Supplementary information

Rapid Synthesis of Thiol-Co-Capped-CdTe/CdSe/ZnSe Core Shell-Shell Nanoparticles: Their Optical and Structural Morphology

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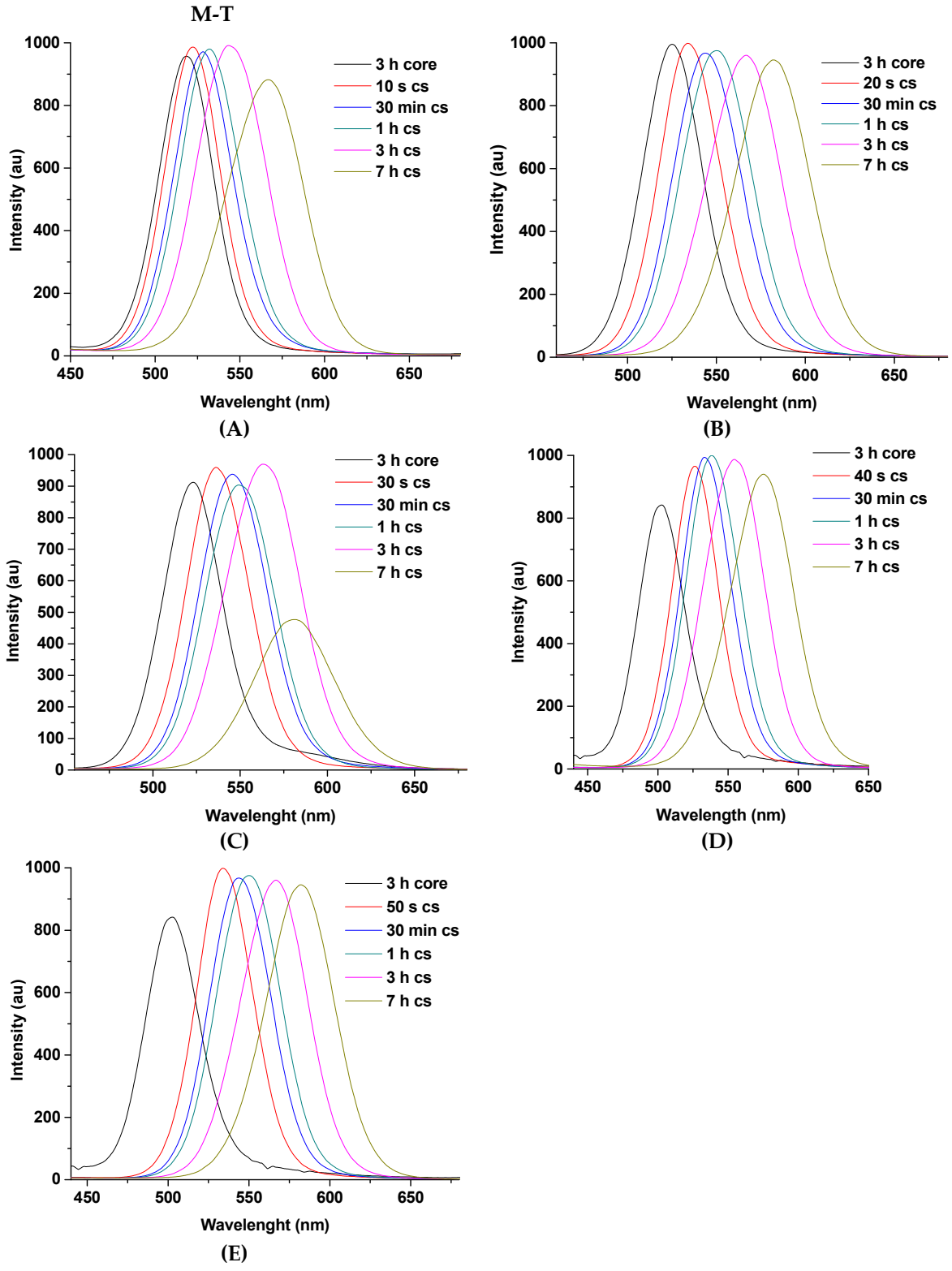

Figure S1. Emission spectra of M-T-CdTe/CdSe core shells at various mole ratios of Te/Se: (**A**) (1:0.2), (**B**) (1:0.4), (**C**) (1:0.6), (**D**) (1:0.8) and (**E**) (1:1). Note: 'CS' represent core–shell.

