

Supporting Information

**Rapid and Convenient Synthesis of Highly Luminescent Green- to Near
Infrared-Emitting CdTe Nanocrystals in Aqueous Phase**

L. Zou, Z. Gu, N. Zhang, Y. Zhang, Z. Fang, W. Zhu, and X. Zhong

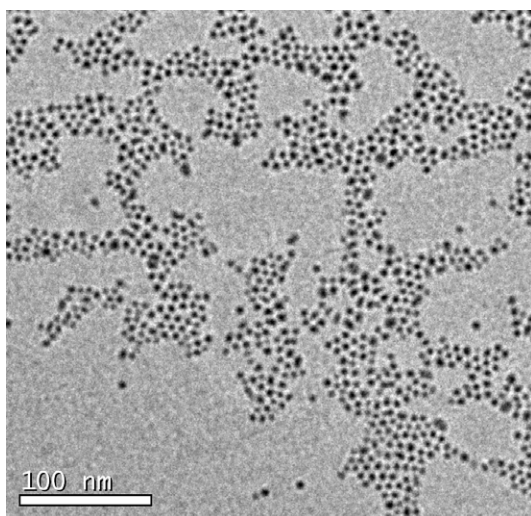


Fig. S1 TEM image of CdTe NCs with diameter 4.8 ± 0.4 nm and emission wavelength 709 nm growing at 100 °C for 30 min.

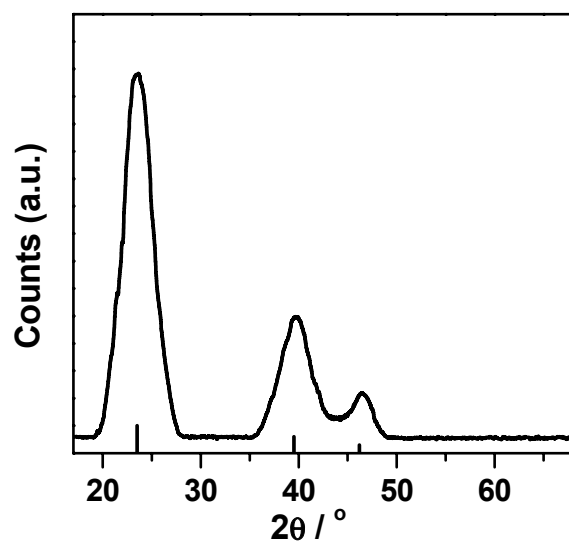


Fig. S2 p-XRD spectra of CdTe nanocrystals sample. The line spectrum (bottom) indicates the reflections of cubic bulk CdTe materials.

