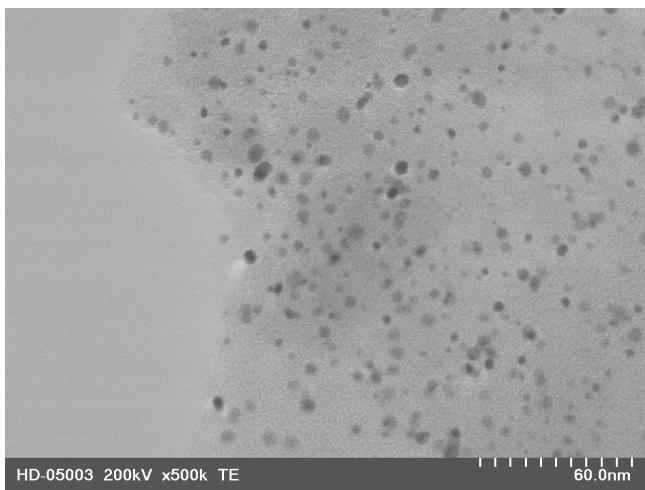
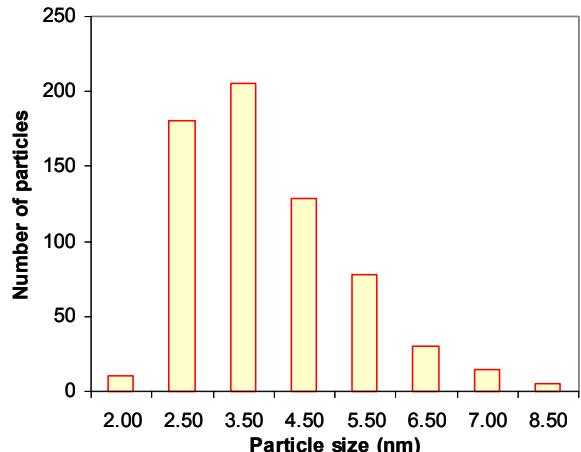


Appendix A



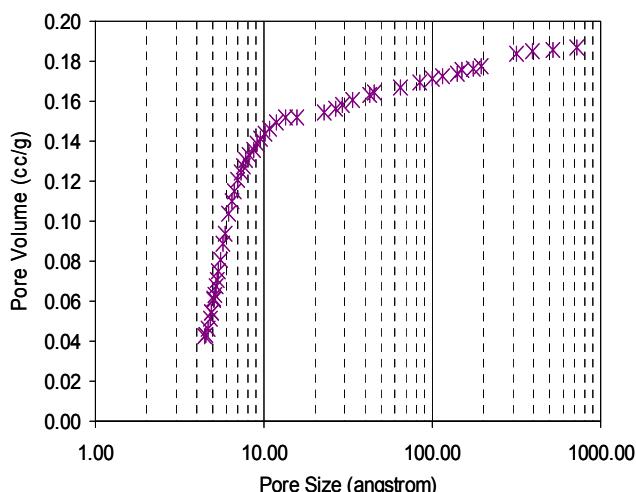
(a)



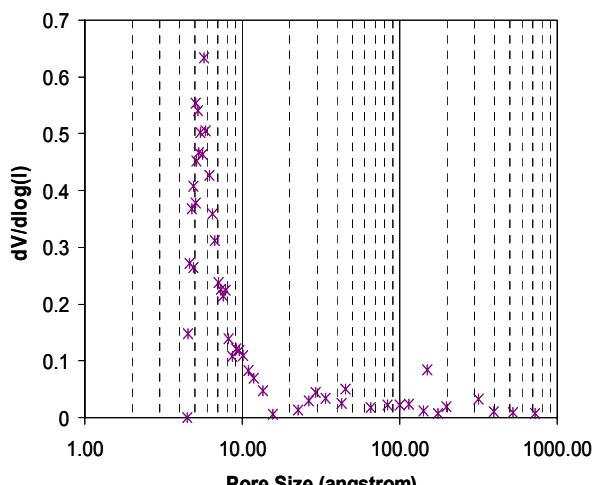
(b)

(a) HRTEM image of 6.4-wt% Platinum loaded nanoporous carbon and (b) Particle size distribution of platinum nanoparticles in carbon as calculated by STEM

Appendix B



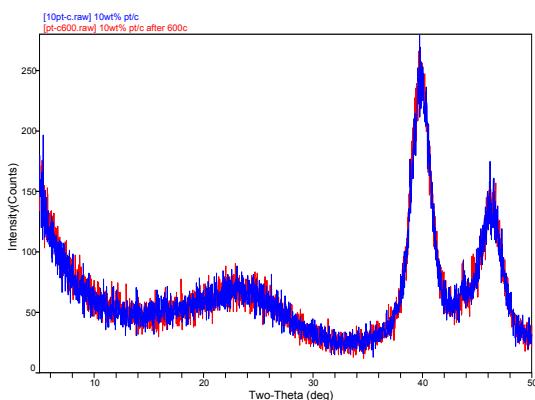
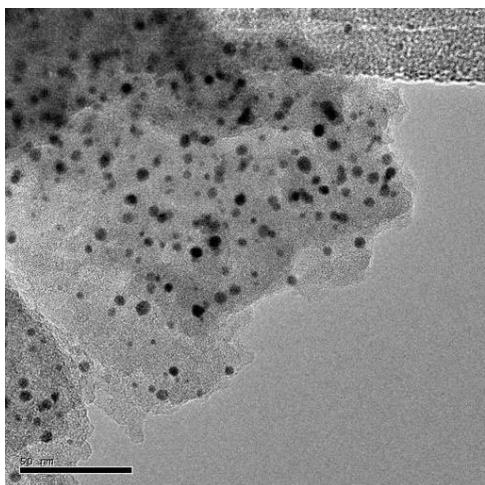
(a)



(b)

(a) Cumulative pore volume vs pore size for 6.4-wt% platinum loaded nanoporous carbon and (b) Pore size distribution of 6.4 wt% platinum loaded nanoporous carbon

Appendix C



(a)

(b)

(a) HRTEM image of 6.4-wt% Platinum loaded nanoporous carbon reduced repeatedly under hydrogen at 800 °C for 1 hour followed by olefin hydrogenation (after six cycles) and (b) XRD pattern before and after catalysis

Appendix D

Sample	Microporous volume (cc/g)	Mesoporous volume (cc/g)
NPC alone	0.131	0.0223
3.6 wt% Pt	0.113	0.0109
6.4 wt% Pt	0.1126	0.0327
10 wt% Pt	0.1299	0.0687
20 wt% Pt	0.1252	0.1098

Study of microporous and mesoporous volumes in platinum loaded nanoporous carbon