Electronic Supplementary Material (ESI) for Lab on a Chip.

Supporting Figures

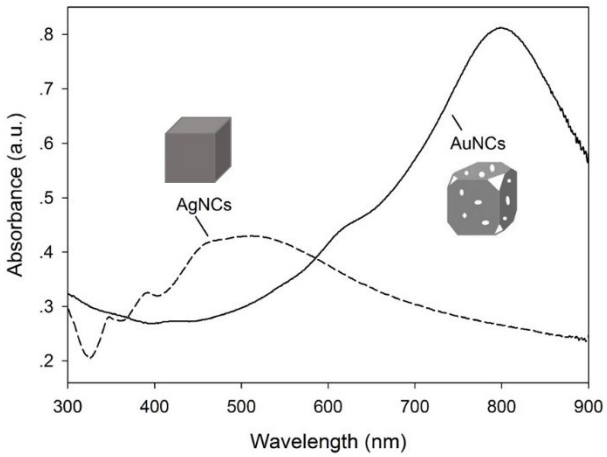

Figure S1. The absorption spectrum of the AgNCs (dashed line) and the AuNCs (solid line) measured by the UV-Vis-NIR spectroscopy.

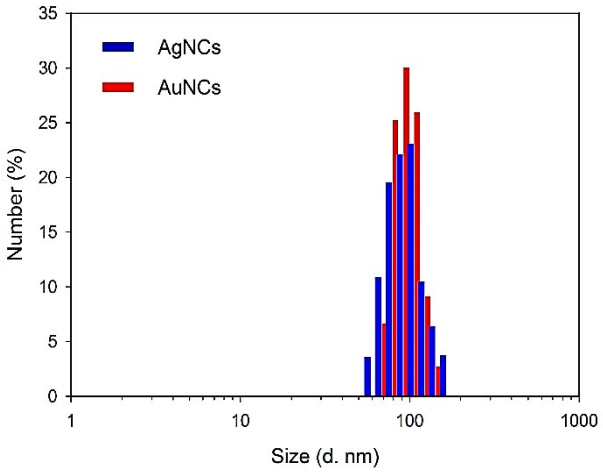

Figure S2. The size distribution of the AgNCs and AuNCs characterized by dynamic light scattering.

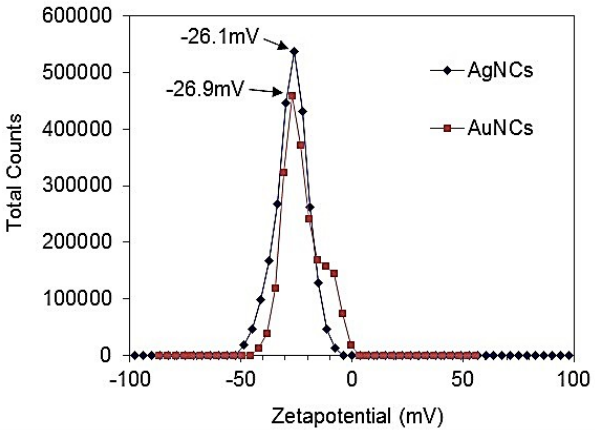

Figure S3. The zeta potential distribution of the AgNCs and AuNCs characterized by phase analysis light scattering.

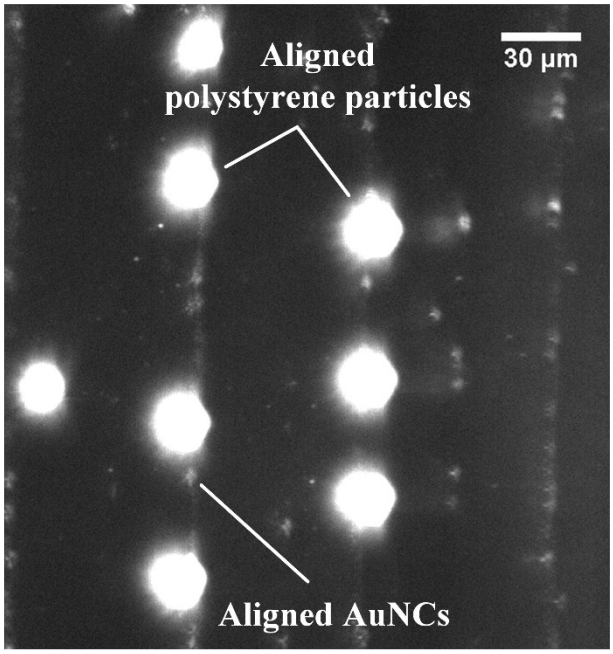

Figure S4. AuNCs are trapped at the same plane with polystyrene particles.

