

**Ordered mesoporous silica cubic decorated with silver nanoparticles:
a highly active and recyclable heterogeneous catalyst for the
reduction of 4-nitrophenol**

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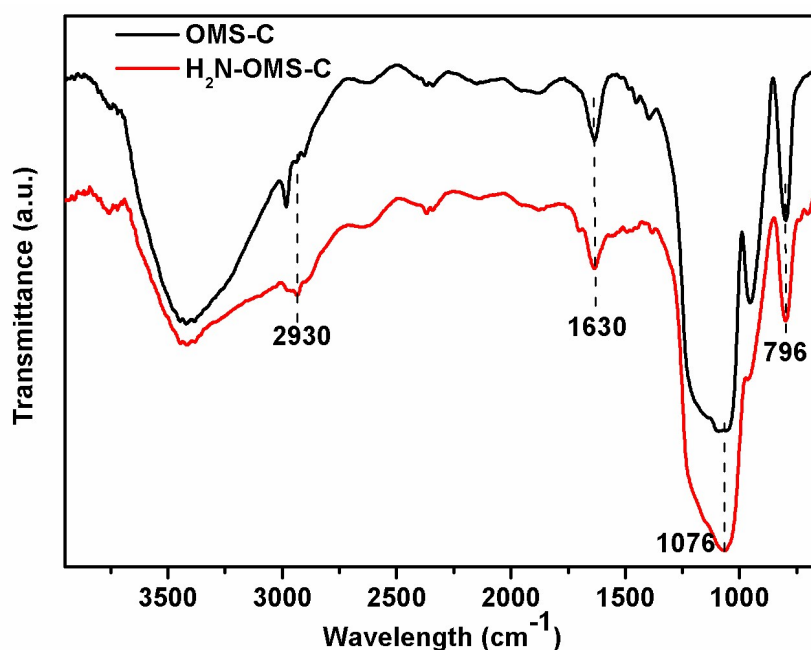


Fig. S1. FTIR spectra of OMS-C and H₂N-OMS-C.

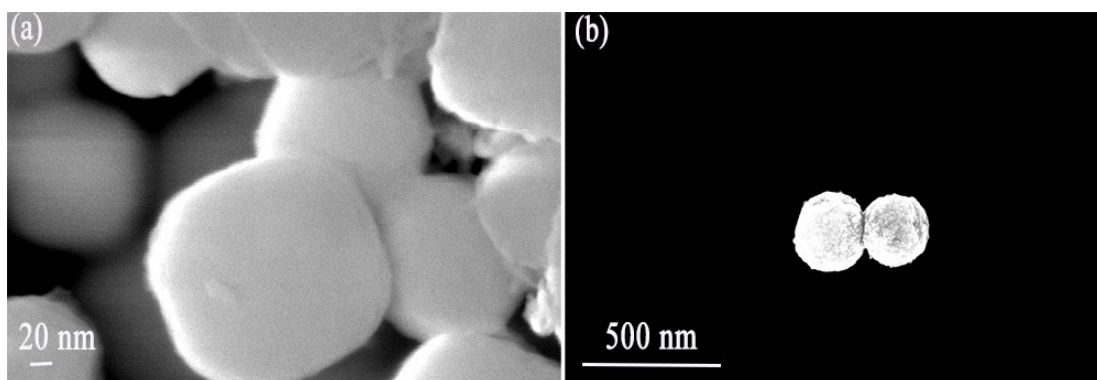


Fig. S2. SEM images of OMS-C (a) and Ag-OMS-C (b).

