

Supporting Information

Chemical Ordering–Driven Modulation of Plasmonic Hot Carriers in Janus Nanostructures

Junais Habeeb Mokkaath

junais.mokkaath@asu.edu.kw

College of Integrative Studies, Abdullah Al Salem University (ASU), Block 3, Khaldiya, Kuwait

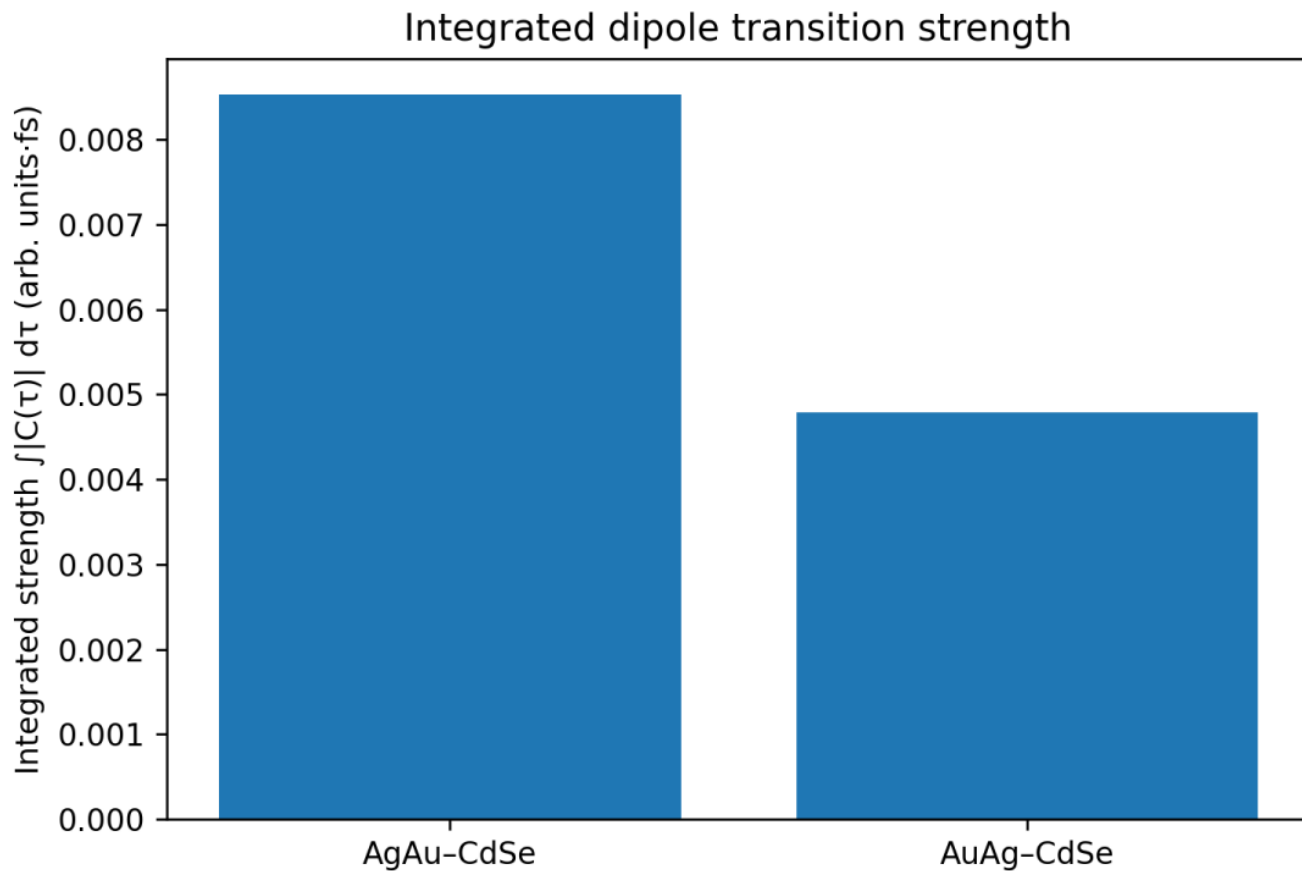
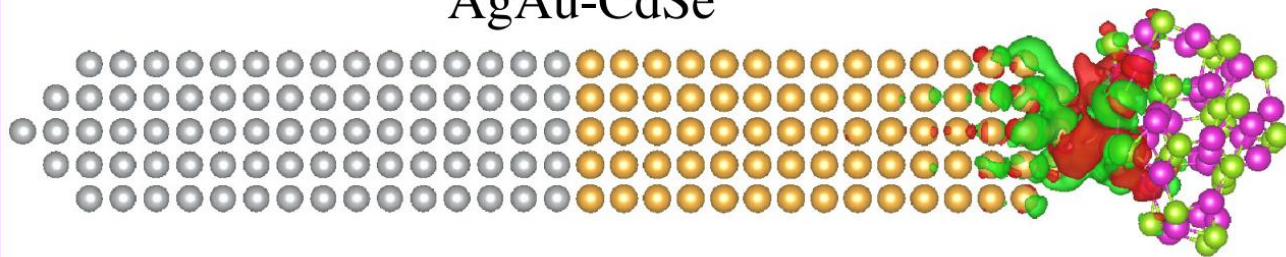


Figure S1: Integrated dipole transition intensity $I = \int_0^T |C(\tau)| d\tau$ for AgAu-CdSe and AuAg-CdSe heterostructures, obtained from the time-dependent dipole response in RT-TDDFT simulations.

Charge Density Difference

AgAu-CdSe



AuAg-CdSe

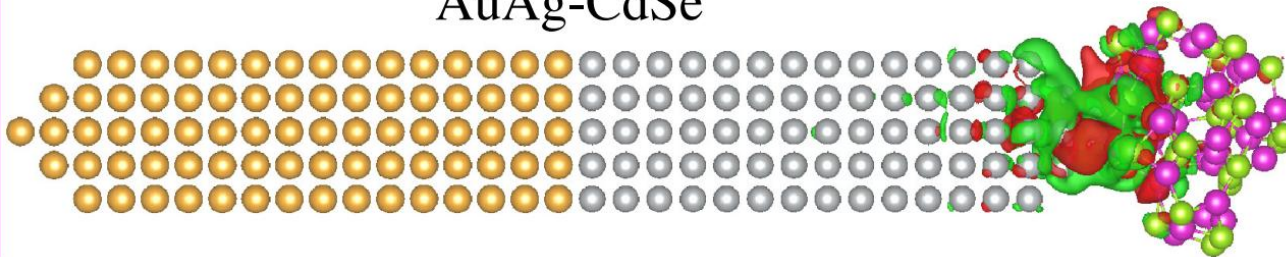


Figure S2: Charge–density–difference isosurfaces at the metal--QD junction (same iso-value in all panels). Green: accumulation; red: depletion.