

The XPS survey spectra for GO and RGO reduced at various conditions are shown in Figure S1.

The reduction effect could be clearly observed since the content of oxygen (O) atoms of RGO significantly reduces compared with GO.

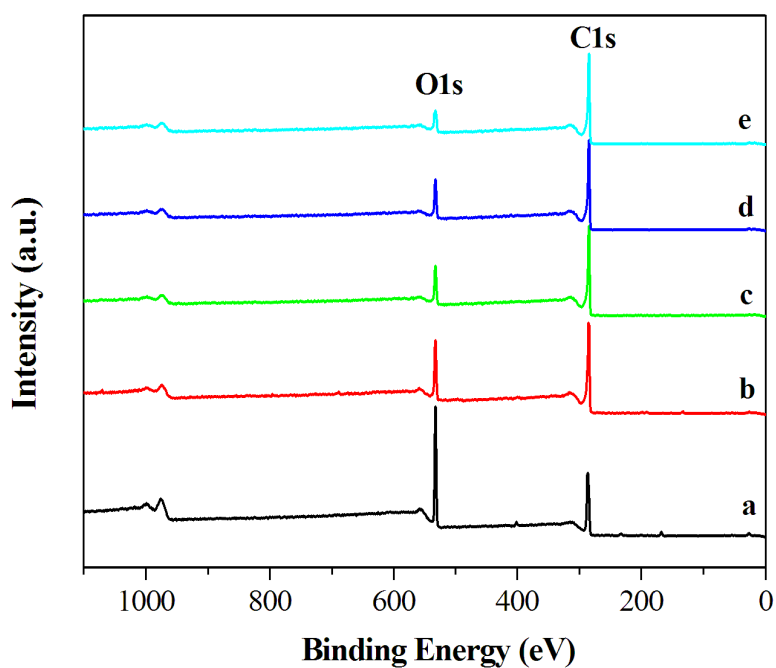


Figure S1. XPS survey spectra of GO and RGO: (a) GO; (b) reduced at 25 °C for 72 h; (c) reduced at 60 °C for 48 h; (d) reduced at 80 °C for 12 h and (e) reduced at 90 °C for 3 h.