Electronic supplementary information

Solvent-thermal preparation of $CuCo_2O_4$/RGO heterocomposite: An efficient catalyst for the reduction of *p*-nitrophenol

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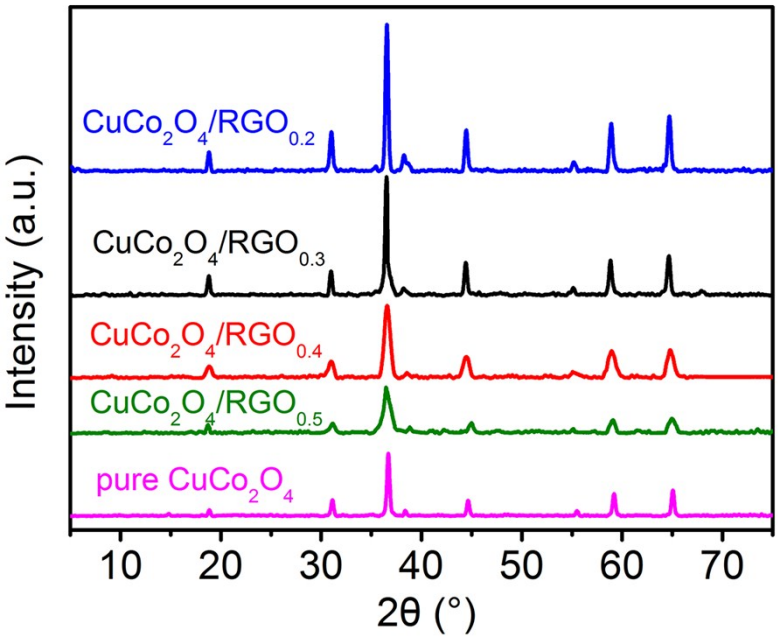

Fig. S1 XRD patterns of different content graphene

Tab. S1 The particle sizes of the different samples

Sample	The particles sizes(nm)
Pure $CuCo_2O_4$	47.9
$CuCo_2O_4/RGO_{0.2}$	27.1
$CuCo_2O_4/RGO_{0.3}$	20.3
$CuCo_2O_4/RGO_{0.4}$	18.3
$CuCo_2O_4/RGO_{0.5}$	14.6

