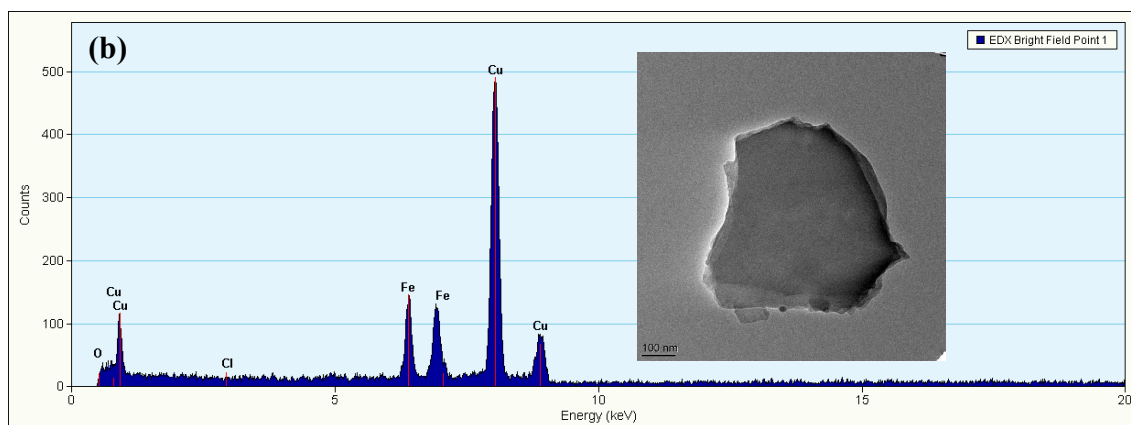
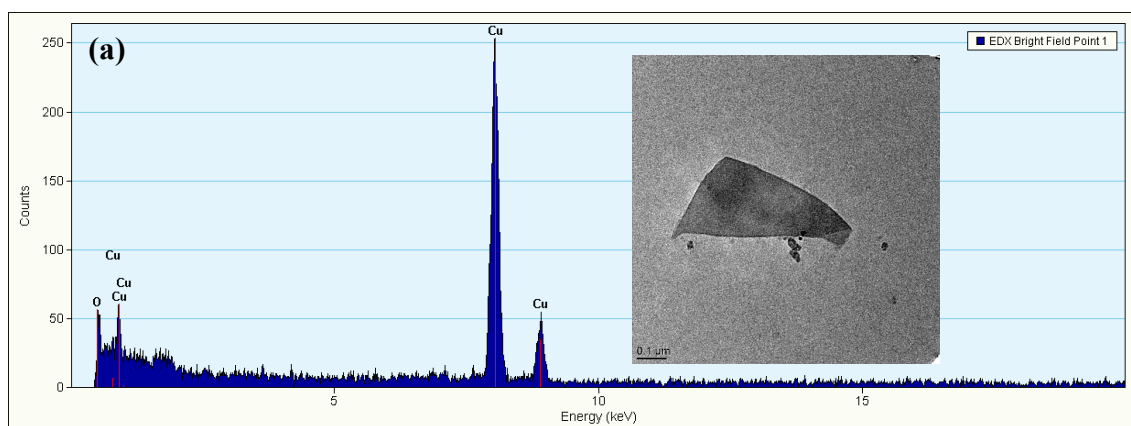


Supporting Information

Graphene Oxide and Reduced Graphene Oxide Hybrids with Spin Crossover Iron(III) Complexes

