

Supporting Information

Biogenic flower-shaped Au-Pd nanoparticles: synthesis, SERS detection and catalysis towards benzyl alcohol oxidation

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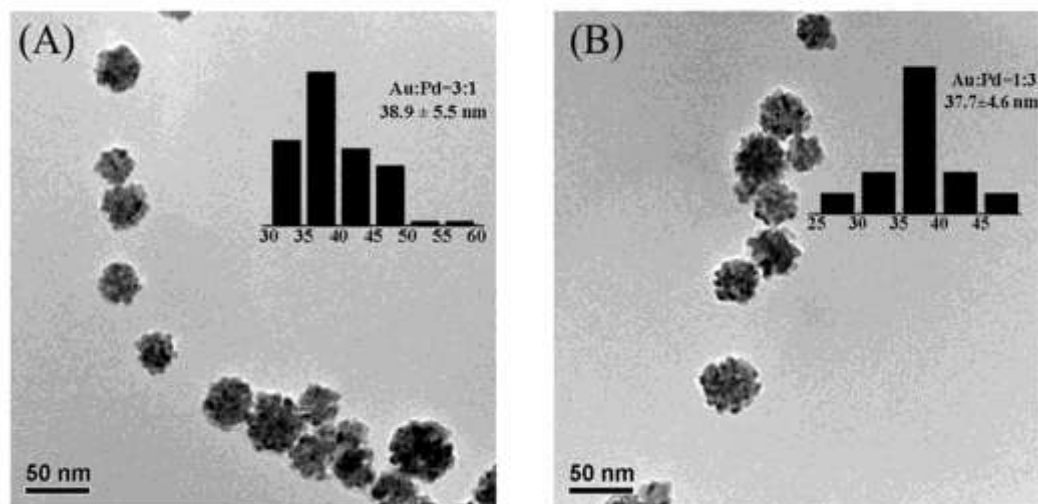


Figure 1S. TEM images and histograms (inlet) of as-synthesized Au-Pd bimetallic NPs with initial Au/Pd ratios of (A) 3:1 and (B) 1:3.

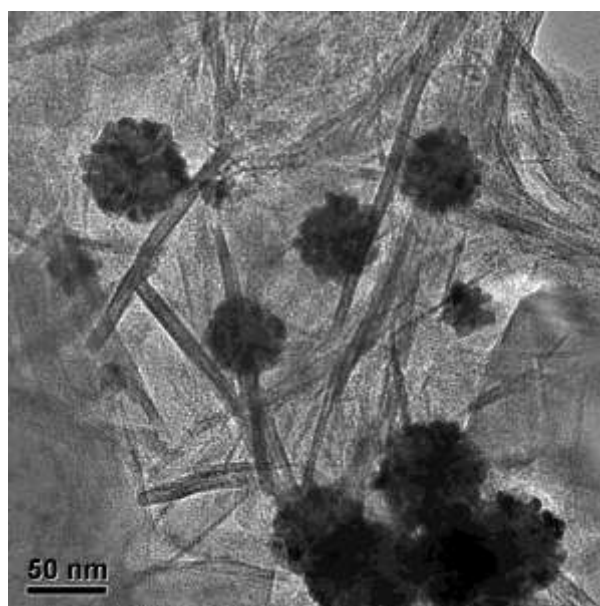


Figure 2S. TEM image of flower-shaped Au(1)Pd(1)/MgO/SI catalysts.

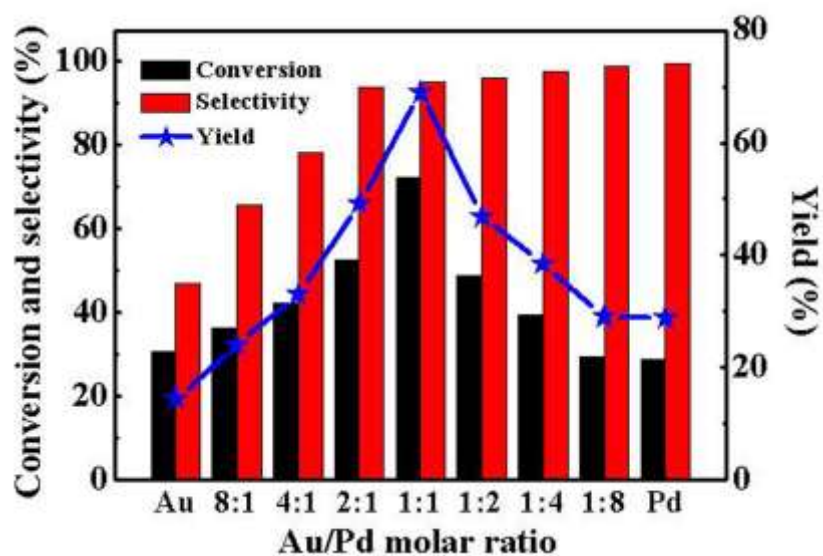


Figure 3S. Catalytic performance of flower-shaped Au-Pd/MgO catalysts with different Au/Pd molar ratios prepared by SI method. Reaction condition: metal load, 2 wt%; 0.4 g catalyst; O₂ flow rate, 90 mL·min⁻¹ (1 atm); reaction temperature, 90 °C; reaction time, 6 h; and stirring rate, 1200 rpm.