Supporting Information

Porous CuO Microspheres as Long-Lifespan Cathode Materials for Aqueous Zinc-Ion Batteries

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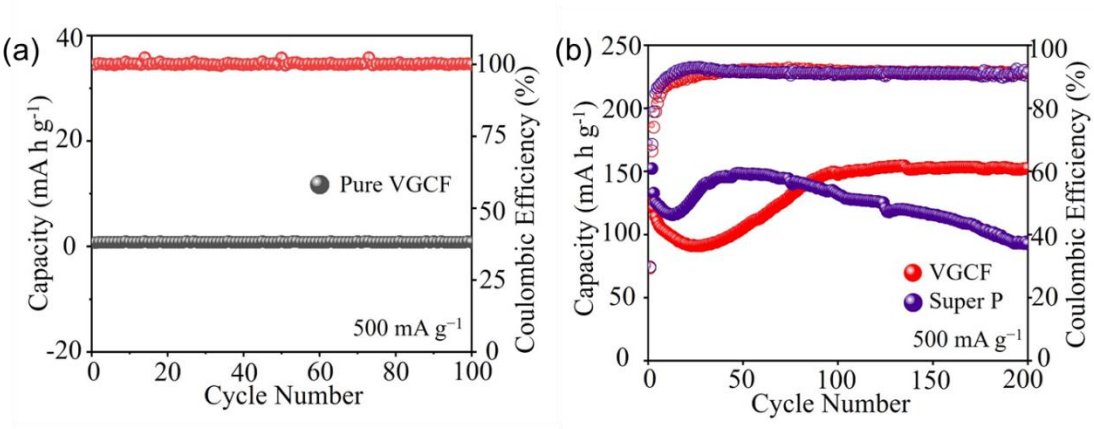

Figure S1. (a) Cycling performance of the VGCF/Zn battery. (b) Cycling performance of the CuO-4h/Zn batteries using VGCF and Super P as the conductive additives.

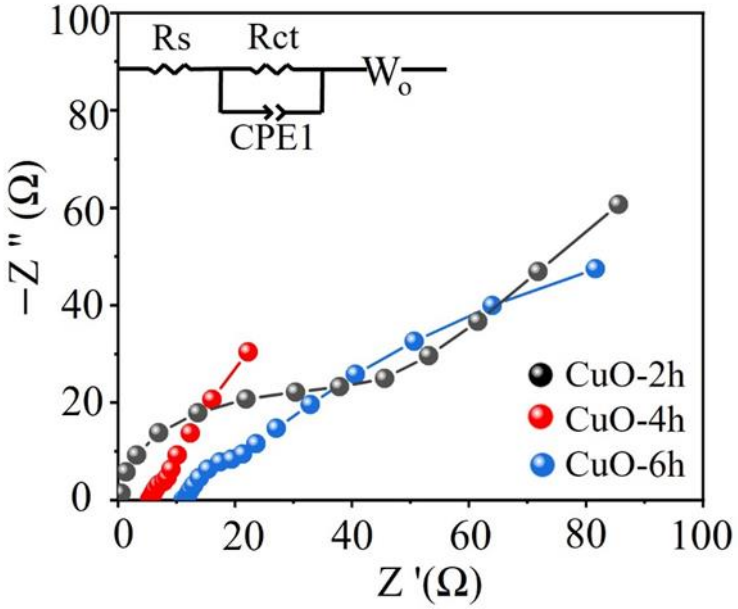

Figure S2. Nyquist plots of the CuO-2h, CuO-4h, and CuO-6h electrodes after 100 cycles.

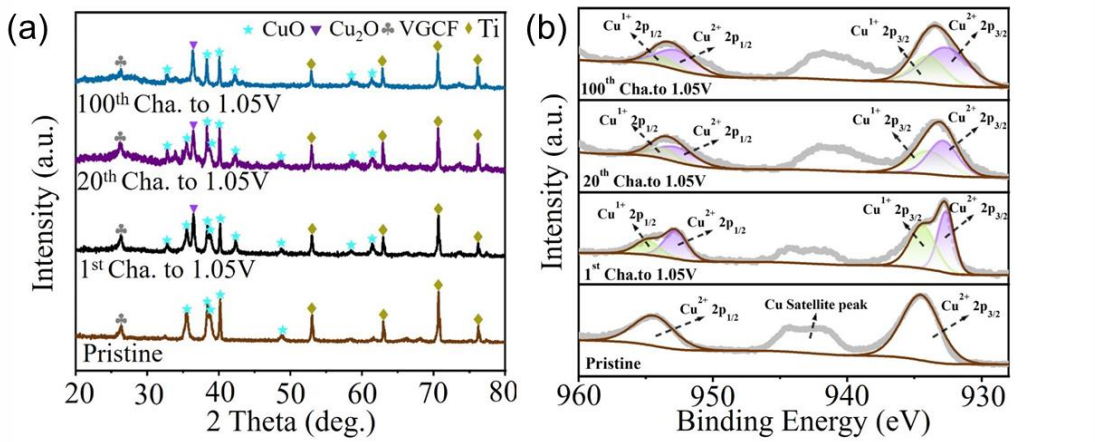

Figure S3. (a) Ex-situ XRD patterns and (b) ex-situ XPS spectra of the CuO-4h electrodes after different cycles (pristine, 1 cycle, 20 cycles and 100 cycles).