

Electronic Supplementary Information

Three-Dimensional ZnO Nanodendrite/Nanoparticle Composite Solar Cells

Chun-Te Wu, Wen-Pin Liao and Jih-Jen Wu*

Department of Chemical Engineering, National Cheng Kung University, Tainan 701,

Taiwan

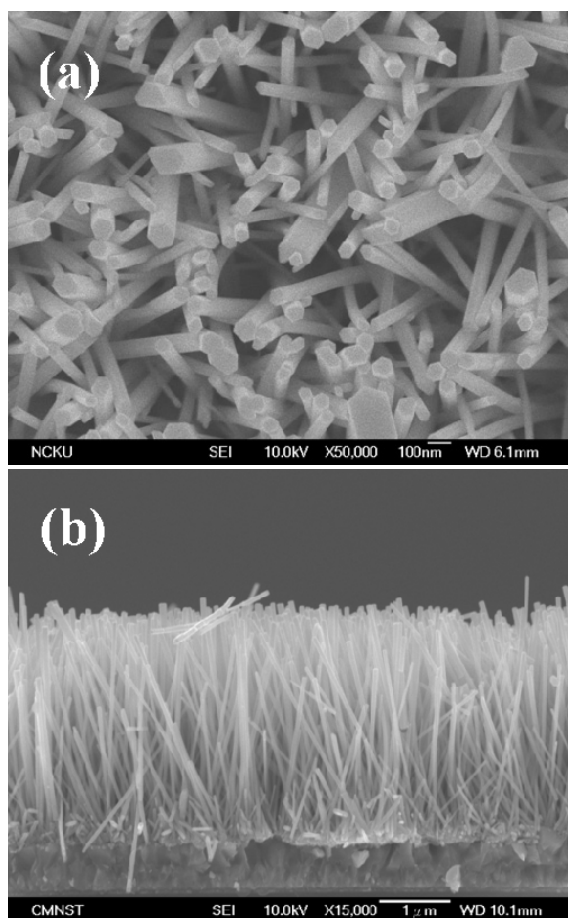


Figure S1 (a) Top-view and (b) cross-sectional SEM images of the ZnO NW array on FTO substrate.

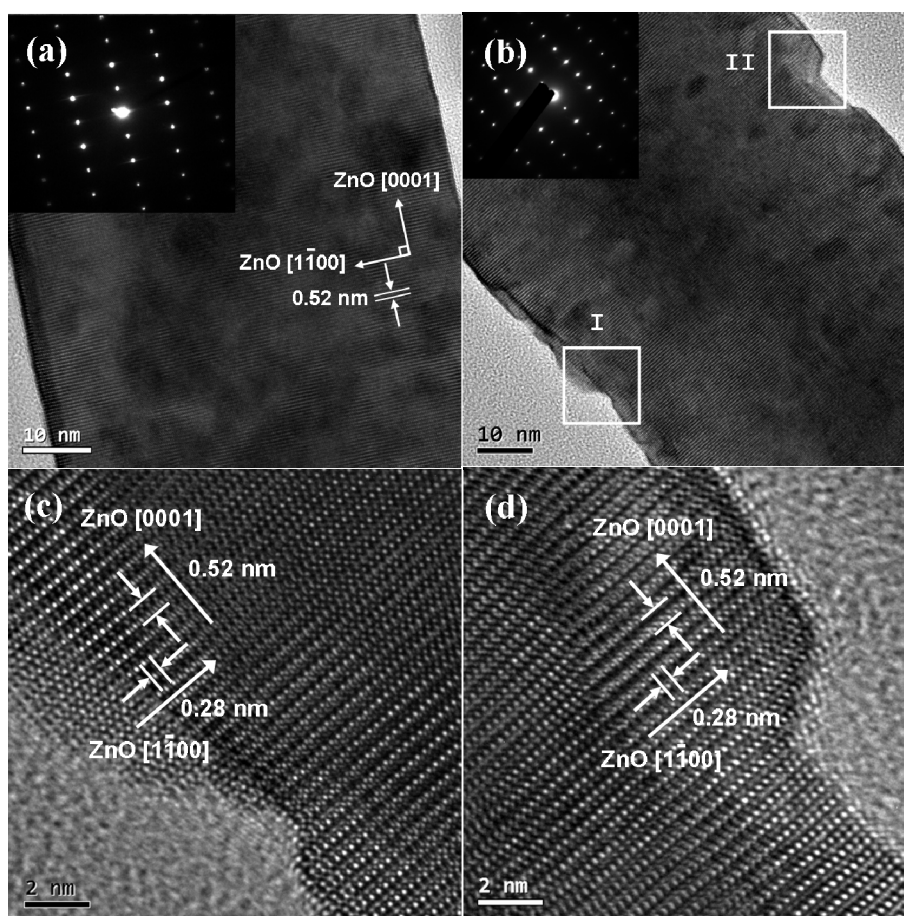


Figure S2 (a) HRTEM image and the corresponding SAED of the as-prepared ZnO NW. (b) HRTEM image and the corresponding SAED of the ZnO NW after immersed in the limpid solution of 0.057 M ZnAc \cdot 2H $_2$ O and 0.5 M NaOH at room temperature for 2 min. (c) and (d) HRTEM images of regions (I) and (II) in (b), respectively.

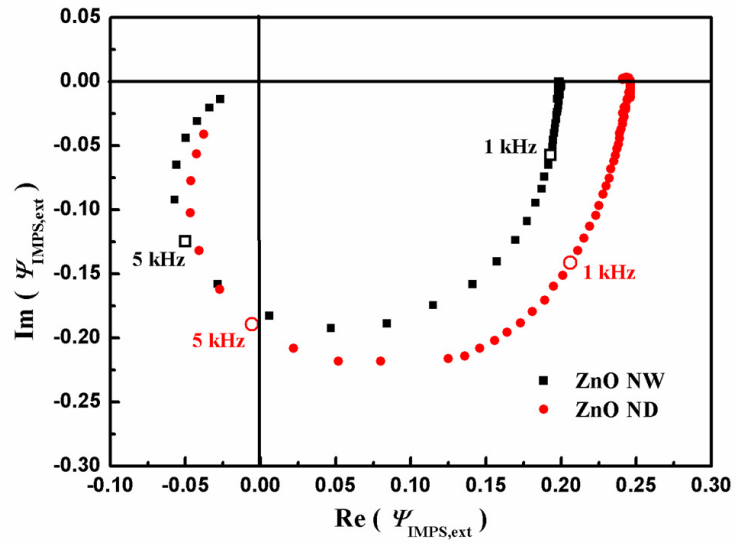


Figure S3 IMPS responses of the ZnO NW and ZnO ND DSSCs. The spectra were taken under an illumination of 530 nm and 90 mWcm^{-2}