

Supporting Information

Embedding Colloidal Nanoparticles inside Mesoporous Silica using Gas Expanded Liquids for High Loading Recyclable Catalysts

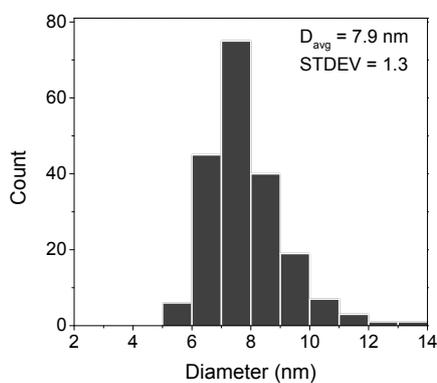


Figure S1. Size distribution histogram of as AgPd alloy NPs.

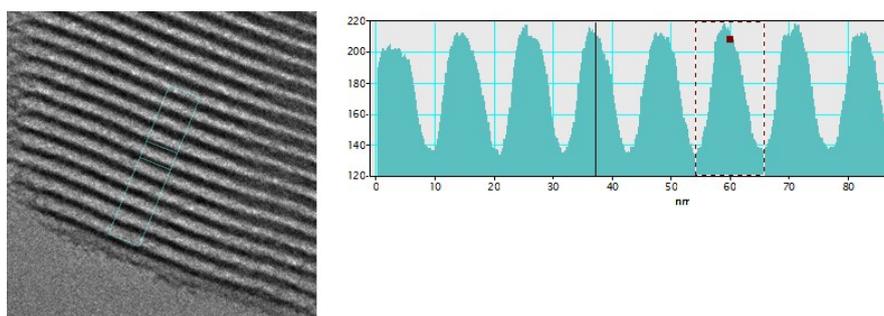


Figure S2: TEM image showing pore diameter of SBA-15

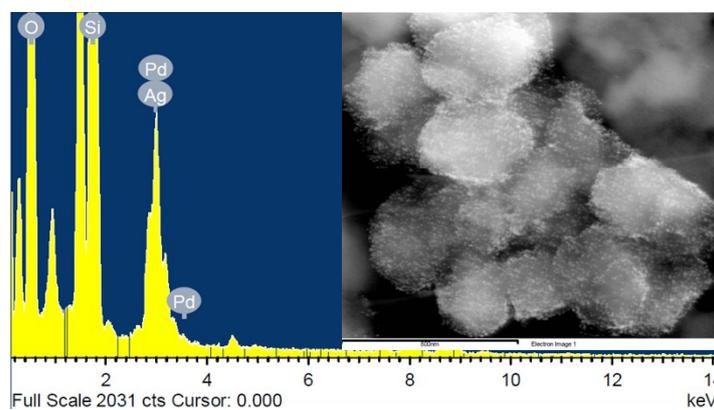


Figure S3. EDX and SEM image of AgPd alloy NPs on SBA-15.

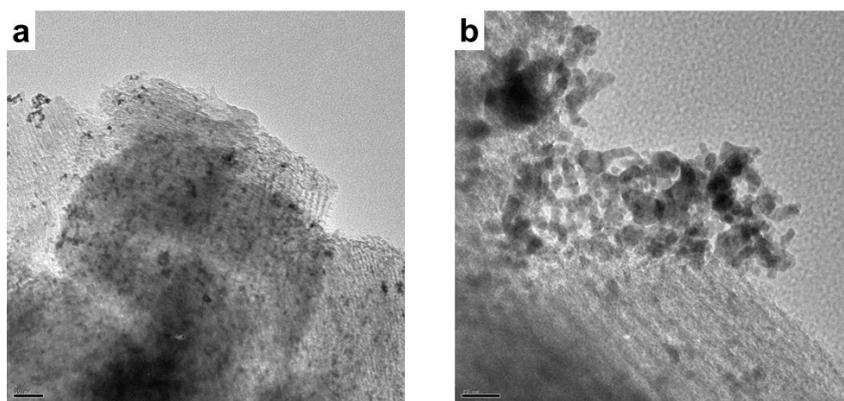


Figure S4. TEM images of catalyst prepared by incipient wetness deposition methods.

