

SUPPLEMENTARY DATA

Magnetically separable and reusable rGO/Fe₃O₄ nanocomposites for the selective liquid phase oxidation of cyclohexene to 1,2-cyclohexane diol

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Supplementary Figures

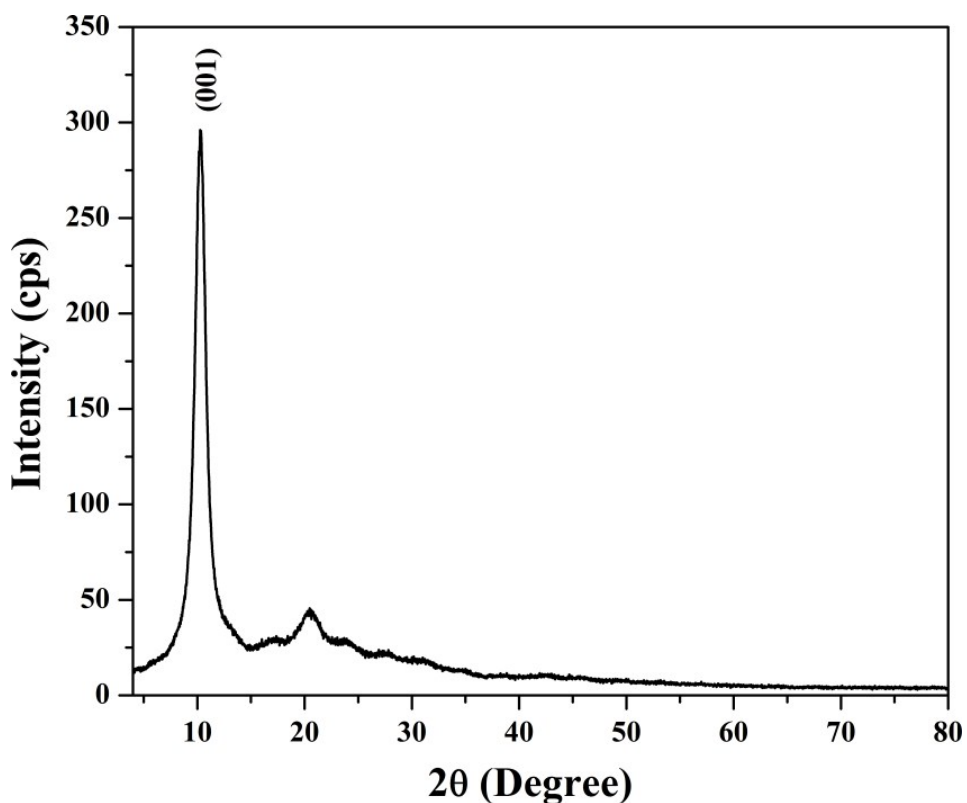


Fig. S1- XRD pattern of the graphite oxide prepared by modified Hummer's method

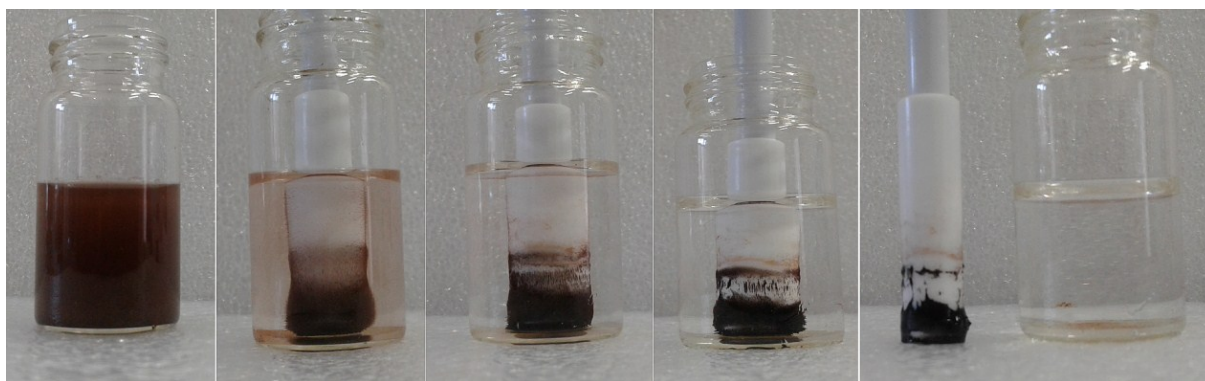


Fig. S2- Photograph of the magnetic separation of the nanocomposites from reaction mixture

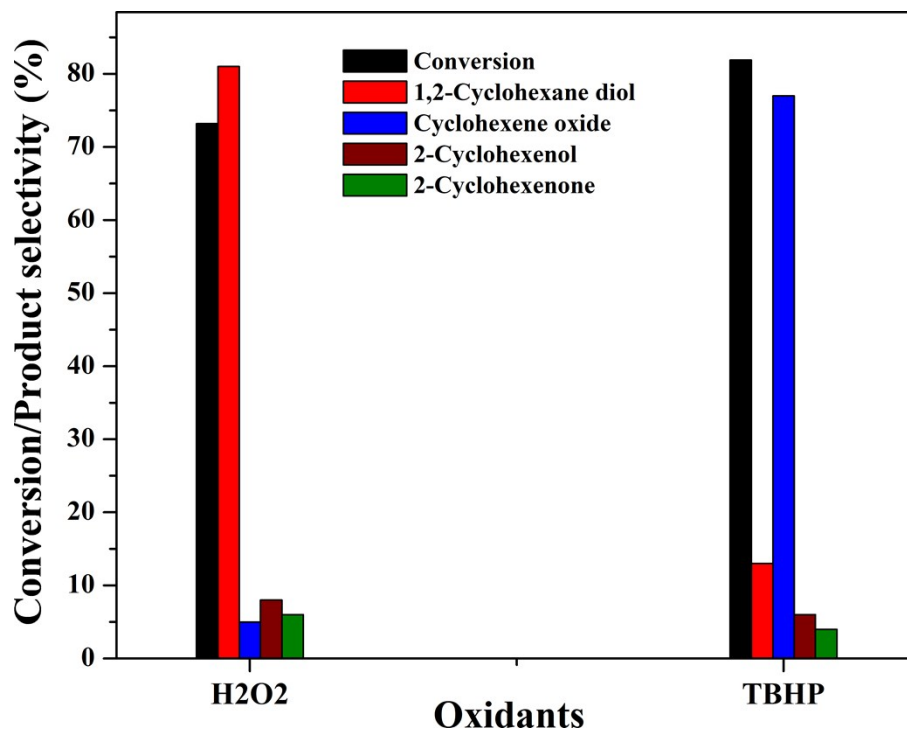


Fig. S3- Effect of different oxidants in the reaction (*Cyclohexene: 2 mmol, H₂O₂: 10 mmol, TBHP: 10 mmol; Acetonitrile: 5 ml, Catalyst: 5% rGO/Fe₃O₄ nanocomposite, Catalyst dosage: 0.05 g, Temperature: 70°C, Reaction time: 5 hours, atmospheric pressure*)