

Supporting Information

Figure 1. Temporal evolution of the emission of the growing CdSe nano-crystals (as-prepared, with amine 0% (top), 4% (middle), and 10% (bottom) amine added) in Hex (left), together with the corresponding UV-vis absorption spectra (off-set, right). The growth periods are indicated.

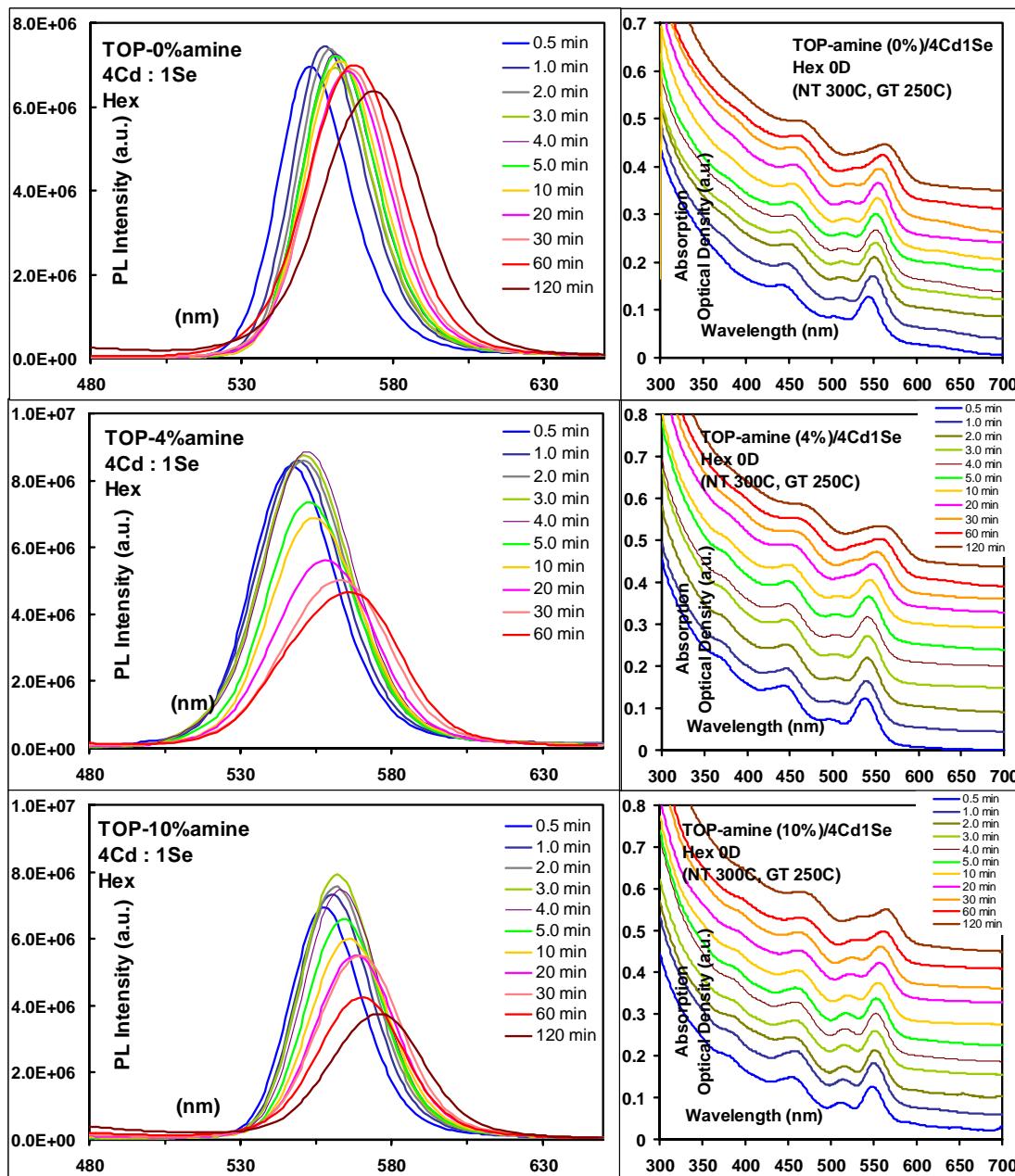


Figure 2: (top) emission spectra of one 10-minute CdSe ensemble synthesized from another batch, with the excitation wavelength of 350 nm (left) and 500 nm (right). The dark, green, purple, and red colours represent Hex, toluene, CHCl₃, and THF dispersions, respectively. The corresponding UV spectra (bottom, right) are also shown, together with the PL intensity (integration area) and PL efficiency (area/OD) calculated with 350 nm excitation. Similar trends of the solvent effects on both PL intensity and efficiency are obtained.

