

Supporting Materials

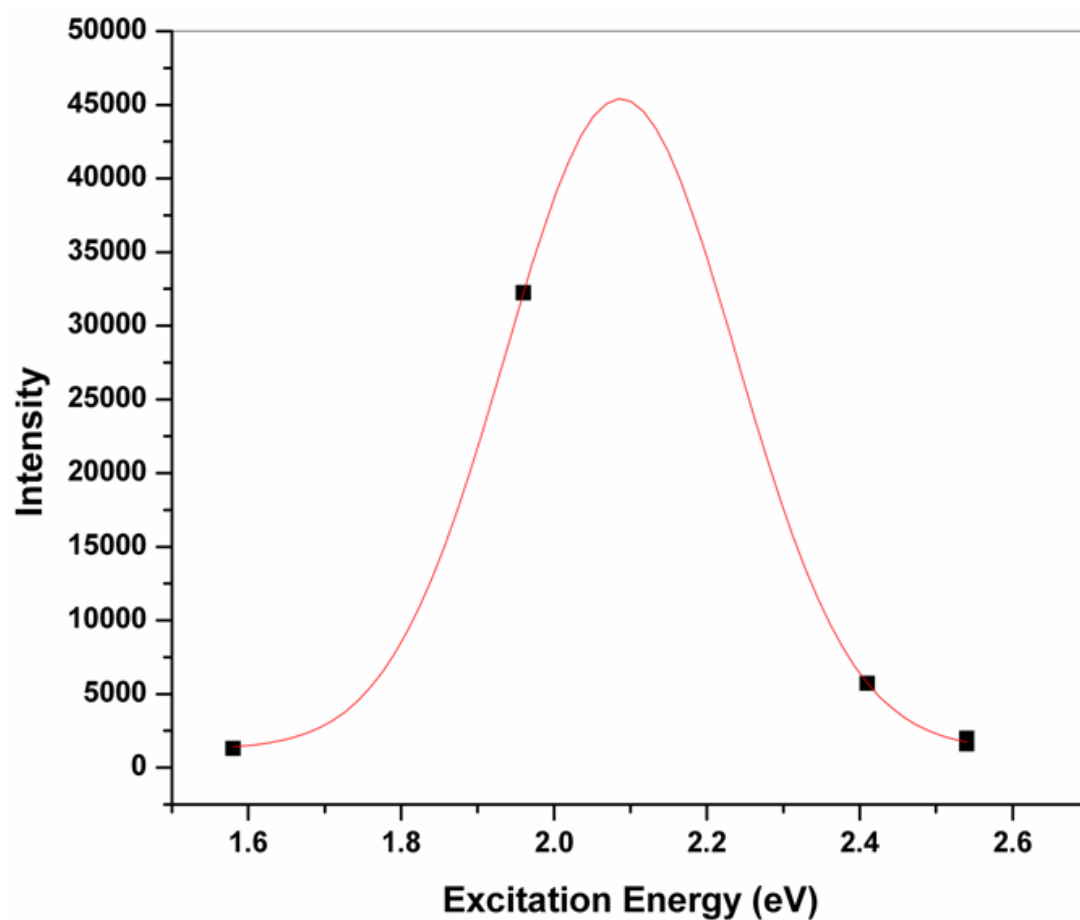


Figure S1: Gaussian fit to excitation profile of the G band in G-Au. The excitation maximum is 2.09 eV and the width is 0.30 eV.

