Supporting Information for

Rugated porous Fe₃O₄ thin films as stable binder-free anode materials for lithium ion

batteries

Hua Cheng^{1, 2, 3}, Zhouguang Lu⁴, Ruguang Ma¹, Yucheng Dong^{1, 2}, H. E. Wang¹,

Liujiang Xi¹, Lingxia Zheng^{1, 2}, Chun Kwan Tsang^{1, 2}, Hui Li,^{1, 2}, C.Y. Chung¹, J. A. Zapien^{1, 2}, Yang Yang Li^{1, 2, *}



Figure S1. Optic photographs of the straight-channel (a) and rugated (b) samples at different stages: (I) as-anodized; (II) after thermal treatment in H_2/Ar ; (III) after the electrochemical test with 50 charge-discharge cycles.