

Electronic Supplementary Information

Room-temperature synthesis of nanocrystalline Ag₂S and its nanocomposites with gold

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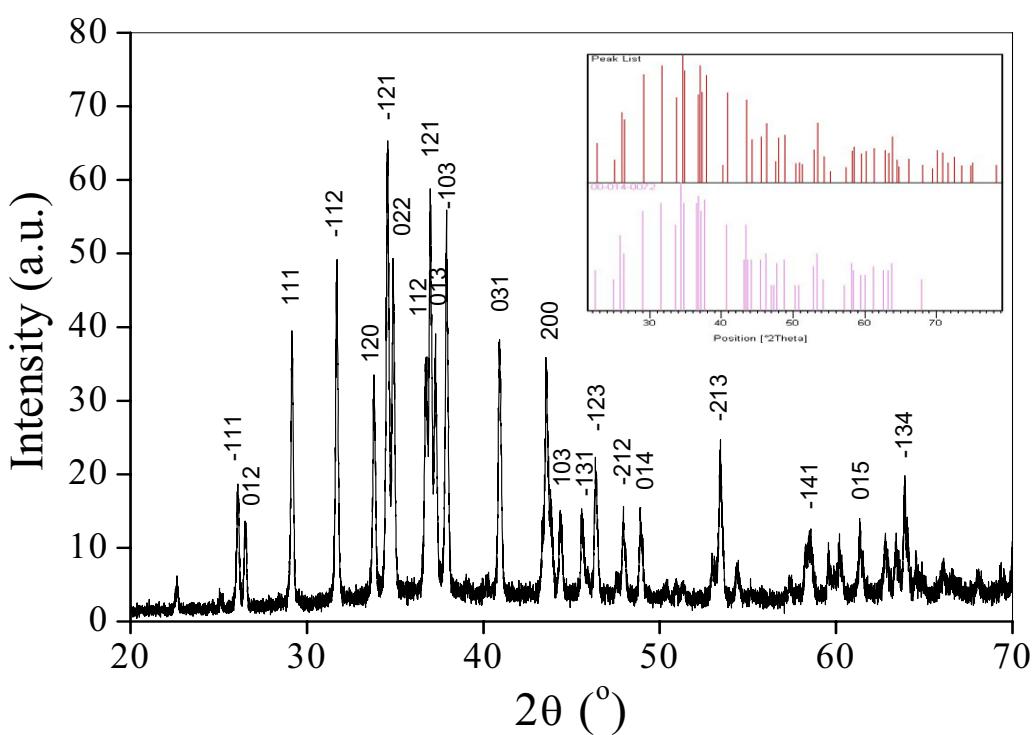


Fig. S1 XRD pattern of the as-prepared Ag₂S nanocrystals. Insert shows the peak positions for the Ag₂S nanocrystals (top) and the monoclinic Ag₂S phase (JCPDS Card File 14-0072) (bottom).

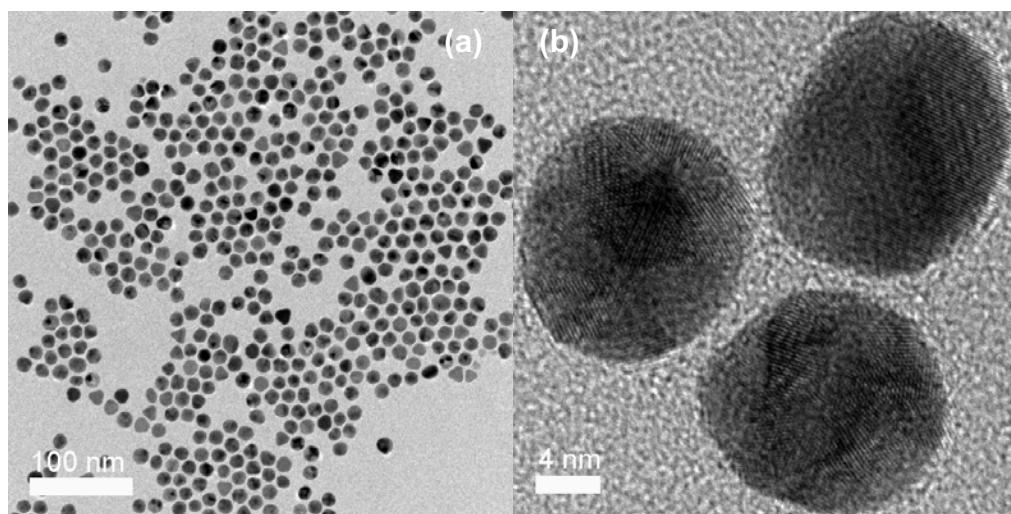


Fig. S2 (a) TEM and (b) HRTEM images of 13-nm Au nanoparticles transferred from water to toluene.

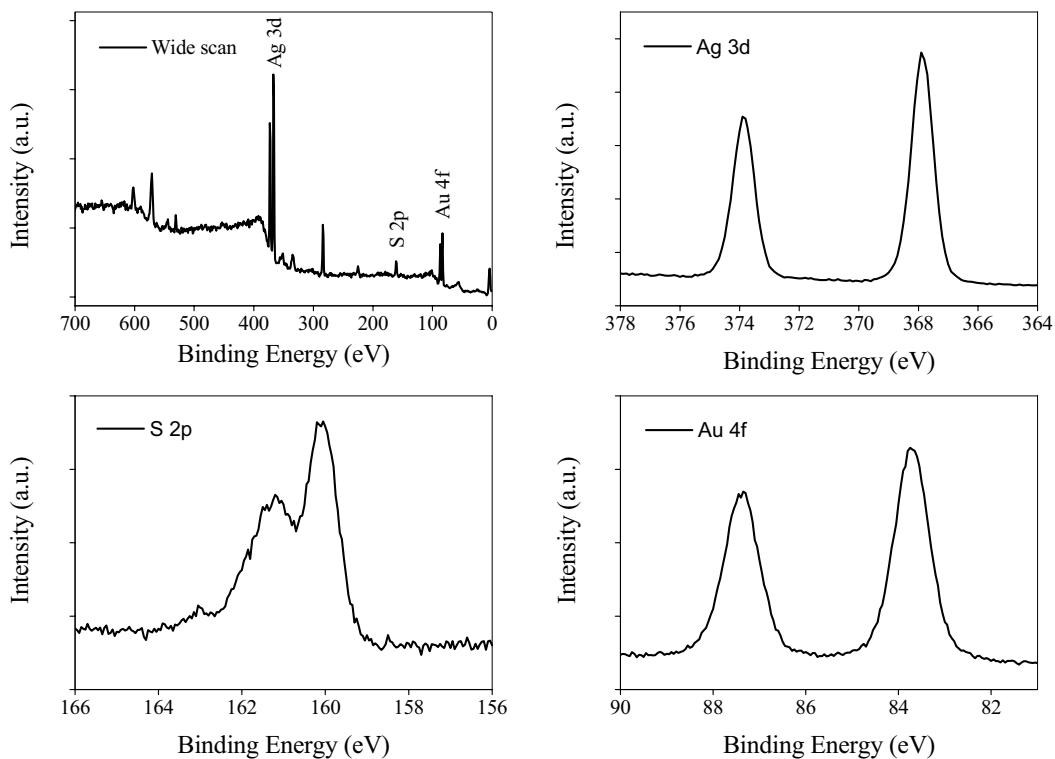


Fig. S3 XPS spectra of the Ag_2S -Au heterodimers.