Electronic Supplementary Material (ESI) for RSC Advances

"Mesoporous Composite Cathode Materials Prepared from Inverse Micelle Structure for High Performance Lithium Ion Batteries"

Si-Jin Kim,[a] Young-Woo Lee,[a] Bo-Mi Hwang,[a] Seong-Bae Kim,[a,b] Woo-Seong Kim,[b] Guozhong Cao,[c] and Kyung-Won Park [a,*]

Department of Chemical Engineering, Soongsil University, Seoul 156-743, Republic of Korea

*kwpark@ssu.ac.kr

Supporting materials include:

Part I. Supplementary figures

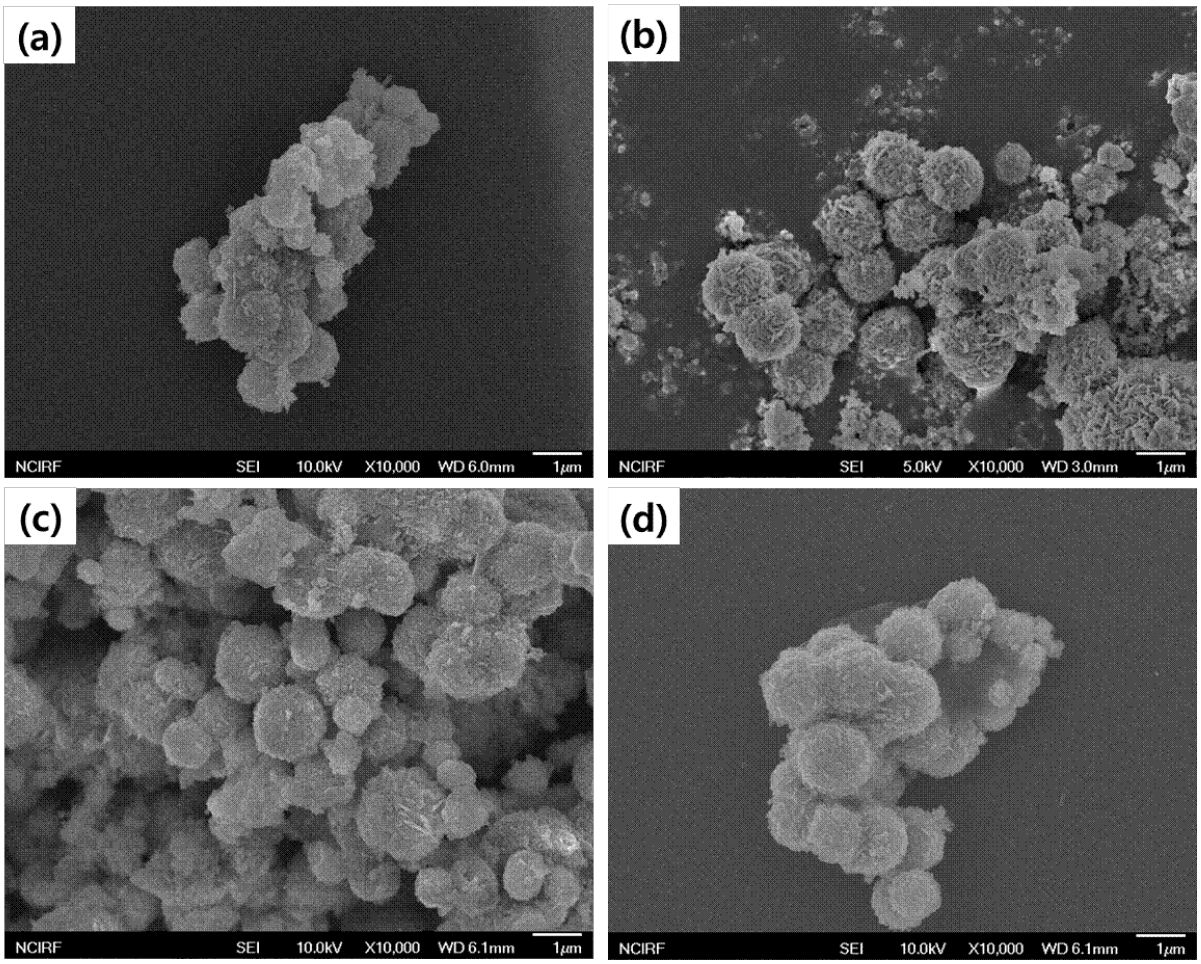

Fig. S1 SEM images of $Li_4Mn_5O_{12}$ /Li_2MnO_3 composite electrodes prepared with the Li/Mn of (a) 1.5, (b) 1.9, (c) 2.5 and (d) 3.0.

