nanomaterials

MDPI

*Supplementary Materials*

# Tunable Synthesis of Predominant Semi-Ionic and Covalent Fluorine Bonding States on a Graphene Surface

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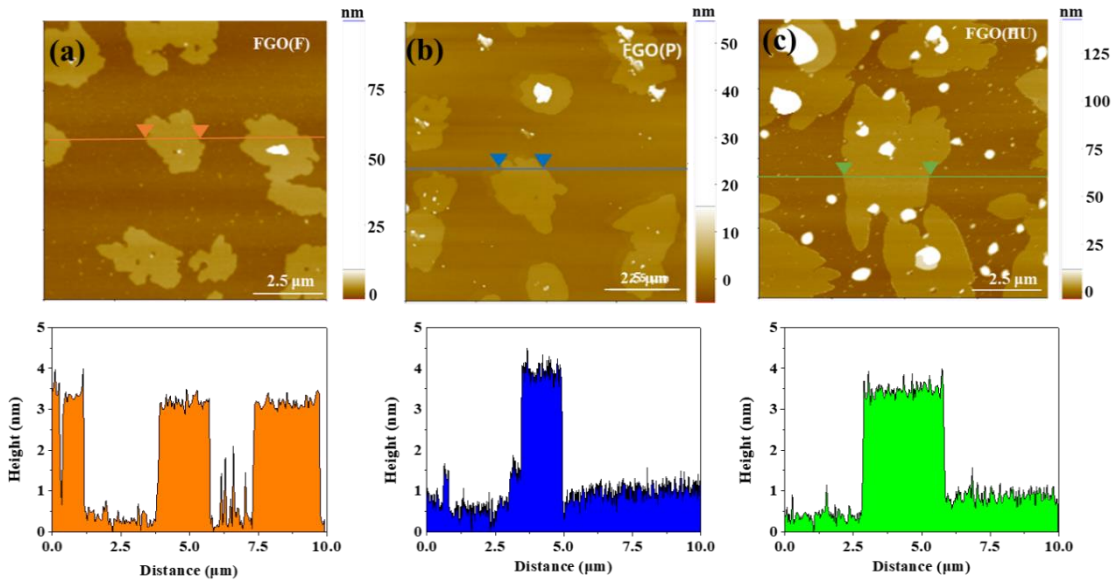


