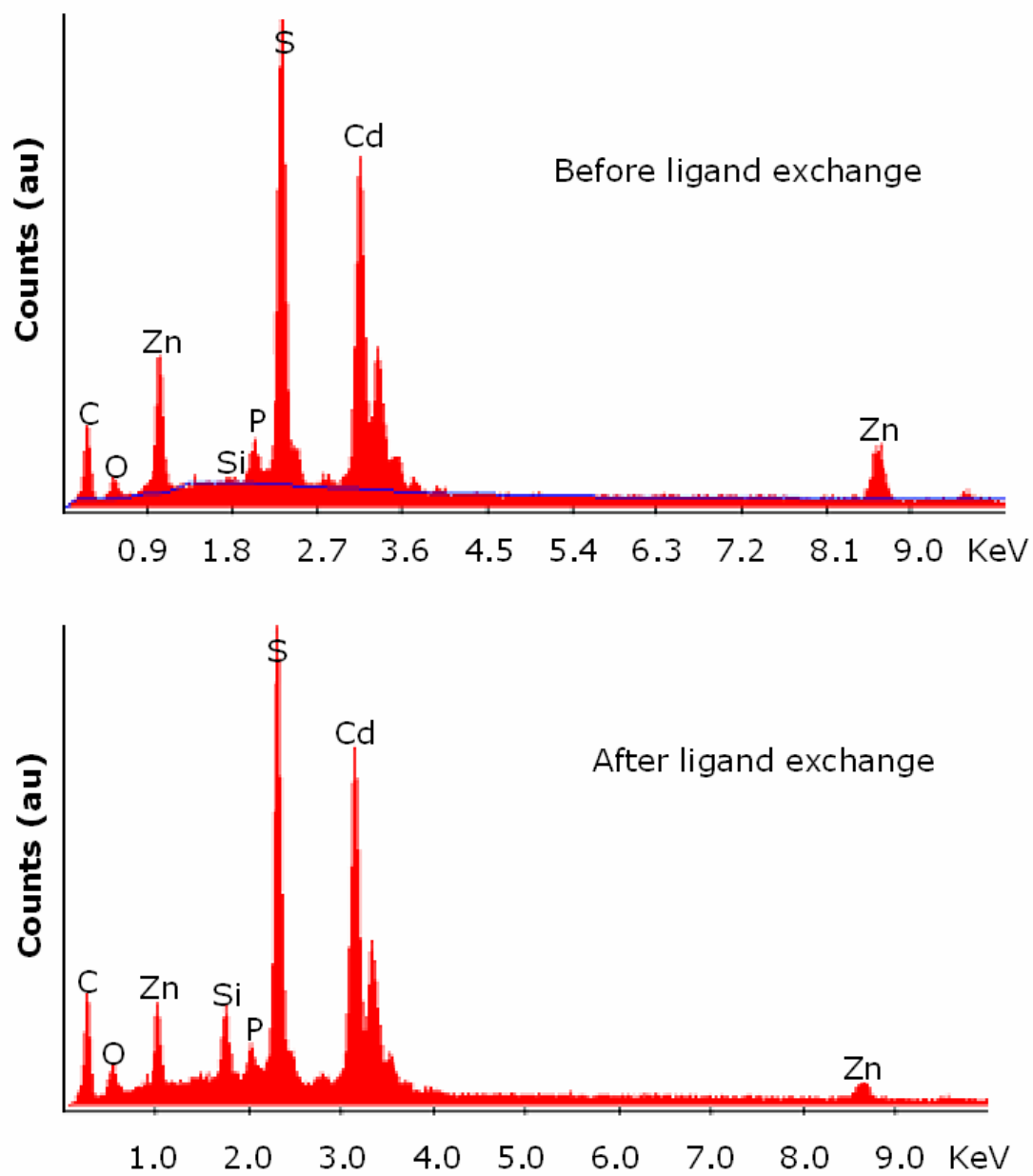
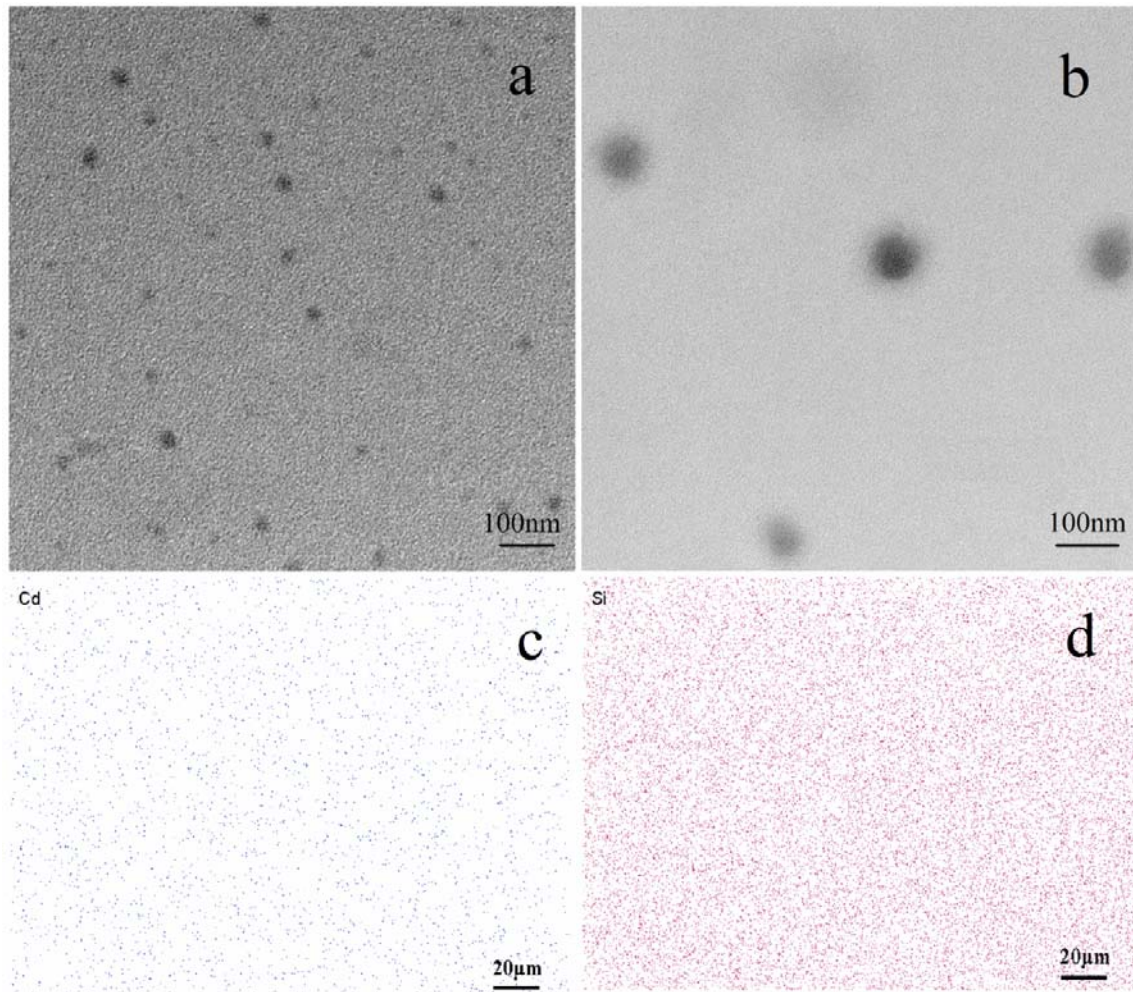


