Supporting Information

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

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.