**Figure S1.** Morphology of all of the GOs by AFM: (**a**) FG(F), (**b**) FG(P), and (**c**) FG(HU).

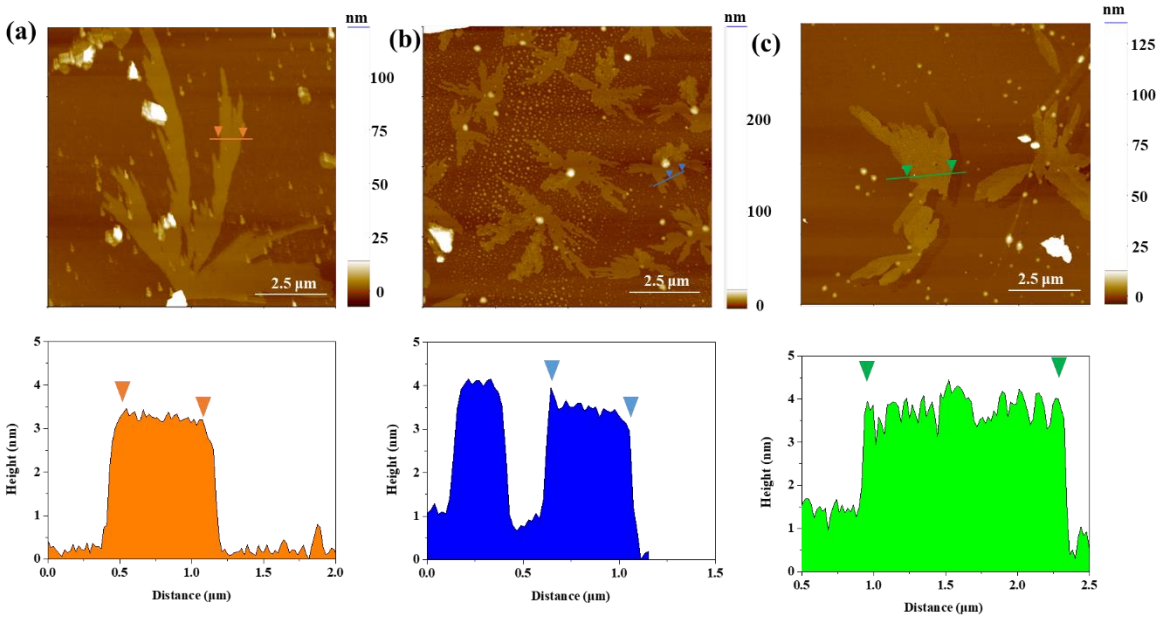


**Figure S2.** Morphology of all of the GOs by AFM: (**a**) GO(F), (**b**) GO(P), and (**c**) GO(HU).

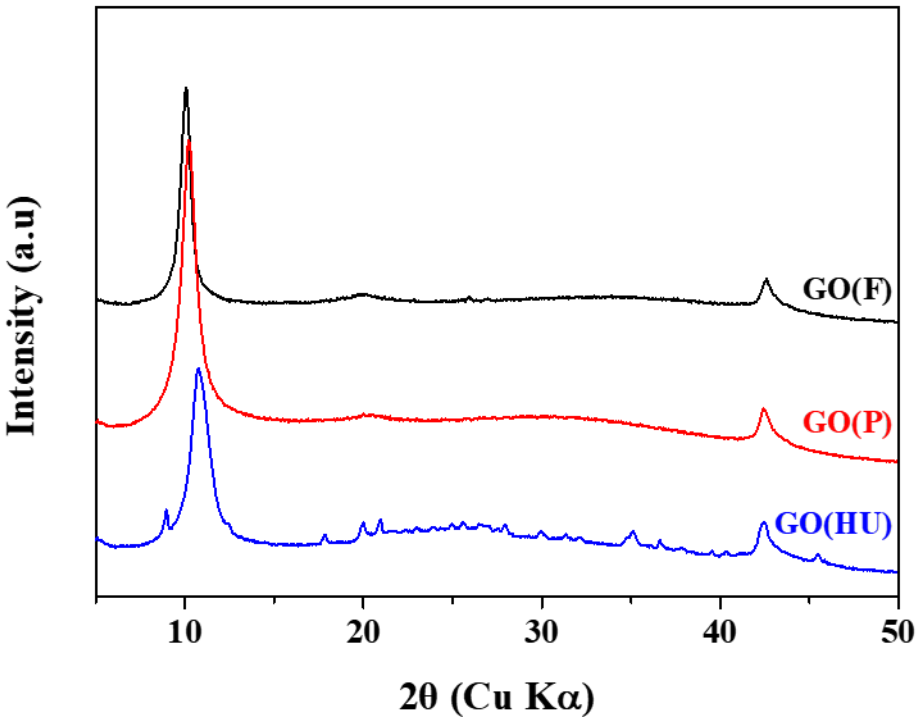


