

Supporting Information for
Gold nanoparticles in aqueous solutions: influence of size and pH on hydrogen dissociative adsorption and
Au(III) ions reduction

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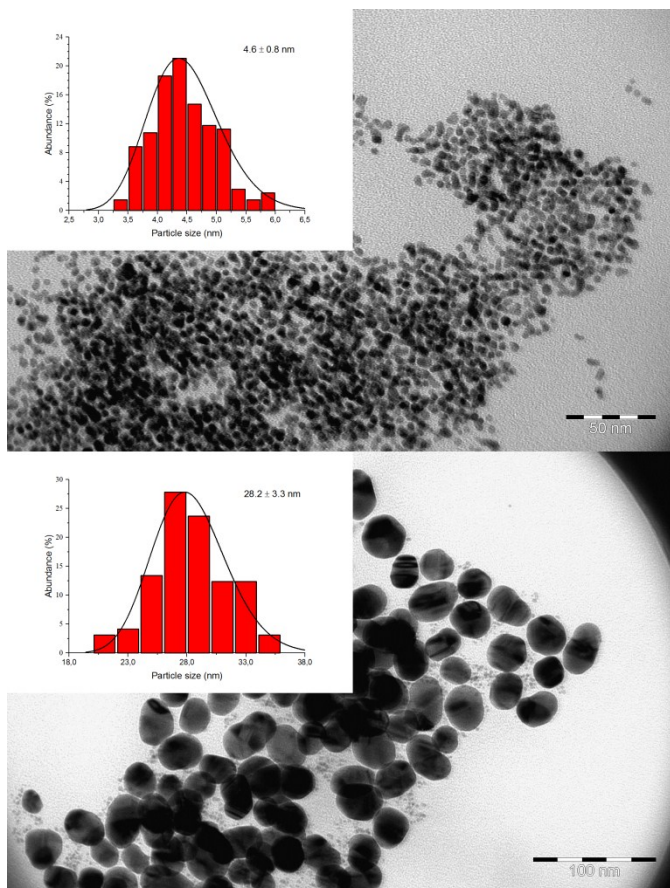


Fig. S1. TEM images and size distributions of the gold nanoparticles with different size.

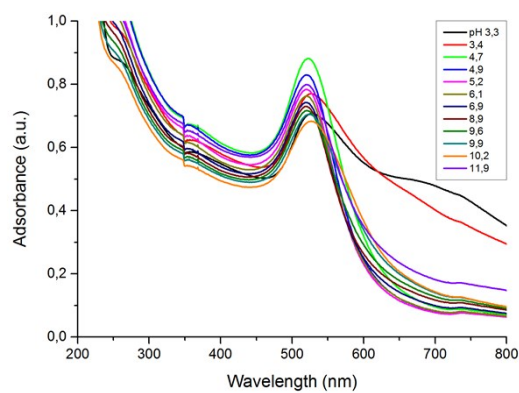


Fig. S2. Optical absorption spectra of gold nanoparticles with average size a 4.6 nm at various pH.

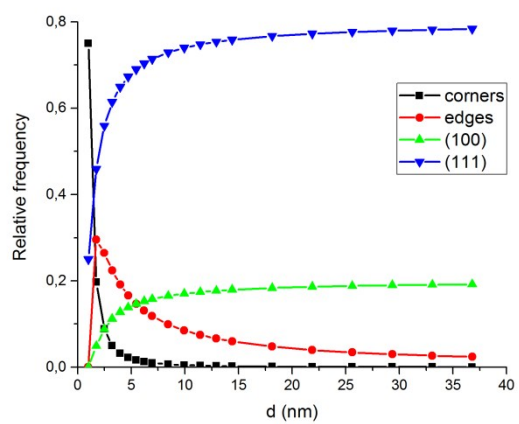


Fig. S3. Dependence of relative frequency of surface atoms upon diameter of gold dodecahedron.

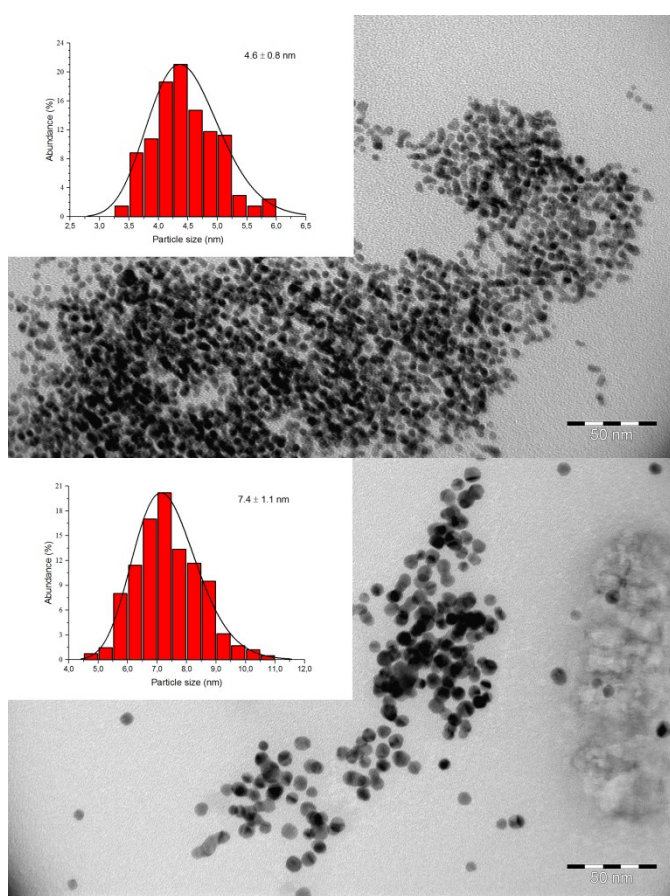


Fig. S4. TEM images and size distributions of gold nanoparticle before and after catalytic reaction.