

Supporting Information for

**Mild temperature synthesis of gold nanoplates using
polyethyleneimine and their improved surface enhanced Raman
signal**

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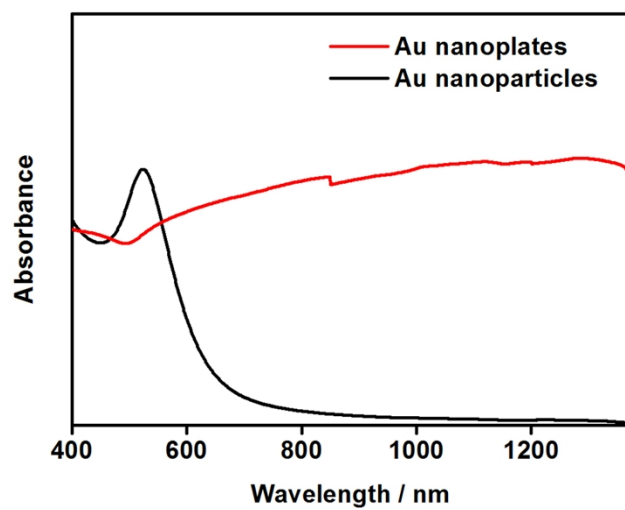


Fig. S1. UV-vis spectra of Au nanoplates shown in Fig. 1 and Au nanoparticles shown in Fig. 4(a).

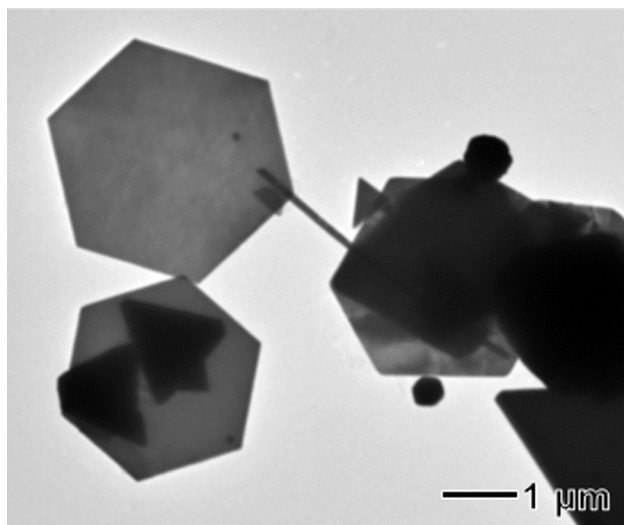


Fig. S2. TEM image of a sample prepared under same conditions as those in Fig. 1, except synthesis was conducted in presence of BPEI having smaller molecular weight (MW ~ 25,000) instead of BPEI (MW ~ 750,000).

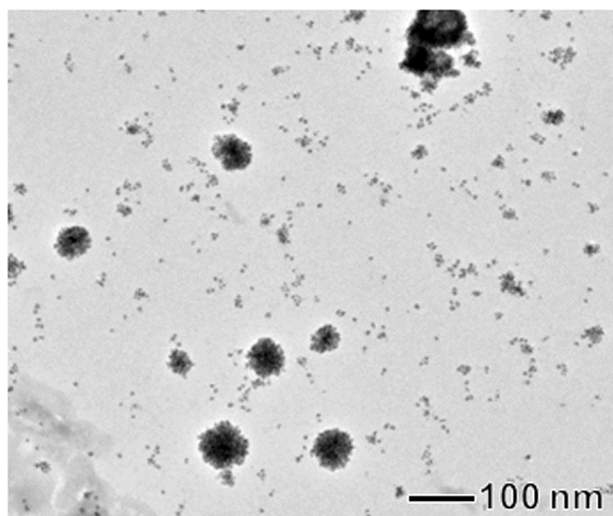


Fig. S3. TEM image of sample prepared under same conditions as those in Fig. 1 except synthesis was conducted in absence of BPEI.

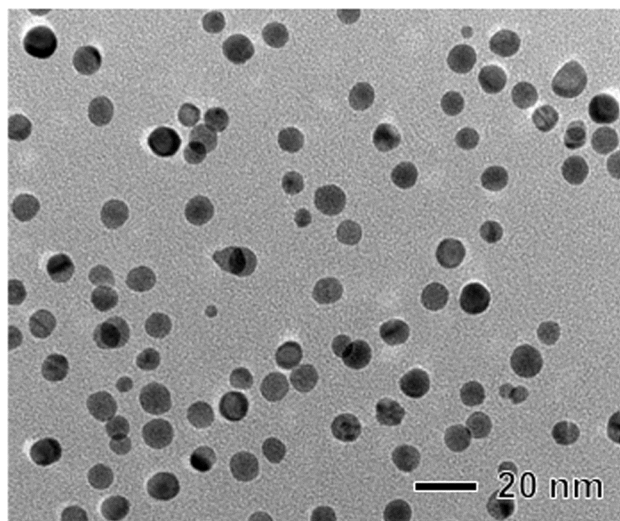


Fig. S4. TEM image of Au nanoparticles synthesized by reacting HAuCl_4 and BPEI.