**Figure S3.** X-ray diffraction pattern of GOs.

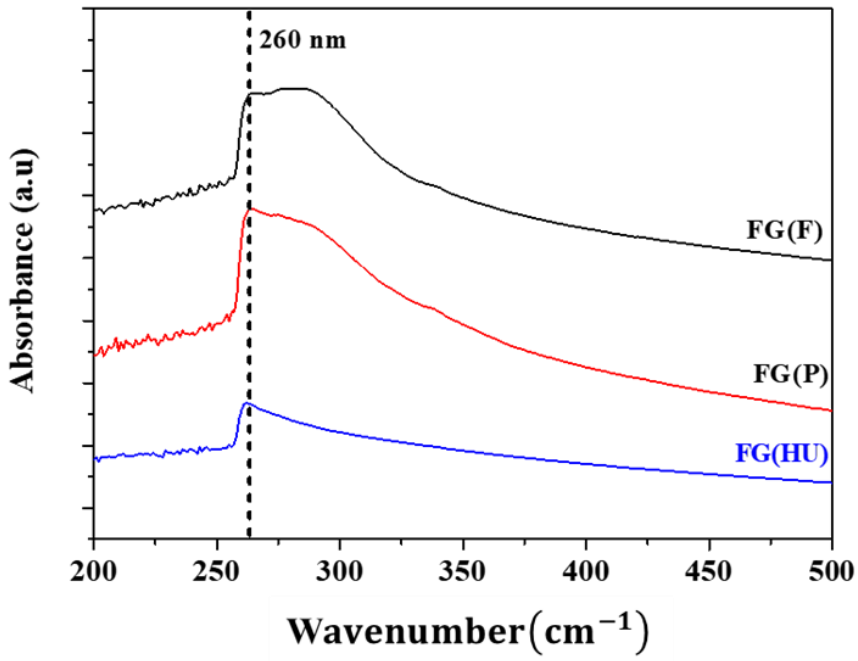


**Figure S4.** UV-vis spectra of FGs.

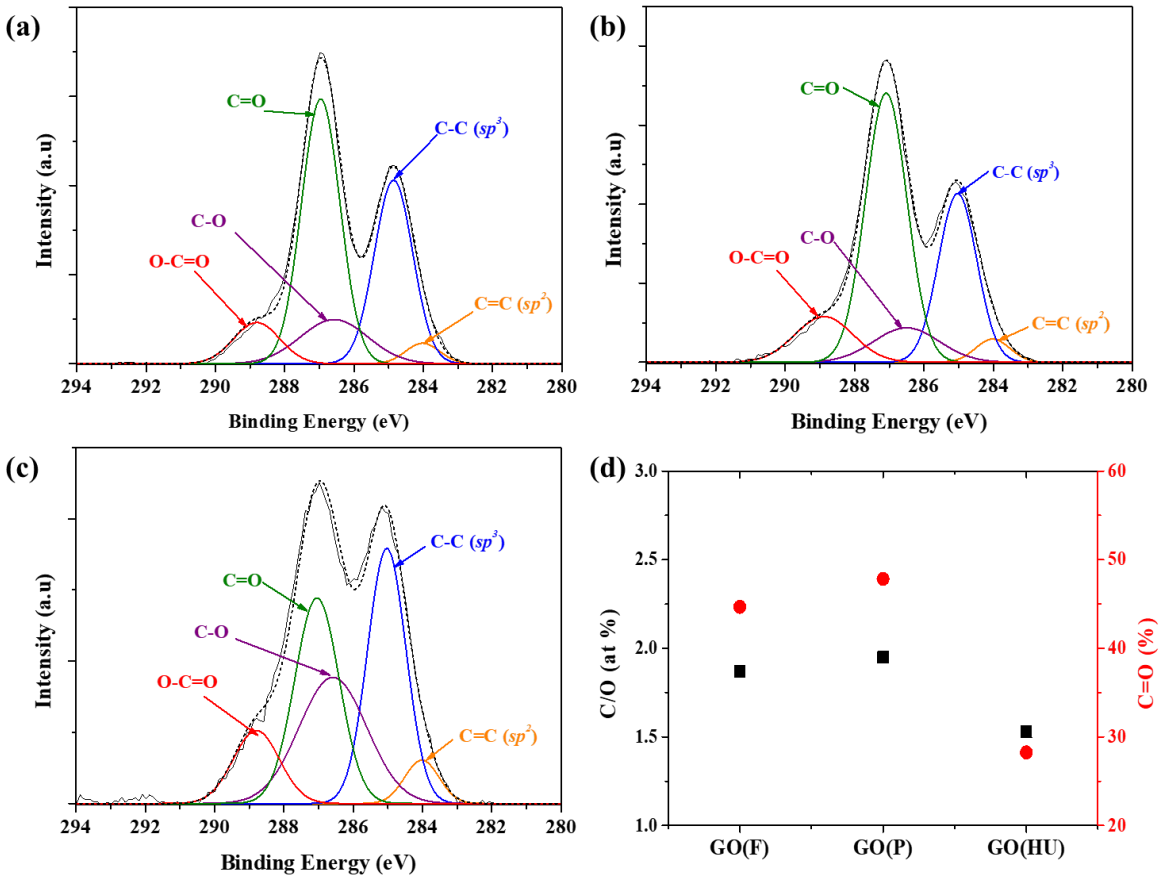


**Figure S5.** XPS spectra of C 1s of GO: (**a**) GO(F), (**b**) GO(P), (**c**) GO(HU), and (**d**) ratio of C/O and O=C (%).