Support information

Surface plasmon resonance enhanced bandedge emission of CdS-SiO_2 core-shell nanowires with gold nanoparticles attachment

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Figure S1 SEM images of gold nanoparticles with different size ~7 nm (a), ~25 nm (b), ~37 nm (c), ~52 nm (d), respectively.

Figure S2 The EDS spectrum of as-prepared CdS NWs. (The observation of Cu comes from the Cu micro grid used for SEM test)
Figure S3 The EDS spectrum of as-prepared CdS-SiO₂ NWs. (The observation of Cu comes from the Cu micro grid used for SEM test)
Figure S4 TEM images of CdS nanowires coating with different thicknesses of silica layers.