

Supplementary Information

Optimized Al₂O₃ layer enhancing anode performance of NiCo₂O₄ nanosheets for sodium ion batteries

Huari Kou^a, Xifei Li^{a,b*}, Hui Shan^{a,b}, Linlin Fan^{a,b}, Bo Yan^{a,b}, Dejun Li^a

^aTianjin International Joint Research Centre of Surface Technology for Energy Storage Materials, College of Physics and Materials Science, Tianjin Normal University, Tianjin 300387, China. E-mail: xfli2011@hotmail.com; Tel: +86-13502042013

^bCenter for Advanced Energy Materials and Devices, Xi'an University of Technology, Xi'an 710048, China.

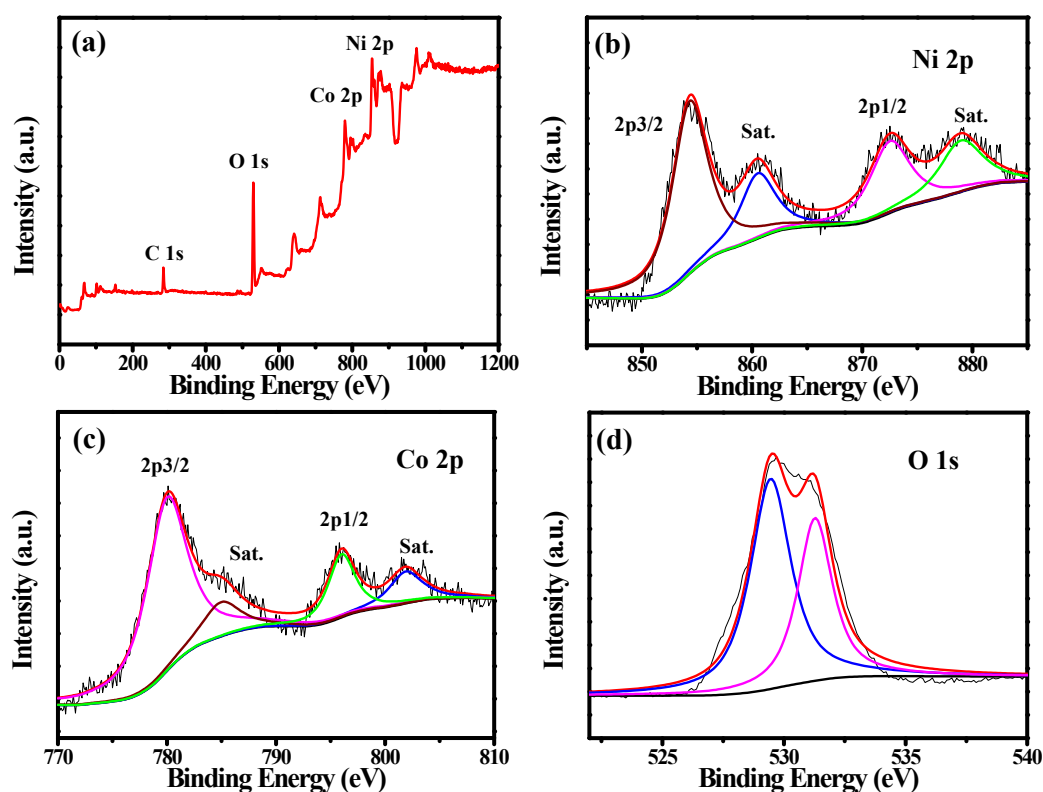


Fig. S1. XPS spectra of NiCo₂O₄-0c: (a) survey spectrum, (b) Ni_{2p}, (c) Co_{2p} and (d) O_{1s}.

