Electronic Supplementary Information

Low-Temperature Synthesis of Tetrapod CdSe/CdS QDs through Microfluidic Reactor

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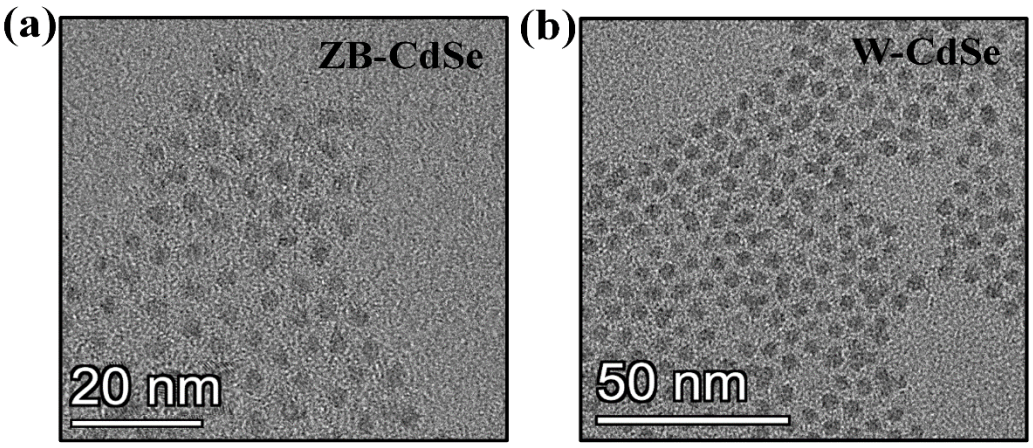

Fig. S1. TEM images of zinc blende CdSe (a) and wurtzite CdSe (b).

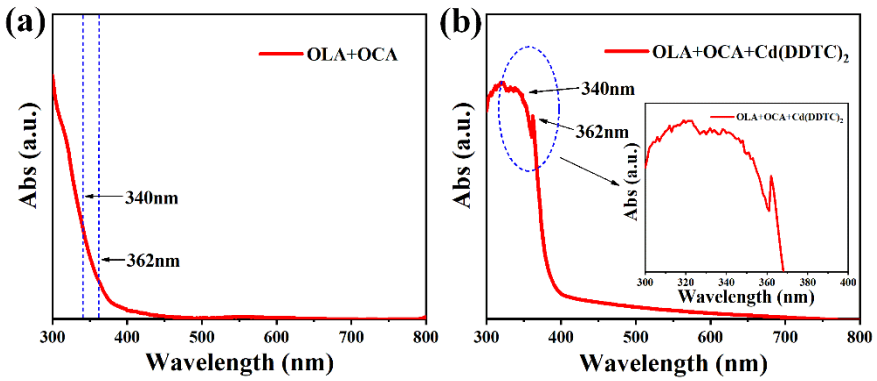

Fig. S2. Absorption spectra of the solutions of (a) mixed OLA and OCA, and (b) mixed OLA, OCA and $Cd(DDTC)_2$.

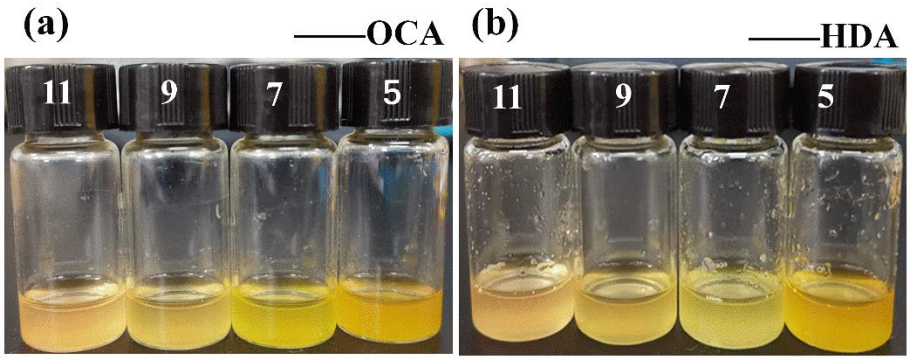

Fig. S3. Photos of tetrapod CdSe/CdS QD solutions prepared at different flow rate (ml/h) with using OCA (c) and HDA (d).

