

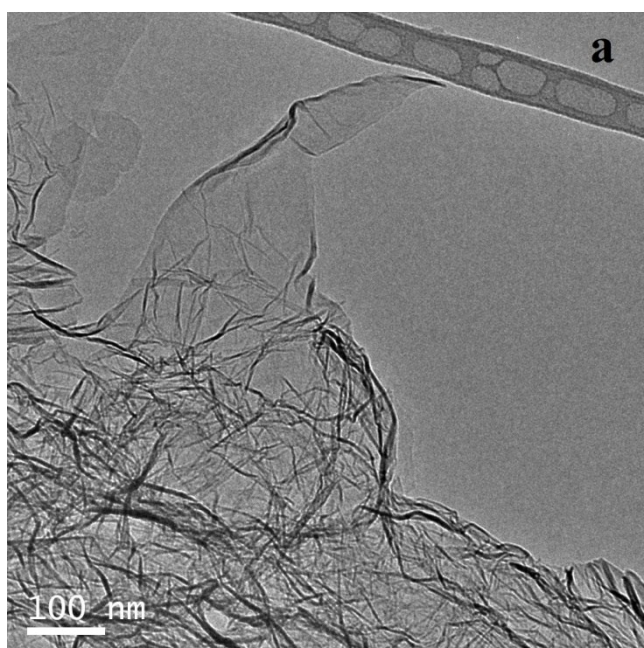
Electronic Supplementary Information

Direct catalytic effect of nitrogen functional groups exposed on graphenic materials when acting cooperatively with Ru nanoparticles

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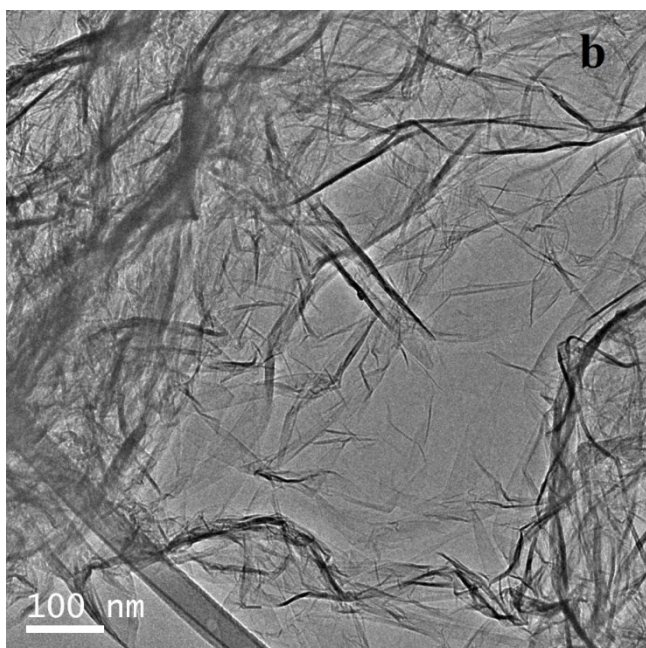


