

1

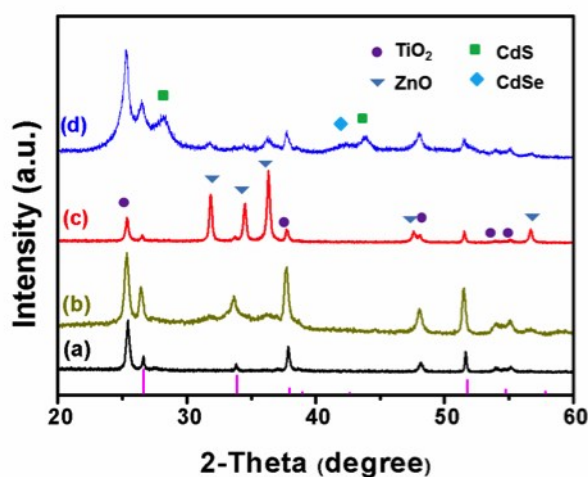
Supplementary data

2 **CdS/CdSe co-sensitized hierarchical TiO₂ nanofiber/ZnO nanosheet**
3 **heterojunction photoanode for quantum dot-sensitized solar cells**

4 Yang Cao, Yu-Jie Dong, Hong-Yan Chen*, Dai-Bin Kuang*, and Cheng-Yong Su

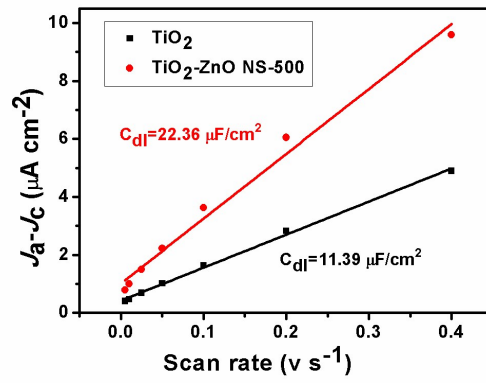
5

6



7

8 **Fig. S1** XRD patterns of bare TiO₂ fibers film (a), hierarchical TiO₂-ZnO NSs film (b),
9 hierarchical TiO₂-ZnO NSs-500 film (c) and CdS/CdSe co-sensitized hierarchical TiO₂-
10 ZnO NSs-500 film (d), the standard magenta line respects peaks of FTO substrate
11 (JCPDS card no. 41-1445).



1

2 **Fig. S2** Plots showing the extraction of the double-layer capacitances (C_{dl}) for the
 3 estimation of relative electrochemically active surface area of different photoanode
 4 films.

5

6

7

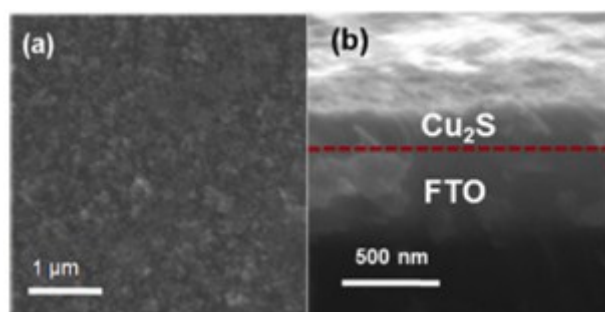
8

9

10

11

12



1

2 **Fig. S3** SEM images of the top (a) and (b) cross-section view of the as-synthesis

3 Cu₂S/FTO electrode.