

Supporting Information

Electrochemical reduction of oriented graphene oxide films: An *in-situ* Raman spectroelectrochemical study

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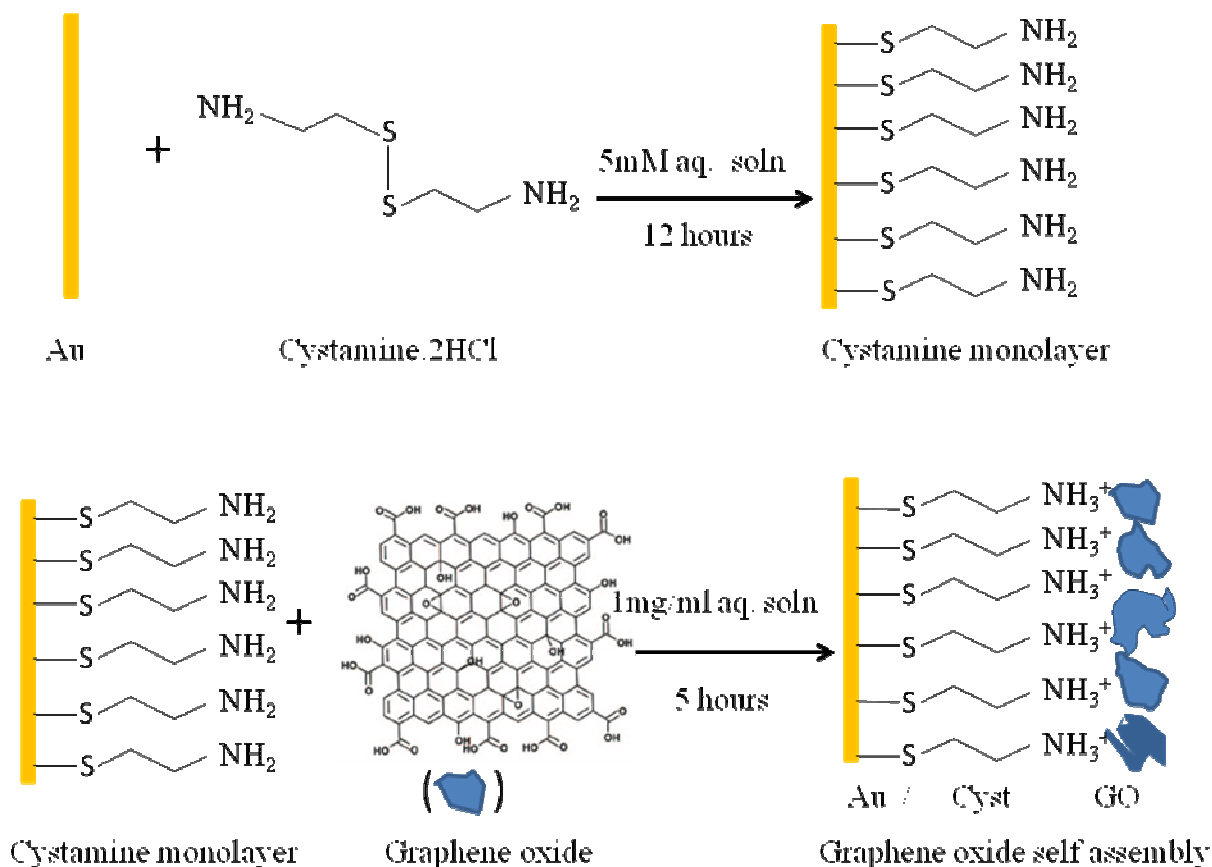
Scheme S1: Schematics of formation of GO film on self assembled monolayer of cystamine on gold substrate.

Scheme S2: Schematic diagram of *in-situ* spectroelectrochemical measurements. The left top corner shows the schematics for the GO SAM with cystamine. The right side shows the photograph of the set-up.

Figure S1: Variation in the intensities of D /G bands as a function of applied potential

Figure S2: C-AFM images of GO before (a and b) and after (c and d) reduction. Images (a) and (c) are C-AFM topography images. Images (c) and (d) are C-AFM current images.

