Supporting information

Amino Silane Micropatterns on Hydroxyl-Terminated Substrates: Fabrication and Applications

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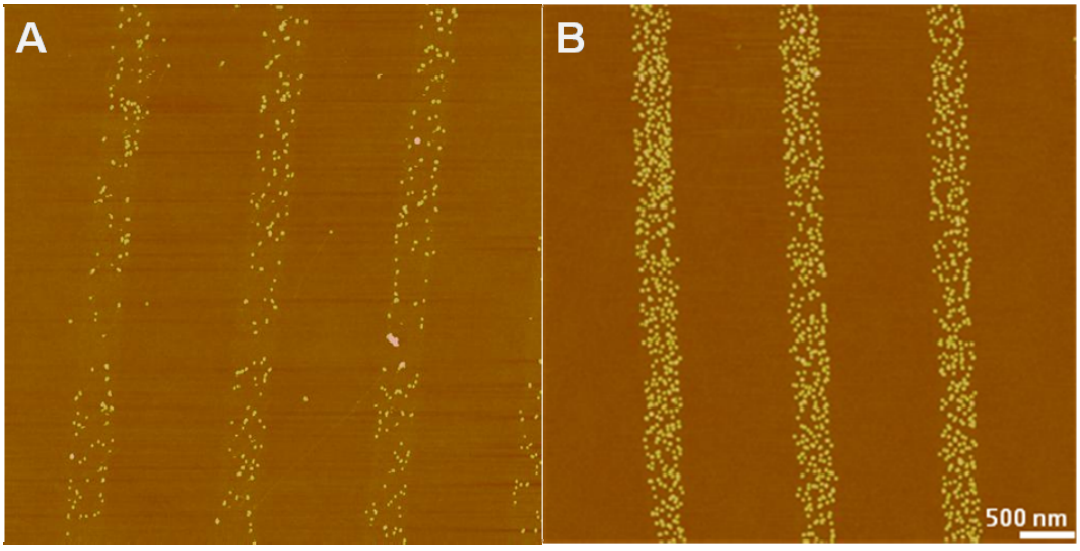

Figure S1. AFM images of Au NPs adsorbed on APTES patterns fabricated by μCP on SiO_2 with different concentration of APTES aqueous solution: (A) 0.2% and (B) 0.5%. The scan size is 5 × 5 μm^2. Z scale: 50 nm.

