Electronic Supplementary Material (ESI) for Nanoscale.

SI: Towards graphene iodide: Iodination of graphite oxide

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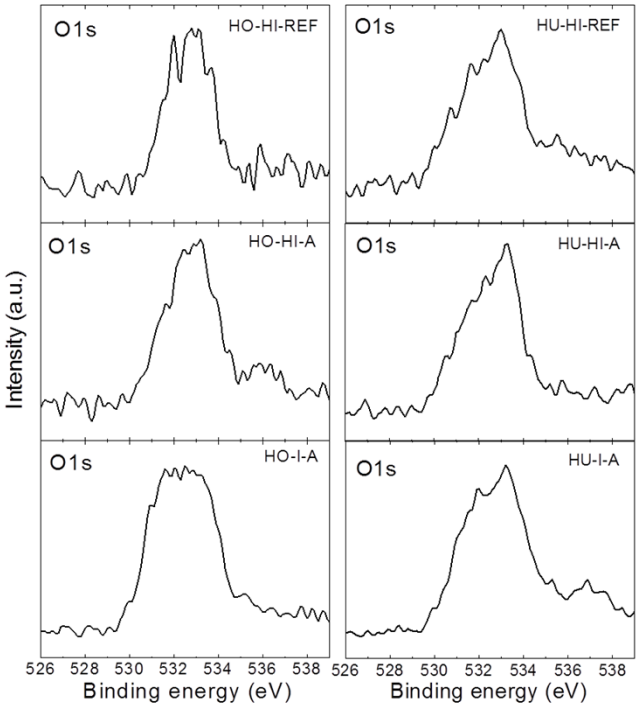

Figure SI1 Detailed O1s spectra of iodinated graphenes

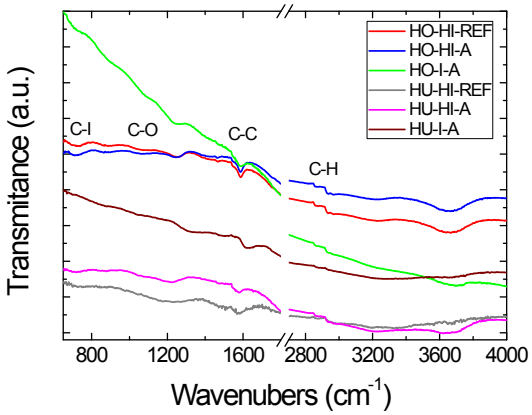

Figure SI2 ATR-FTIR spectra of iodinated graphenes

Table SI1 Elemental composition of iodinated graphenes obtained by elemental combustible analysis in at. %

Sample	C	H	N	I	O
HO-HI-REF	56.54	25.49	0.00	3.30	14.67
HO-HI-A	52.26	27.56	0.00	3.22	16.97
HO-I-A	81.27	27.56	0.00	2.26	10.80
HU-HI-REF	85.11	6.15	0.16	1.40	7.17
HU-HI-A	92.35	1.44	0.00	1.01	5.19
HU-I-A	72.40	12.13	0.90	1.86	12.70

Table SI2 D/G ratios and crystallite sizes (L_a) calculated from the intensities of the D and G bands

Sample	D/G ratio	L_a
HO-HI-REF	1.04	18.56
HO-HI-A	0.77	25.07
HO-I-A	1.28	15.08
HU-HI-REF	1.47	13.13
HU-HI-A	1.30	14.85
HU-I-A	1.10	17.55

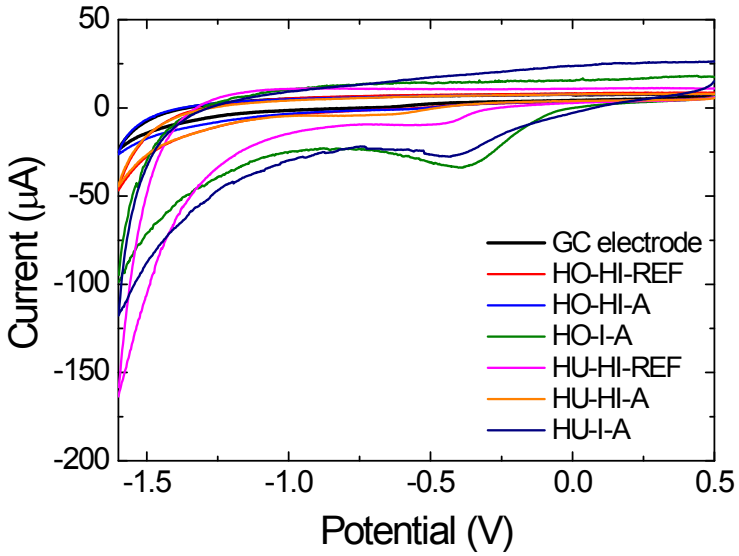

Figure SI3 Inherent electrochemistry of iodinated graphenes and bare glass carbon electrode for comparison