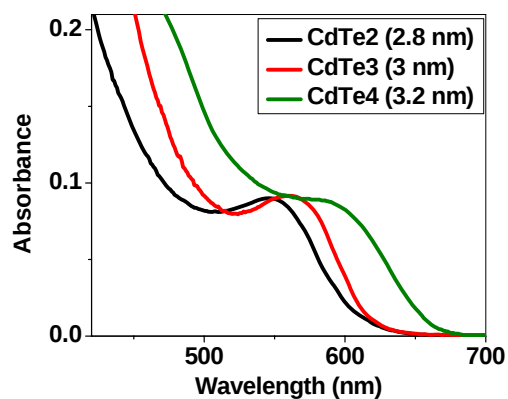


Supplementary Information:



SI Figure 1: Optical absorption spectrum of different size CdTe quantum dot particles. It is shown that the first exciton peak ($1S_e \rightarrow 1S_{3/2}$ transition) position moves towards the red region of the spectrum with increasing particle sizes. Size of the QD particles have been determined using sizing curves from. (Ref 16 Rogach, A. L.; Franzl, T.; Klar, T. A.; Feldmann, J.; Gaponik, N.; Lesnyak, V.; Shavel, A.; Eychmuller, A.; Rakovich, Y. P.; Donegan J. F. *J. Phys. Chem. C* **2007**, *111*, 14628.