

Electronic Supplementary Information

Terephthalate-based cobalt hydroxide: a new electrode material for supercapacitors with ultrahigh capacitance

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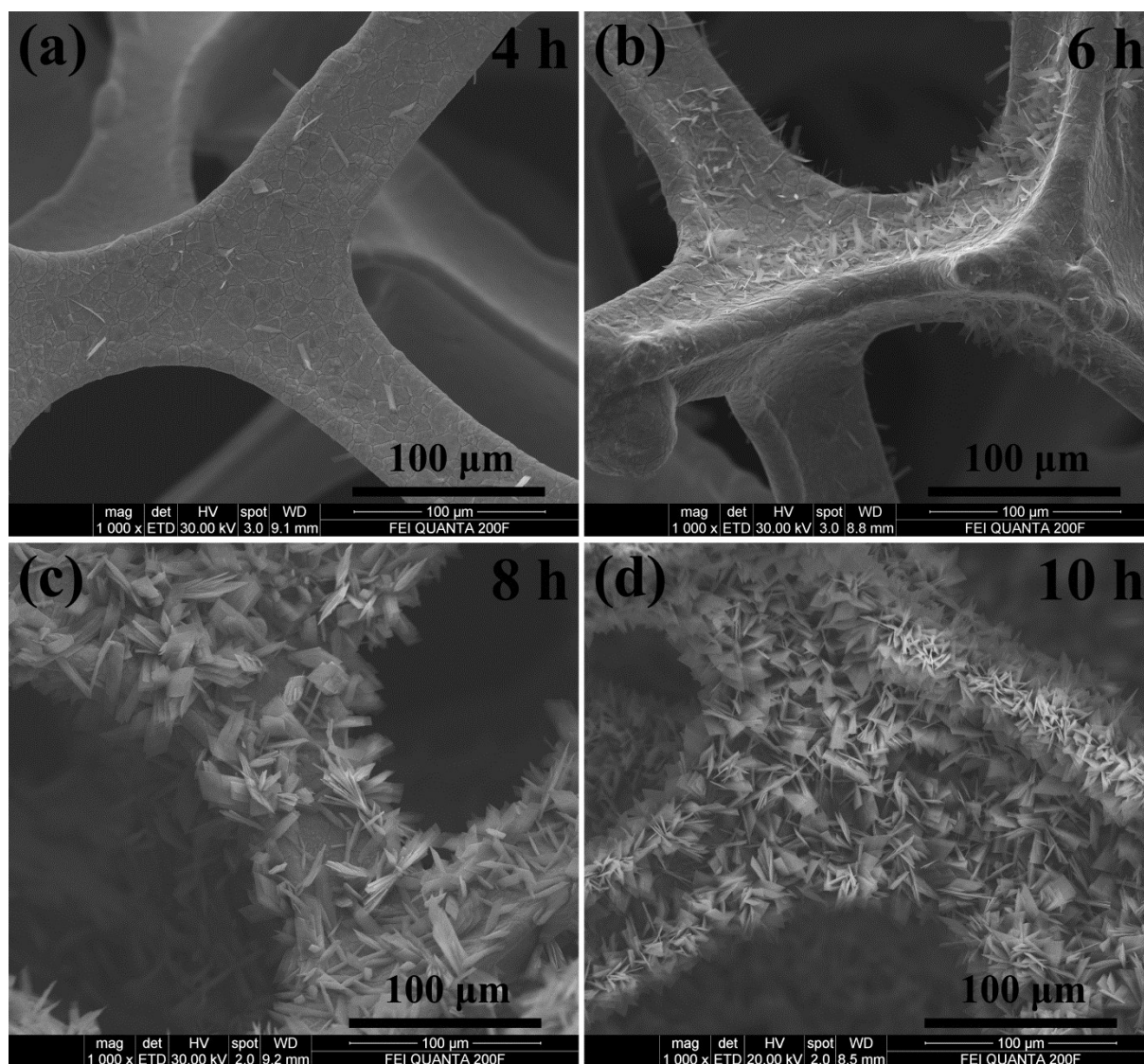


Fig. S1 SEM images of the morphology evolution for $\text{Co}_2(\text{OH})_2(\text{Tp})$ samples grown on Ni foam at different reaction time: (a) 4 h, (b) 6 h, (c) 8 h, and (d) 12 h.