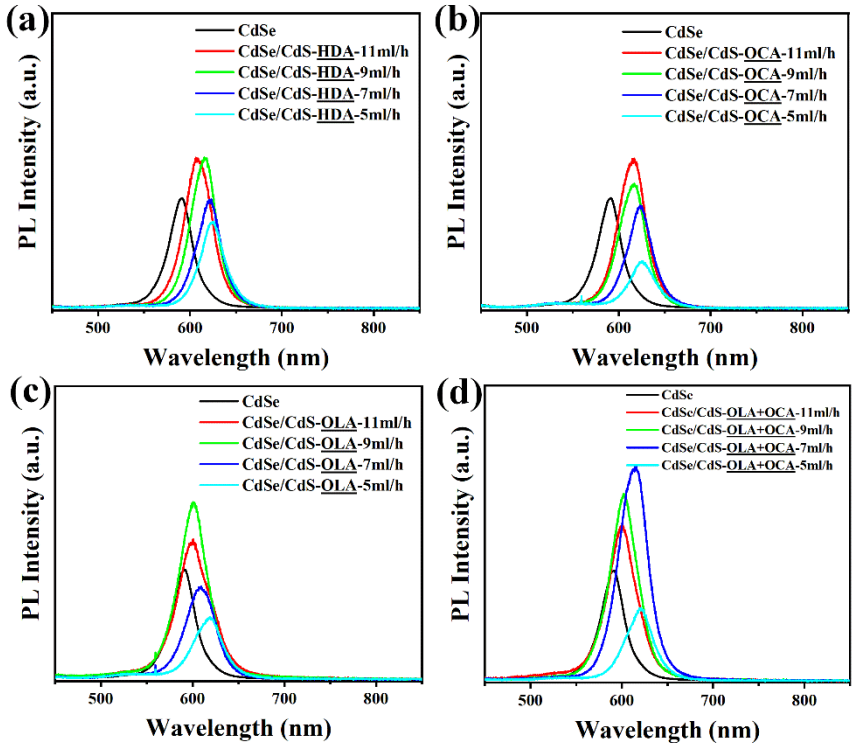

Fig. S4. PL spectra of tetrapod CdSe/CdS QDs prepared at different flow rates with different amine ligands.