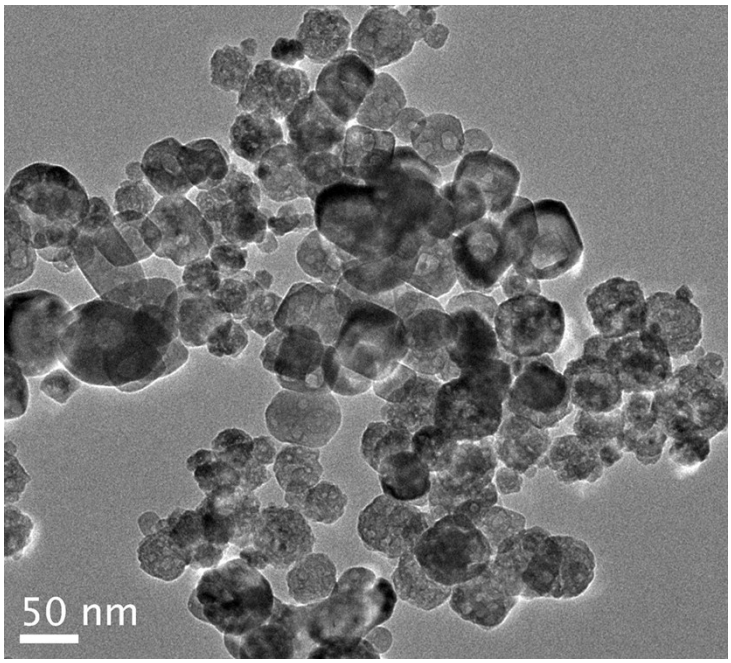

Figure S2. TEM images of pure $CuCo_2O_4$

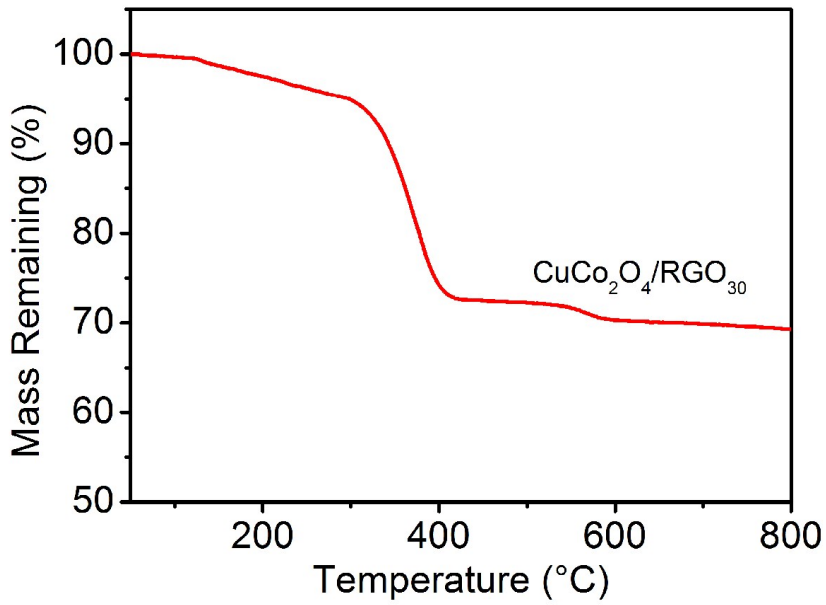

Figure S3 TG curve of the $CuCo_2O_4/RGO_{30}$ composite

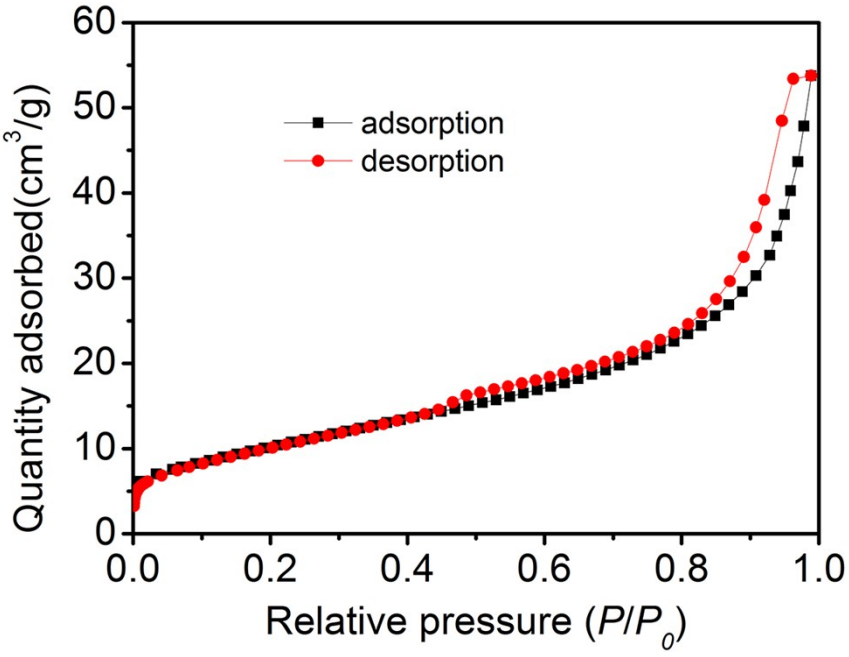

Figure S4 N_2 adsorption–desorption isotherms for pure $CuCo_2O_4$ spinel

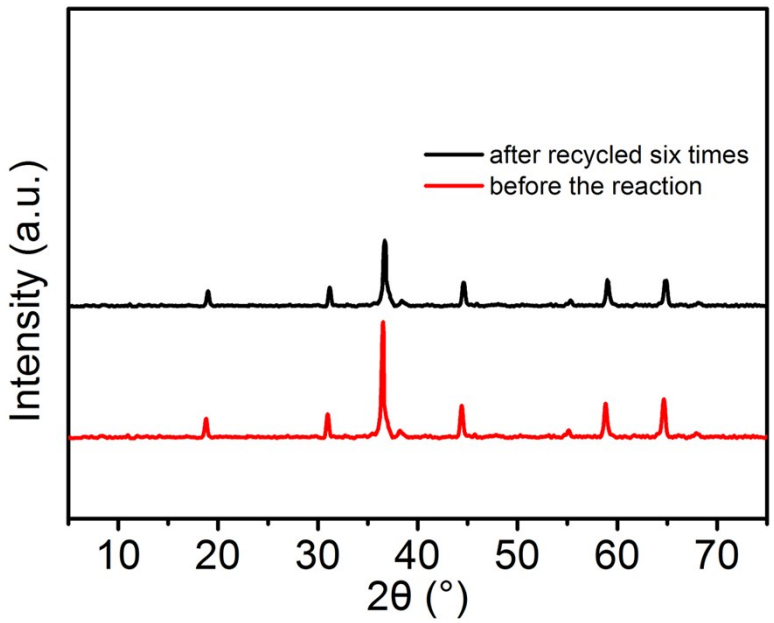

Figure S5 XRD pattern before and after recycled

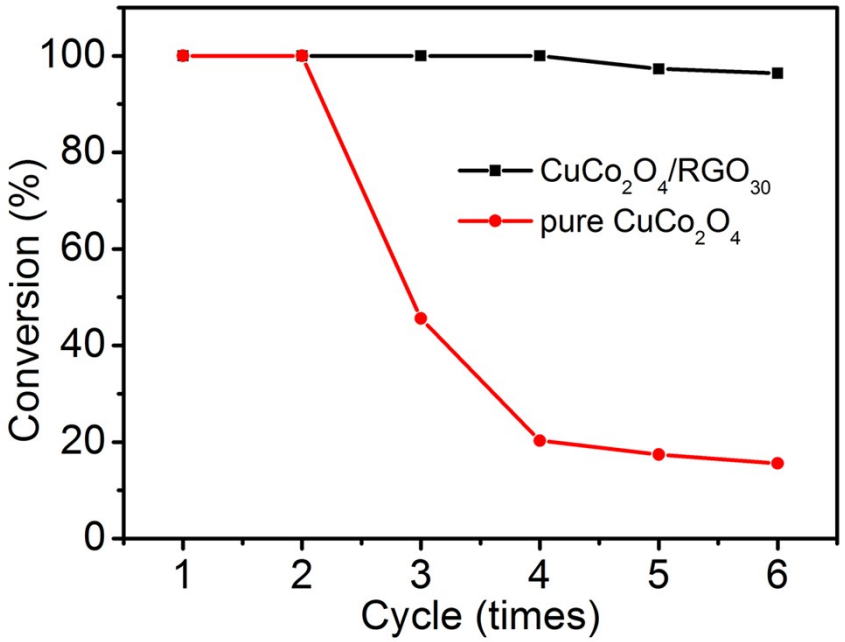

Figure S6 *p*-nitrophenol in six times cycles of reduction