

Figure S1 CV curves at 1st and 100st cycle for the NiCr_2O_4 electrode using a three-electrode system.

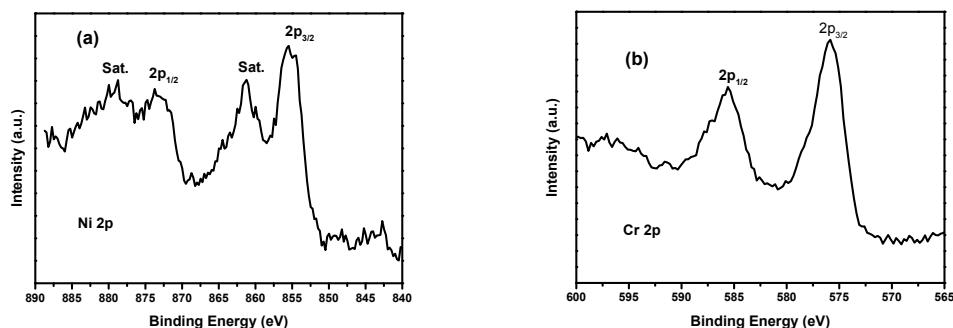


Figure S2. The Ni 2p (a) and Cr 2p (b) core level spectra of NiCr_2O_4 after cycles

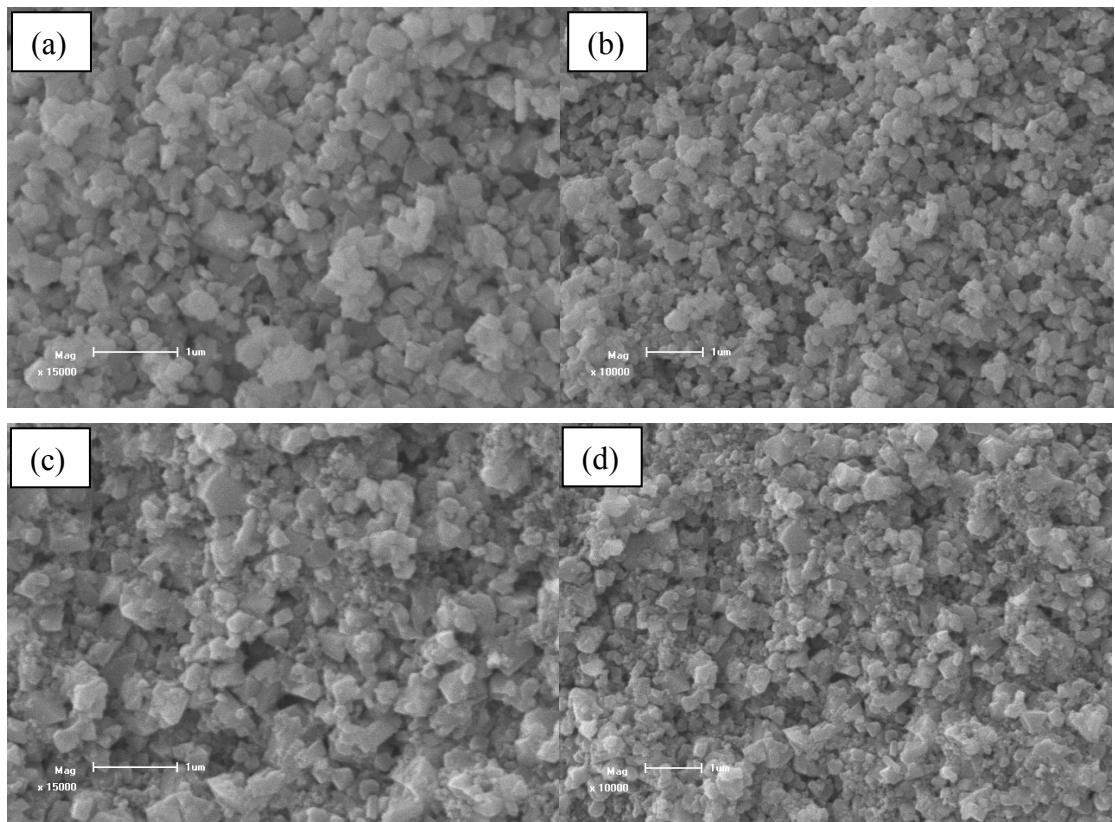


Figure S3. SEM images of the NiCr_2O_4 electrode before (a-b) and after (c-d) the charge/discharge cycles on the assembled NiCr_2O_4 symmetric device