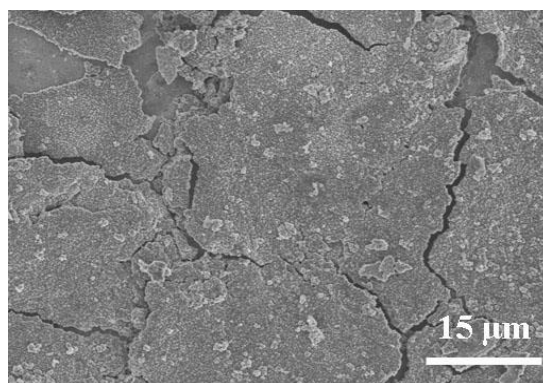


Fig. S3 A SEM image of ordinary Fe₃O₄ film after 50 cycles at 1 C