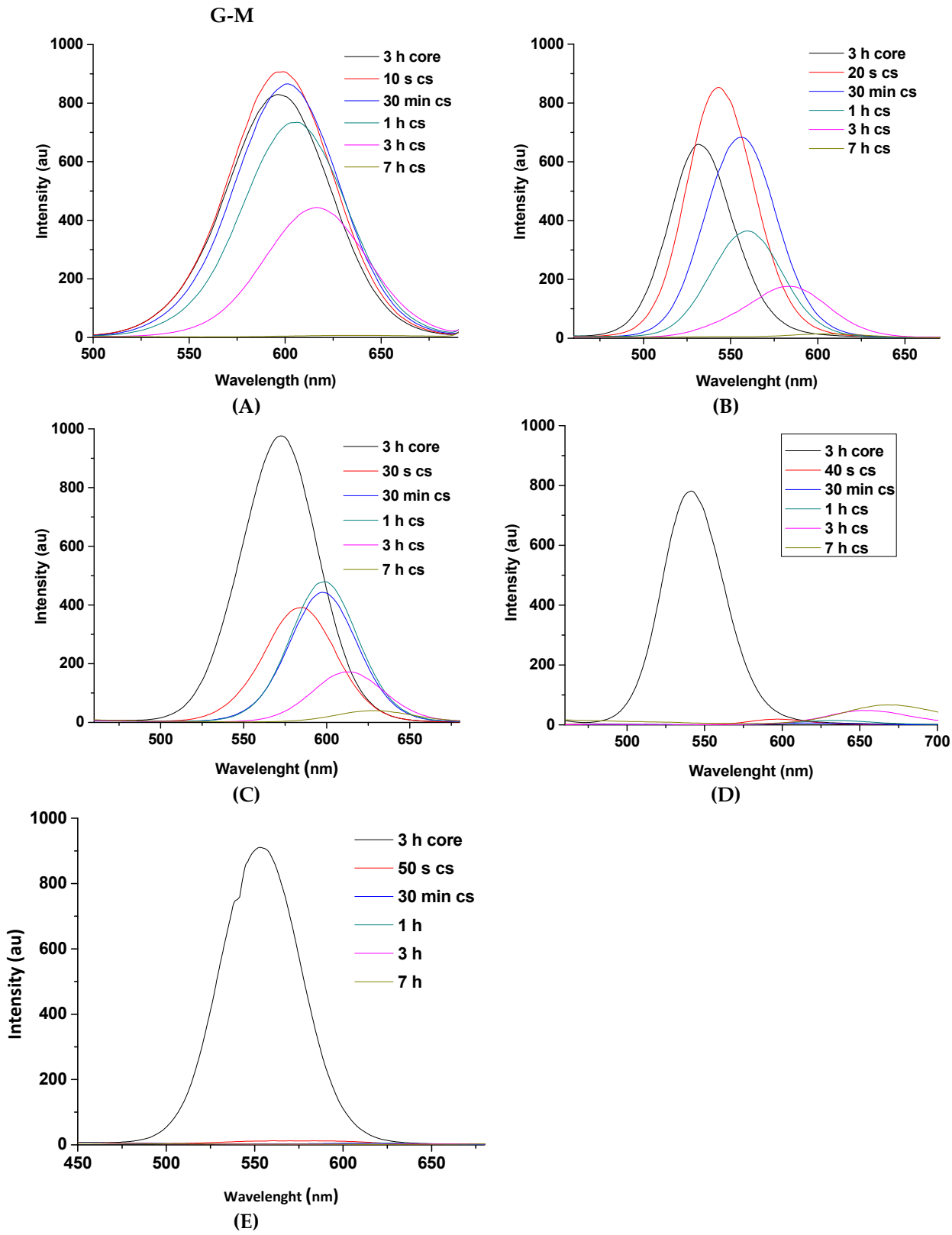

Figure S2. Emission spectra of G-M-CdTe/CdSe core shells at various mole ratios of Te/Se: (**A**) (1:0.2), (**B**) (1:0.4), (**C**) (1:0.6), (**D**) (1:0.8) and (**E**) (1:1). Note: 'CS' represent core–shell.

