Description of Additional Supplementary Files

Supplementary Movie 1: Nanomanipulation of diverse colloidal particles with different sizes.

Supplementary Movie 2: Manipulation of TiO2 nanoparticles on CTAC layer with and without AuNIs substrate.

Supplementary Movie 3: In-plane launch of a 200 nm AuNP with an optical power of 2.7 mW.

Supplementary Movie 4: Manipulation of a 200 nm AuNP on a thin layer of SDS.

Supplementary Movie 5: Power-dependent velocity measurement for 300 nm AuNPs. The white "+" indicates the original positions of AuNPs.

Supplementary Movie 6: Dynamic rotation and translation of AuNWs.