Electronic Supplementary Material (ESI) for Journal of Materials Chemistry A.

Supporting Information

Palladium Catalyst Coordinated in Knitting N-Heterocyclic Carbenes Porous Polymers for Efficient Suzuki-Miyaura Coupling Reactions

† School of Chemistry and Chemical Engineering, Huazhong University of Science and Technology, Wuhan, 430074, China.

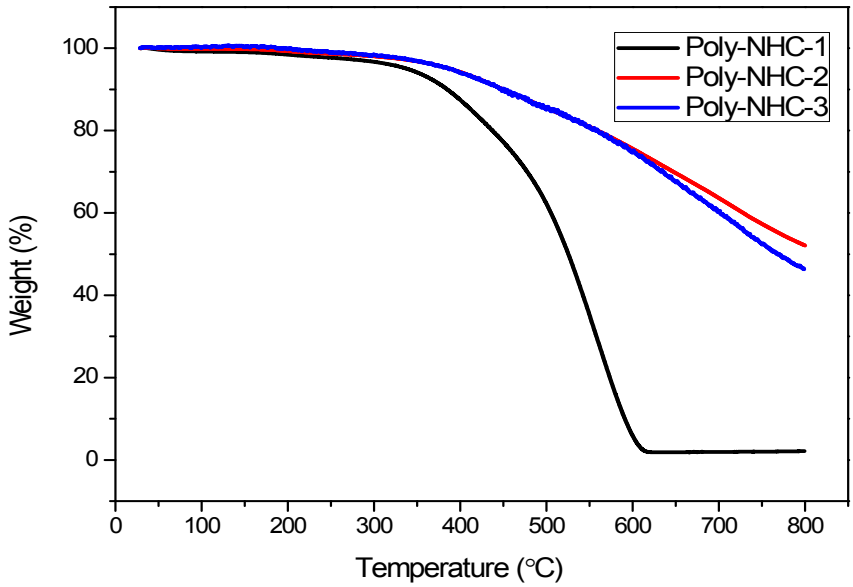
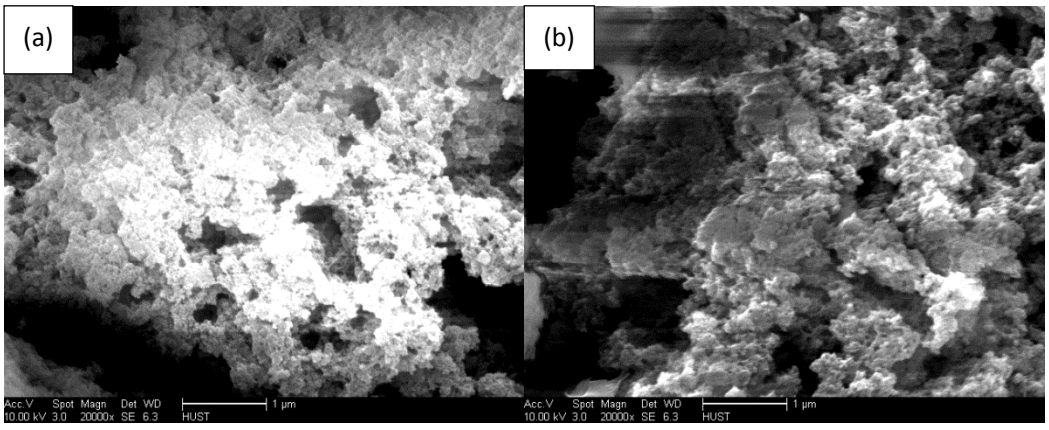


Figure S1. TG for the precursors (Poly-NHC).



FigureS2. SEM images for Poly-NHC-1 and Poly-NHC-1-Pd^{2+}

.

