materials

Copper-Doped Cobalt Spinel Electrocatalysts Supported on Activated Carbon for Hydrogen Evolution Reaction

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Supporting information

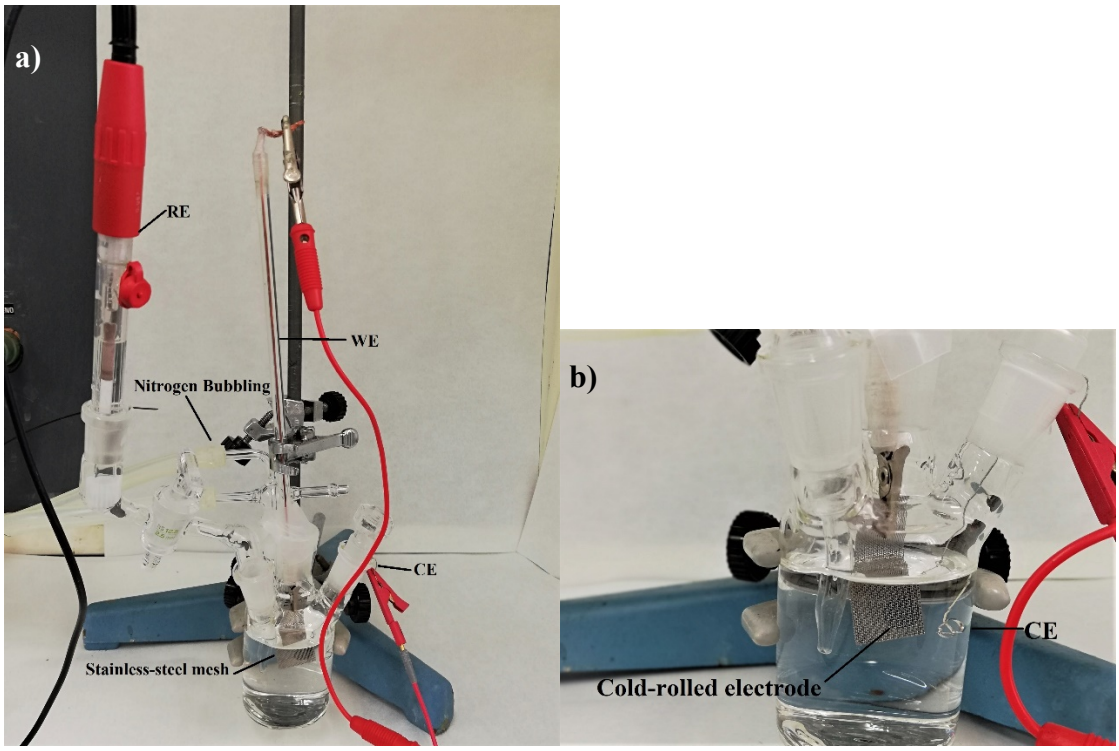
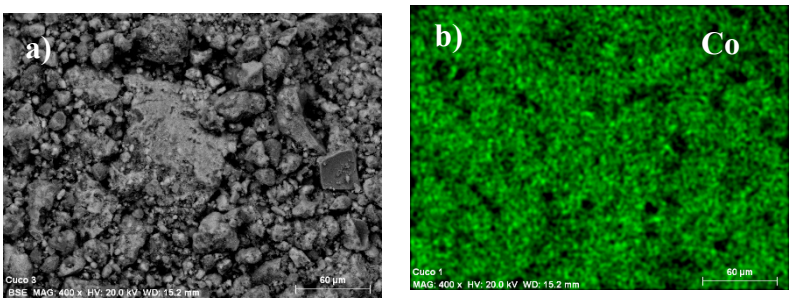


Figure S1. Configuration of a three-electrode cell.



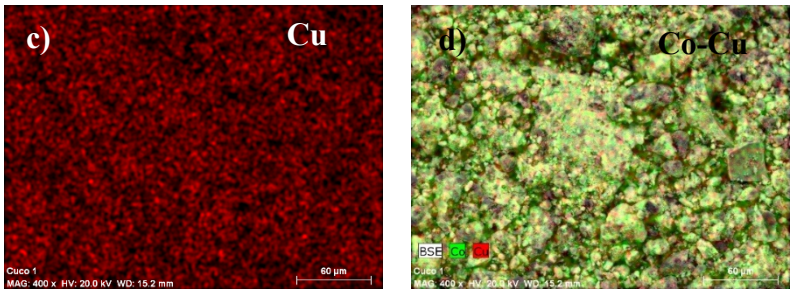


Figure S2. SEM-EDS elemental mapping of Co, Cu, and overlapped Co-Cu.

