

ESI

ESI Table 1.

De-convolution of the functional group percentages *via* XPS for RGO

<i>Functional group</i>	at%	Binding energy (eV)
<i>C-C or C-H and C-graphite</i>	71.55	284.7
<i>C-O/C-OH</i>	14.98	286.39
<i>C=O</i>	4.05	288.2
<i>O-C=O</i>	5.01	533.61
<i>OH or ester</i>	3.12	531.85
<i>Oxygen (inorganic)</i>	1.29	530.49

ESI Figure 1.

XPS spectra of RGO on SPE, (A) C1s fitted spectrum, (B) O1s fitted spectrum and (C) full XPS spectrum of the sample.