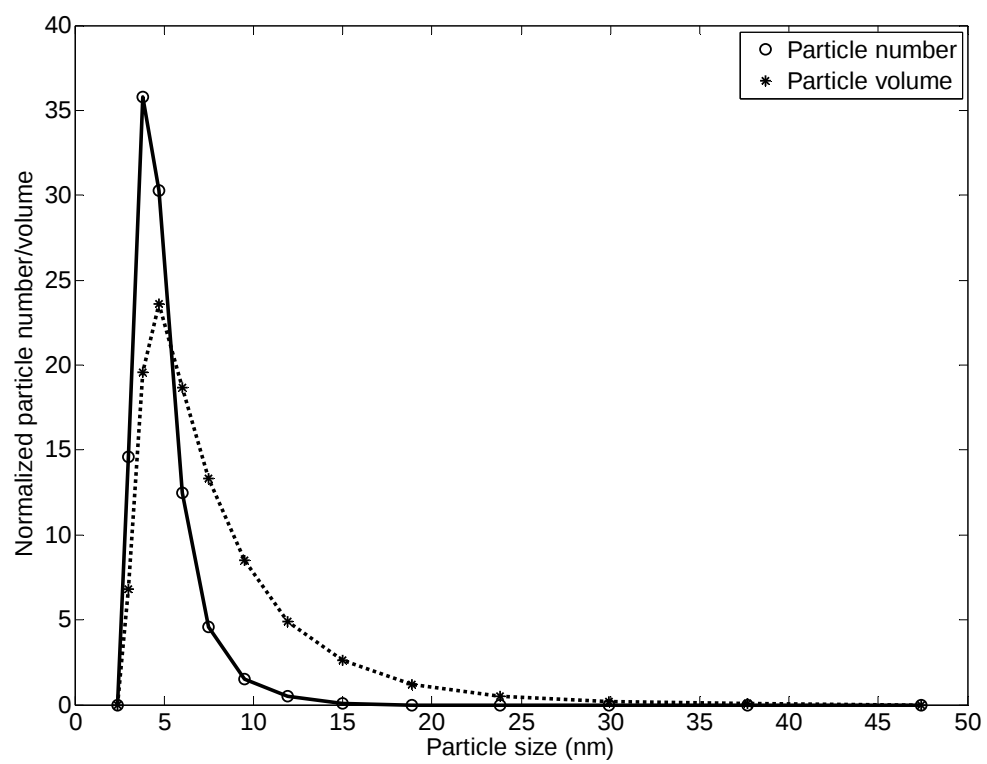
SUPPORTING MATERIALS



SF 1. EDX plots of the CdS-ZnS core-shell QDs before and after ligand exchange



SF 2. TEM images of the synthesized SiO₂-PVAc (a) and CdS-ZnS QDs/SiO₂-PVAc (b) nanocomposites, and EDX elements Cd (c) and Si (d) mapping of CdS-ZnS QDs/SiO₂-PVAc nanocomposite.



SF 3. Particle size distribution of CdS QDs by dynamic light scattering.