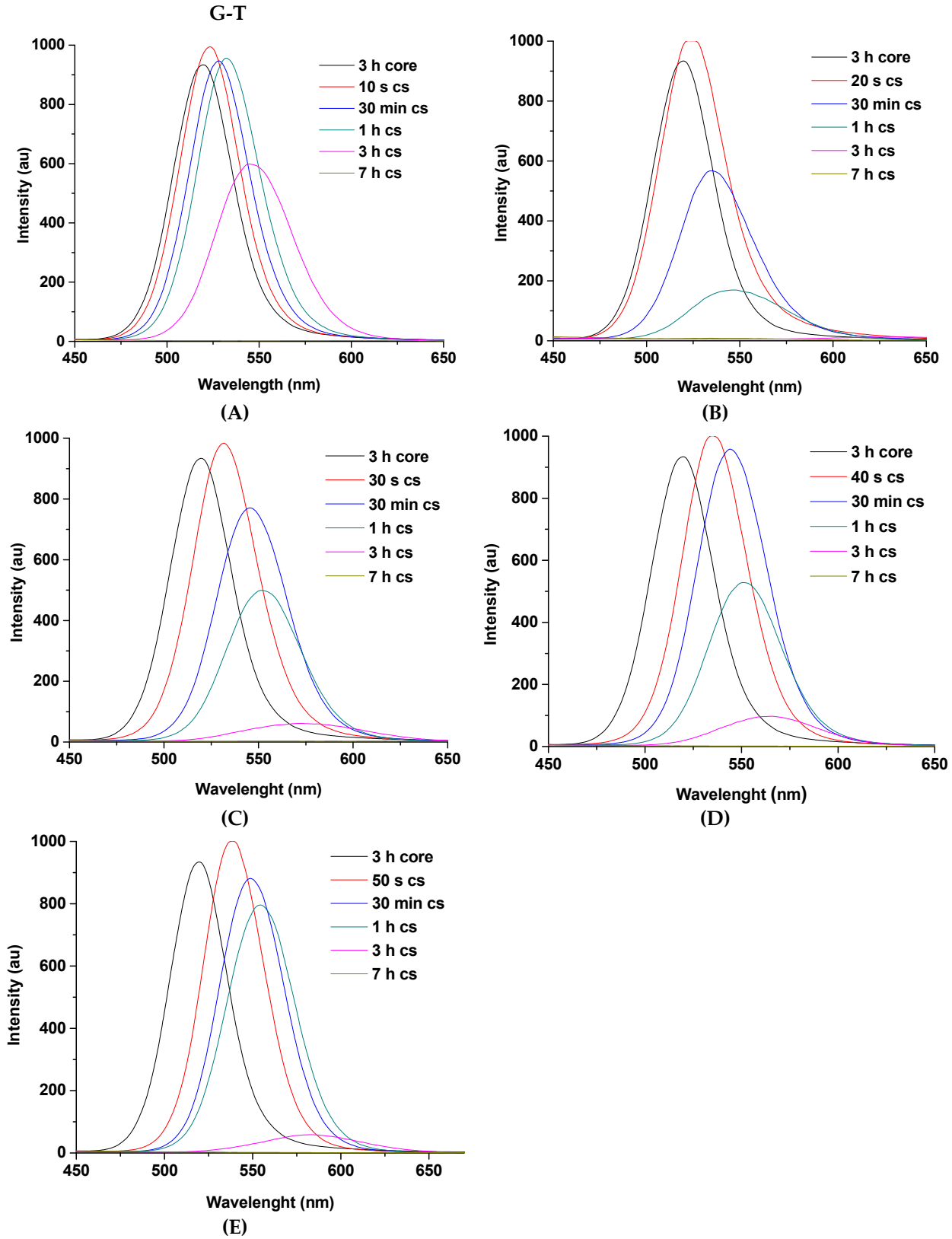

Figure S3. Emission spectra of G-T-CdTe/CdSe core shells at various mole ratios of Te/Se: (**A**) (1:0.2), (**B**) (1:0.4), (**C**) (1:0.6), (**D**) (1:0.8) and (**E**) (1:1). Note: 'CS' represent core–shell.