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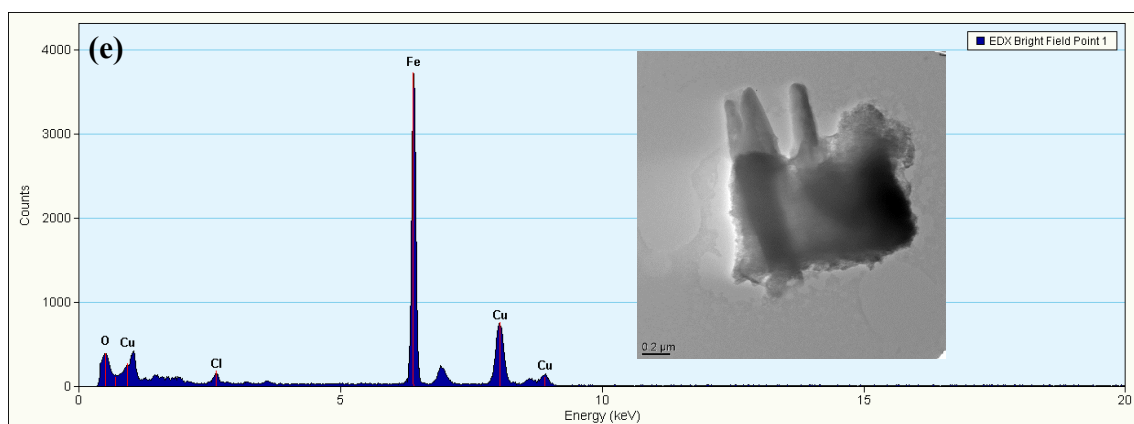
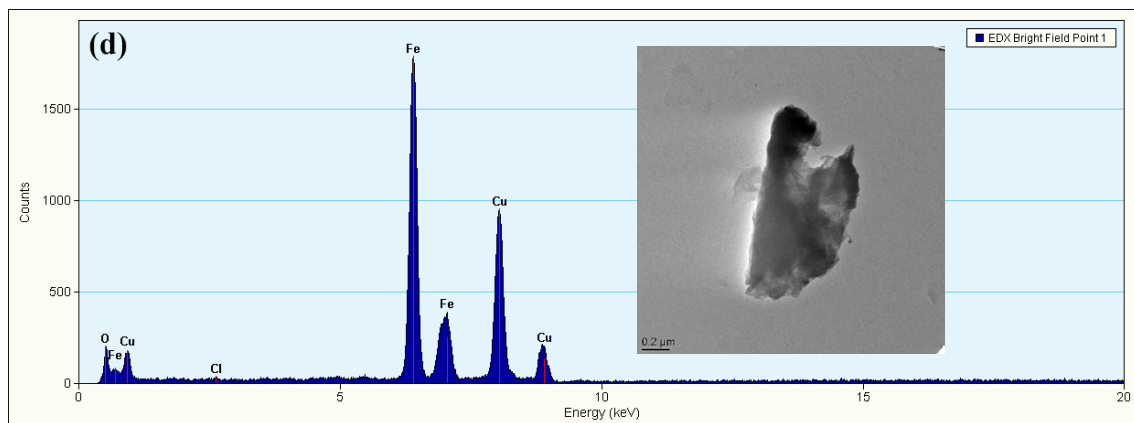
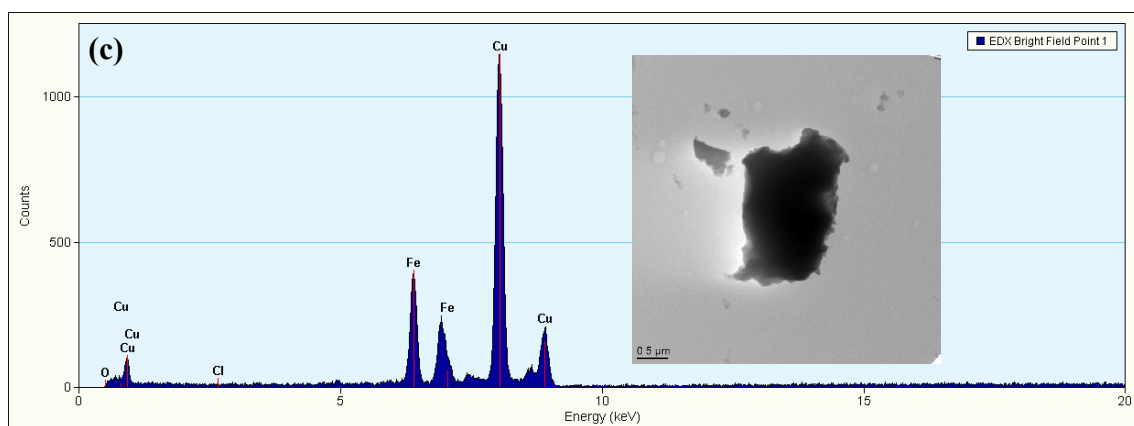


