

Supporting information

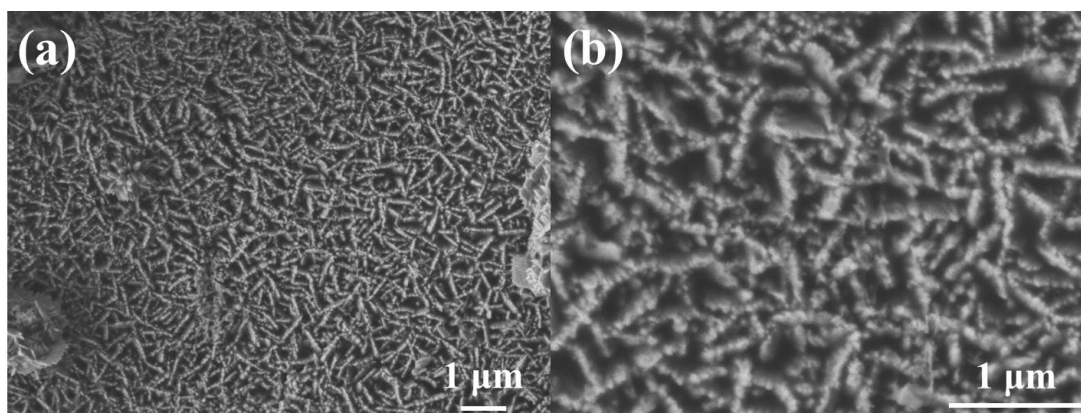


Fig. S1 SEM images of ZnO NR arrays on zinc foil with 10 min reaction time at 40 °C with a in-situ precipitation method.

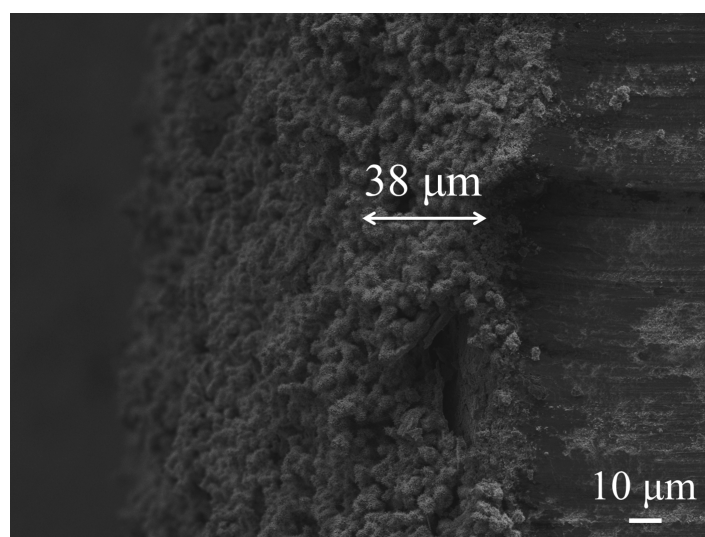


Fig. S2 Cross section SEM image of ZnO NR/NP film obtained using precipitation method at 40 °C reaction temperature.

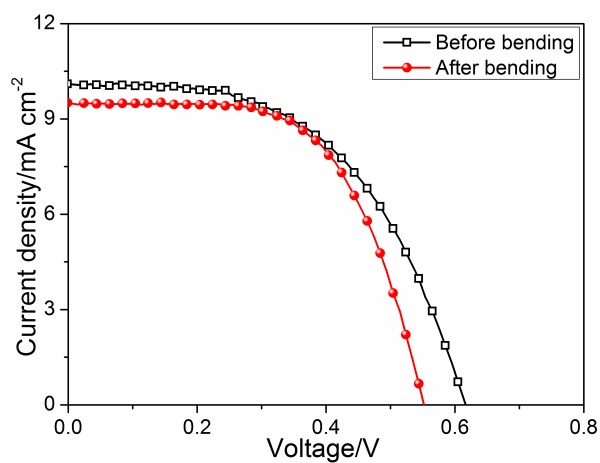


Fig. S3 I-V curves of DSSCs based on ZnO NR and NR/NP before and after bending of photoanode.