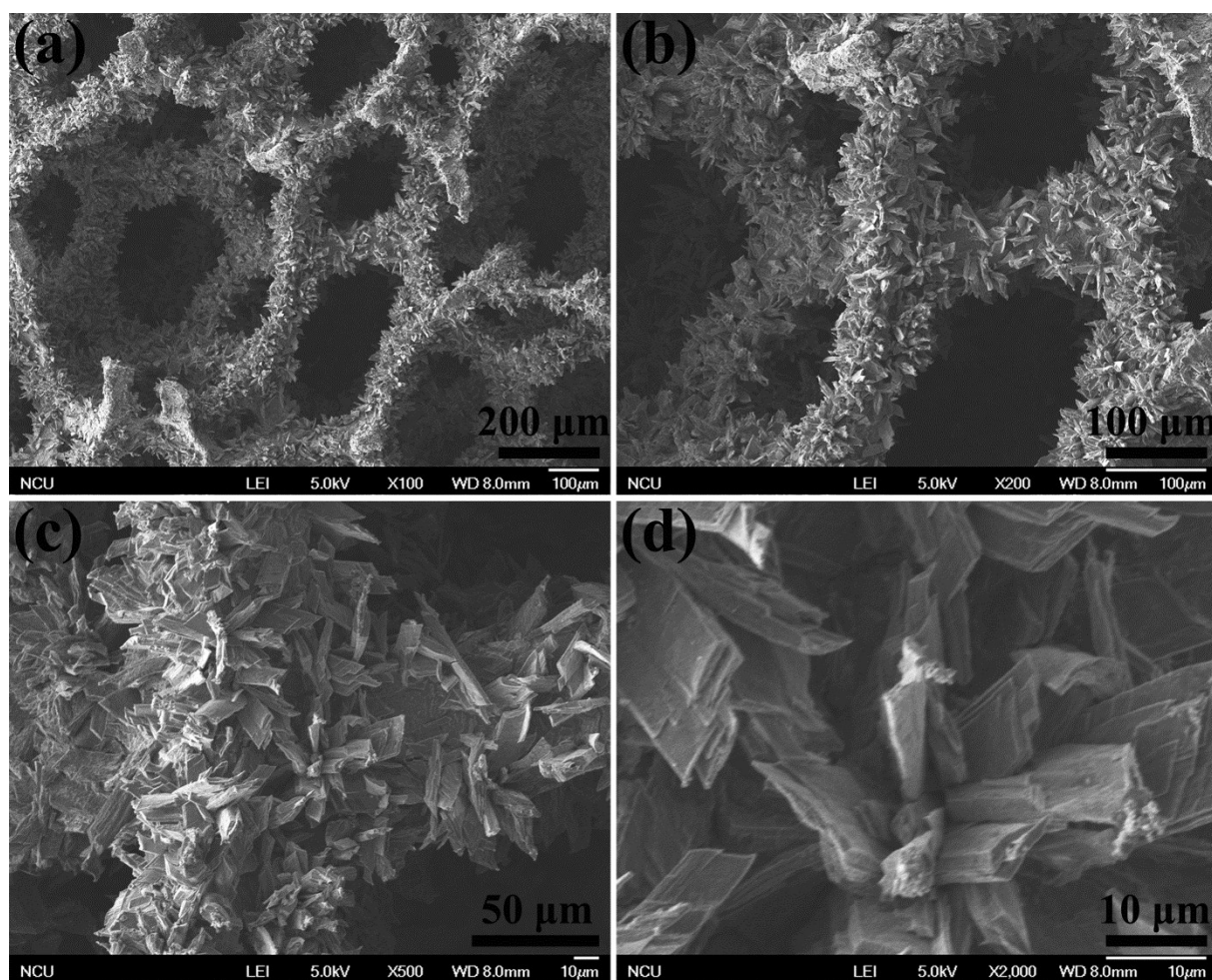


Fig. S2 SEM images of the $\text{Co}_2(\text{OH})_2(\text{Tp})$ electrode after 5000 GCD cycles.