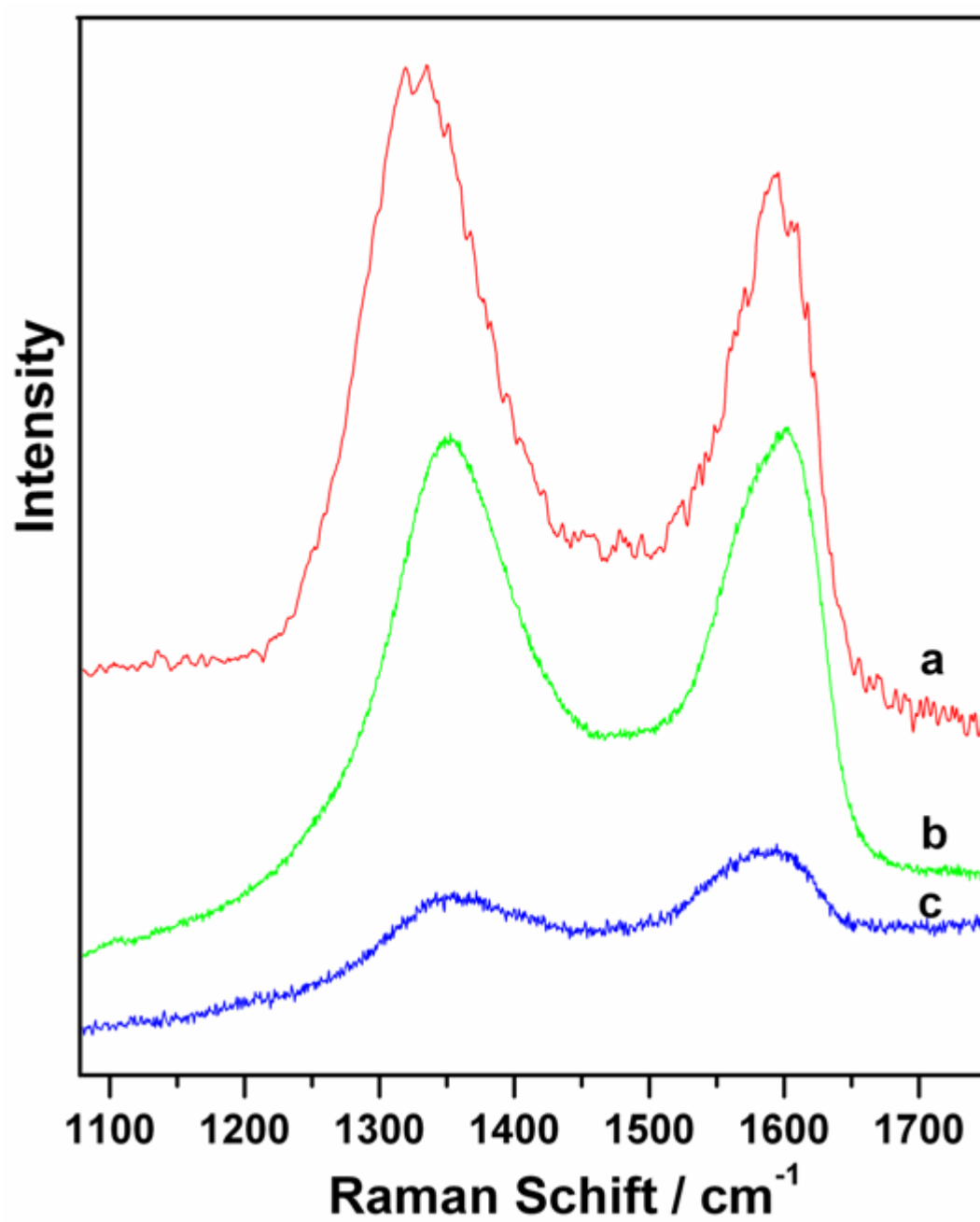


Figure S2. Raman spectra of G-Pd at excitation wavelengths of (a) 632.8 and (b) 514.5 nm, and Raman spectrum of (c) GO at 514.5 nm.

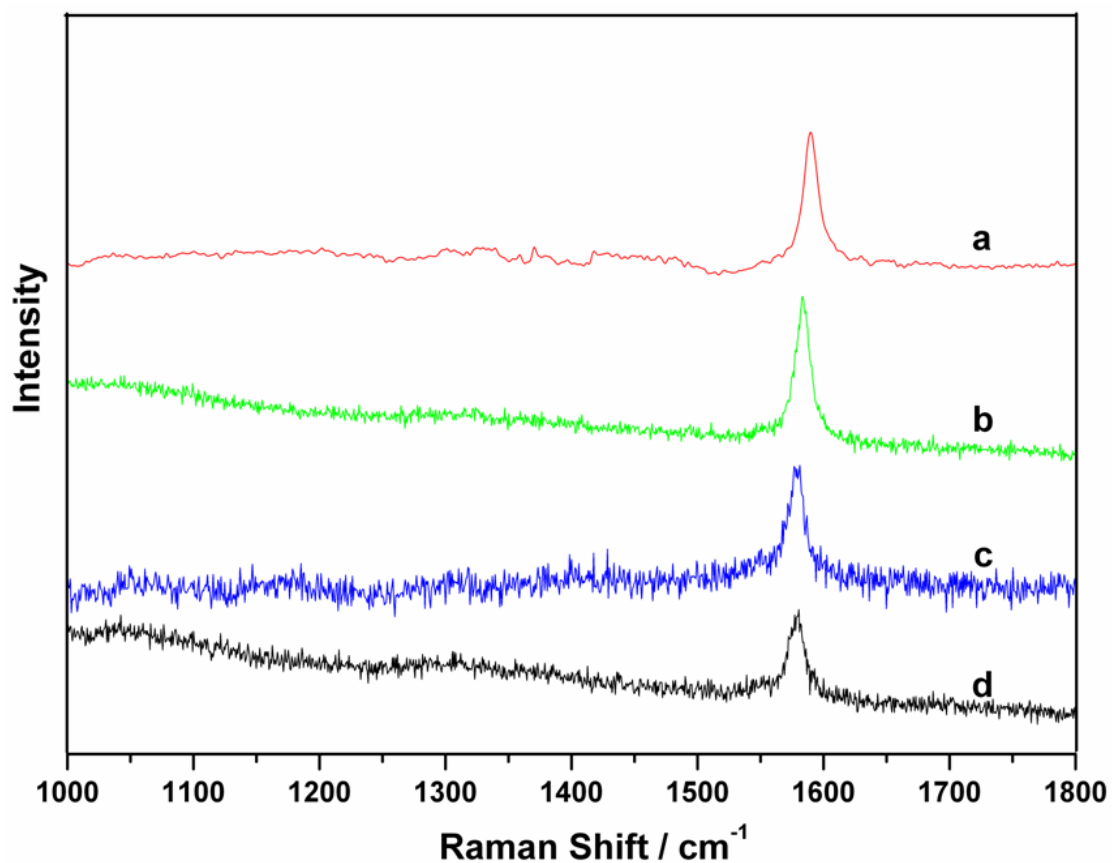


Figure S3. Raman spectra of Graphene with Au nanoparticles dropped on, at excitation wavelengths of (a) 632.8, (b) 514.5 and (c) 488 nm, and Raman spectrum of (d) graphene at 514.5 nm. Note the lack of resonant enhancement, the lack of dispersion with excitation wavelength, and the lack any intensity in the D band.