

Supplementary information

Synthesis of Large-Scale Transparent Gold Nanosheets Sandwiched between Stabilizers at a Solid-Liquid Interface

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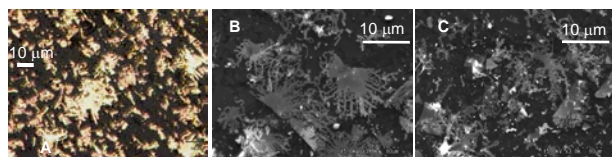


Fig. S1 Optical microscopy (A) and SEM images (B and C) of the deposited Au-DSs on the SM at an initial solution pH of 8.4 in the presence of 0.1 M CH_3COONa . The deposited Au-DSs had a more branched structure compared with the Au-DSs deposited at pH 5. No regular geometrically shaped Au-NSs were formed on the SM.

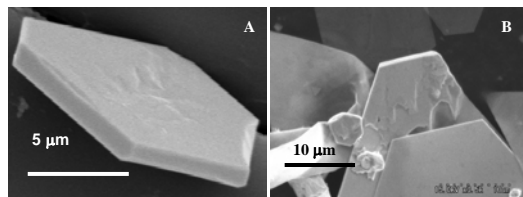


Fig. S3 (A, B) SEM images of the Au-NSs loosened from the SM surface. The measurement of the height of a particle along line 1. The thicknesses of several Au-NSs were approximately 1 μm .

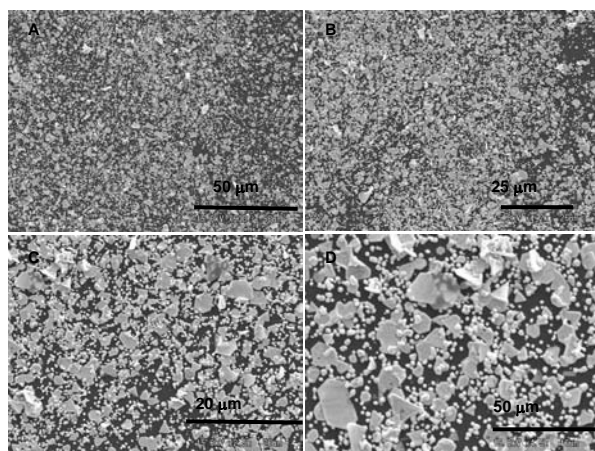


Fig. S3 (A, B, C and D) SEM images of the Au-NSs deposited onto SM surface at 80 °C. A large-scale Au-NSs were deposited together with spherical particles. The deposited Au-NSs were relatively smaller than the deposition process carried out at 60 °C.