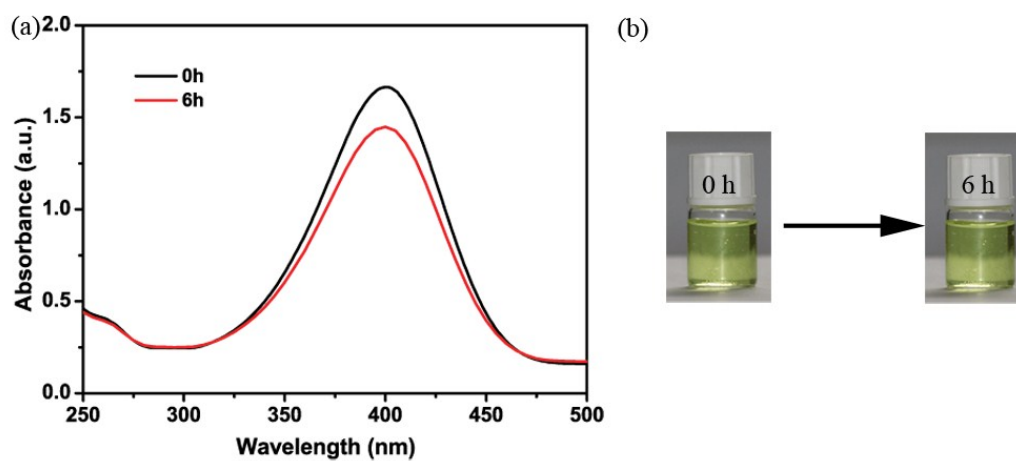


Fig. S3. (a) UV-Vis spectra of 4-NP/NaBH₄ solution when adding OMS-C as catalyst at the reaction time of about 0 h and 6 h. (b) The color change of the 4-NP/NaBH₄/OMS-C mixture at the reaction time of about 0 h and 6 h.

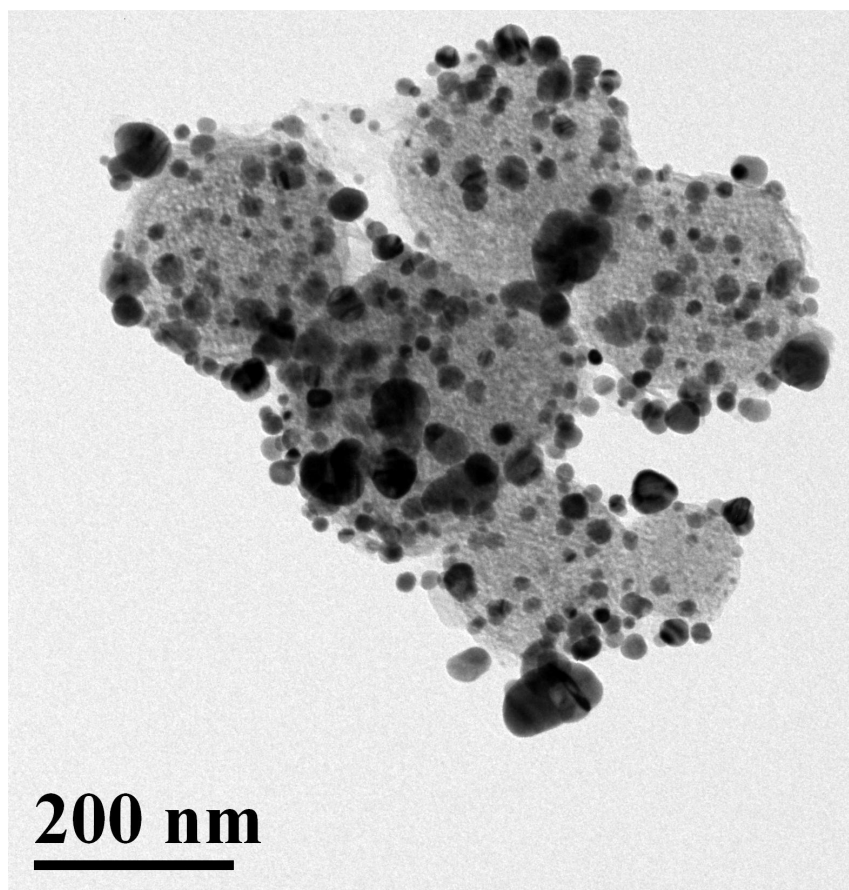


Fig. S4. TEM image of Ag-OMS-C nanocomposites after five cycles of reaction.