

Supporting Information

Rational Photodeposition of Cobalt Phosphate on Flower-like ZnIn₂S₄ for Efficient Photocatalytic Hydrogen Evolution

Yonghui Wu ¹, Zhipeng Wang ¹, Yuqing Yan ¹, Yu Wei ¹, Jun Wang ¹, Yunsheng Shen ¹, Kai Yang ¹, Bo Weng ² and Kangqiang Lu ^{1,*}

¹ Jiangxi Provincial Key Laboratory of Functional Molecular Materials Chemistry, School of Chemistry and Chemical Engineering, Jiangxi University of Science and Technology, Ganzhou 341000, China; 13207070350@163.com (Y.W.); chemcatalyst@yeah.net (Z.W.); 18797912889@163.com (Y.Y.); 18225906201@163.com (Y.W.); wj15270473375@126.com (J.W.); shenyunsheng1@163.com (Y.S.); yangkai@jxust.edu.cn (K.Y.)

² cMACS, Department of Microbial and Molecular Systems, KU Leuven, 3001 Leuven, Belgium; bo.weng@kuleuven.be

* Correspondence: kqlu@jxust.edu.cn



Figure S1. Schematic representation of the samples for ZnIn₂S₄ **(a)** and ZnIn₂S₄-5%Co-Pi **(b)**

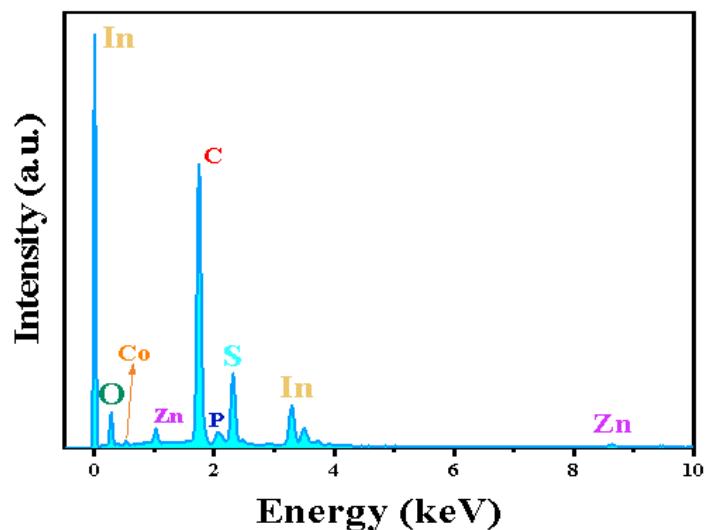


Figure S2. EDS spectrum of ZnIn₂S₄-5%Co-Pi

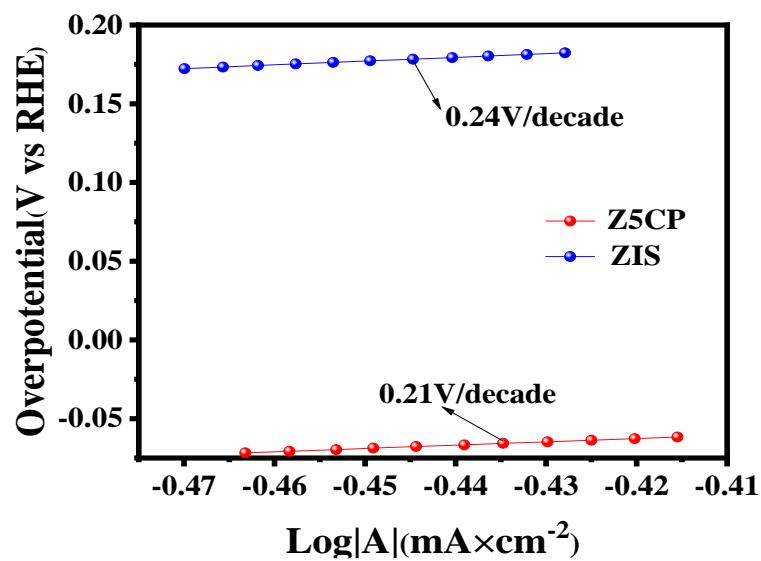


Figure S3. Tafel slope plots for ZnIn_2S_4 and $\text{ZnIn}_2\text{S}_4\text{-}5\%\text{Co-Pi}$

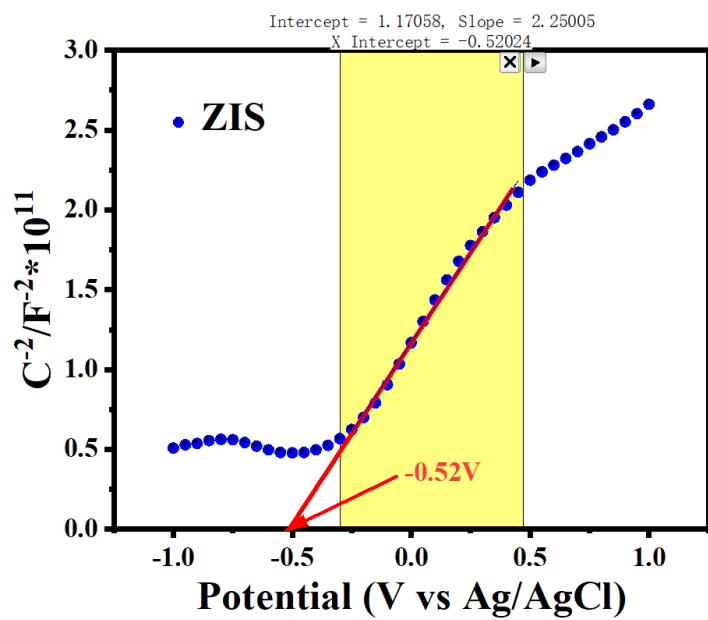


Figure S4. Mott-Schottky plots for ZnIn_2S_4 .