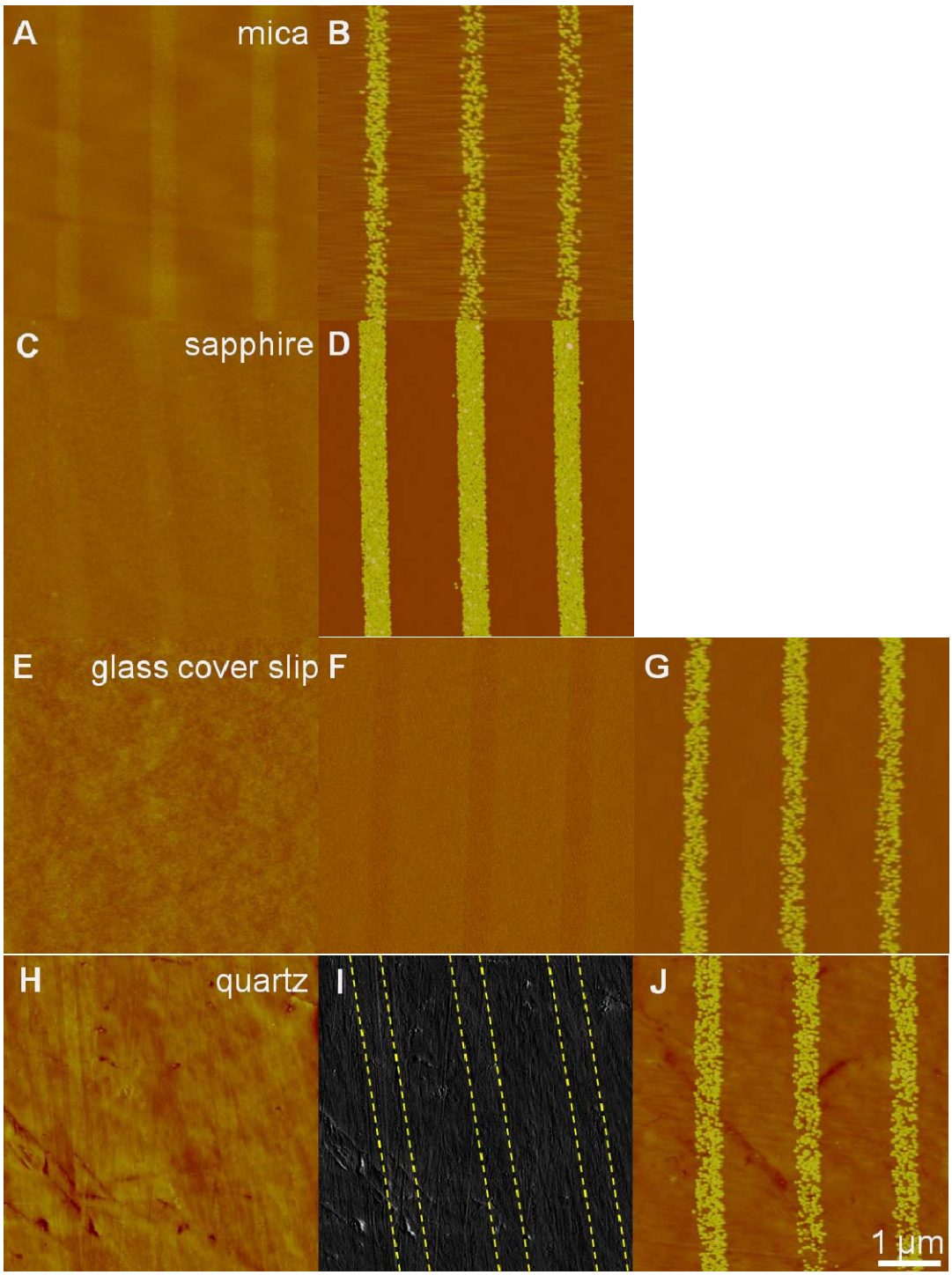

Figure S2. AFM topographic (A, C, E, H) and phase images (F, I) of APTES micropatterns generated by µCP on mica (A), sapphire (C), glass cover slip (E-F), and quartz substrates (H-I), respectively, and the adsorption of Au NPs (B, D, G, J). (I) Phase image of (H) shows three APTES patterns between the yellow dash lines. All AFM images are 5 × 5 μm^2. Z scale: 10 nm in (A, C, E); 30 nm in (H); 50 nm in (B, D, G, J); and 50° in (F, I).

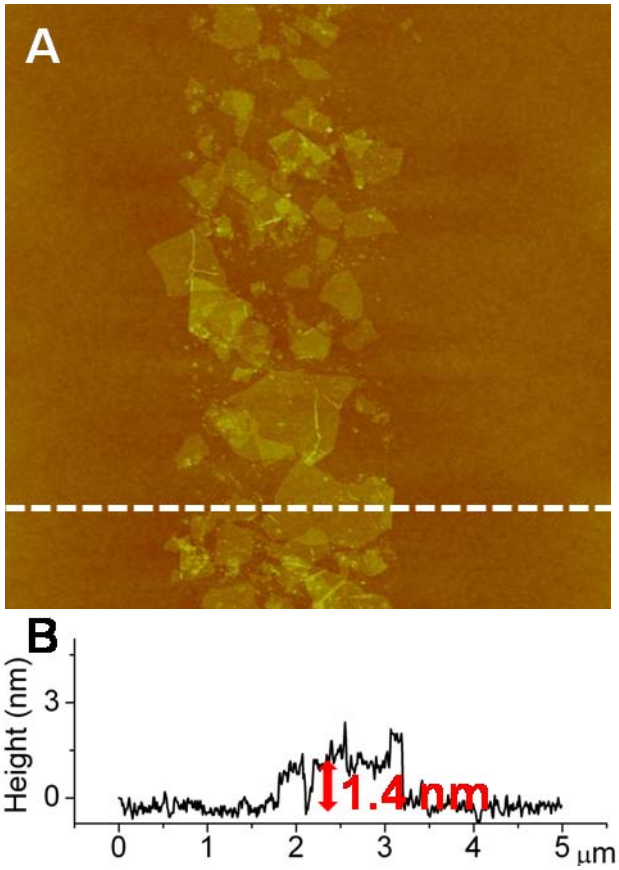

Figure S3. AFM image of single-layer graphene oxide (GO) adsorbed on an APTES pattern on SiO_2. (A) Topographic image; (B) height profile of single-layer GO. The scan size is 5 × 5 μm^2. Z scale: 20 nm.