Figure S1. TEM-energy dispersive X-ray spectroscopy (EDS) of (a) GO, (b) 1-GO, (c) 1-rGO (d) 2-GO (e) 2-rGO. (Insets) High Resolution TEM images. To perform transmission electron microscopy (TEM; FEI Co., Tecnai G² F20, 200 kV), one drop of the aqueous nanosheet suspension was deposited on a holey carbon film.

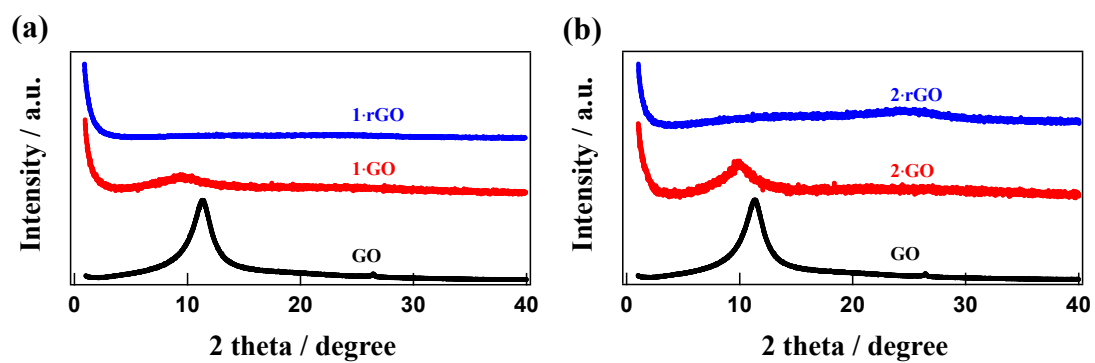


Figure S2. PXRD pattern for (a) GO, 1-GO and 1-rGO, (b) GO, 2-GO and 2-rGO.

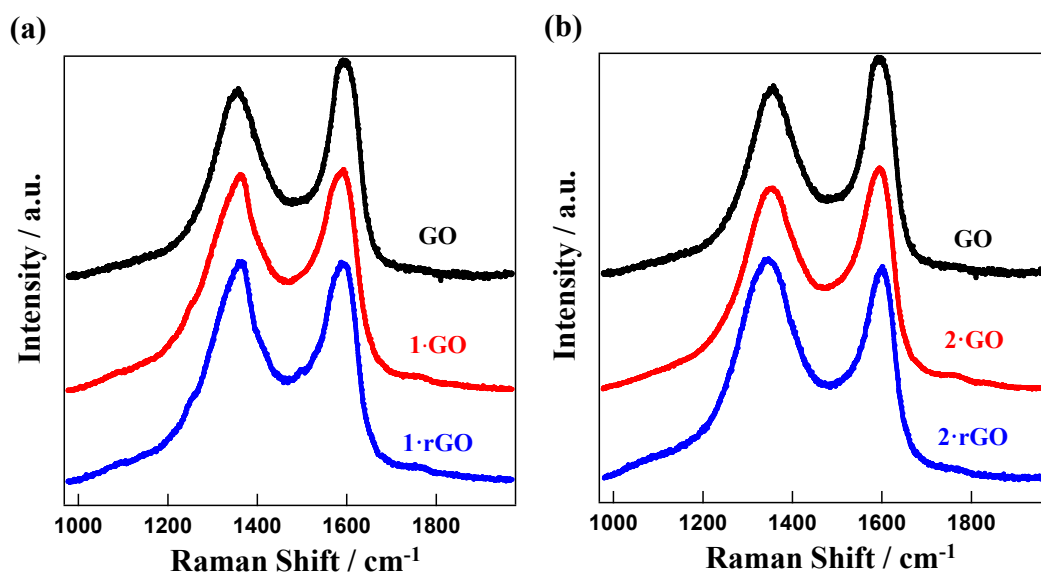


Figure S3. Raman spectra for (a) GO, 1·GO and 1·rGO, (b) GO, 2·GO and 2·rGO. The D and G band position in Raman Spectra are around 1350 and 1590 cm⁻¹, respectively.