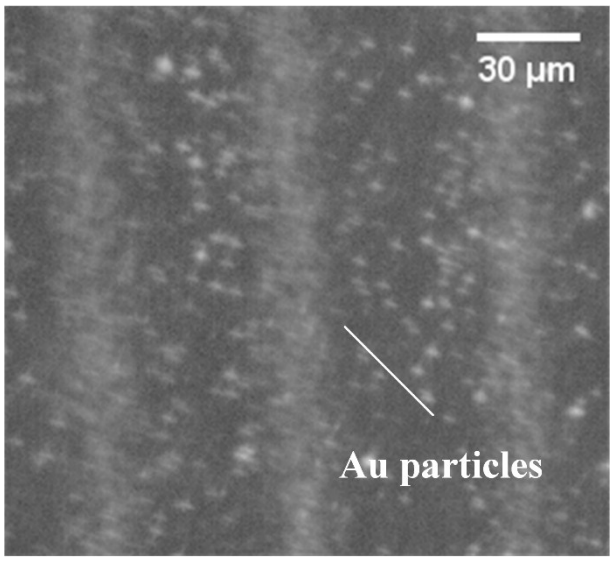

Figure S5. Au particles are patterned by the acoustic radiation force when increasing the input power to 180 mW.

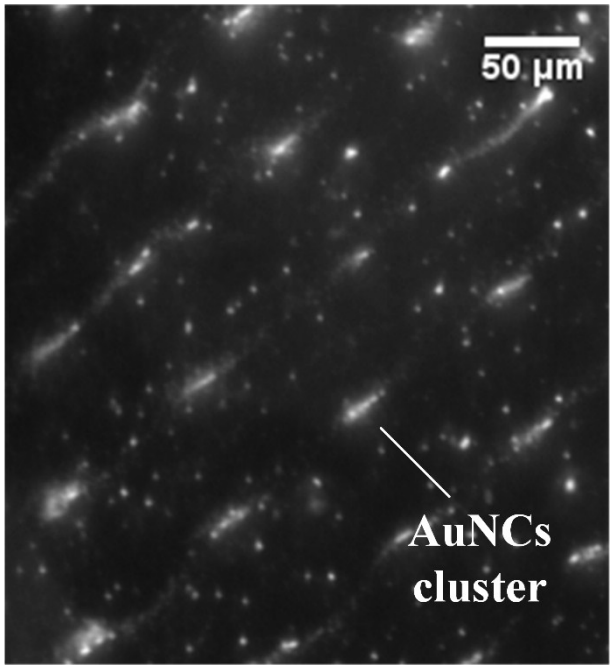

Figure S6. In one-dimensional SSAWs field, the AuNCs are aggregated by the secondary acoustic radiation force, forming a “pearl chain”.

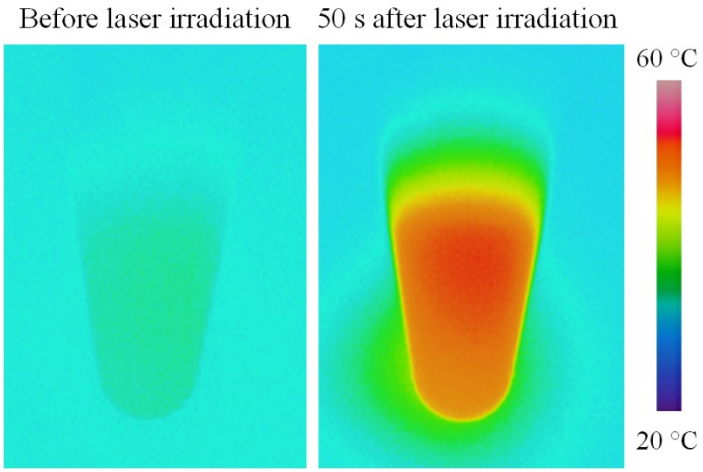

Figure S7. When the AuNCs are exposed to laser irradiation (2 W/cm-2), temperature increases dramatically.