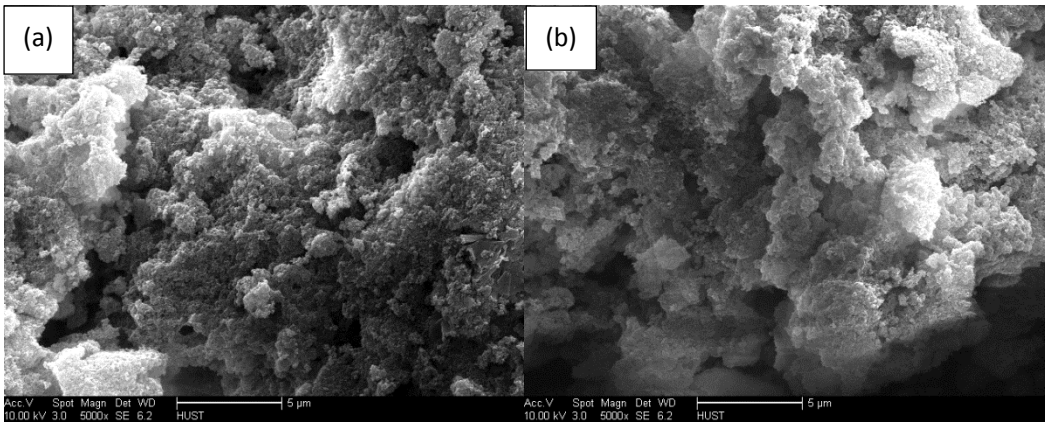


Figure S3. SEM images for Poly-NHC-2 and Poly-NHC-2-Pd^{2+}

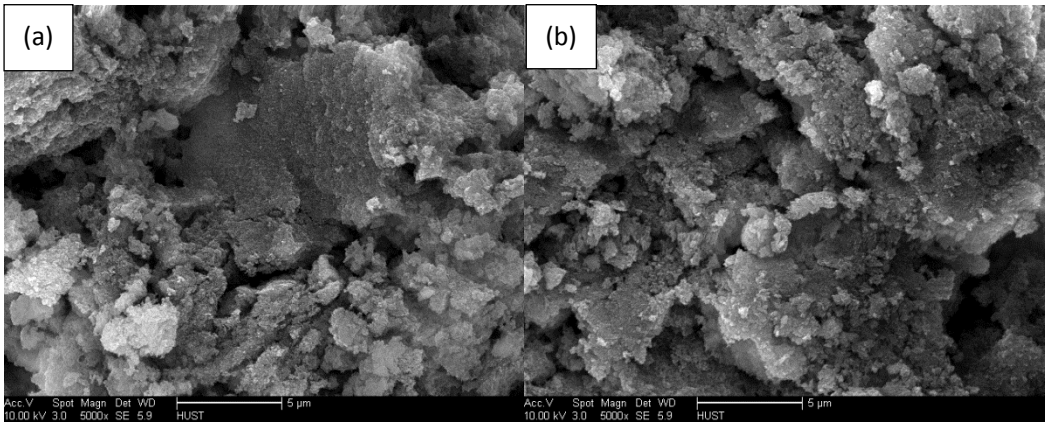


Figure S4. SEM images for Poly-NHC-3 and Poly-NHC-3-Pd^{2+}

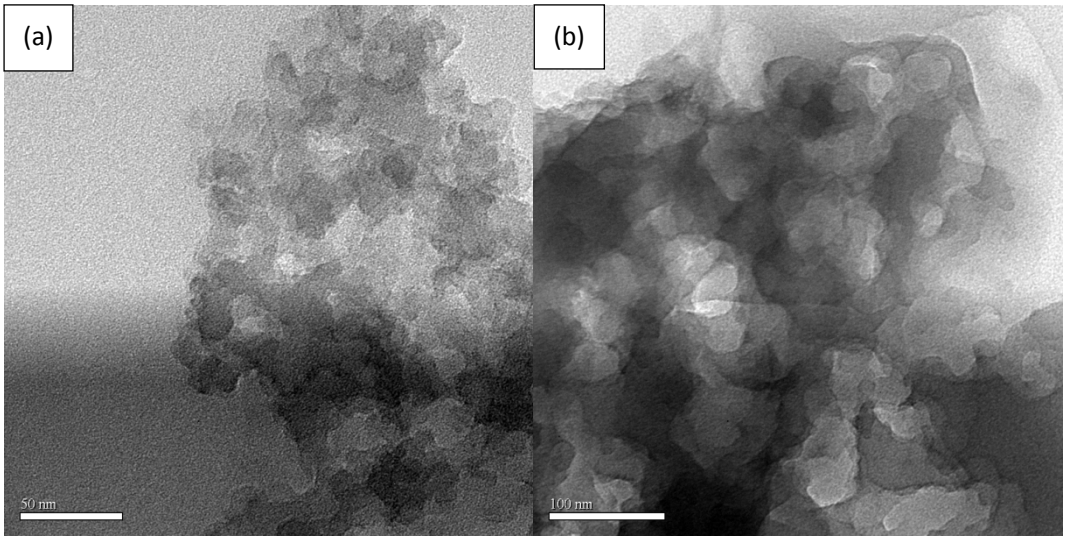


Figure S5. TEM images for Poly-NHC-1 and Poly-NHC-1-Pd^{2+}

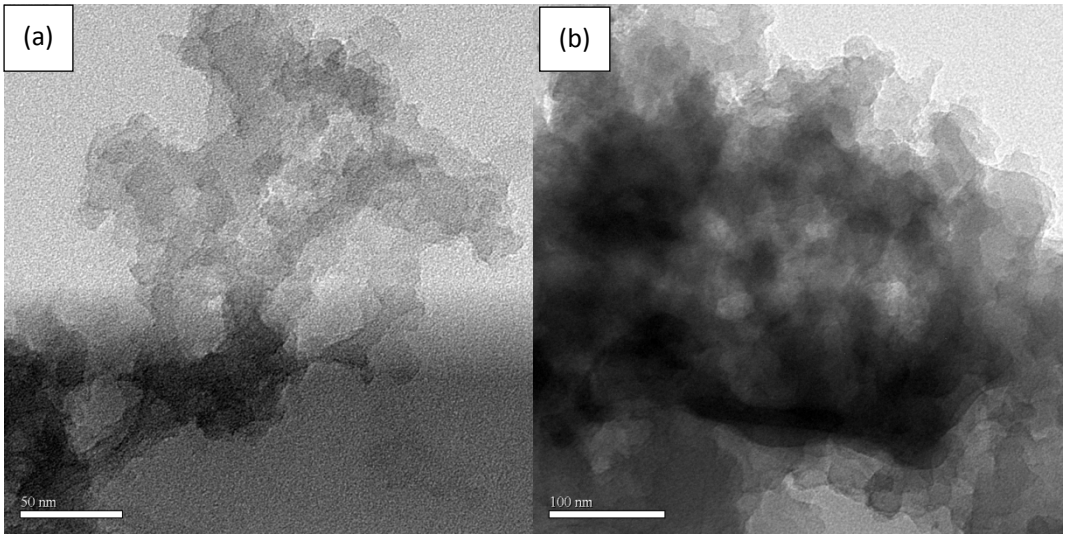