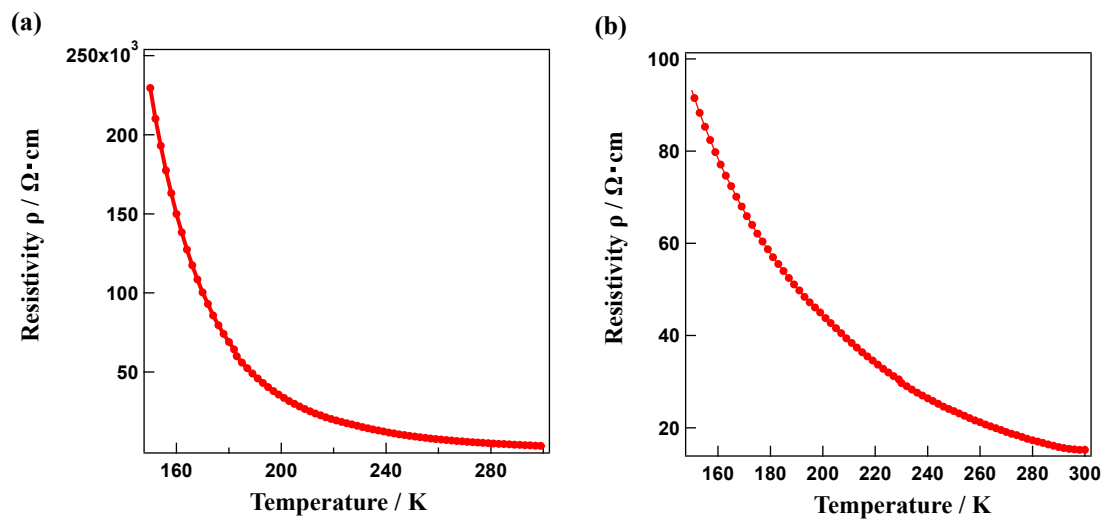


Figure S4. Temperature dependent resistivity for (a) 1-rGO and (b) 2-rGO.