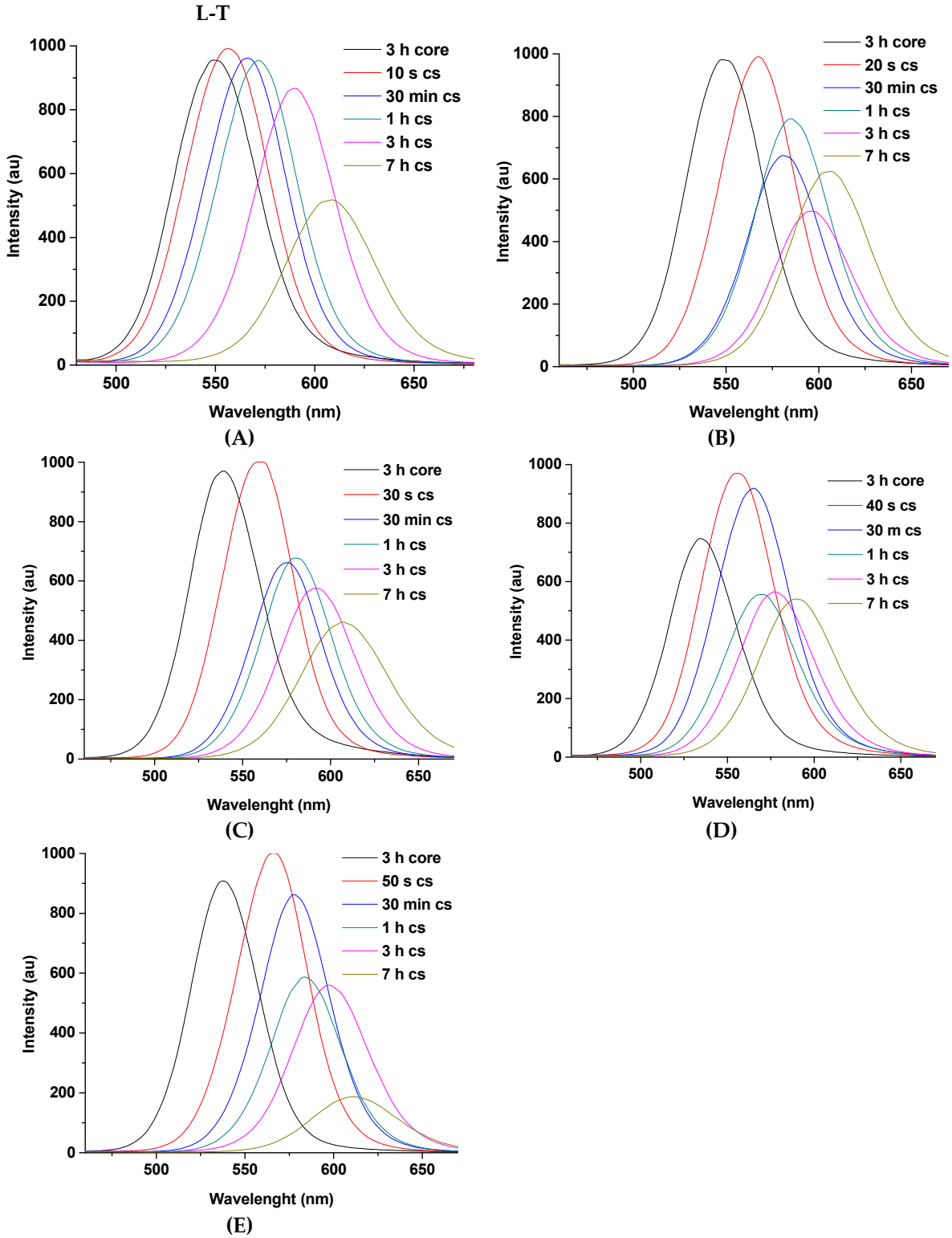

Figure S4. Emission spectra of L-T-CdTe/CdSe core shells at various mole ratios of Te/Se: (**A**) (1:0.2), (**B**) (1:0.4), (**C**) (1:0.6), (**D**) (1:0.8) and (**E**) (1:1). Note: 'CS' represent core–shell.

