

Supporting Information

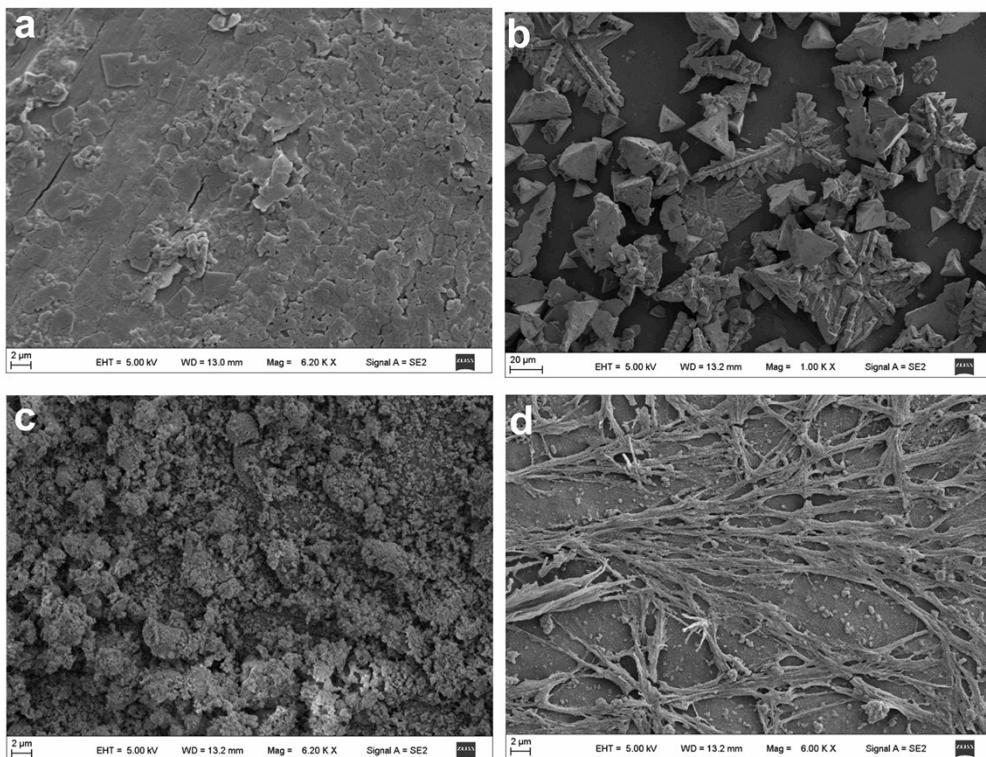


Fig S1. SEM images of CuCl_2 (a), CuCl (b), $\text{Cu}_2(\text{OH})_3\text{Cl}$ (c) and $\text{Cu}(\text{OH})_2$ (d) provided in the chemical transformation process of as-prepared CuO nanorods preparation.

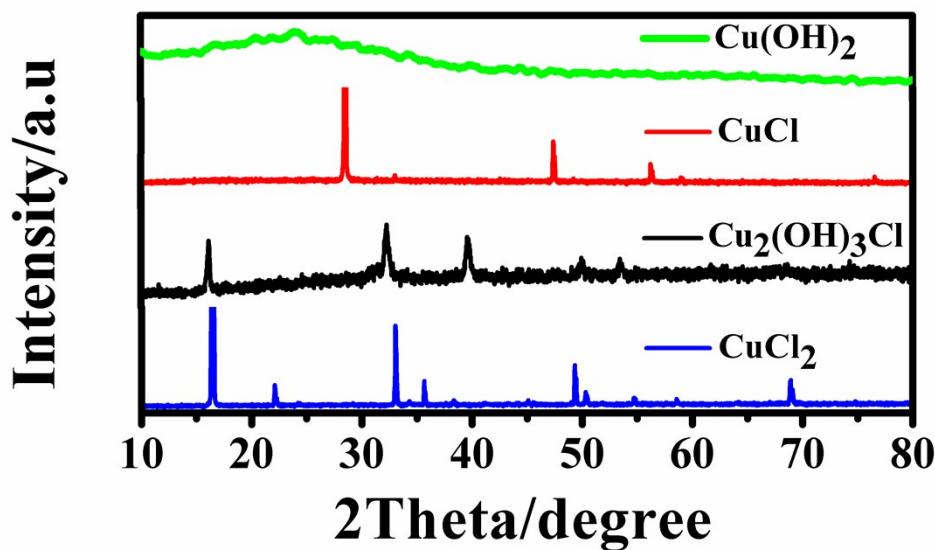


Fig S2. XRD patterns of CuCl_2 , CuCl , $\text{Cu}_2(\text{OH})_3\text{Cl}$ and $\text{Cu}(\text{OH})_2$ provided in the chemical transformation process of as-prepared CuO nanorods preparation.