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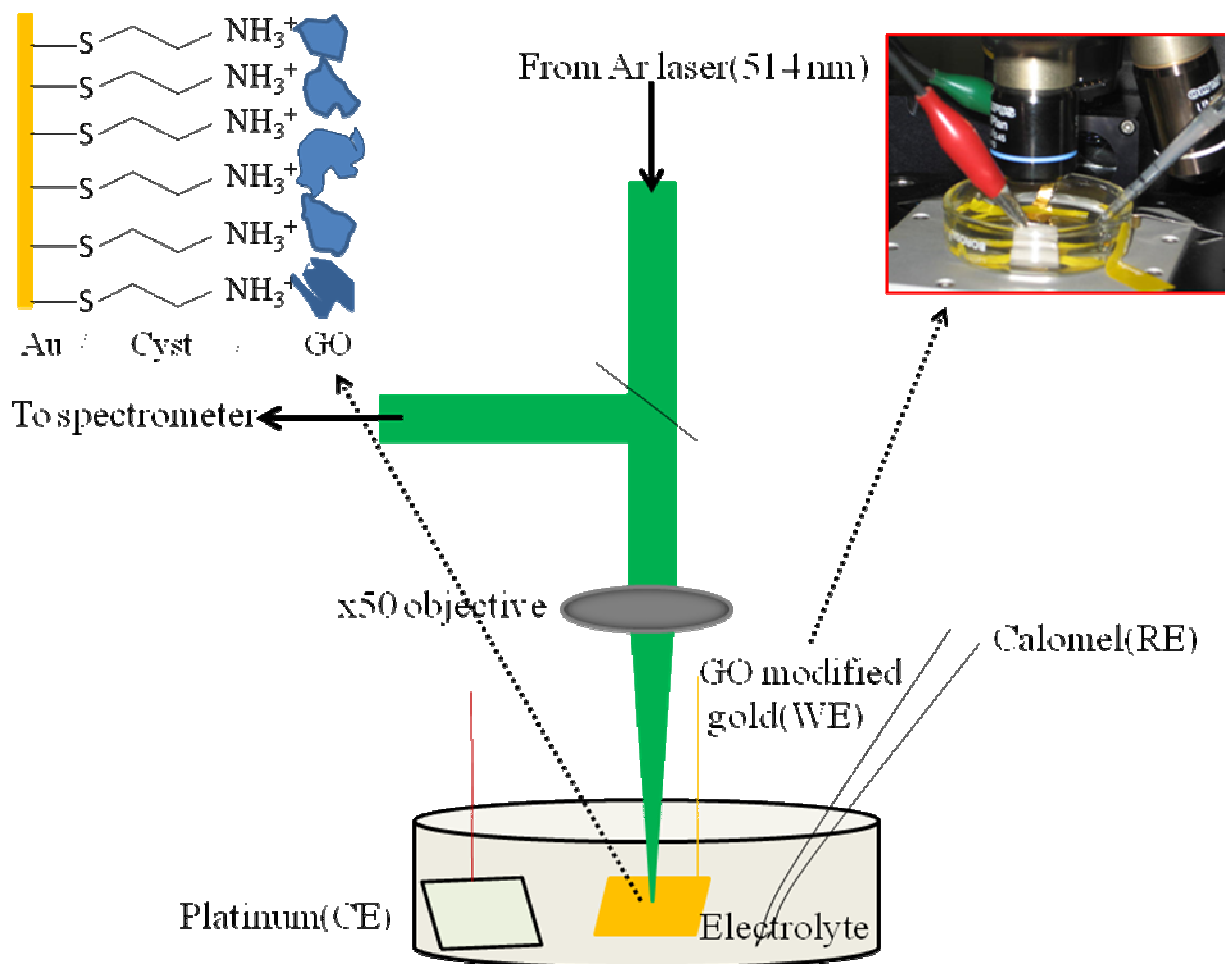


Figure S1: Variation in the intensities of D /G bands as a function of applied potential versus SCE.

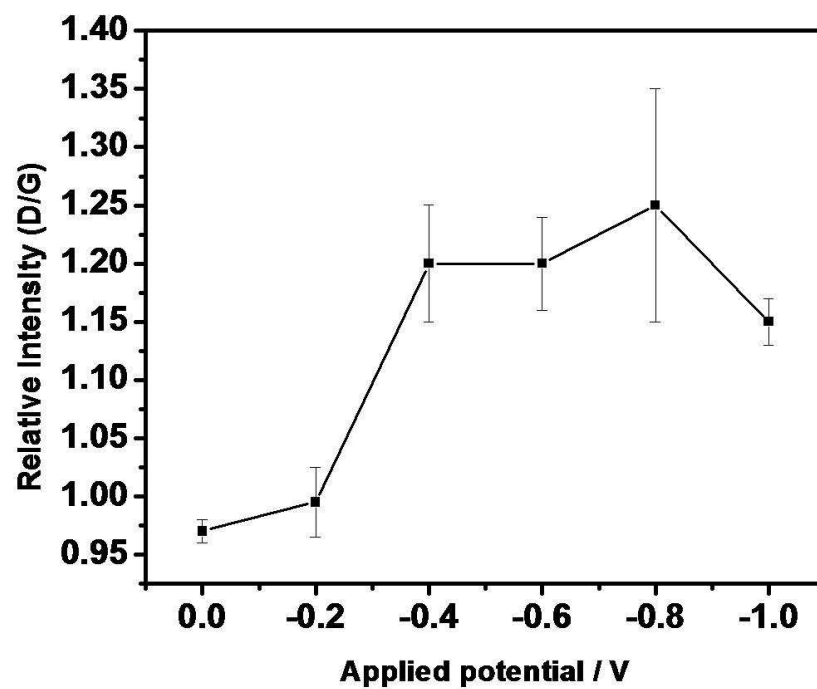


Figure S2: C-AFM images of GO before (a and b) and after (c and d) reduction. Images (a) and (c) are C-AFM topography images. Images (c) and (d) are C-AFM current images. Applied potential 2V.

