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Fig. S2 XPS spectra of Cu 2p before photocorrosion stability test

Fig. S3 XRD pattern (a) XPS spectra of Ti 2p (b) of CuO/TiO₂

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Fig. S10 Schematic illustration of charge separation and transfer of the CuO/TiO₂/Pt composite photocathode in the process of PEC water splitting
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