

# A Simple Strategy for Improving the Energy Conversion of Multilayered CdTe Quantum Dot-Sensitized Solar Cells

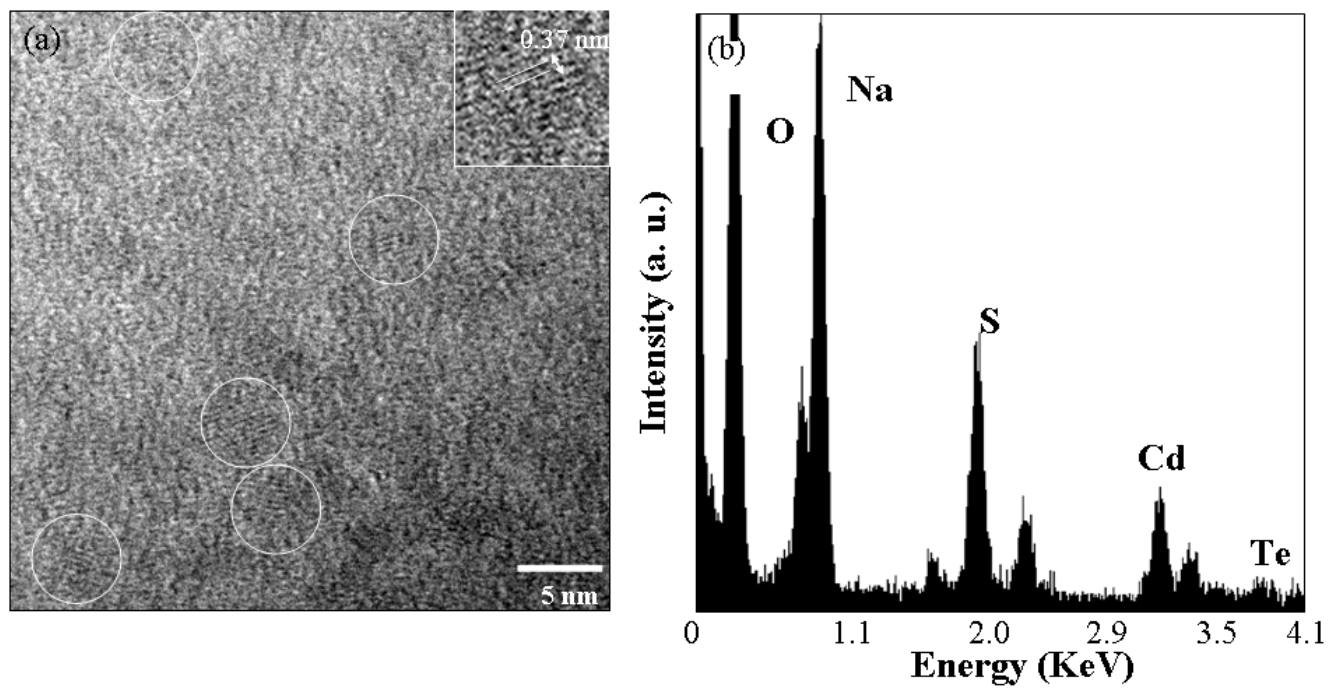
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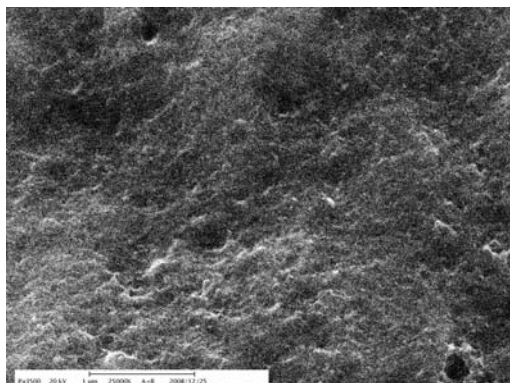
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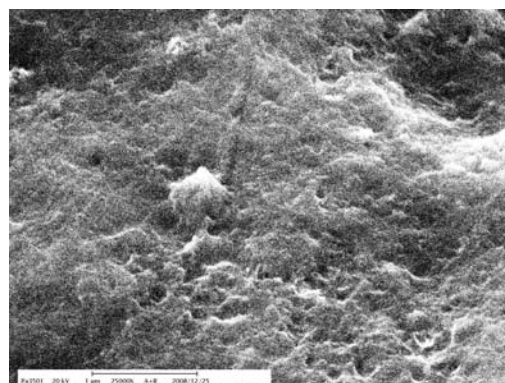


**Figure S1.** (a) HR-TEM image of the CdTe QDs and (inset) their  $d$  spacing. (b) Corresponding EDX spectrum of CdTe QDs.

