Supporting Information

A simple preparation of porous graphene nanosheets containing onion-like nano-holes with favorable high-rate Li-storage performance

Ranran Song,[a,*] *Bin Cao,*[b] *Di Zhang,*[a] *Huaihe Song*[b,*]

[a.] Key Laboratory of Aerospace Advanced Materials and Performance of Ministry of Education, School of Materials Science and Engineering, Beihang University, Beijing, 100191, P.R. China. E-mail: songranran2014@163.com

[b.] State Key Laboratory of Chemical Resource Engieering, Beijing Key Laboratory of Electrochemical Process and Technology for Materials, Beijing University of Chemical Technology, Beijing, 100029, P. R. China. E-mail: songhh@mail.buct.edu.cn.

† * Corresponding authors.

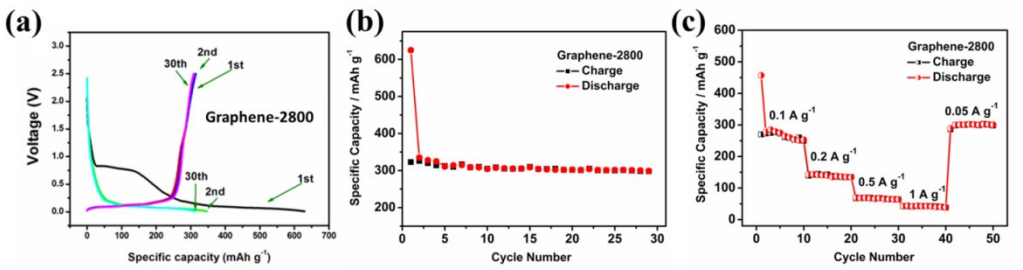

Figure S1. (a) Galvanostatic discharge/charge curves, (b) cycling performance at a current density of 50 mA g^{-1}, and (c) rate performance at 0.05-1 A g^{-1} of Graphene-2800 electrode.

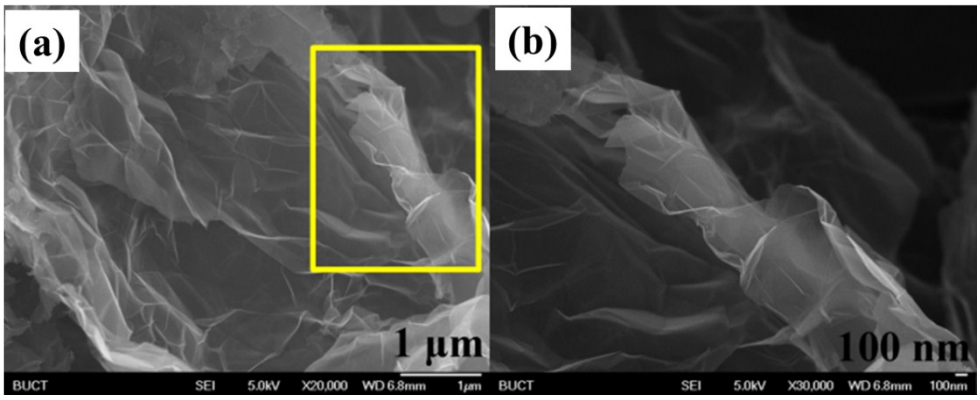

Figure S2. (a) SEM image of Graphene-2800 and (b) high resolution image of the marked area in (a).