

Supporting Information

Three-Dimensional Network Pd-Ni/ γ -Al₂O₃ Catalysts for Highly Active Catalytic Hydrogenation of Nitrobenzene to Aniline under Mild Conditions

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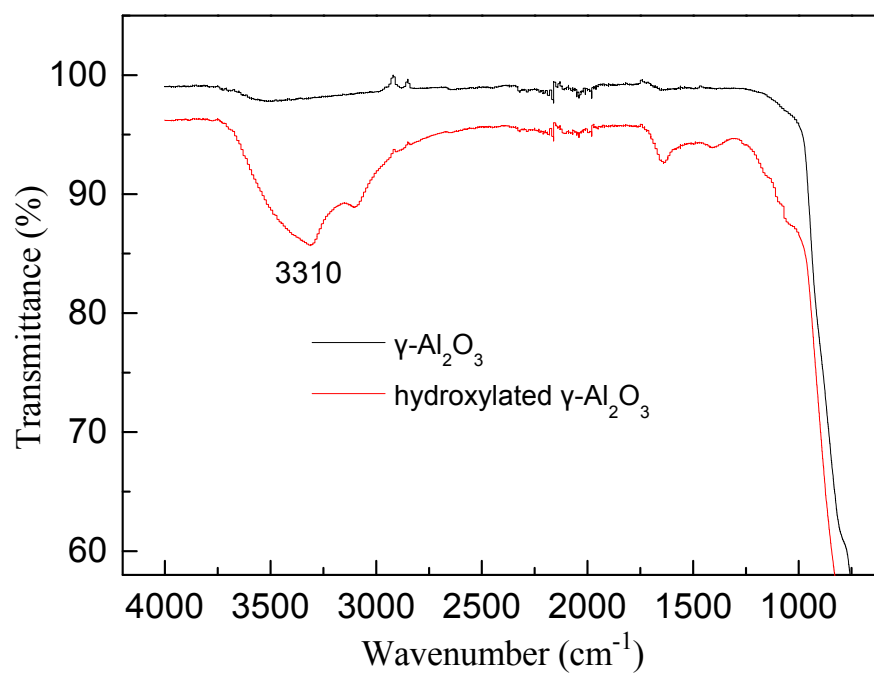


Figure S1. FTIR spectra of the hydroxylated $\gamma\text{-Al}_2\text{O}_3$ and $\gamma\text{-Al}_2\text{O}_3$

