

## Supplementary Information

### Enhancing coulombic efficiency and rate capability of high capacity lithium excess layered oxide cathode material by electrocatalysis of nanogold

Quanxin Ma, Deying Mu, Yuanlong Liu, Shibo Yin, Changsong Dai\*

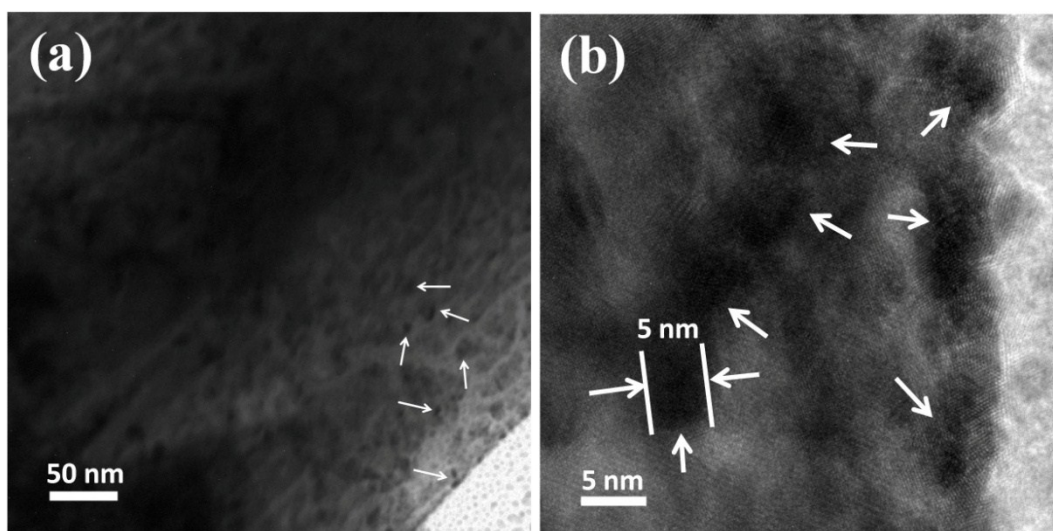


Fig. S1 HRTEM images of the Au@LMNCO sample at different magnifications

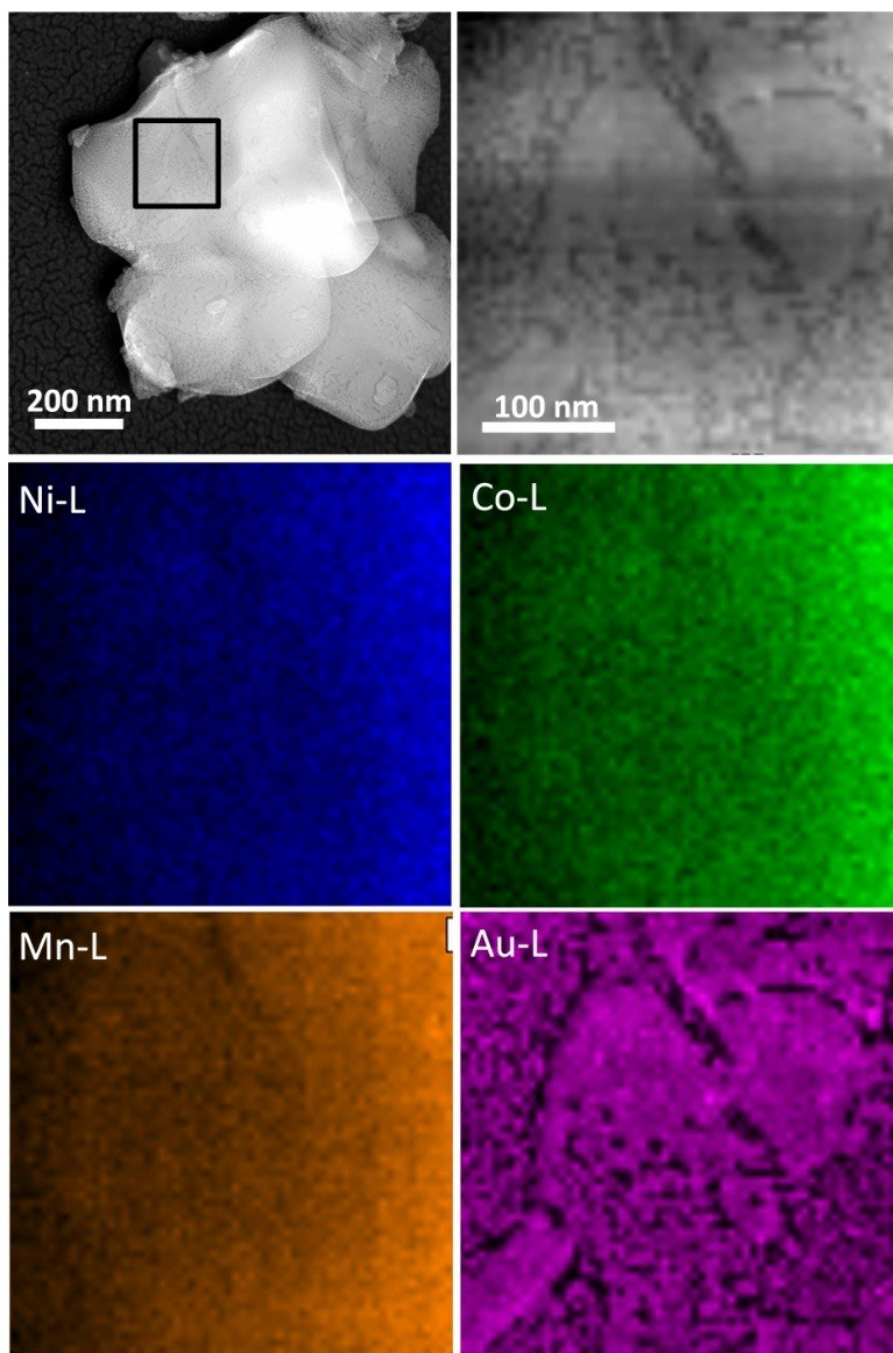


Fig. S2 Elemental mapping of the Au@LMNCO sample by scanning TEM (STEM)