

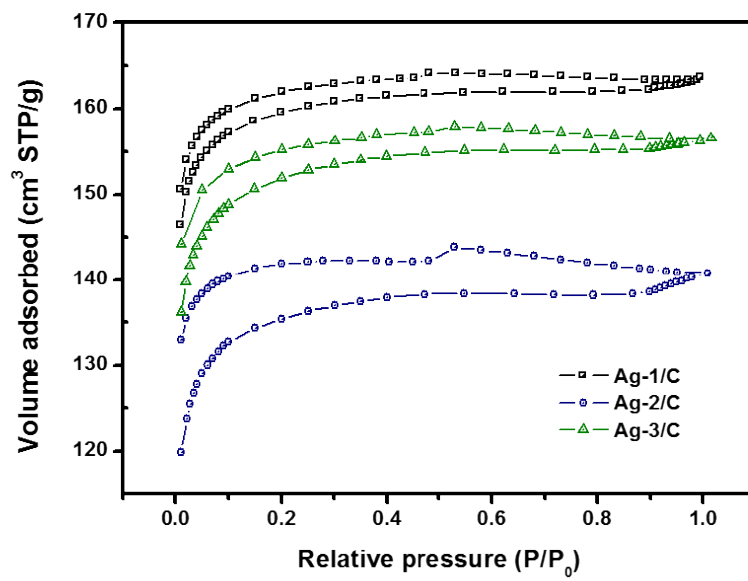
Supporting Information for

**Hierarchical Macrotube/Mesopore Carbon Decorated  
with Mono-dispersed Ag Nanoparticles as Highly Active  
Catalyst**

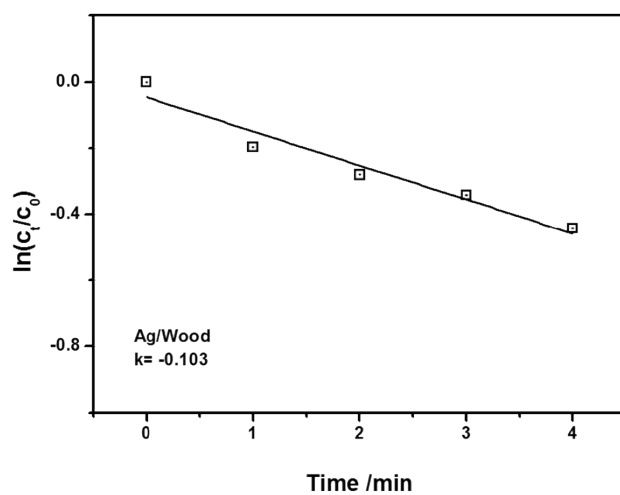
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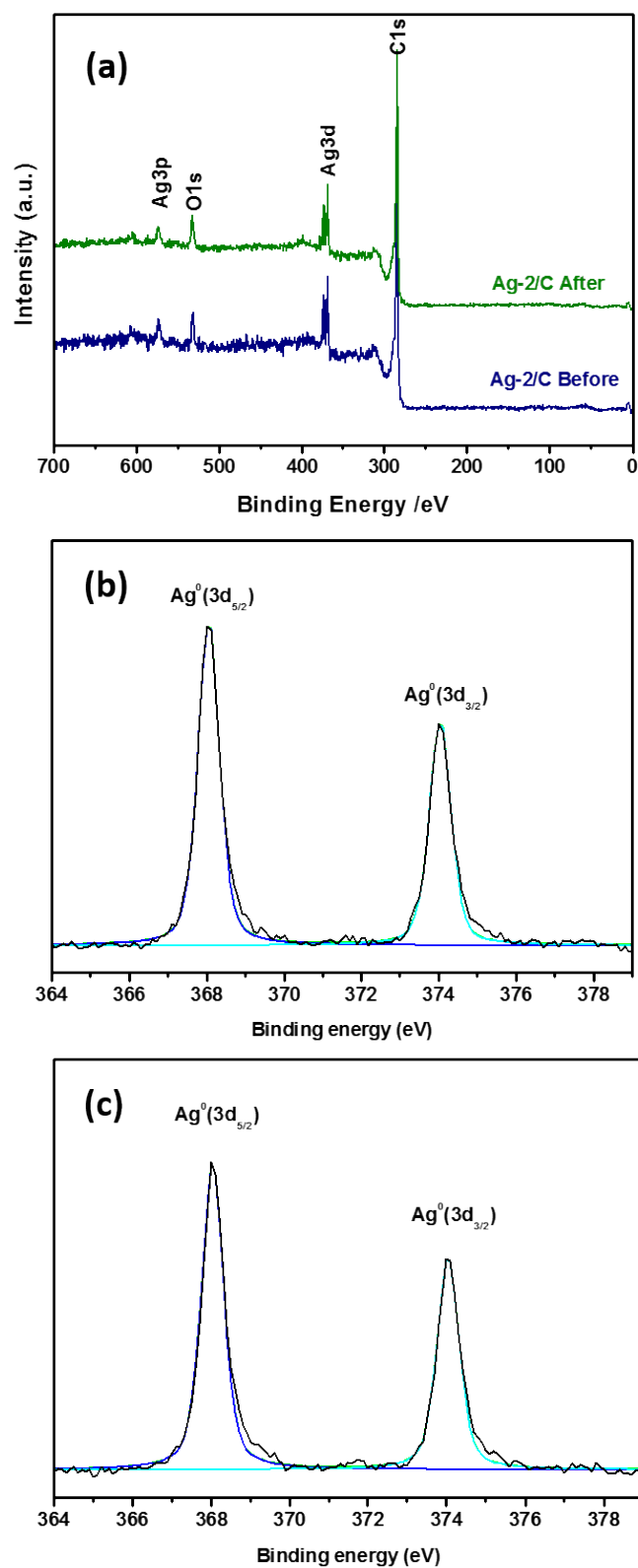
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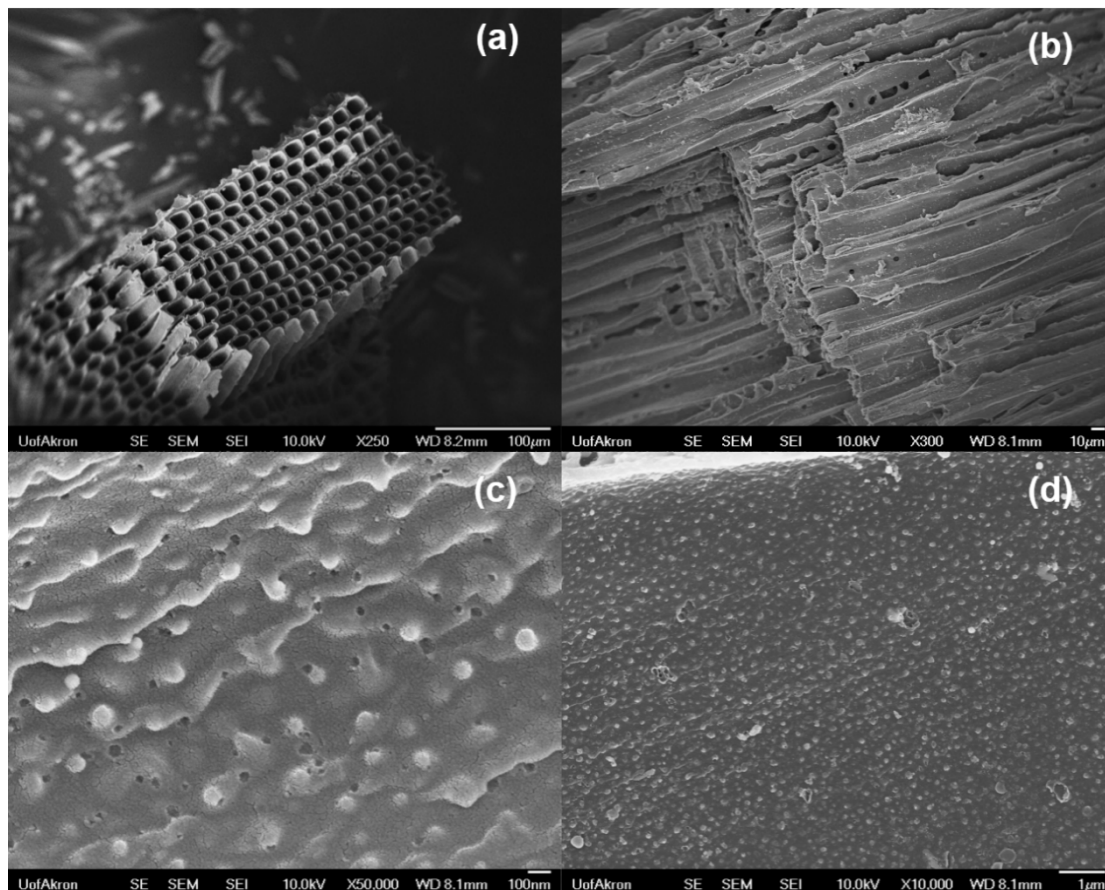
**Fig. S1** Nitrogen adsorption–desorption isotherm of Ag-1/C, Ag-2/C and Ag-3/C.



**Fig. S2.** Plots of  $\ln[C_t/C_0]$  versus reaction time for the reduction of 4-NP with  $\text{NaBH}_4$  over Ag/Wood.  $[\text{NP}] = 0.5 \text{ mM}$ ,  $[\text{NaBH}_4]/[\text{4-NP}] = 80$ , catalysts amount: 4-NP: 0.16 mg/mL



**Fig. S3** (a) XPS full scanned spectra of Ag-wood, Ag-2/C before and after reaction (b) Ag 3d of as synthesized Ag-2/C, (c) Ag 3d of Ag-2/C after reaction.



**Fig.S4** SEM of (a) top-view, (b) side-view (c) (d) enlarged magnification of side view of Ag-2/C after 10 cycles reaction.