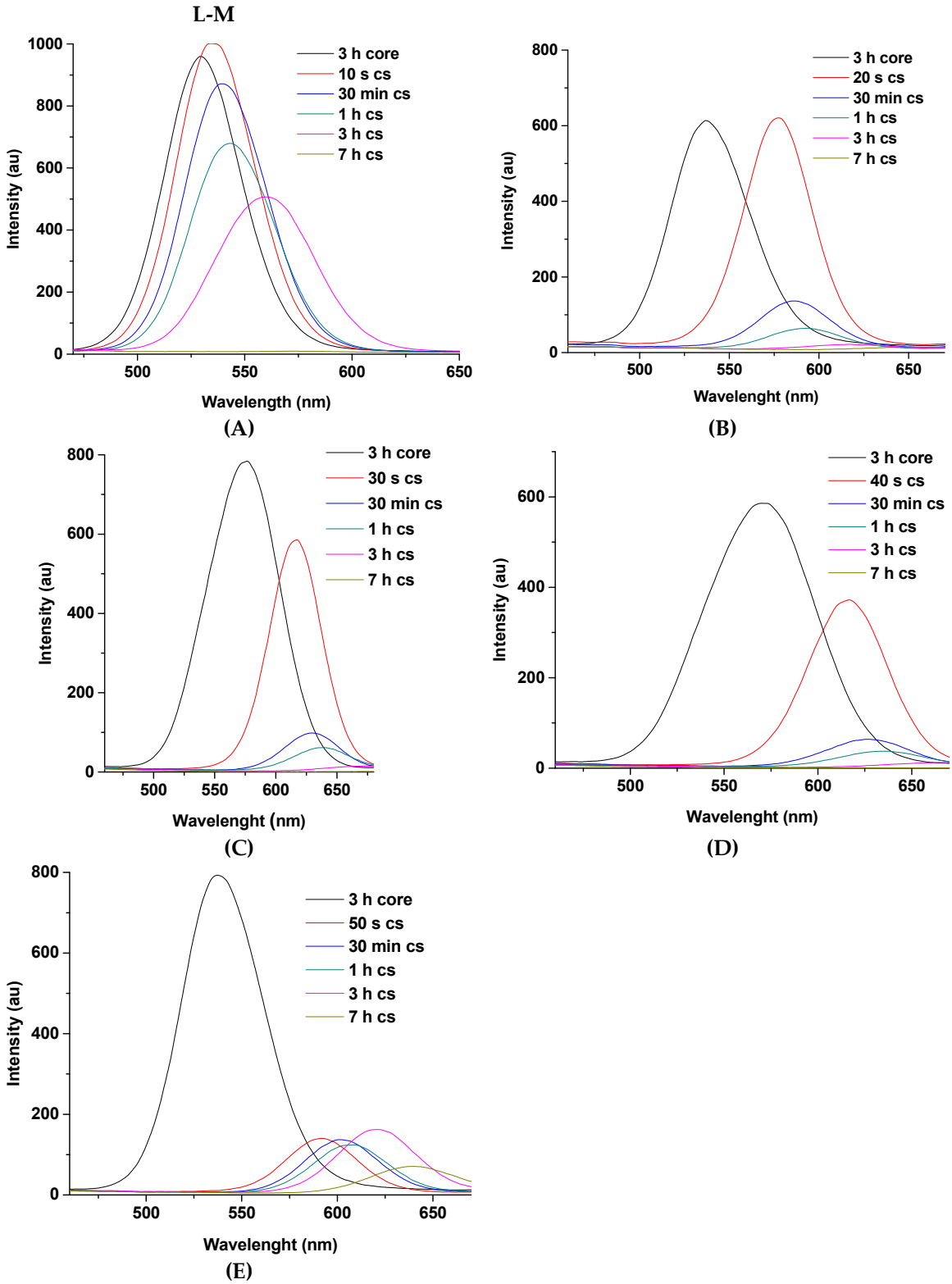

Figure S5. Emission spectra of L-M-CdTe/CdSe core shells at various mole ratios of Te/Se: (**A**) (1:0.2), (**B**) (1:0.4), (**C**) (1:0.6), (**D**) (1:0.8) and (**E**) (1:1). Note: 'CS' represent core–shell.