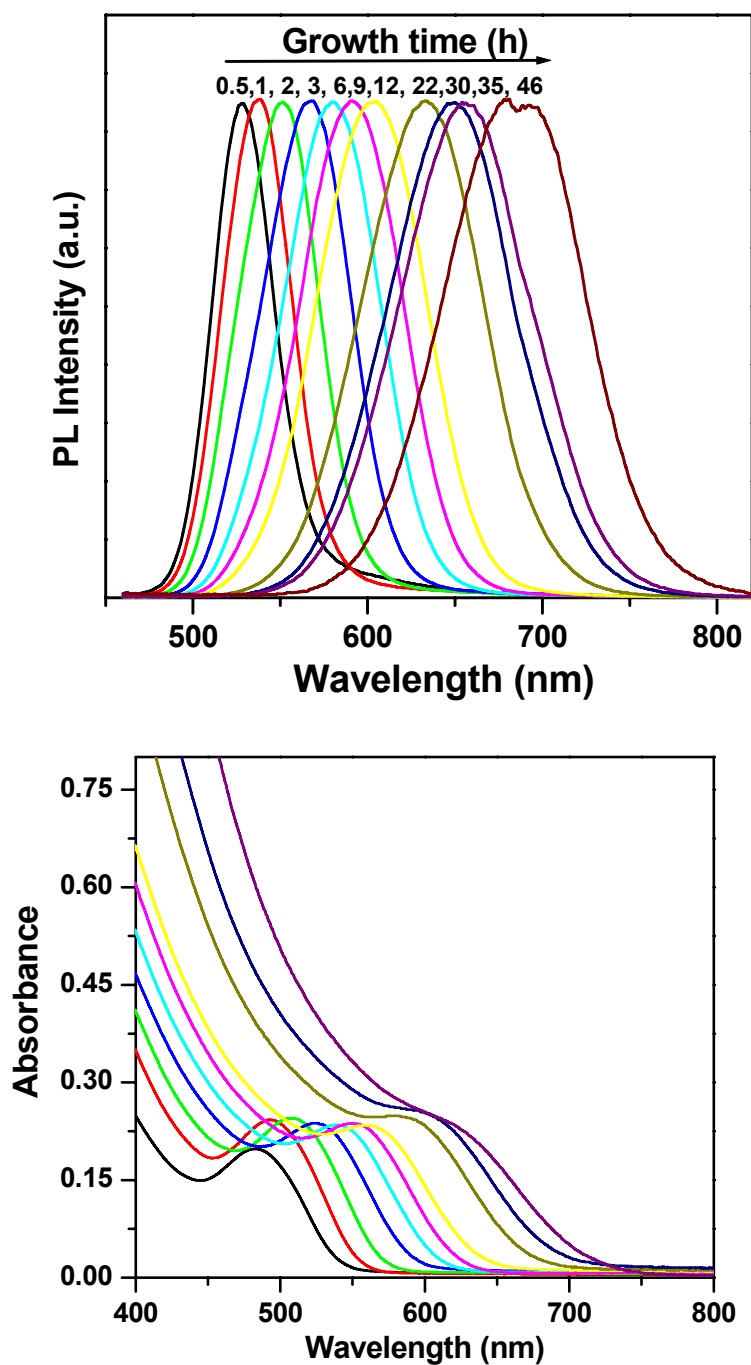


Fig. S3 Temporal evolution of normalized PL (up, $\lambda_{\text{ex}} = 400$ nm) and corresponding UV-vis spectra (bottom) of MPA capped CdTe QDs prepared under the normal literature recipe with Cd/MPA/Te molar ratios of 1:2.4:0.5, pH 9.0, and [Cd] 5.0 mM.

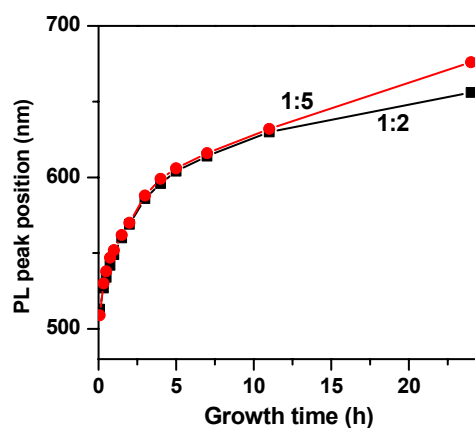


Fig. S4. Temporal evolution of PL peak of CdTe QDs growth under different Te/Cd ratios with fixation of pH 9.0.

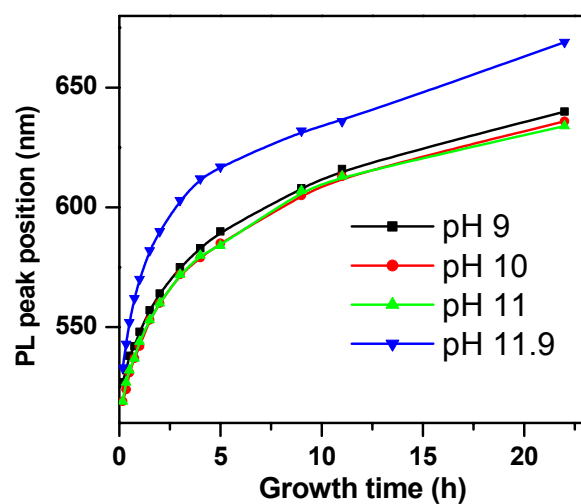


Fig. S5. Temporal evolution of PL peak of CdTe QDs growth under varied pH values with fixation of Te/Cd ratio of 1:2.