



Figure 1 a) Optical extinction cross-section of a gold NP dimer bridged by molecular linkers with an excitonic transition of energy $E_{\text{ex}}=1.51$ eV ($\lambda_{\text{ex}}=821$ nm), as a function of the radius a and conductance G of the linker. b) Optical extinction cross-section of a dimer bridged by a molecular linker with radius $a=3$ nm and excitation energy $E_{\text{ex}}=1.24$ eV ($\lambda_{\text{ex}}=1000$ nm) as the dielectric response of the embedding medium ϵ_d is varied.