FTIR spectra of L-T CdTe core-shell QDs

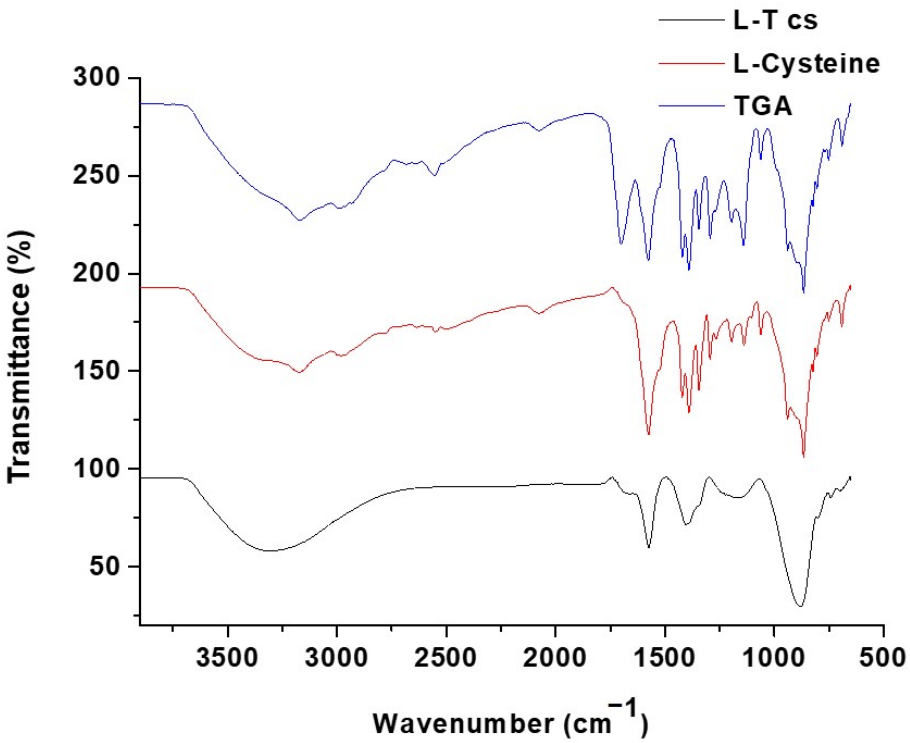

Figure 6. FTIR spectra for L-T-CdTe/CdSe core-shell.

EDS analysis

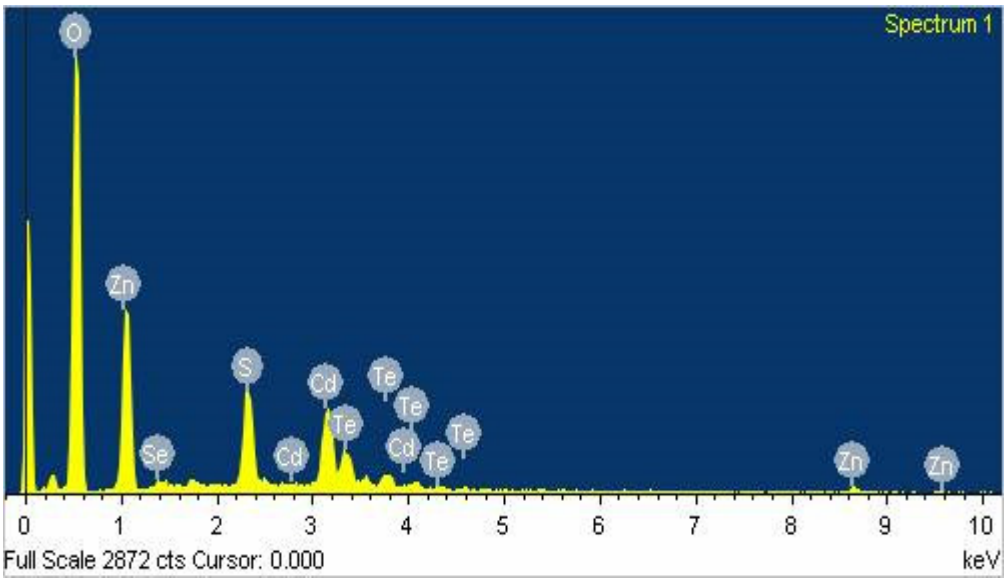

Figure S7. EDS analysis of M-T dual capped multi core-shell.