

Supporting Information

Near Infrared Absorption $\text{CdSe}_x\text{Te}_{1-x}$ Alloyed Quantum Dot Sensitized Solar Cells with Over 6% Efficiency and High Stability

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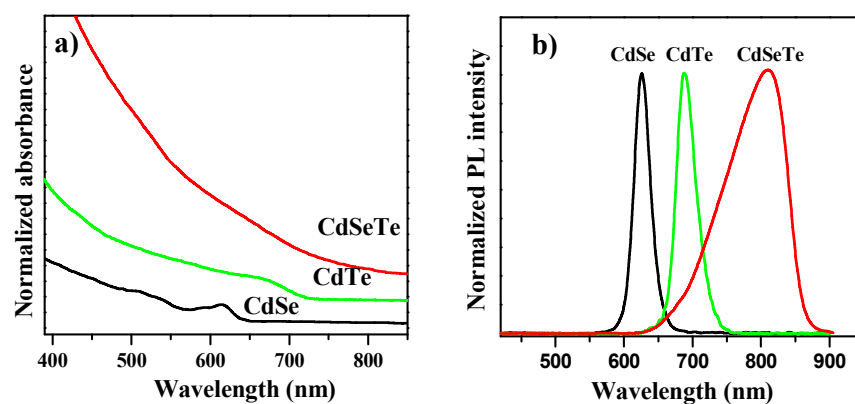


Figure S1: Normalized UV-vis absorption (a) and PL emission spectra (b) of obtained CdSe_{614} , CdTe_{680} , and CdSeTe_{800} QD dispersions in toluene.

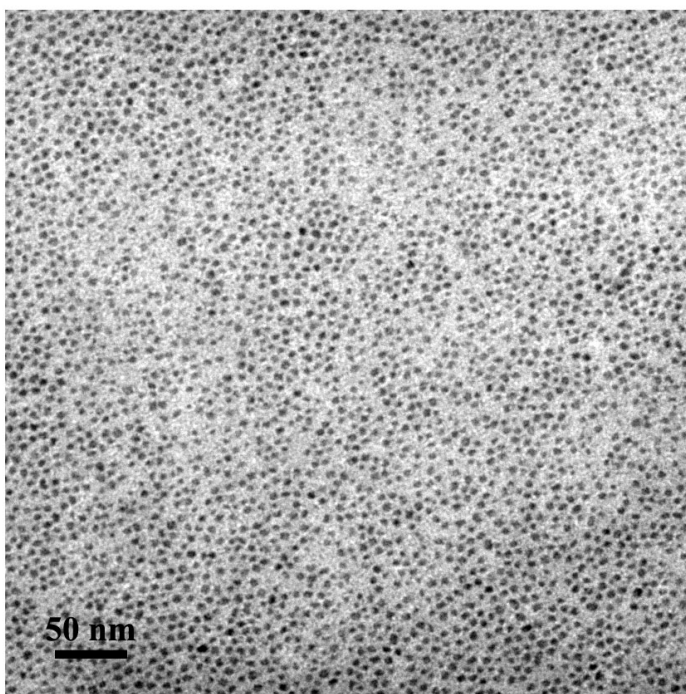


Figure S2: Wide-field TEM image of obtained CdSeTe₈₀₀ QDs.

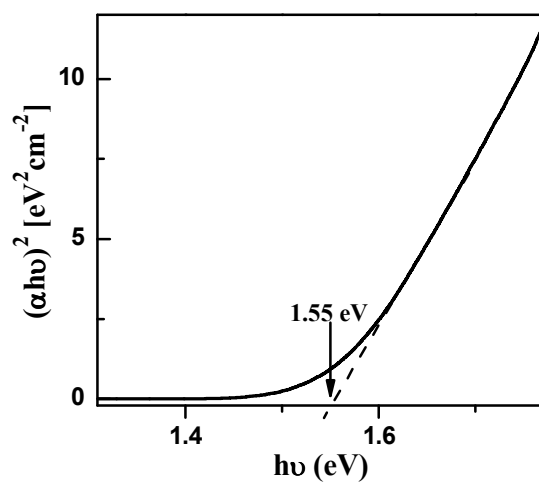


Figure S3. Plots of $(\alpha h\nu)^2$ vs photon energy ($h\nu$) for CdSeTe₈₀₀ QDs.

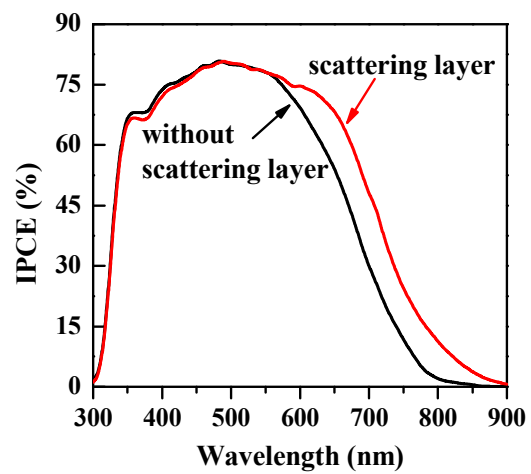


Figure S4. IPCE spectra of cells made with CdSeTe₈₀₀ sensitized TiO₂ photoanodes with (red line) and without scattering layer (black line).