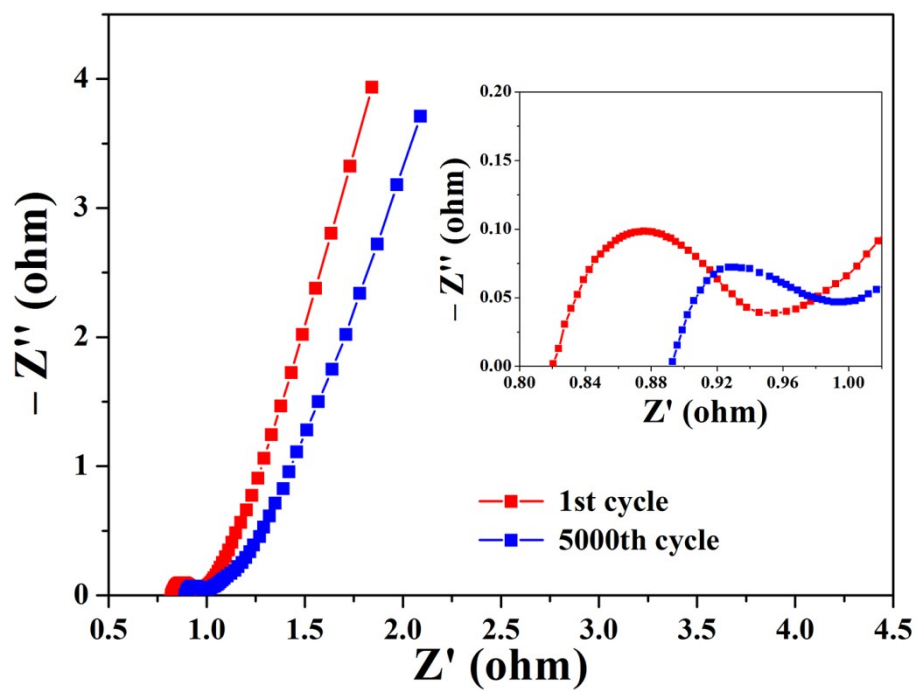


Fig. S3 Nyquist plots of the first and the 5000th cycles for the $\text{Co}_2(\text{OH})_2(\text{Tp})$ electrode.

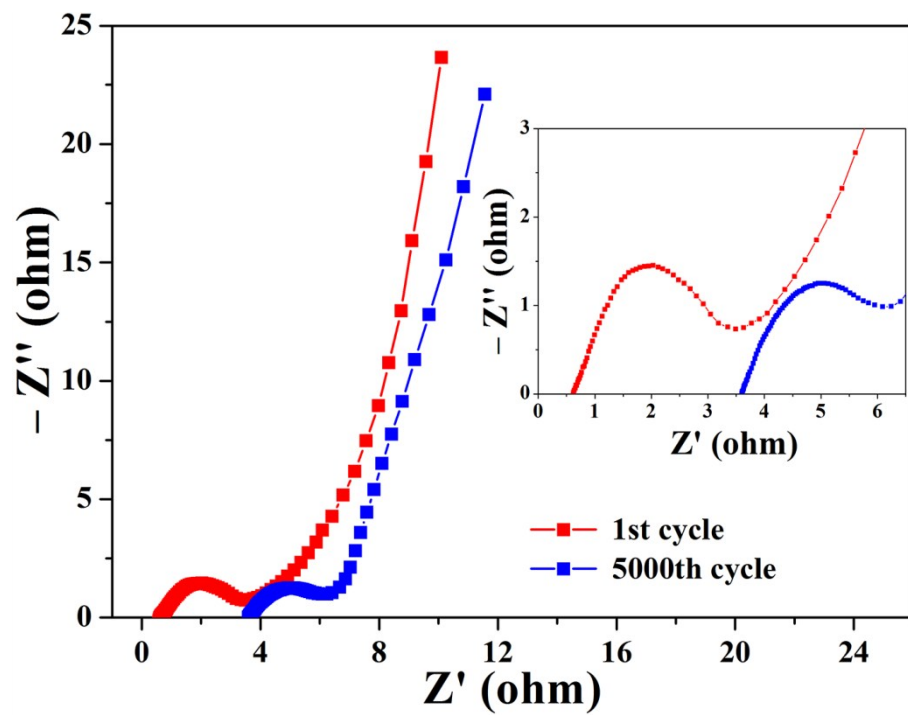


Fig. S4 Nyquist plots of the first and the 5000th cycles for the ASC device.