Figure S6. TEM images for Poly-NHC-2 and Poly-NHC-2-Pd^{2+}

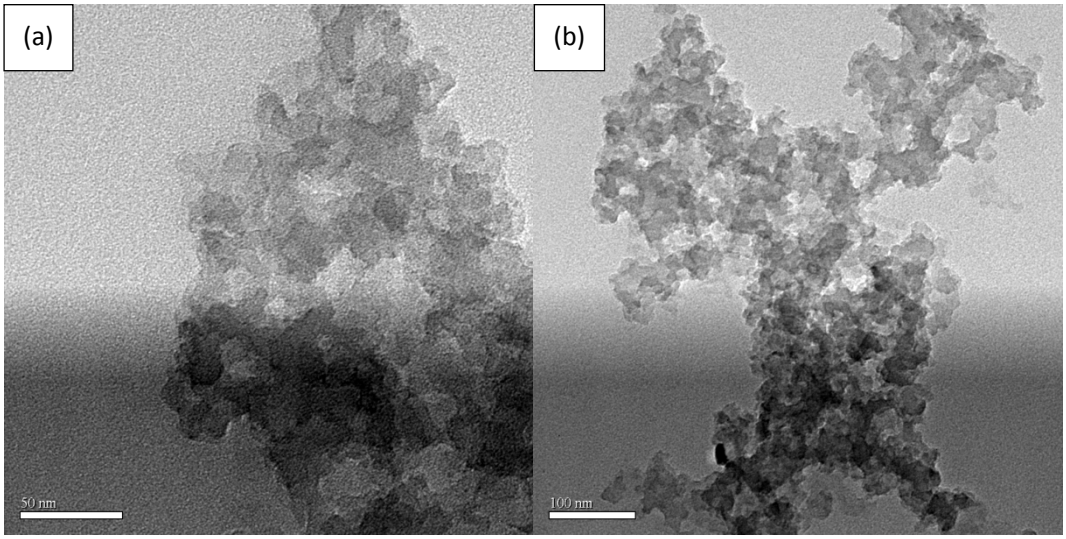


Figure S7. TEM images for Poly-NHC-3 and Poly-NHC-3-Pd^{2+}

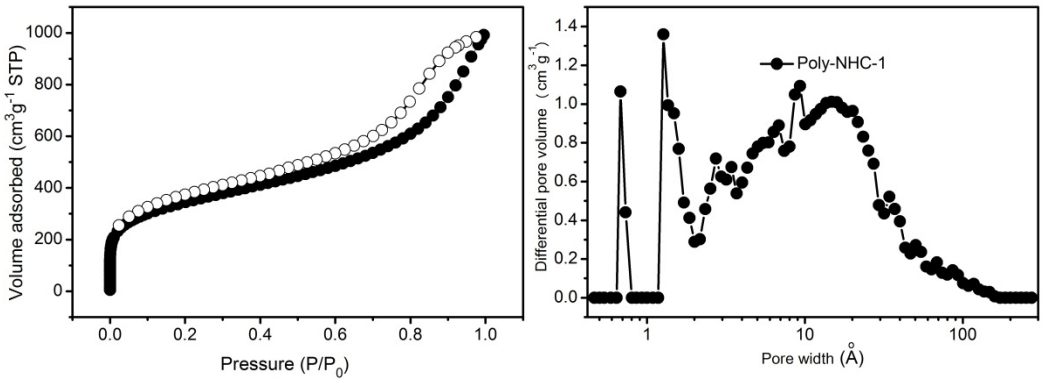


Figure S8. N_2 sorption isotherms at 77.3 K (a) and pore size distributions calculated using DFT methods via