Supporting Information for

Molecular understanding on the penetration of functionalized gold nanoparticles into asymmetric membranes

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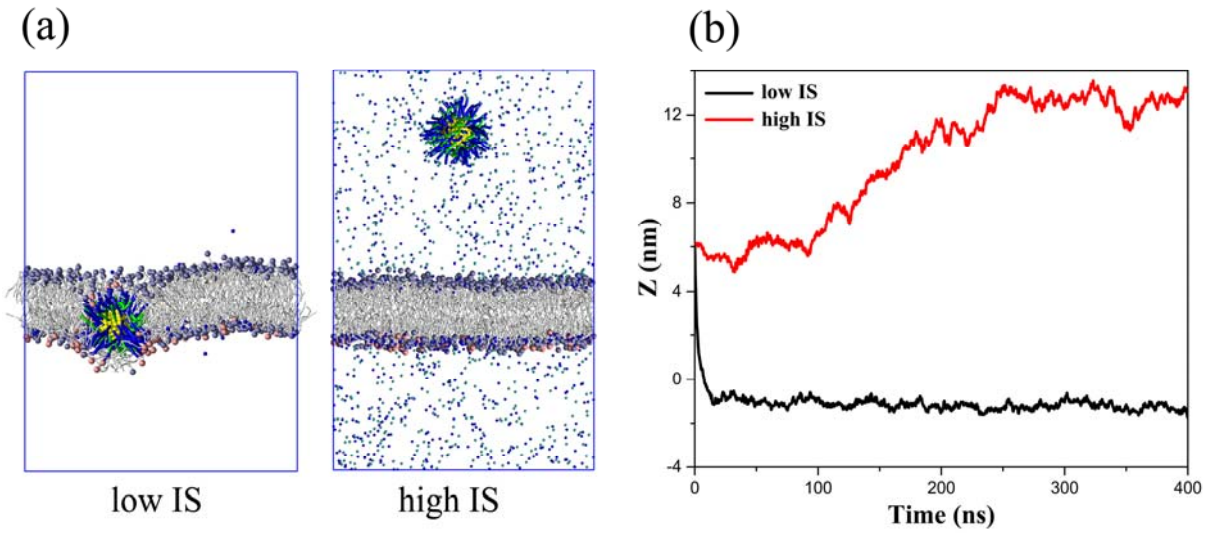

Figure S1. (a) The equlibrated states of cationic AuNP (70% SCD) interacting with the asymmetric lipid membrane (single bilayer) in the solvent with low and high IS respectively, and (b) evolution of the center of mass separation distance in the z direction with time.

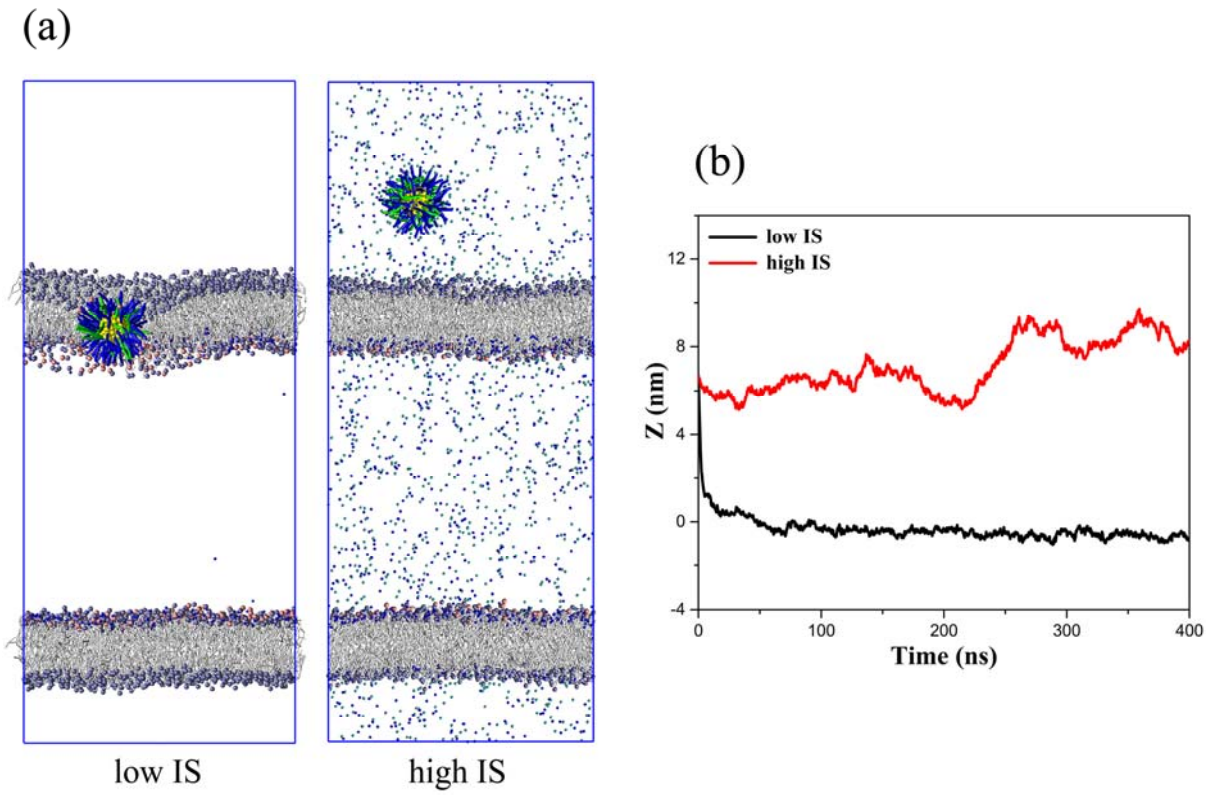

Figure S2. (a) The equlibrated states of cationic AuNP (70% SCD) interacting with the asymmetric lipid membrane (double bilayer) in the solvent with low and high IS respectively, and (b) evolution of the center of mass separation distance in the z direction with time.