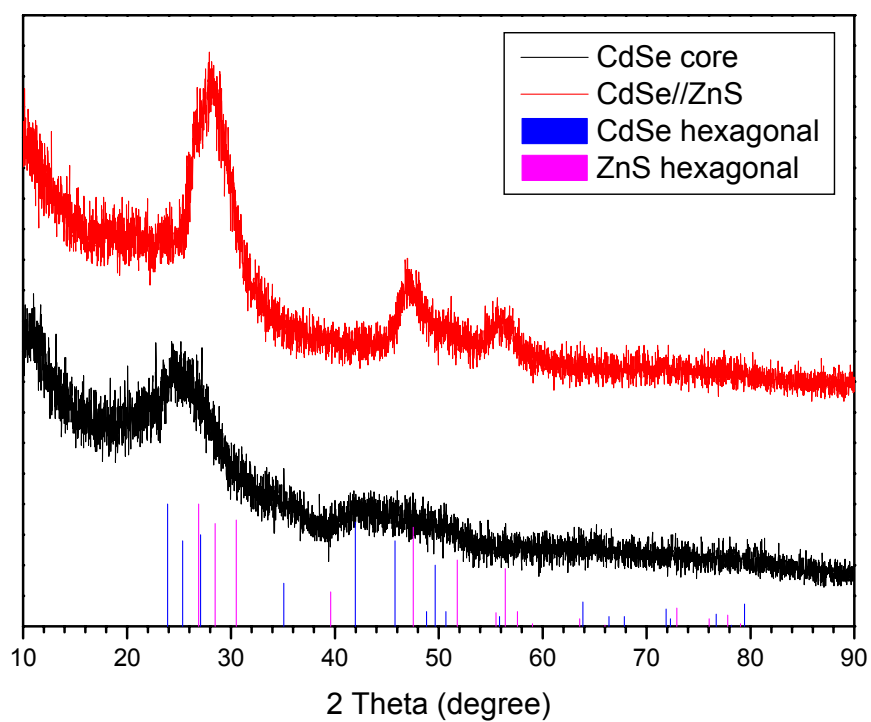
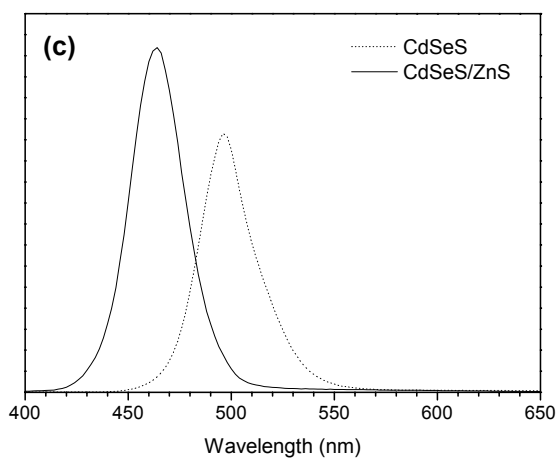
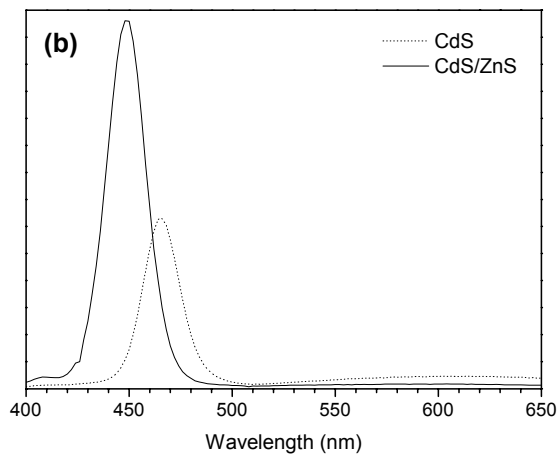
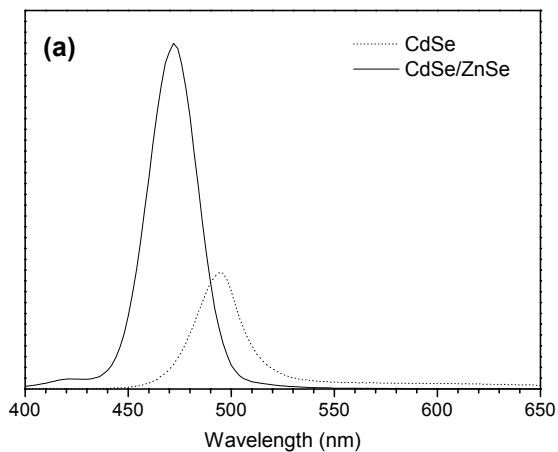


Electronic Supplementary Information

Fig. S1 XRD pattern of the CdSe//ZnS interfused nanocrystal and the CdSe core



**Fig. S2 PL spectra of the interfused nanocrystals and their respective cores**



**(a) PL of CdSe and CdSe//ZnSe**

**(b) PL of CdS and CdS//ZnS**

**(c) PL of CdSeS and CdSeS//ZnS**

**The preparation of cores and interfused nanocrystals was done by the same synthetic procedures introduced in the paper.**