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Electronic Supplementary Information

Mesoporous SBA-15 supported gold nanoparticles for solvent-free oxidation of cyclohexane: Superior catalytic activity with higher cyclohexanone selectivity

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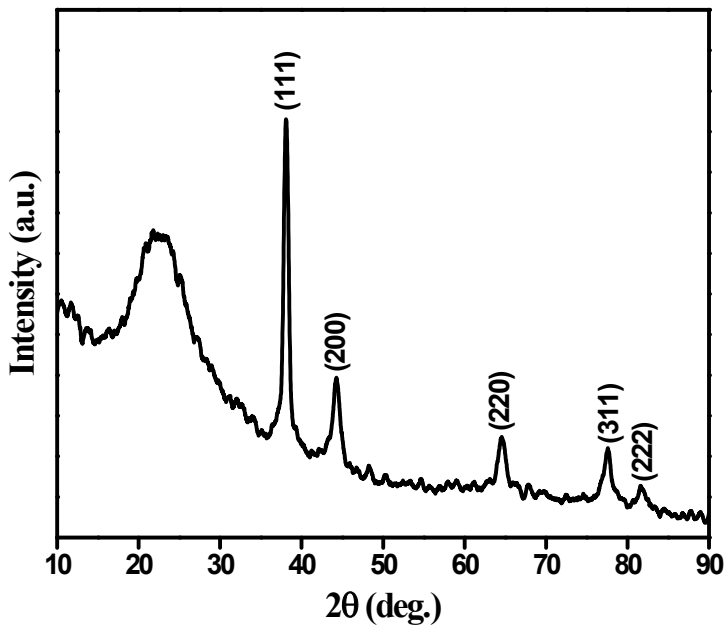

Fig. S1 Wide angle XRD pattern of the SBA-15/Au^0 nanohybrid catalyst recovered after fifth run.

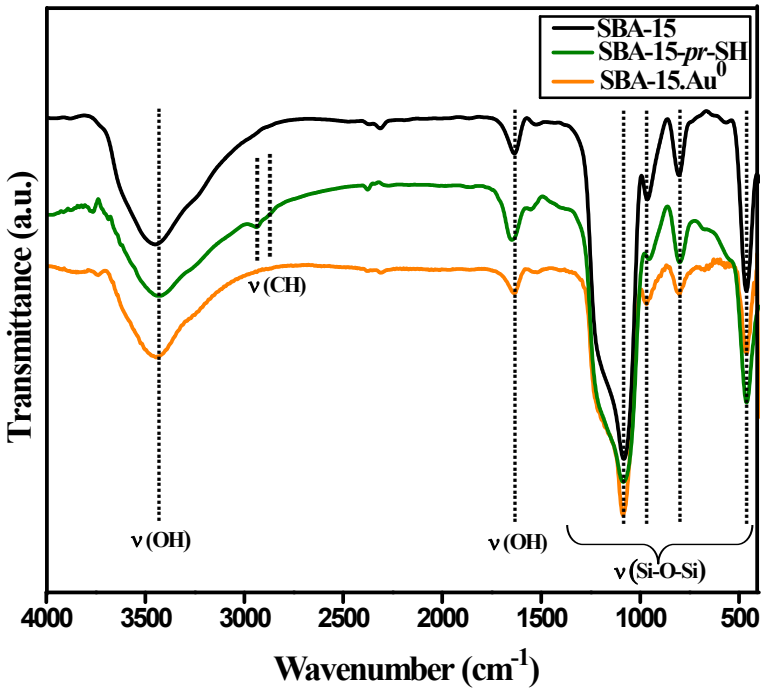

Fig. S2 FTIR spectra of all three as-prepared SBA-15 materials.

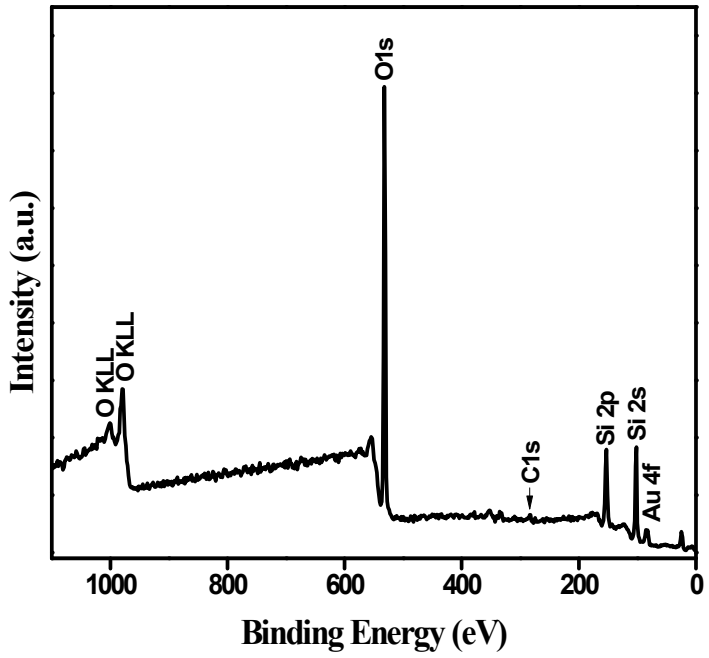

Fig. S3 Survey XPS spectra of SBA-15/Au^0 nanohybrid material.

Fig. S4 Photo of (a) aqueous $HAuCl_4$ solution and (b) after adsorption of $AuCl_4^-$ anions by SBA-15-*pr*-SH material.