

## Electronic supplementary information

### Surface functionality analysis by Boehm titration of graphene nanoplatelets functionalized via a solvent-free cycloaddition reaction

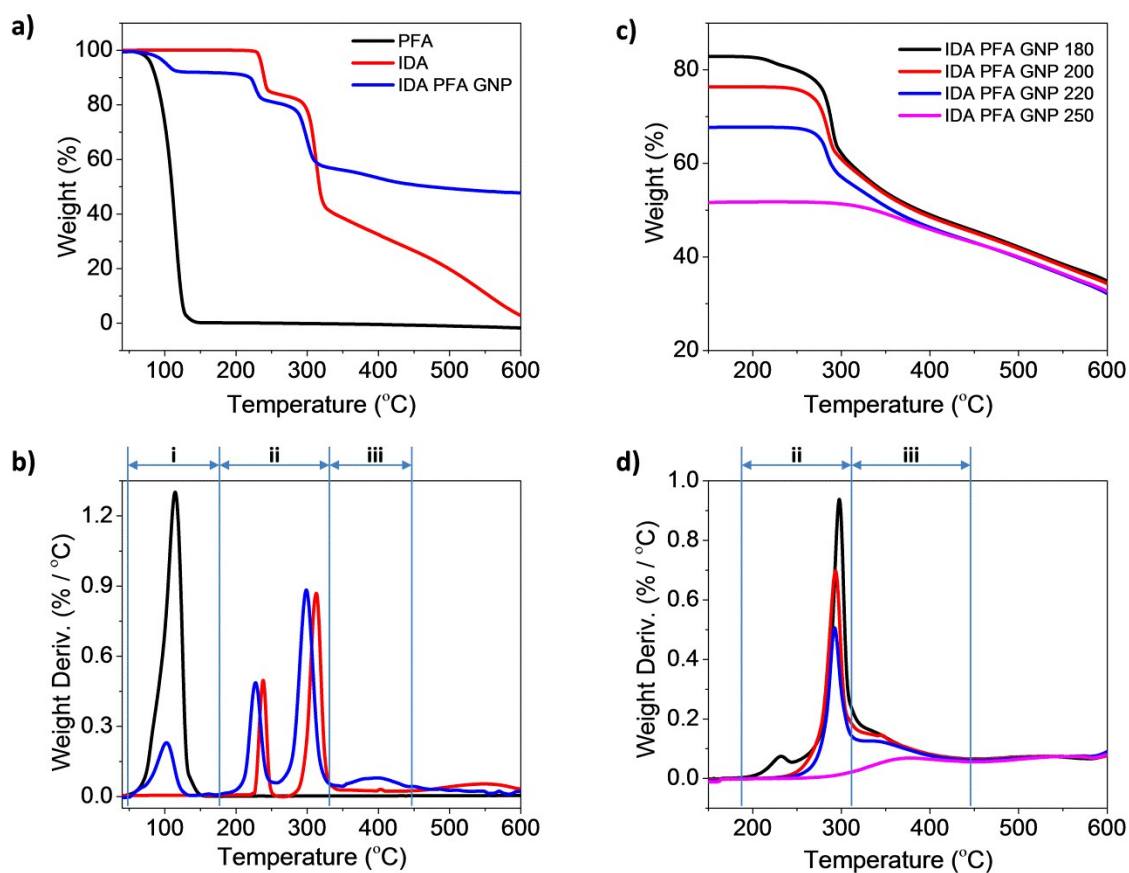
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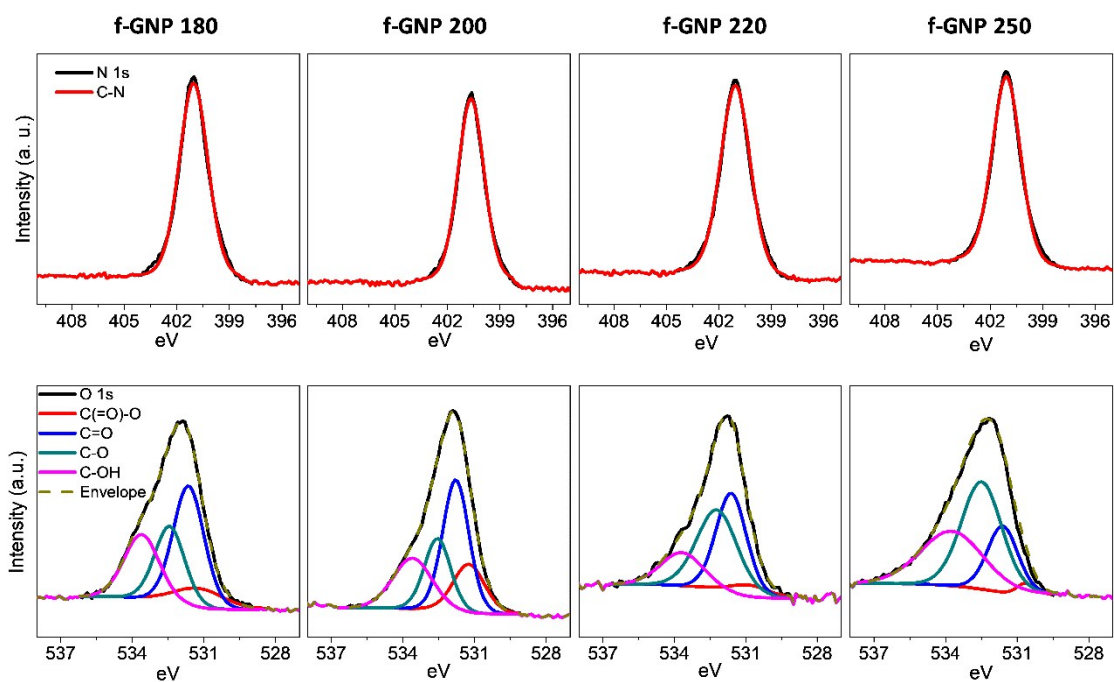
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**Figure S 1:** Thermal gravimetric analysis under an N<sub>2</sub> stream of: a) PFA, IDA and IDA PFA GNP mixture; b) IDA PFA GNP mixture after isothermal processes of 5h at 180 °C, 200 °C, 220 °C and 250 °C; c) weight derivative against temperature of a); d) weight derivative against temperature of b).



**Figure S 2:** N 1s and O1s high resolution spectra of the f-GNPs

**Table S 1:** Atomic concentration (%) of the O 1s components for the f-GNPs

	<b>C(=O)-O</b>	<b>C=O</b>	<b>C-O</b>	<b>C-OH</b>
<b>f-GNP 180</b>	10.29	40.47	24.77	24.47
<b>f-GNP 200</b>	17.35	39.19	2.19	22.27
<b>f-GNP 220</b>	5.59	37.37	39.81	17.22
<b>f-GNP 250</b>	1.71	20.20	43.75	34.34