

Supporting information

Effects of the Substrate Refractive Index, the Exciting Light Propagation Direction, and the Relative Cube Orientation on the Plasmonic Coupling Behavior of Two Silver Nanocubes at Different Separations

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Supporting information 1

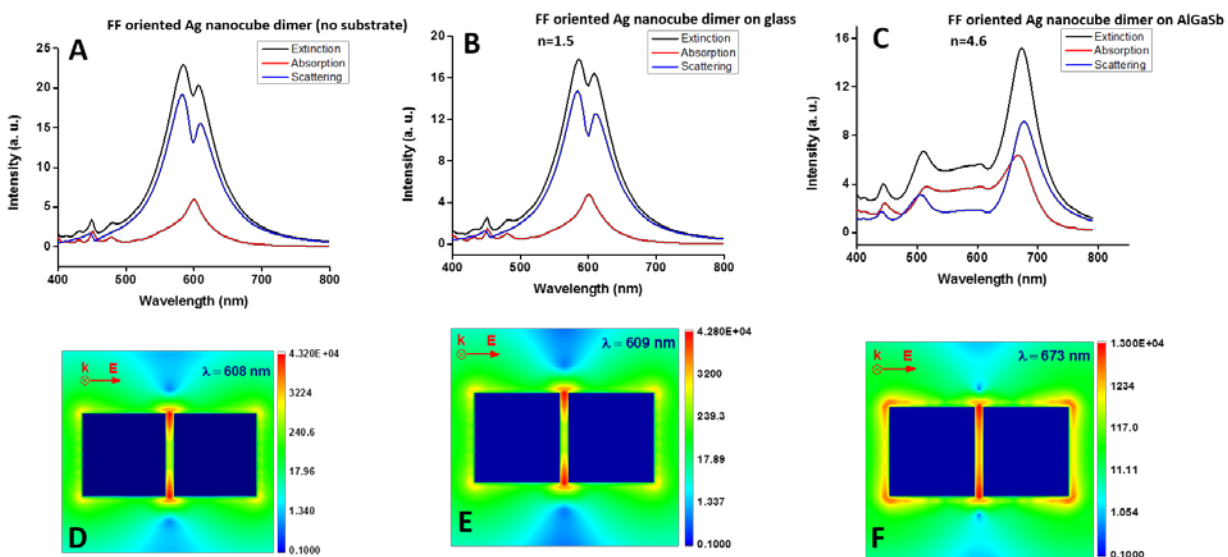


Figure S1. DDA calculated extinction spectra (A, B, and C) and field intensity (D, E, and F) of FF oriented Ag NC dimer without substrate or on glass and AlGaSb substrates at a separation distance of 2 nm.

Supporting information 2

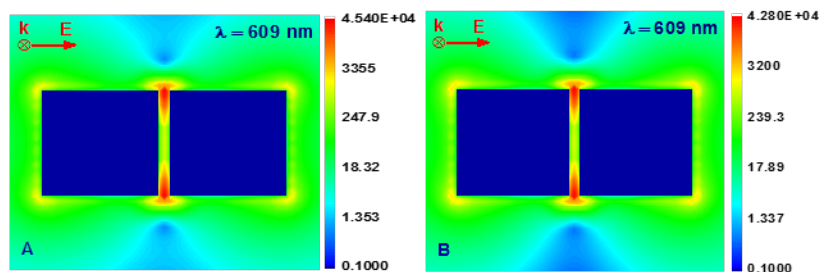


Figure S2. DDA calculated field intensity away (A) and near (B) the substrate planes of FF oriented Ag NC dimer on glass at a separation distance of 2 nm. The maximum value of the plasmonic field is mostly located around the adjacent corners and less in between of the two adjacent faces of the FF oriented cubes. The field intensity has almost the same value at the bottom and top plane.

Supporting information 3

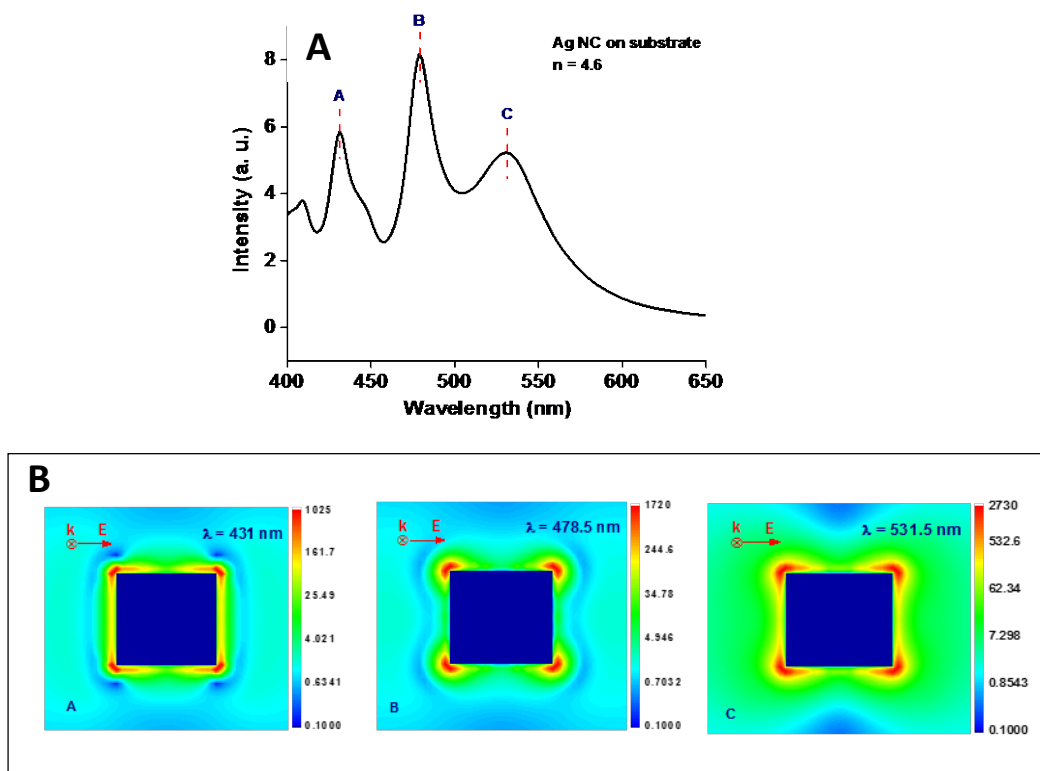


Figure S3. DDA calculated extinction spectrum (A) and field intensity (B) near the substrate plane of single Ag NC on AlGaSb ($n= 4.6$).