

Supporting Information

Substrate-mediated charge transfer plasmons in simple and complex nanoparticle clusters

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Figure S1: Polarization dependence for the 5 nm thickness Au substrate.

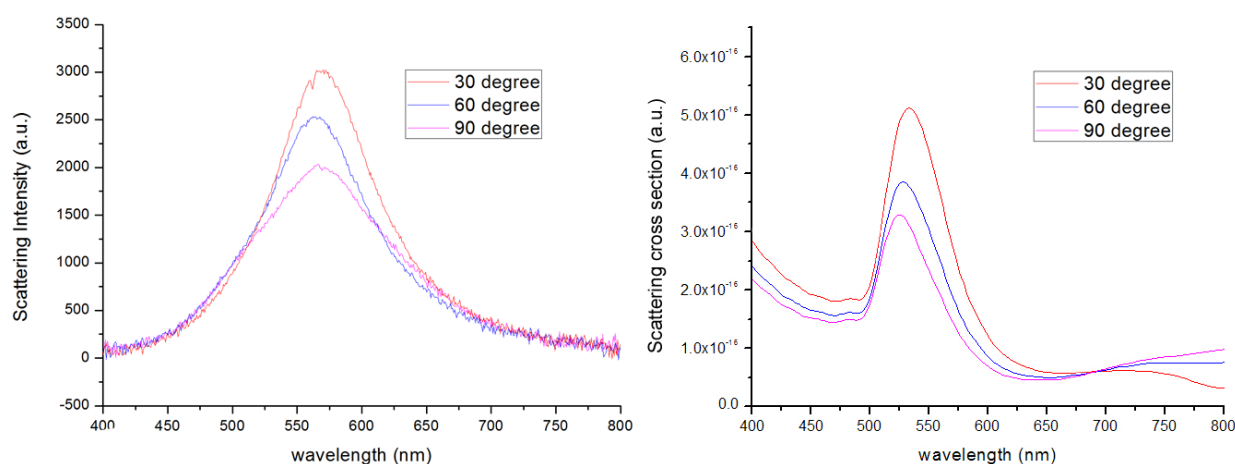


Figure S1. Scattering spectra for different polarization of incident light. The polarization is changed from 30 degree to 90 degree with respect to the axis of the dimer structure.

The occurrence of charge transfer plasmon (CTP) is strongly dependent on the polarization of incident light. As we can see from Figure S1, the CTP mode dissipated as the incident polarization changes from transverse to the perpendicular one.