

Supporting Information

Catalytic Oxidation of Cinnamyl Alcohol Using Au-Ag Nanotubes investigated by Surface-enhanced Raman Spectroscopy

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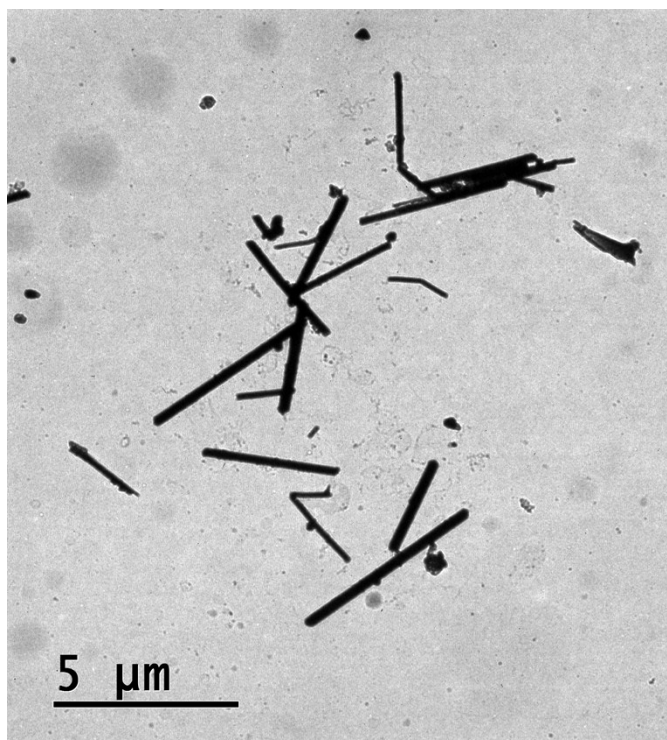


Figure S1. TEM image of the spent Au-Ag NT catalyst recovered after the oxidation reaction.

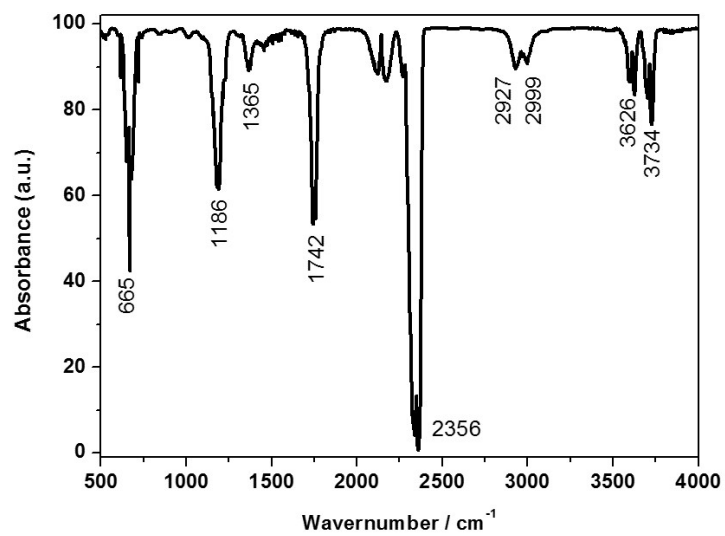


Figure S2. FTIR spectra of gas-phase in the oxidation reaction of cinnamyl alcohol (catalysts /alcohol (1/2000) at 100 °C and 6 bar O₂).

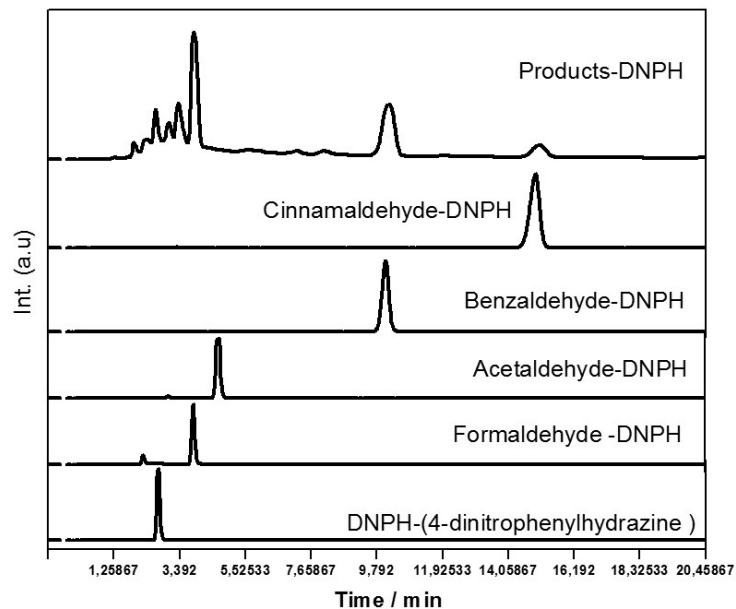


Figure S3. Chromatogram of mixture of DNPH derivatives obtained by HPLC with detection at 365 nm.

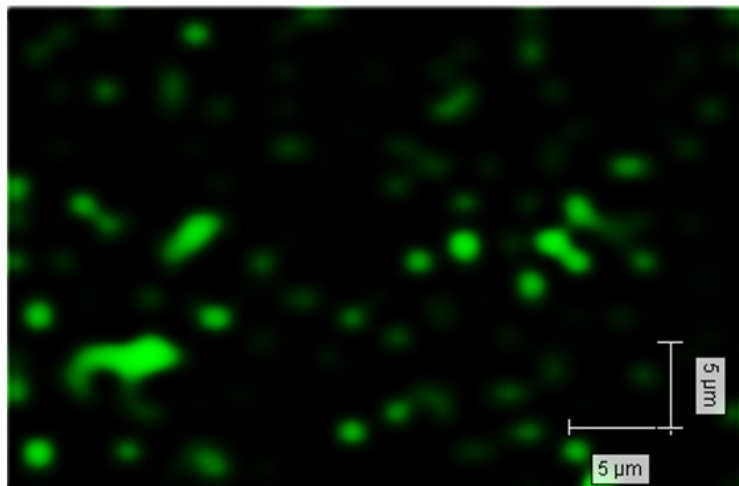


Figure S4. SERS intensity map of a film of Ag-Au nanotubes embedded in the bulk reaction solution. Sample collected after 30 min of reaction. High and low intensity regions obtained from the 1000 cm^{-1} signal are marked as green and black, respectively.