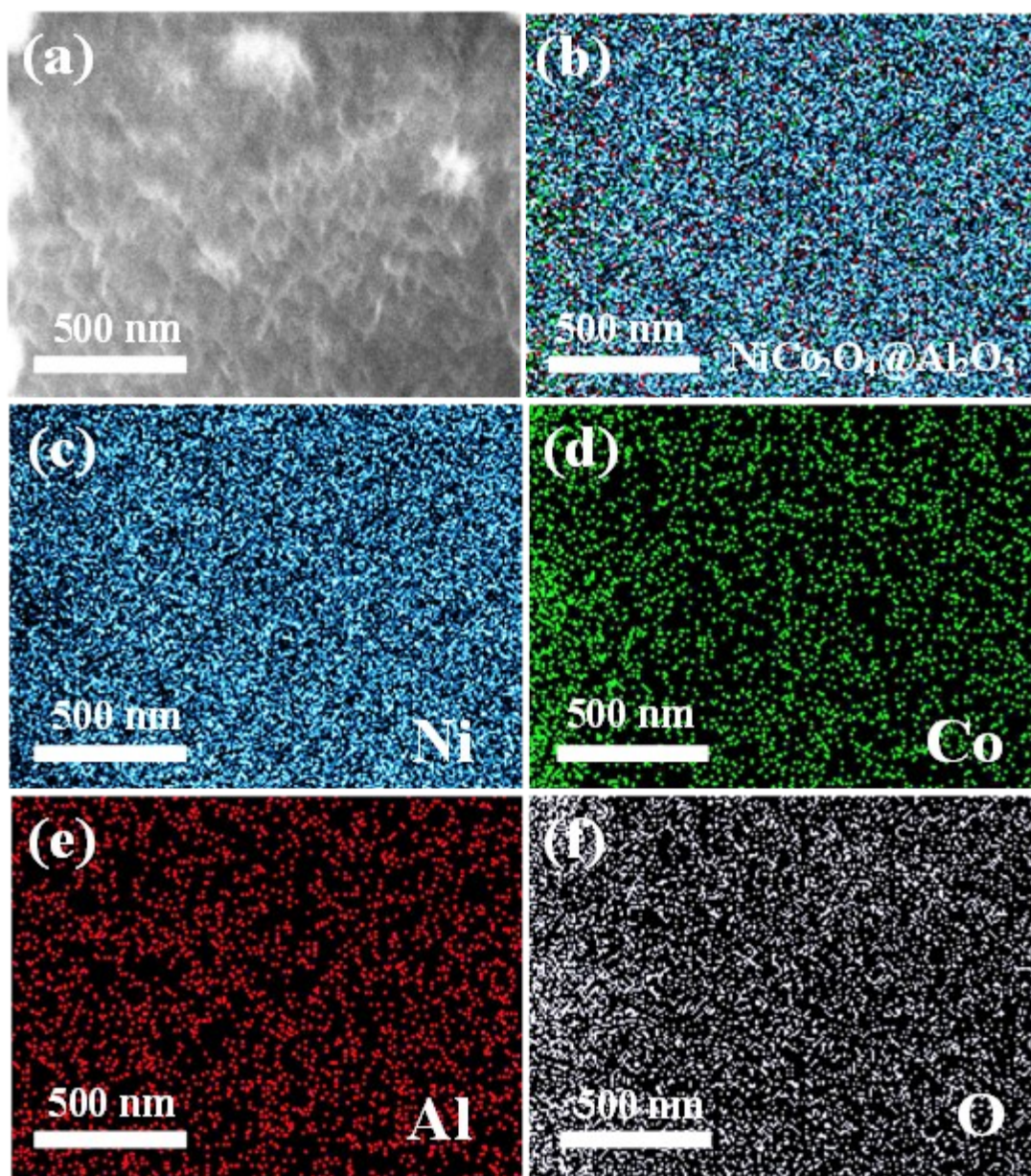


Fig. S2. (a) SEM and (b-f) elemental mapping images of NiCo₂O₄-50c.