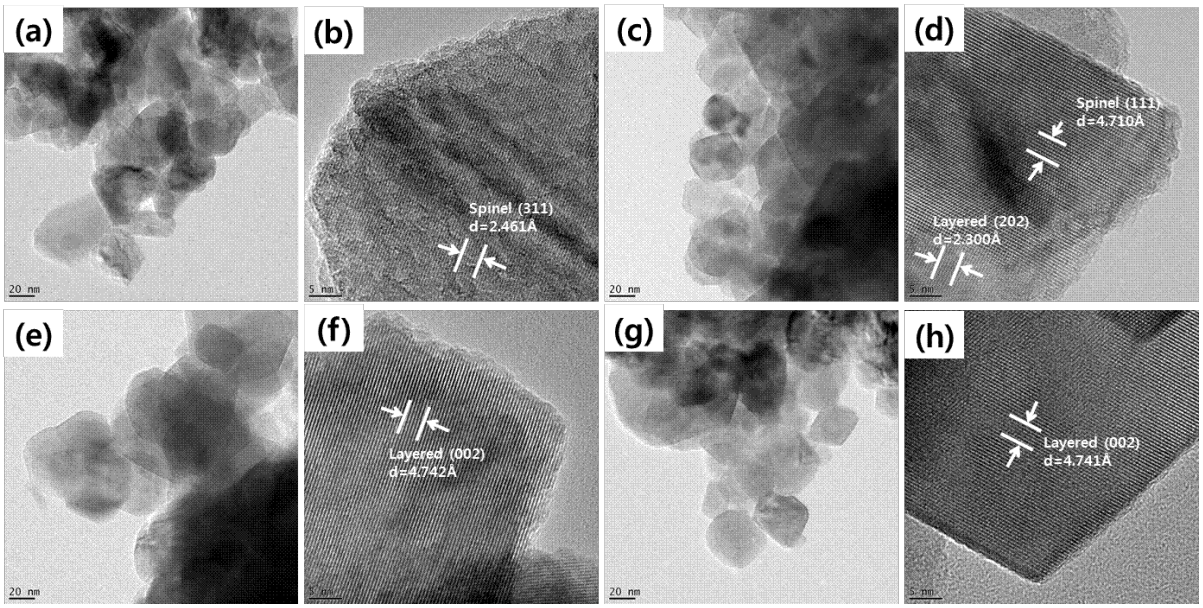

Fig. S2 TEM and HR-TEM images of $Li_4Mn_5O_{12}$ /Li_2MnO_3 composite electrodes prepared with the Li/Mn of (a),(b) 1.5; (c),(d) 1.9; (e),(f) 2.5; and (g),(h) 3.0.

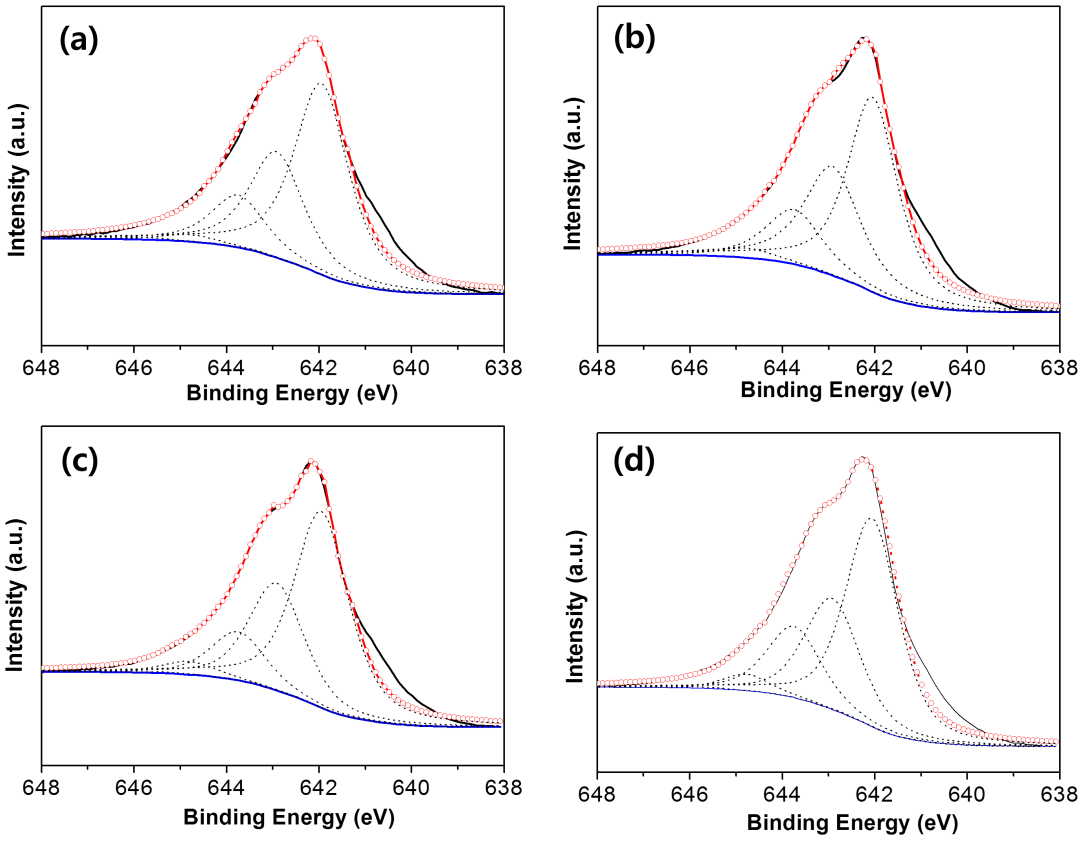

Fig. S3 XPS $Mn2p_{3/2}$ spectra of $Li_4Mn_5O_{12}/Li_2MnO_3$ composite electrodes prepared with the Li/Mn of (a) 1.5, (b) 1.9, (c) 2.5, and (d) 3.0.