

Supporting Information

Interfacial Engineering of Zinc Blende/Wurtzite Homojunction Photocatalyst through Hybridization with Cobalt Phosphide Co-catalyst for Enhanced Visible-Light-Driven Photocatalytic H₂ Evolution

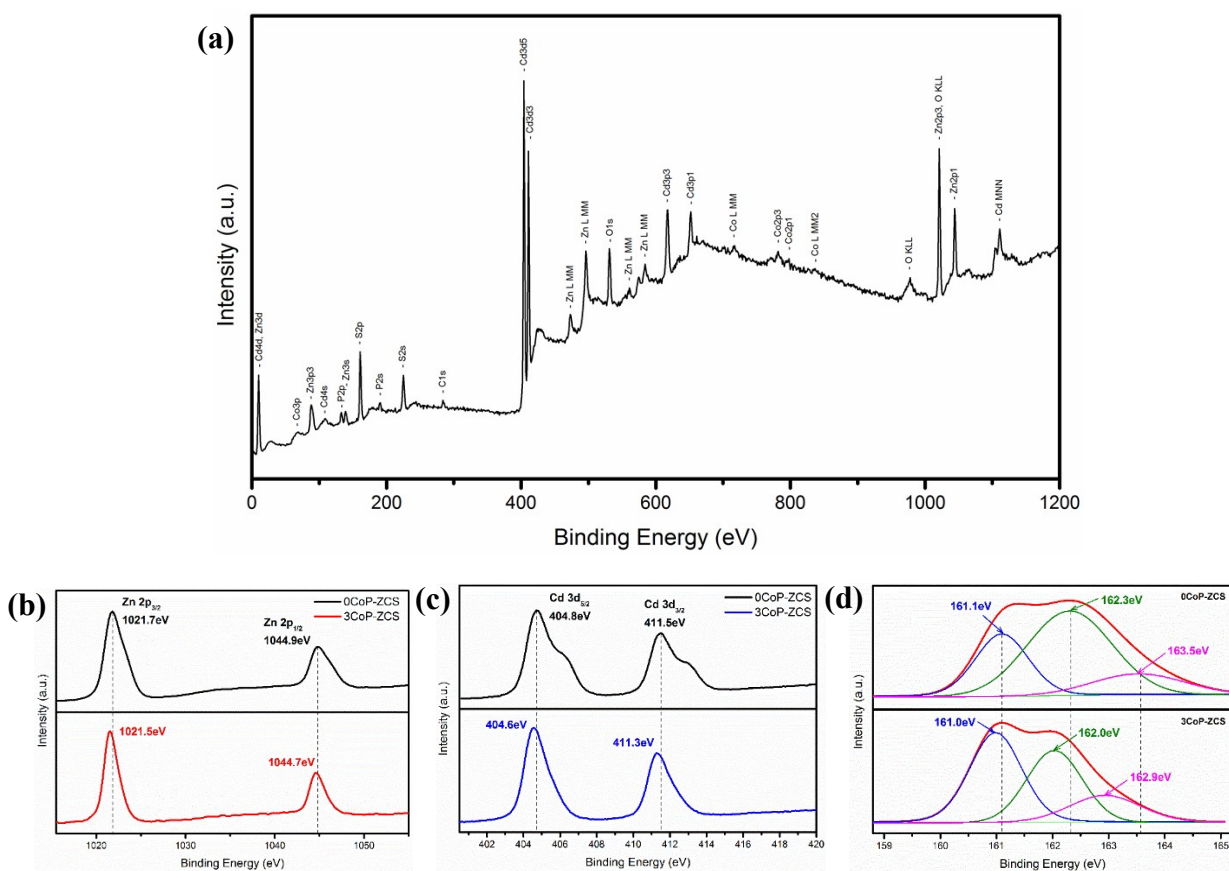


Fig. S1 (a) Full XPS spectra of 3CoP-ZCS.

High resolution XPS spectra of (b) Zn 2p (c) Cd 3d (d) S 2p of 3CoP-ZCS.

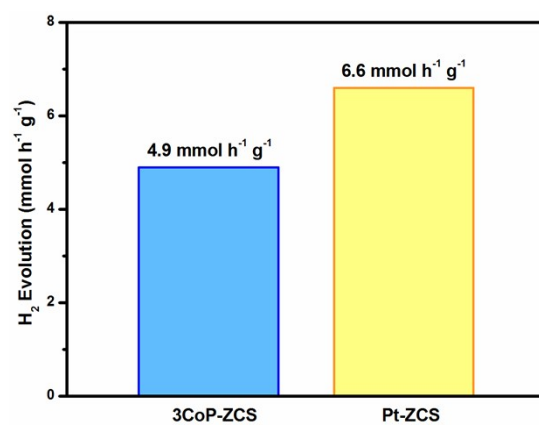


Fig. S2 Photocatalytic H₂ evolution activity comparison between 3CoP-ZCS and Pt-ZCS.

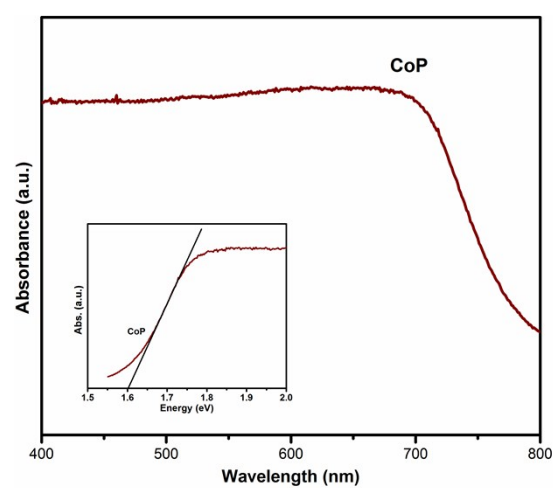


Fig. S3 UV-vis DRS spectra of CoP (Inset: Tauc plot of CoP).

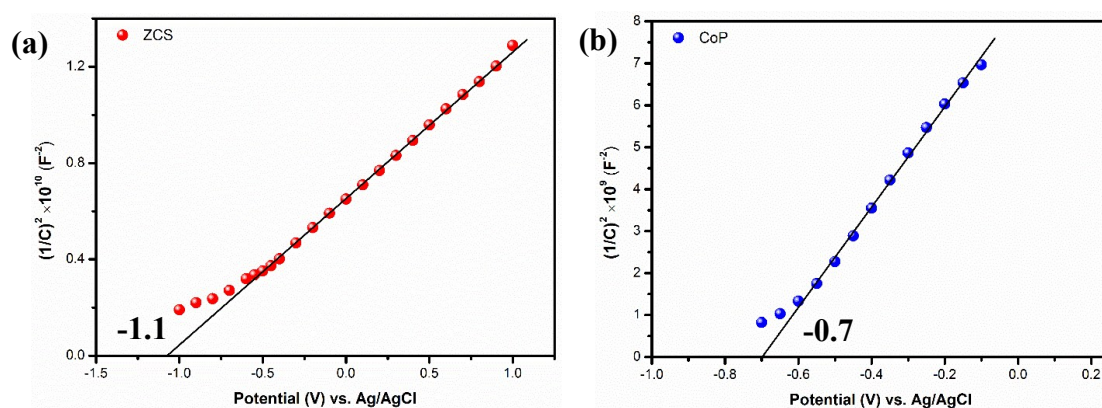


Fig. S4 Mott-Schottky plot of (a) ZCS (b) CoP.