(a)



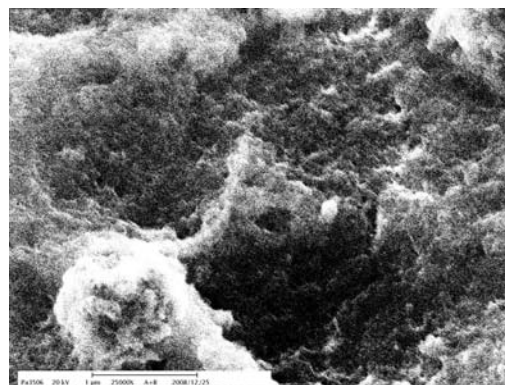
(b)



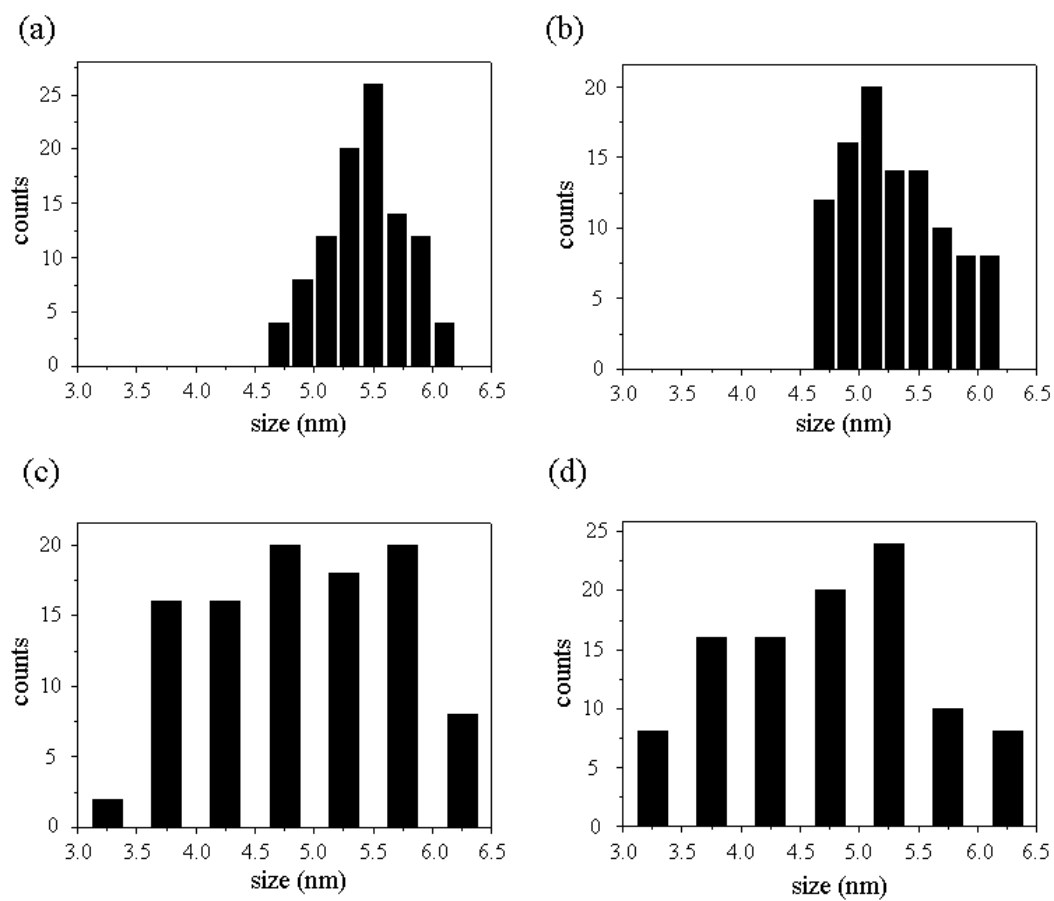
(c)



(d)



**Figure S2.** SEM images of the  $(\text{TiO}_2)_3\text{-PDDA-(QD}_{\text{CdTe}})_n\text{-FTO}$  electrodes. (a)  $n = 1$ , (b)  $n = 2$ , (c)  $n = 3$  and (d)  $n = 4$ .



**Figure S3.** Histograms show the size distribution of CdTe QDs in the  $(\text{TiO}_2)_3\text{-PDDA}-(\text{QD}_{\text{CdTe}})_n$ -FTO electrodes. (a)  $n = 1$ , (b)  $n = 2$ , (c)  $n = 3$  and (d)  $n = 4$ .