[Electronic Supplementary Information]

Electrochemically grown three-dimensional porous Si@Ni inverse opal structure for higher-performance Li ion battery anode

Do Youb Kim, a Jungdon Suk, a Dong Wook Kim, a Yongku Kang,* a Sang Hyuk Im, b Youngjo Yang, c O Ok Park c

a Advanced Materials Division, Korea Research Institute of Chemical Research, 141 Gajeong-ro, Yuseong-gu, Daejeon 305-600, Republic of Korea.

b Department of Chemical Engineering, College of Engineering, Kyung Hee University, Yong in-si, Kyunggi-do 446-701, Republic of Korea.

c Department of Chemical and Biomolecular Engineering, KAIST, 291 Daehak-ro, Yuseong-gu, Daejeon 305-701, Republic of Korea.

*E-mail: ykang@kRICT.re.kr
Fig. S1 Typical low resolution XPS spectrum recorded of as-prepared 3D porous Si@Ni inverse opal structure between 0 and 600 eV (left), and high resolution Si 2p spectrum of the sample (right), respectively. S1-S3

References