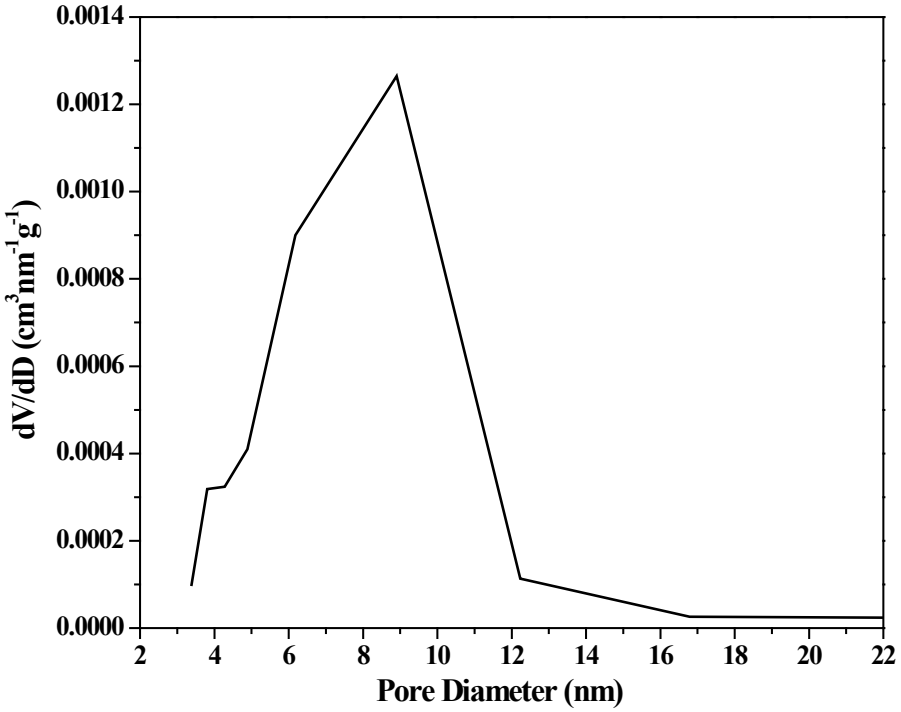


Figure S3. BJH pore-size distribution of the silica template calculated using the desorption branch of the N_2 isotherm at −196ºC.

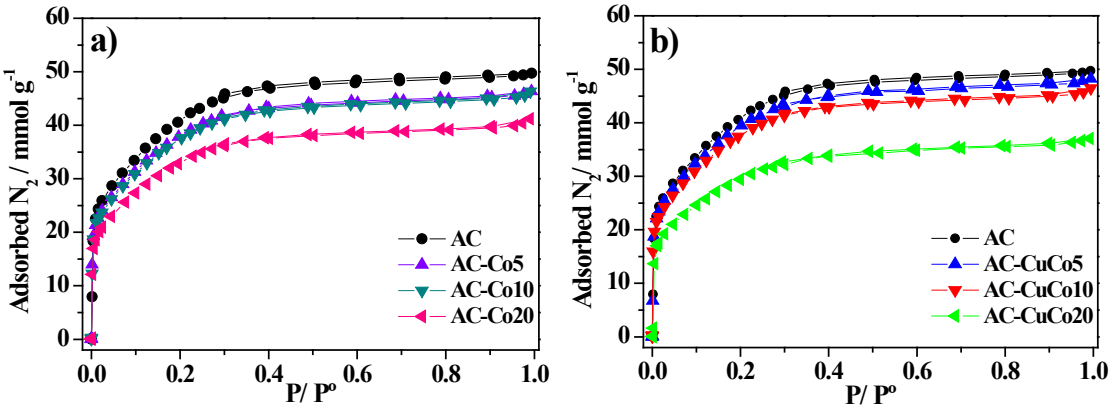


Figure S4. Nitrogen adsorption isotherms at −196 °C for all the hybrid materials: (**a**) AC-Co*x* and (**b**) AC-CuCo*x* ($0 \le x \le 20$ wt.%).

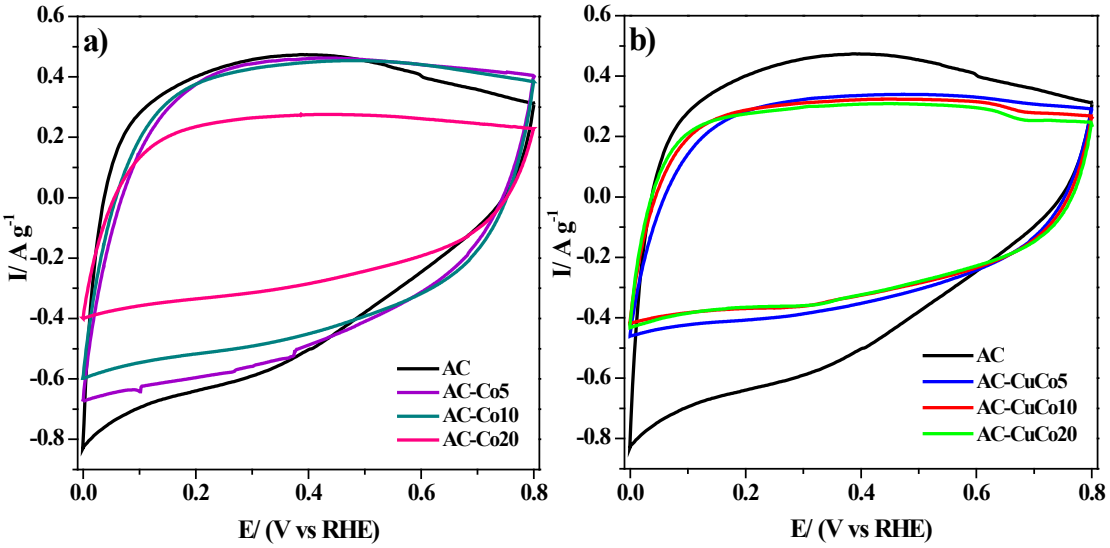


Figure S5. Cyclic voltammograms recorded in 0.1 M KOH for all the hybrid materials within the pseudocapacitive potential region: (**a**) undoped AC-Cox samples and (**b**) copper-doped AC-CuCox samples. Scan rate: 2 mV s^{-1}.