Figure S1. TEM micrograph for (a) rGO (b) NrGO

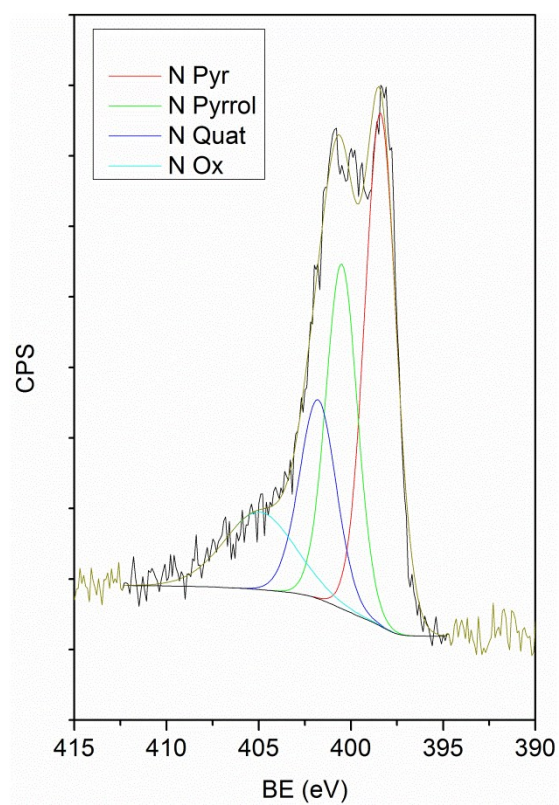


Figure S2. XPS spectra of the N 1s region for NrGO

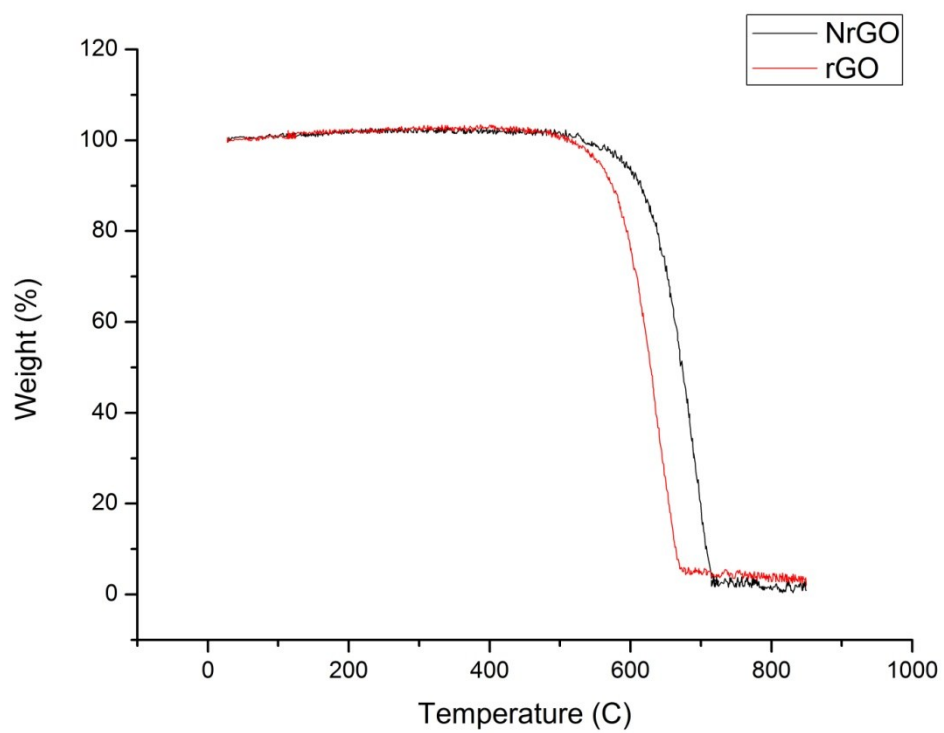


Figure S3. TG analysis under air for rGO ad NrGO

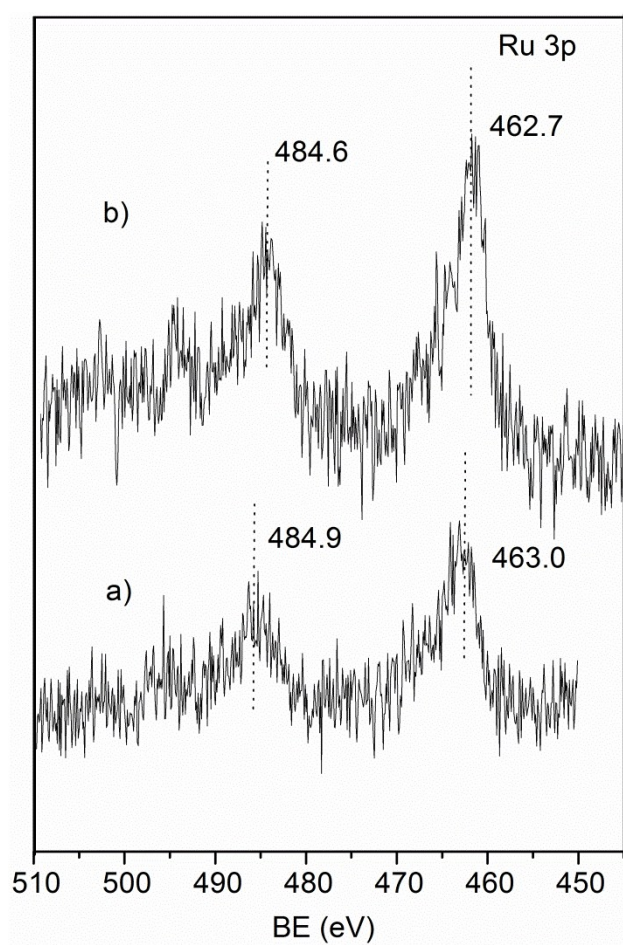


Figure S4. XPS Ru 3p region of the: a) Ru(Cl)/rGO and b) Ru(Cl)/NrGO catalysts.