

Figure S2. The accumulated volume of generated hydrogen vs. reaction time at different initial concentration of AB.

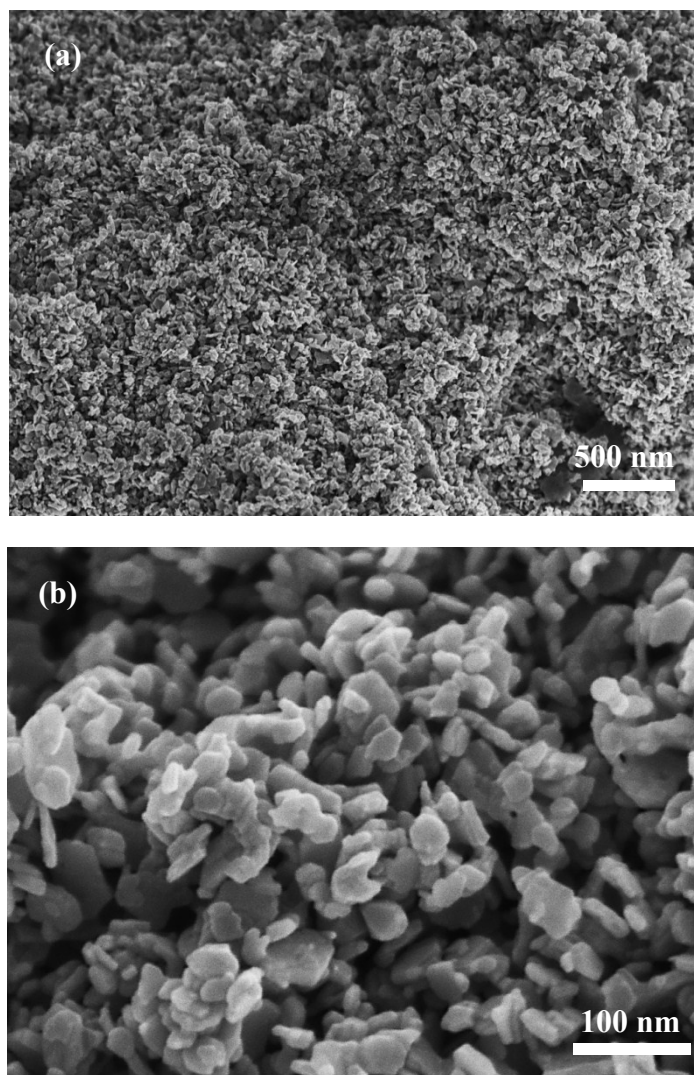


Figure S3. SEM images of NiCo_2O_4 nanoparticles at different magnifications.

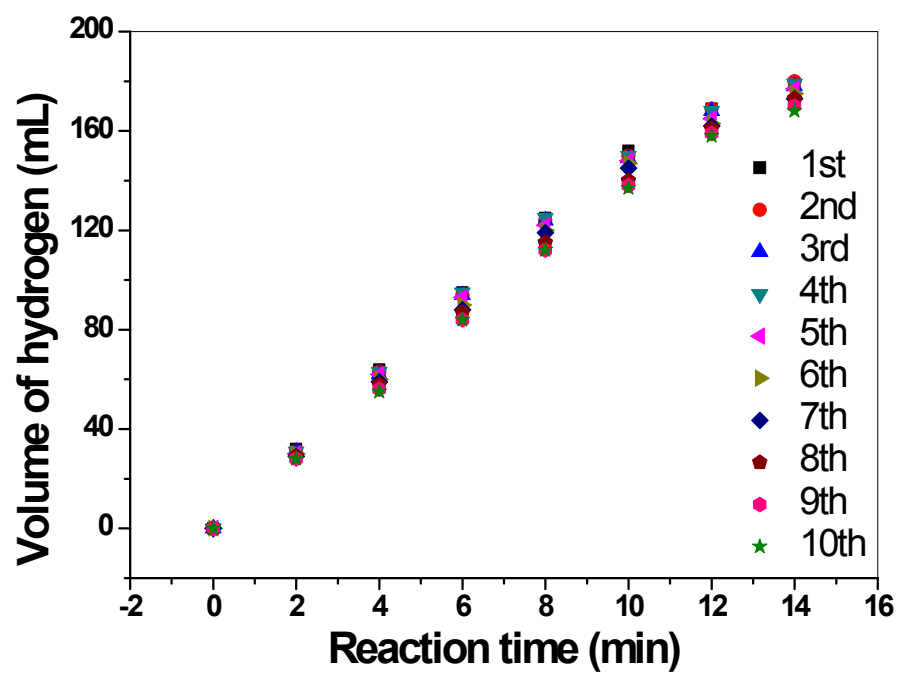


Figure S4. The accumulated volume of generated hydrogen vs. reaction time at different cycles

Peeling test

The peeling test was performed on a WD-D3 Electronic Tensile Testing Machine, which was purchased from Shenzhen Hengzecheng Apparatus Co. Ltd., China. In a typical testing process, the film was fixed on the stainless steel plate, and a scotch tape was bonded with the film. Then, the scotch tape migrates at a rate of 20 mm min^{-1} in order to detach the NiCo_2O_4 layer from Ti substrate. After test, it was found that no NiCo_2O_4 peel off from the Ti substrate.