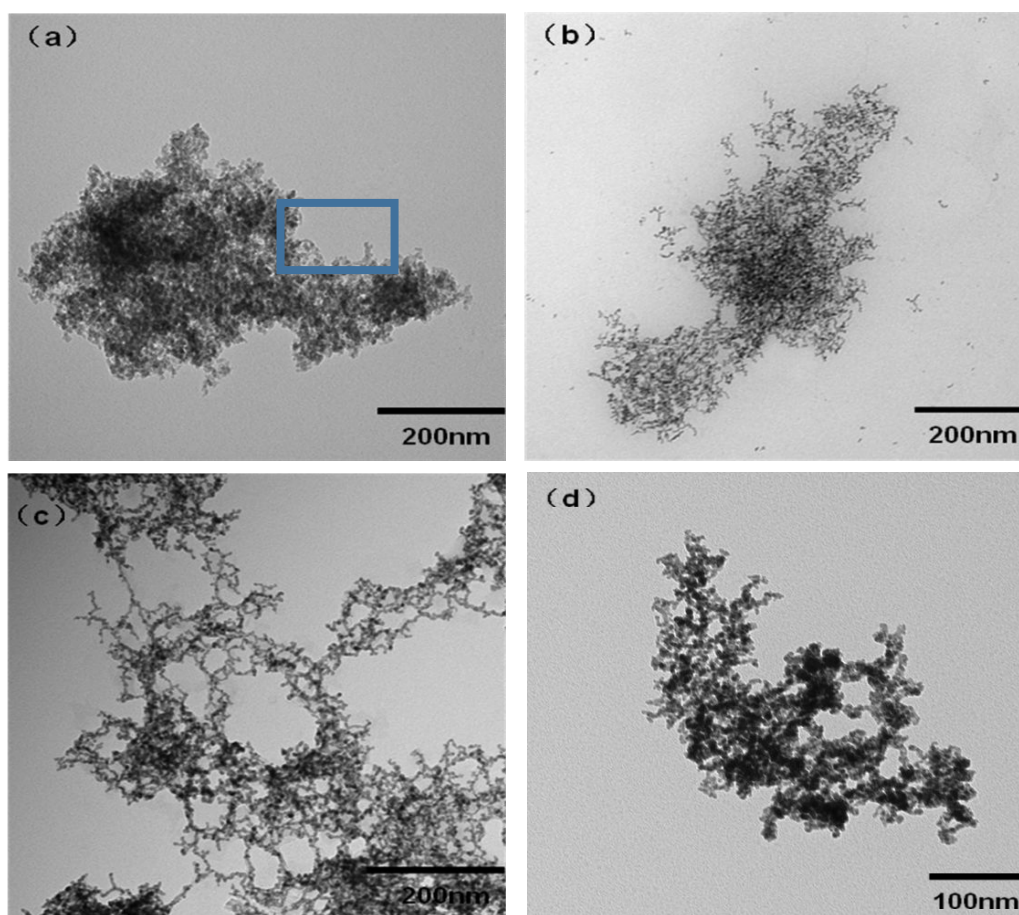


Figure S2. TEM images of Pd-Ni catalysts obtained with different precursor salt amount: (a) 0.2 mmol, (b) 0.4 mmol, (c) 0.6 mmol, (d) 1.0 mmol.