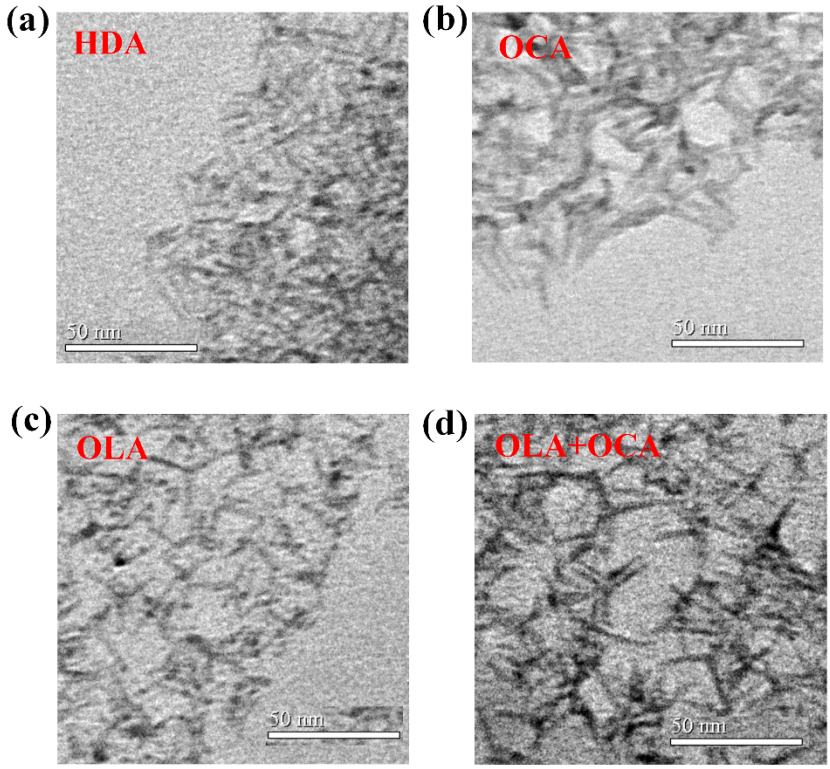

Fig. S5. TEM images of tetrapod CdSe/CdS QDs prepared with different amine ligands.

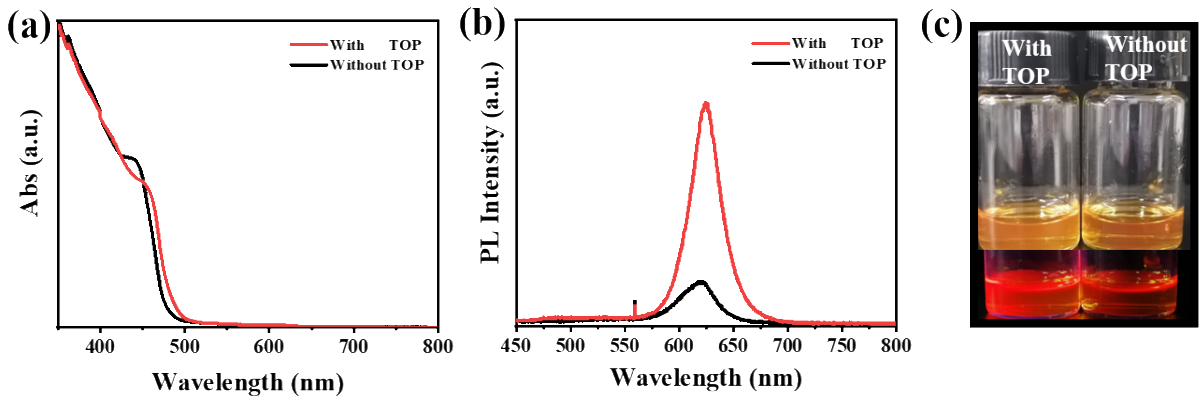

Fig. S6. (a) UV-Vis, (b) PL spectra and (c) photos under room light (up) and UV light (down) of tetrapod QDs synthesized with and without TOP.

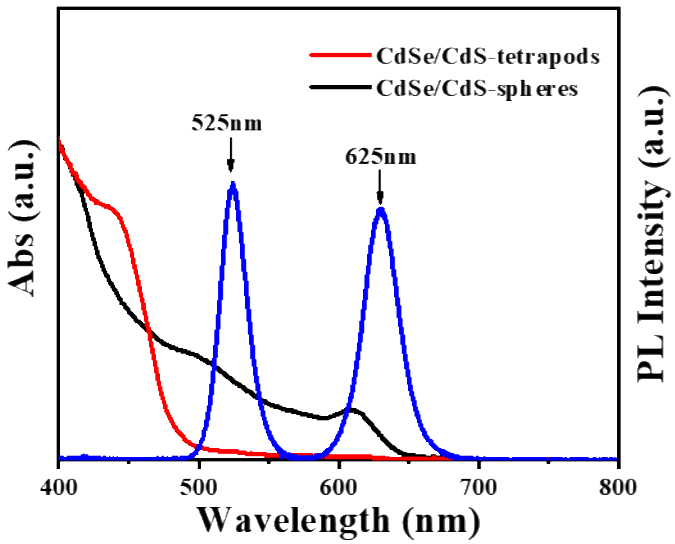

Fig. S7. PL and UV-Vis absorption spectra of mixed green-emission spherical CdSe/CdS QDs and red-emission spherical and tetrapod CdSe/CdS QDs.