Electronic Supplementary Information

Electrochemical construction of three dimensional porous Mn$_3$O$_4$ nanosheet arrays as anode of ultrahigh performance lithium ion battery

Xiao-Yong Fan*, Cui Yu, Pan Liu, Lei Gou, Lei Xu, Dong-Lin Li

School of Materials Science and Engineering, Chang’an University, Xi’an 710061, China

Fig. S1 photos of 3D porous Cu (a), as-deposited 3D porous MnO$_x$H$_y$ before (b) and after (c) exposing in air for 48 h, Cu foil (d), as-deposited MnO$_x$H$_y$ before (e) and after (f) exposing in air for 48 h.
Fig. S2 TEM image of as-deposited 3D porous MnO$_x$H$_y$ after exposing in air.
Fig. S3 Charge/discharge curves of the as-electrodeposited 3D porous MnO$_x$H$_y$ NAs (a) and as-electrodeposited MnO$_x$H$_y$ NAs (b), and their cyclability curves (c).