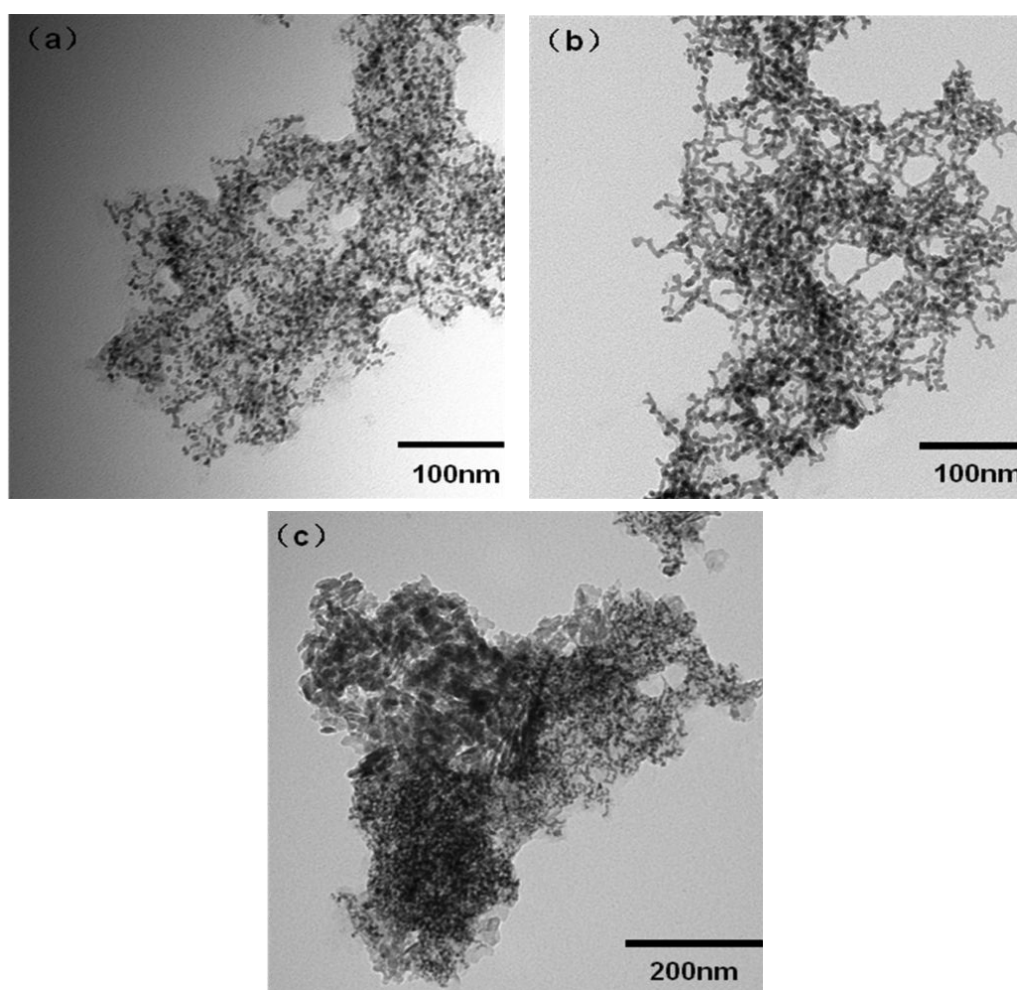


Figure S3. TEM images of Pd-Ni catalysts obtained with different reducing agent concentration:
(a) 1.5 mg/mL, (b) 2 mg/mL, (c) 2.5 mg/mL.

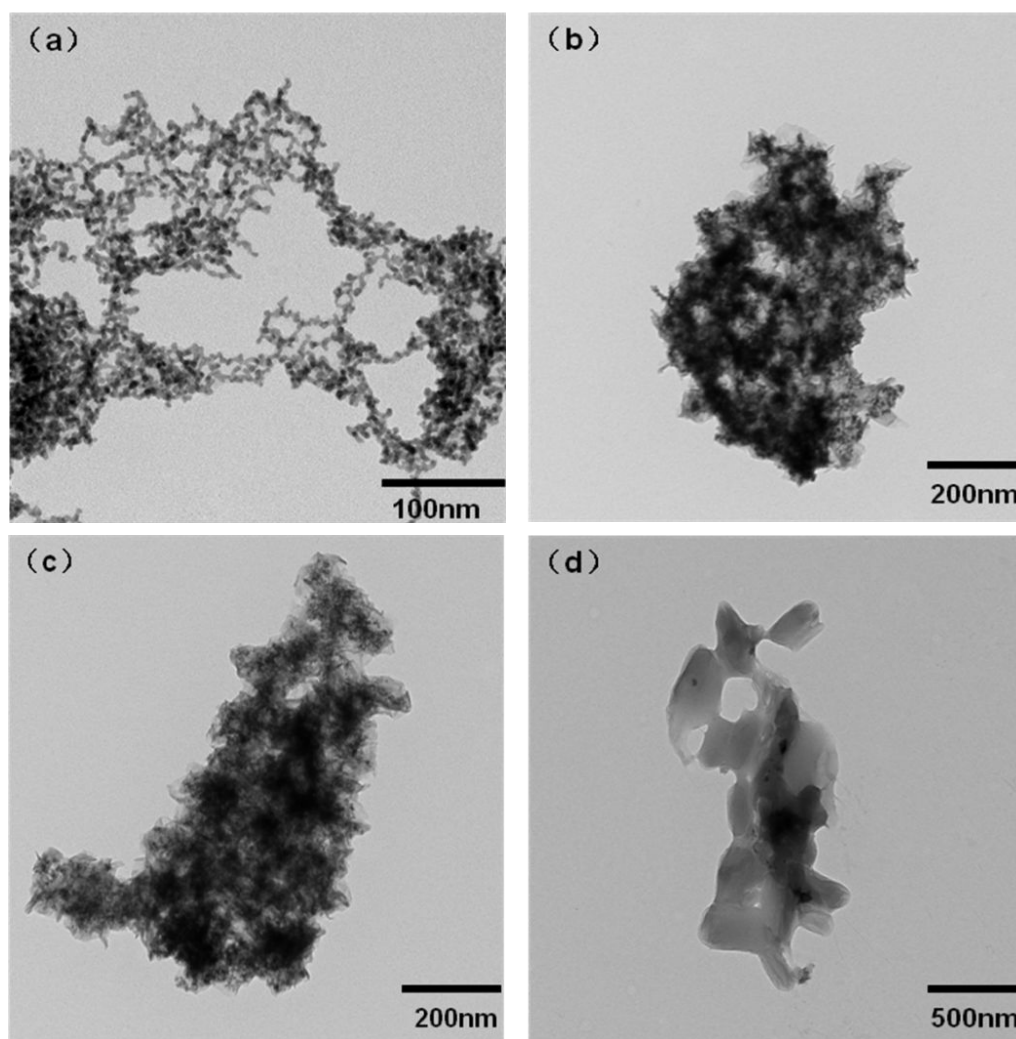


Figure S4. TEM images of Pd-Ni catalysts obtained with different stabilizer concentration: (a) 0.5 wt%, (b) 1 wt%, (c) 2 wt%, (d) 3 wt%.