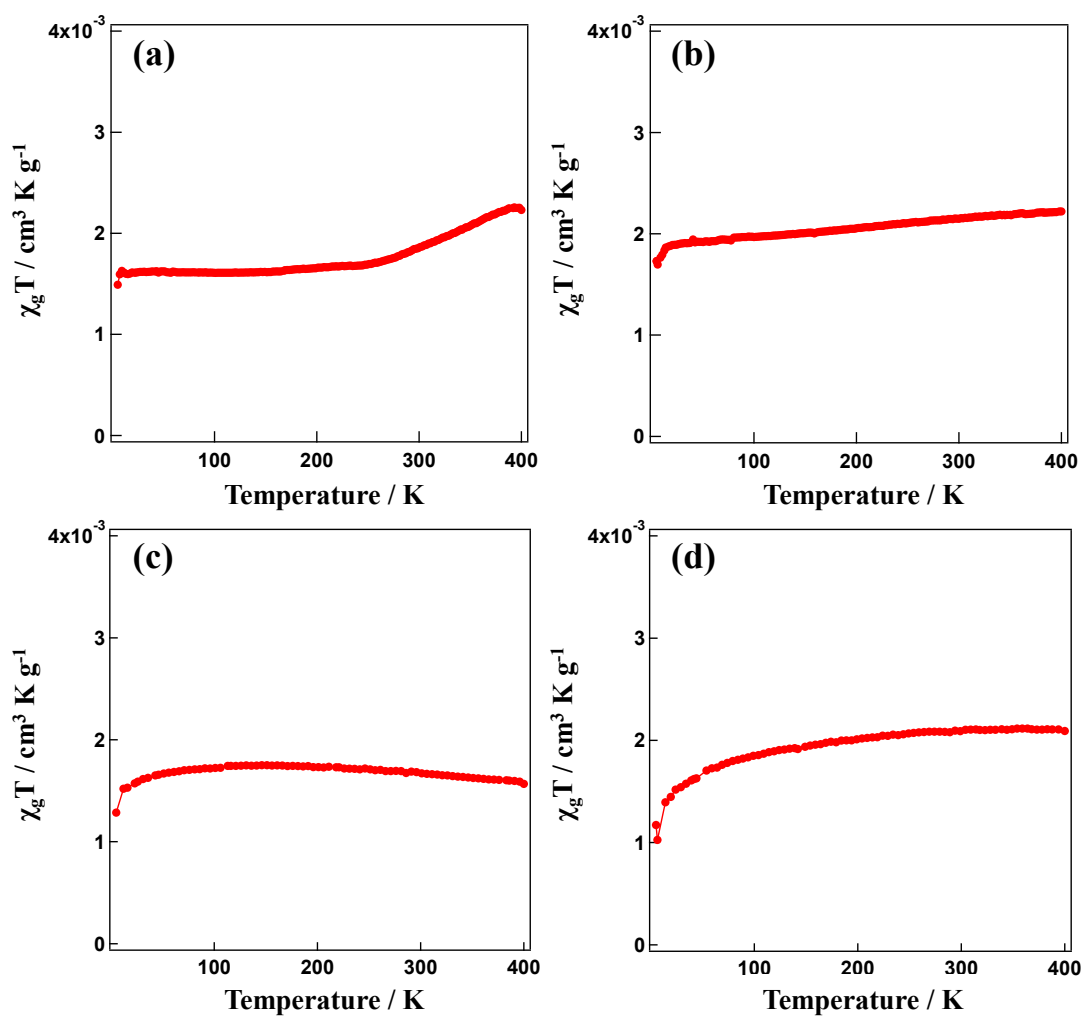


Figure S5. $\chi_g T$ vs T plot for (a) 1·GO and (b) 1·rGO, (c) 2·GO and (d) 2·rGO.

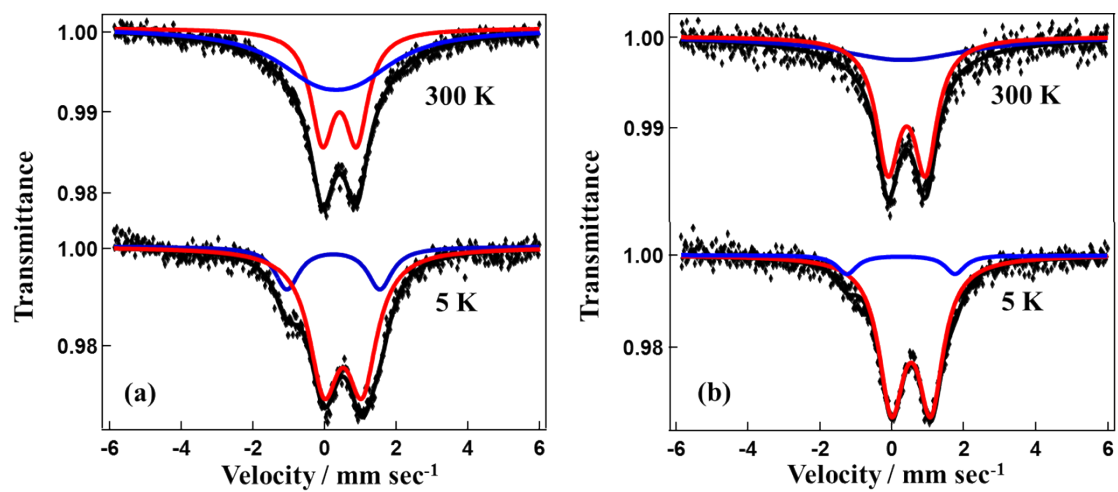


Figure S6. Mössbauer spectra for (a) 2·GO and (b) 2·rGO.