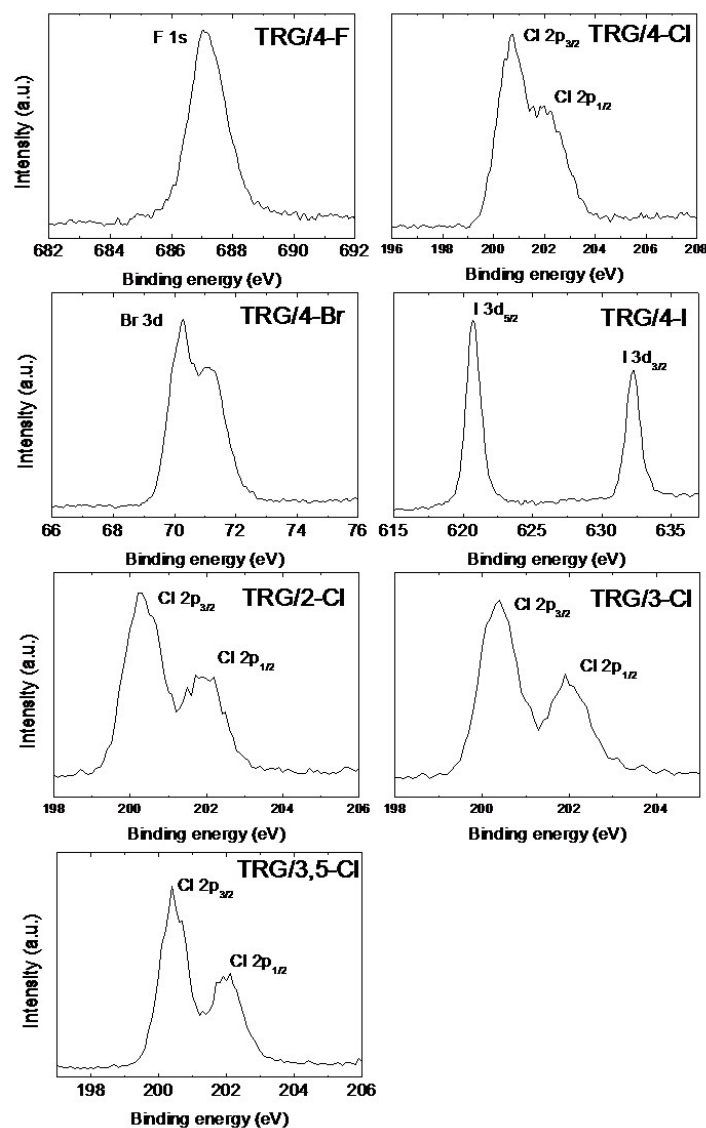


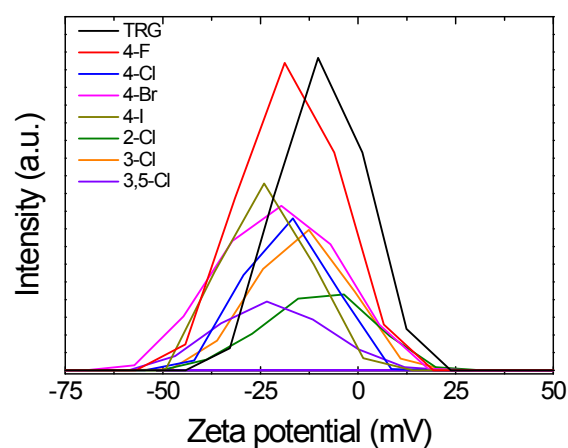
## Supporting information for Nanoscale

### Fine tuning of graphene properties using modification with aryl halogens

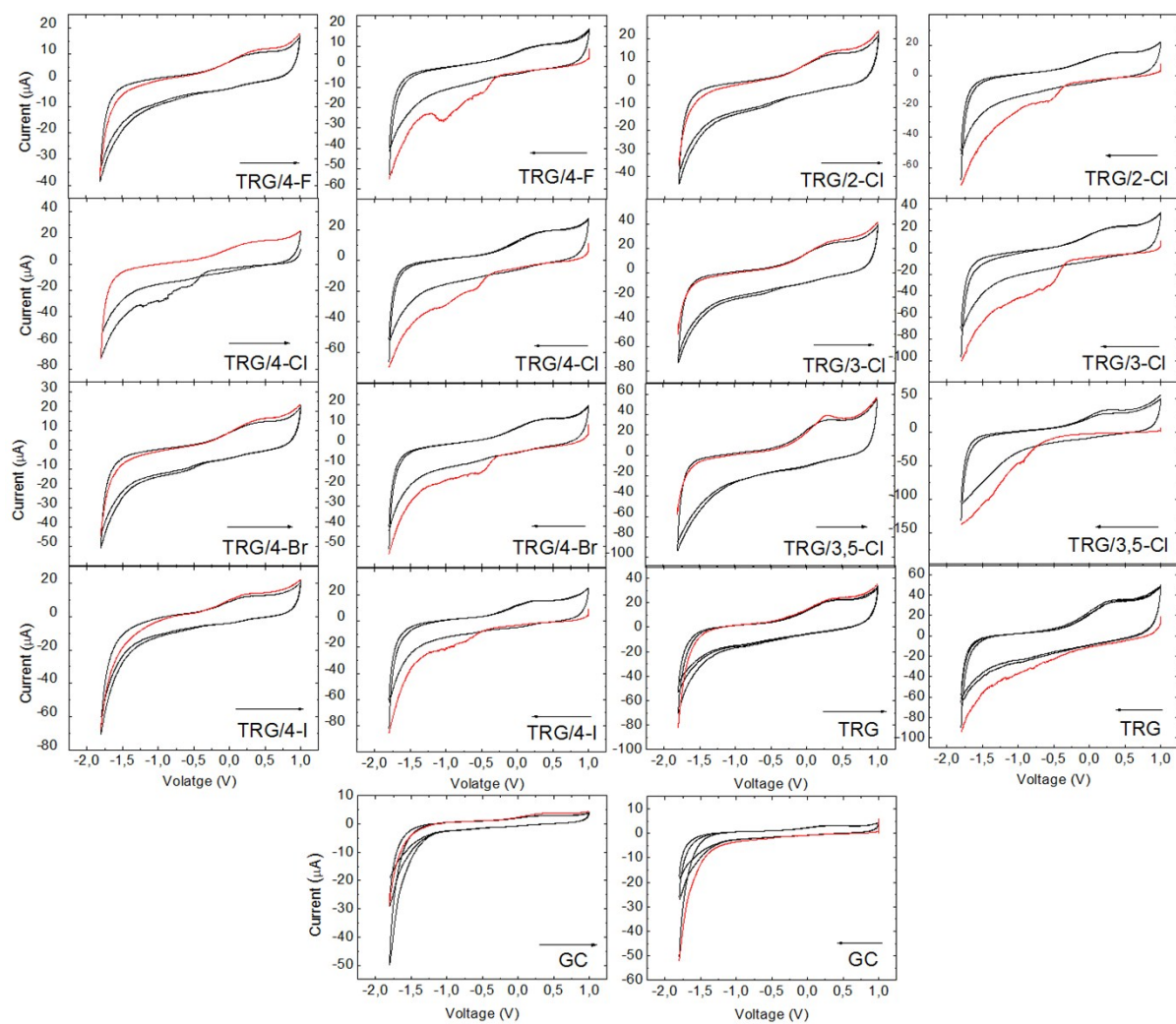
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**Figure SI 1.** High-resolution XPS spectra of F 1s, Cl 2p, Br 3d and I 3d of the modified graphenes.



**Figure SI 2.** Zeta potential distribution of modified graphenes. The measurement was performed on suspension (1 mg/mL) in 50 mM PBS at pH=7.0.



**Figure SI 3.** Inherent electrochemistry of the modified graphenes by diazonium salts using anodic and cathodic scan.