Gold Loaded Titanium Dioxides-Carbon Nanotubes Composites as Active Photocatalysts for Cyclohexane Oxidation at Ambient Conditions

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Figure S1: FTIR Spectra of MWCNT and MWCNT-TNT catalysts

Figure S2: Effect of reactive intermediates (isopropanol, IPA; p-benzoquinone, BQ; triethanolamine, TEOA) on the activity of Au/TNT-MWCNT towards cyclohexane oxidation. Reaction conditions were done with 0.05 g of catalyst, 10 mmol cyclohexane, 10 mmol H₂O₂, 10 mL of acetonitrile, photoirradiation time, 12 h (>256 nm).