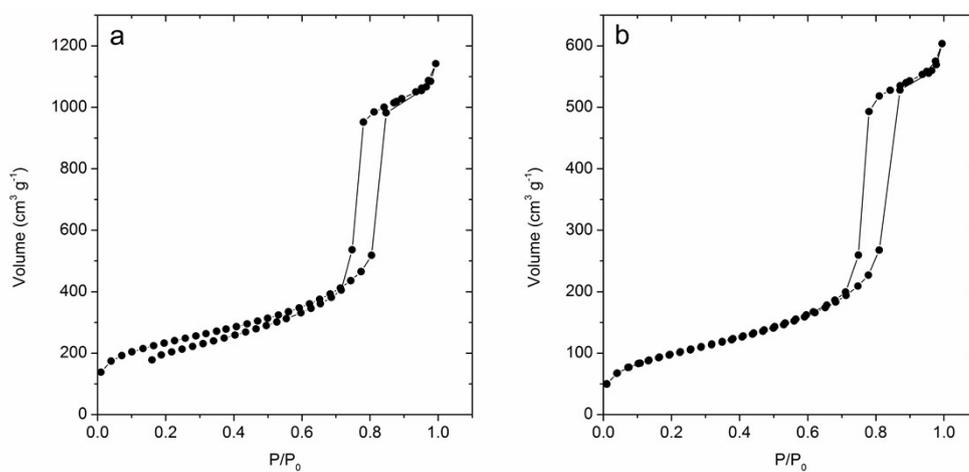


Fig. S5. N₂ adsorption-desorption isotherms for short channel SBA-15 (a) before and (b) after nanoparticle immobilization.

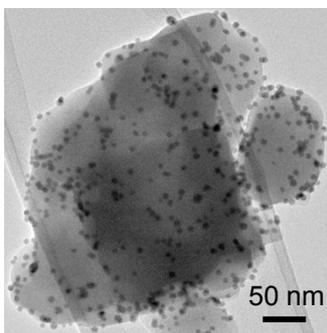


Figure S6: AgPd NPs immobilised on non-porous SiO₂.

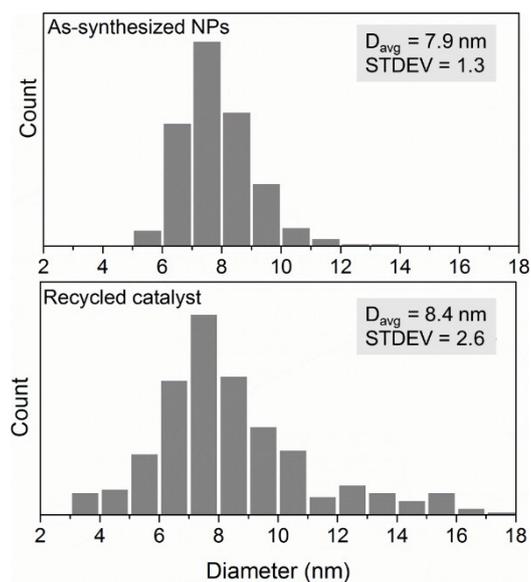


Figure S7. Comparison of size distribution histogram of as-synthesized AgPd NPs and after catalytic recycling.

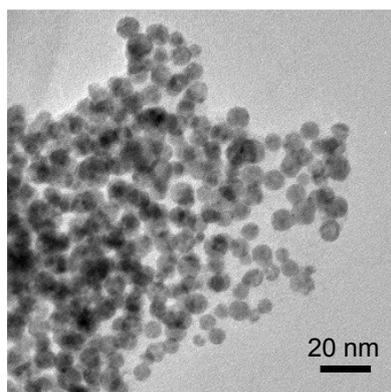


Figure S8: TEM image of reaction supernatant using non-porous SiO₂.