Electronic Supplementary Material (ESI) for RSC Advances.

Supporting Information

Construction of ZnO/Cu_2SnS_3 nanorod arrays film for enhanced photoelectrochemical and photocatalytic activity

Yuxiao Guo, Xingtian Yin*, Yawei Yang and Wenxiu Que*

Electronic Materials Research Laboratory, International Center for Dielectric Research, Key Laboratory of the Ministry of Education, School of Electronic & Information Engineering, Xi'an Jiaotong University, Xi'an, Shaanxi 710049, P.R. China

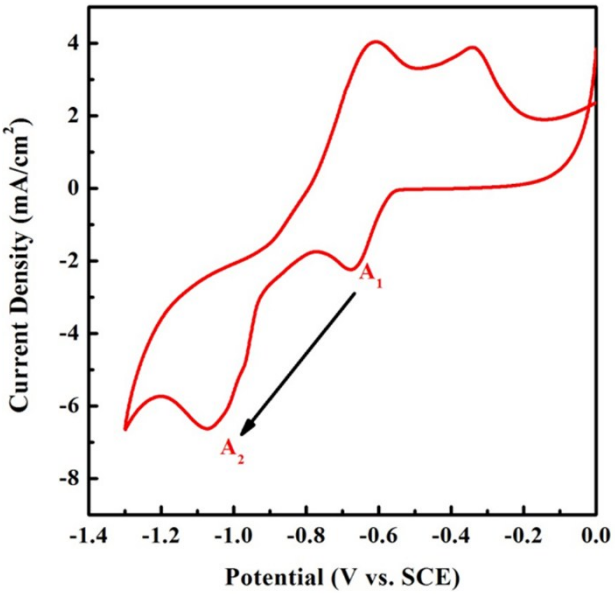

Fig. S1 Cyclic voltammetry curve of the Cu_2SnS_3 deposition in aqueous solution.

Fig. S2 Digital photos of the ZnO/Cu_2SnS_3 nanorod arrays films with different deposition time of 0 s, 60 s, 90 s and 120 s.

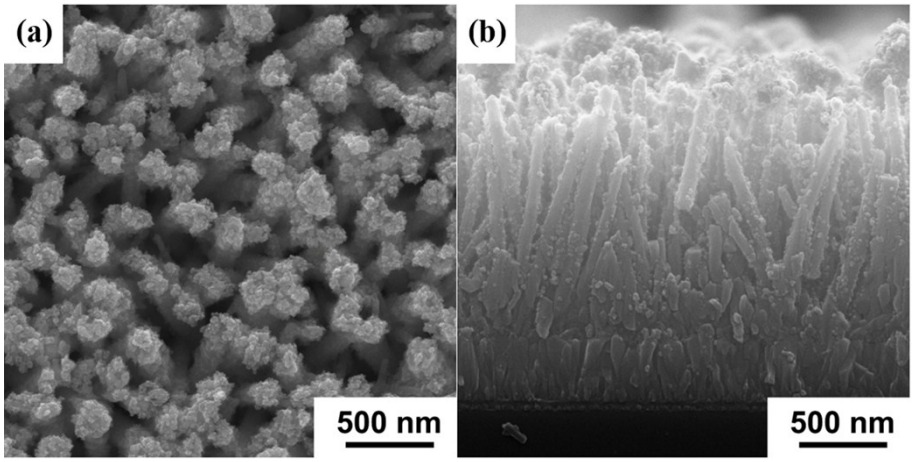

Fig. S3 FESEM images of the ZnO/Cu_2SnS_3 nanorod arrays film with deposition time of 90 s after 1 round photo illumination.

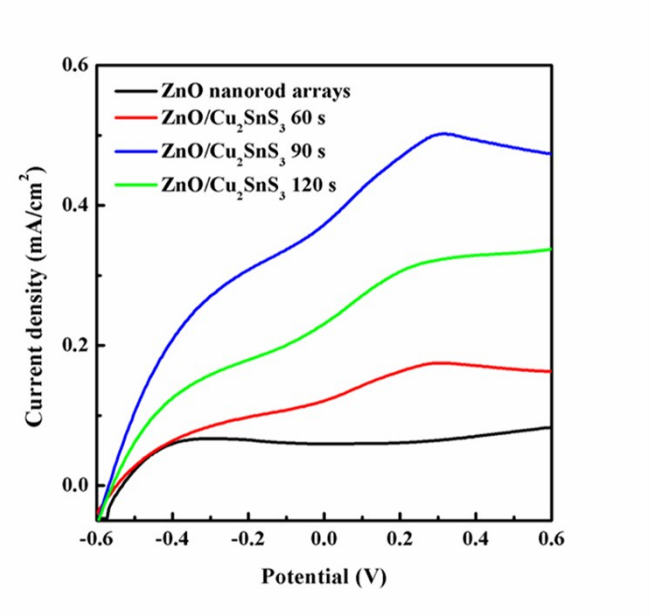

Fig. S4 Linear scanning voltammetry curves of the ZnO/Cu_2SnS_3 nanorod arrays films with different deposition time. (~300 mW/cm^2).