Description of Additional Supplementary Files

Supplementary Movie 1

The evolution of (001) stacking fault with fault vector of $b/6$[110] Li_2MnO_3 in delithiation observed by in-situ HREM. The frame speed is 64 X faster than real time.

Supplementary Movie 2

In Li_2MnO_3 delithiation, dissociated dislocations with Burgers vector of $c/2$[001] formed. The frame speed is 2 X faster than real time.

Supplementary Movie 3

In-situ HREM of Li_2MnO_3 in lithiation showing the generation and climbing of the dislocations with Burgers vector of $c/2$[001]. The frame speed is 8 X faster than real time.

Supplementary Movie 4

In-situ HREM of Li_2MnO_3 in lithiation showing the gliding and climbing of the dislocations with Burgers vector of $c/2$[001]. The frame speed is 2 X faster than real time.