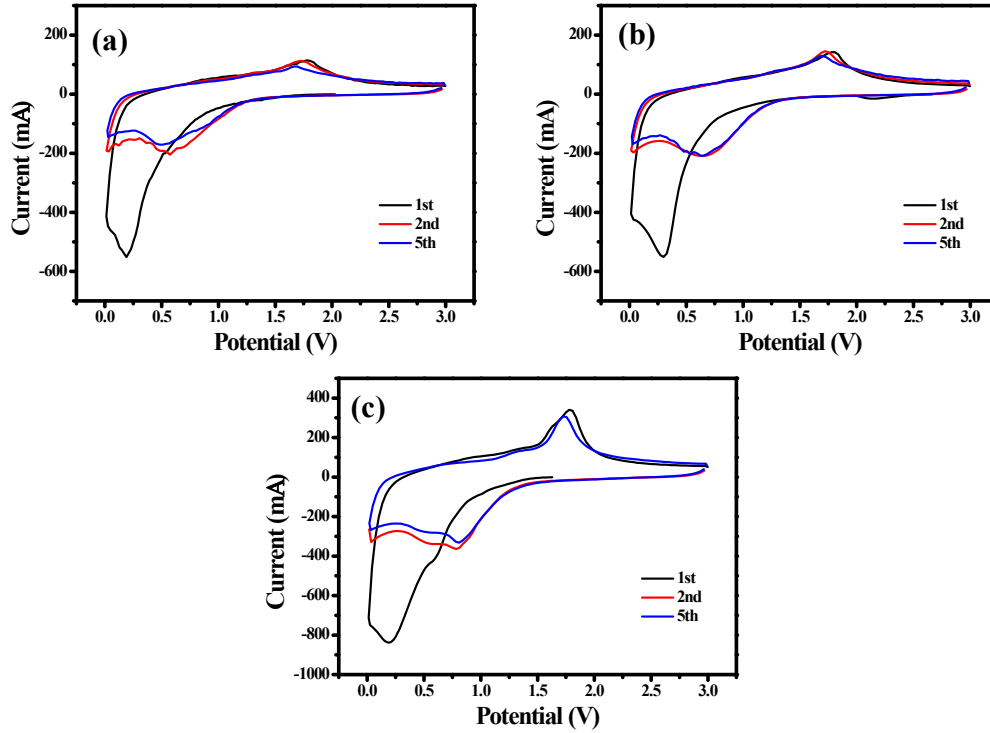


Fig. S3. The CV curves of (a) NiCo₂O₄-5c, NiCo₂O₄-10c and (c) NiCo₂O₄-50c in the 1st, 2nd and 5th cycles.

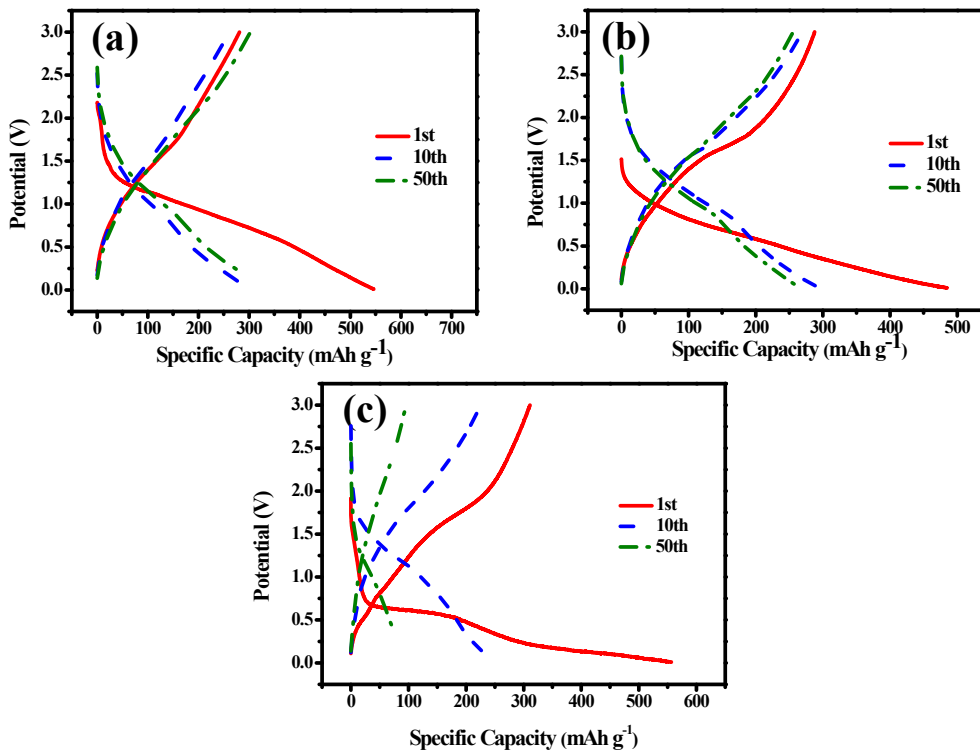


Fig. S4. The charge-discharge profiles of (a) NiCo₂O₄-5c, (b) NiCo₂O₄-10c and (c) NiCo₂O₄-50c.