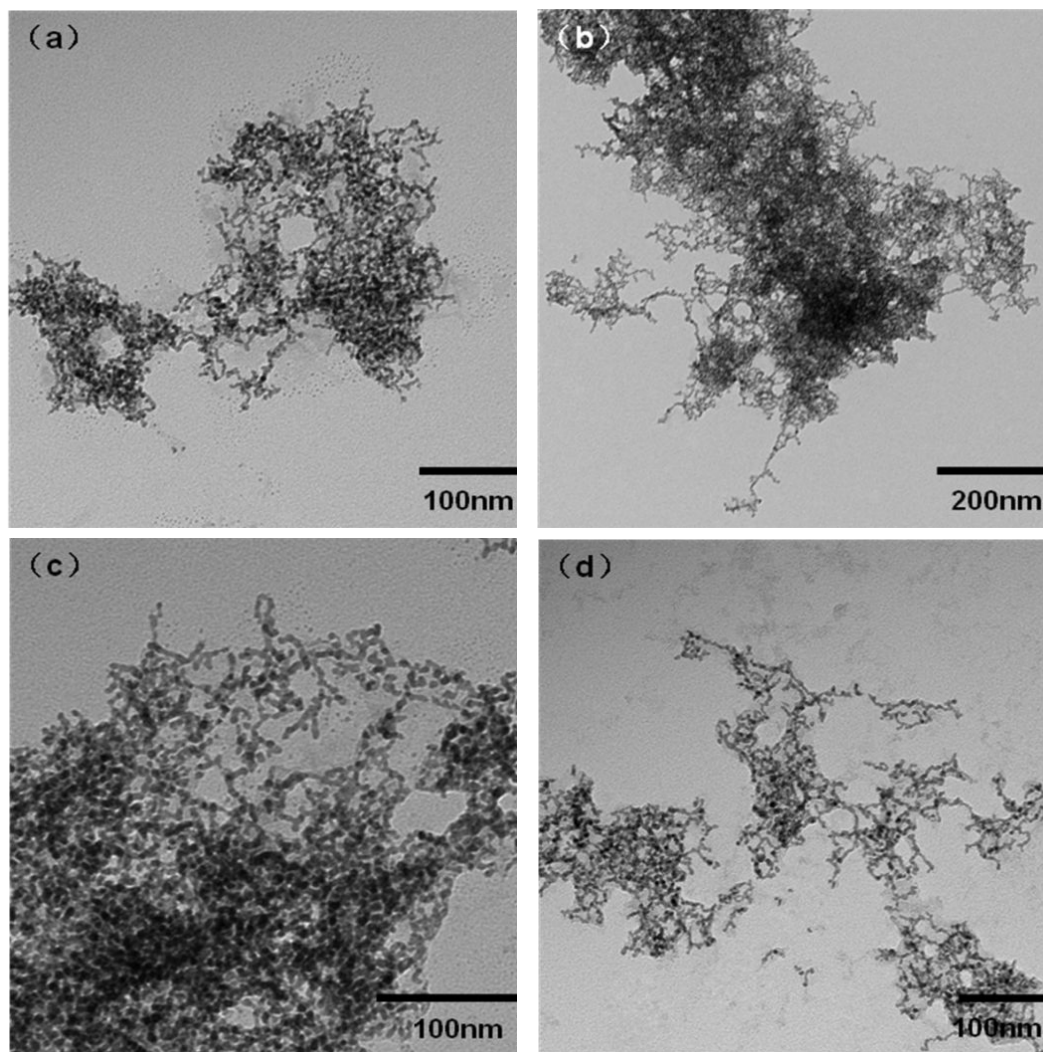


Figure S5. TEM images of Pd-Ni catalysts obtained with different reducing stirring time: (a) 30s, (b) 1min, (c) 3 min, (d) 5 min.