

## Supporting information

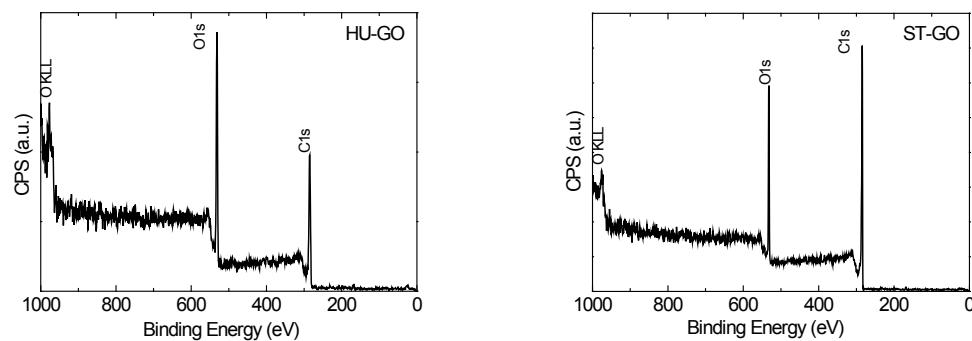
### Water-soluble Highly Fluorinated Graphite Oxide

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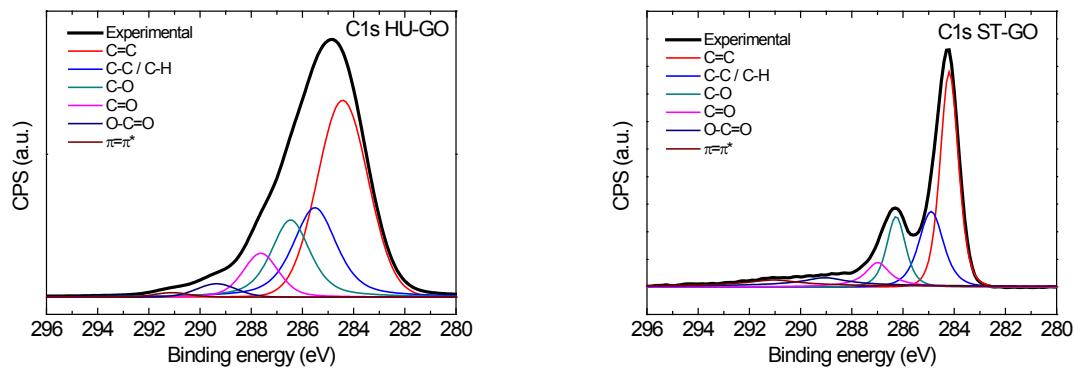
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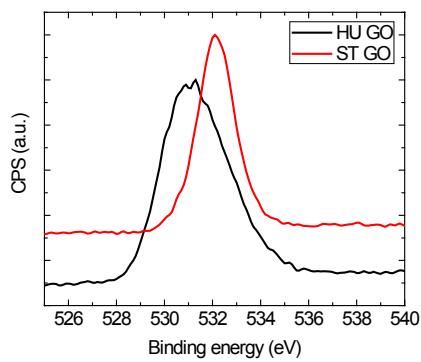
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**Figure S1.** Wide-range XPS spectra of graphite oxides ST-GO and HU-GO.



**Figure S2.** Detail of high resolution XPS spectra of graphite oxides C 1s peak for ST-GO and HU-GO samples used for fluorinations.



**Figure S3.** Detail of high resolution XPS spectra of graphite oxides O 1s peak for ST-GO and HU-GO samples used for fluorinations.