Supporting Information

Highly Stable Copper Oxide Composite as an Effective Photocathode for Water Splitting via a Facile Electrochemical Synthesis Strategy

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Fig. S1. The typical electrochemical curves of (a) electrodeposition of Cu at different potentials and (b) anodization of Cu-0.8 at different current density.
Fig. S2. EDS spectra of (a) Cu-1.0; and (b) Cu-1.0/Cu$_2$O/Cu(OH)$_2$

Fig. S3. SEM cross-sectional view of Cu-1.0/Cu$_2$O/Cu(OH)$_2$ samples.