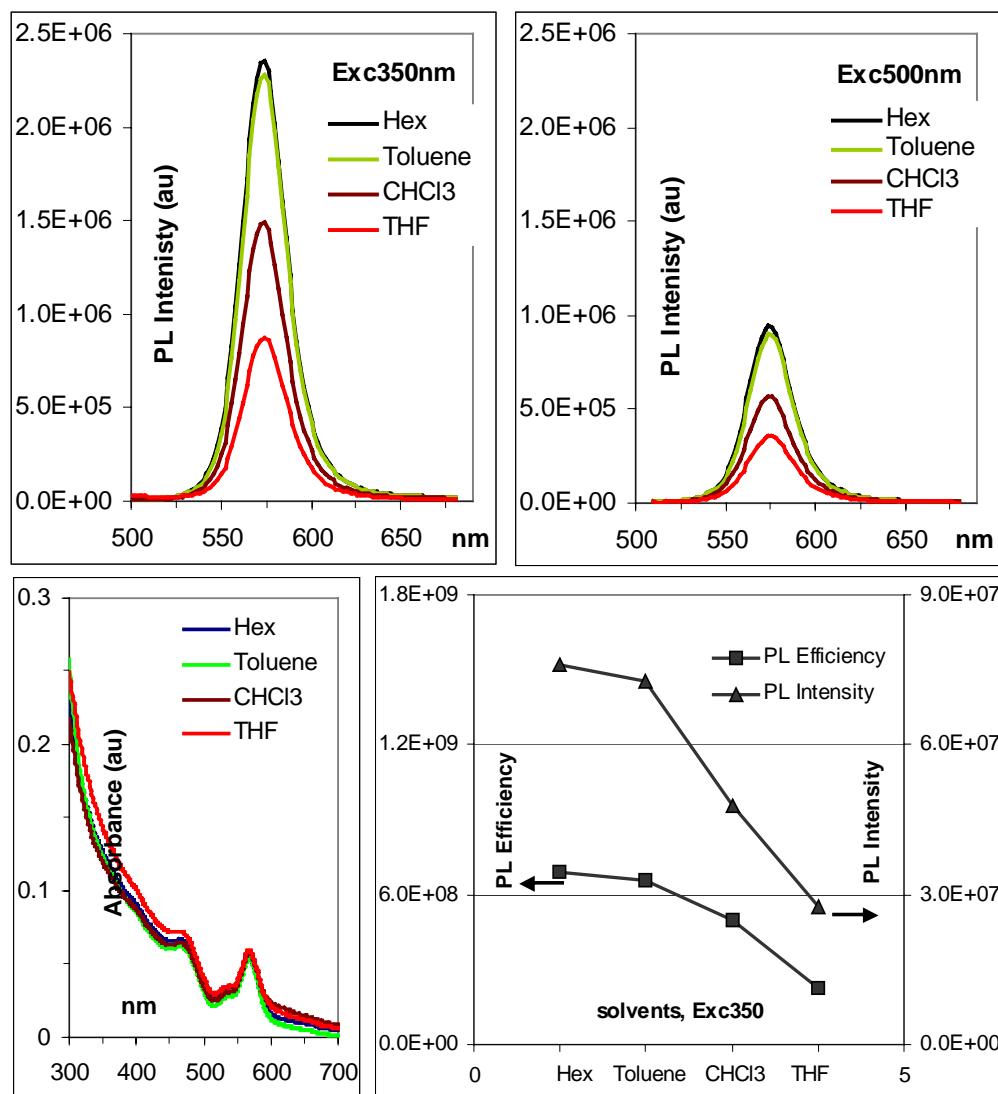


Figure 3: with 500 nm excitation for the 10-min CdSe ensemble shown in Figure 2, a similar trend of the solvent effect is also obtained on both PL intensity and efficiency, regarding Hex and THF dispersions only.