adsorption branch (slit pore models, differential pore volumes, Pore width) (b) of Poly-NHC-1.

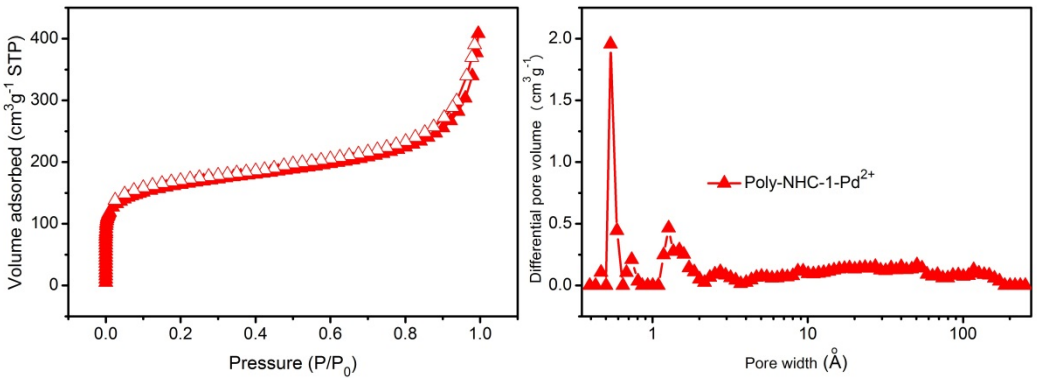


Figure S9. N_2 sorption isotherms at 77.3 K (a) and pore size distributions calculated using DFT methods via adsorption branch (slit pore models, differential pore volumes, Pore width) (b) of Poly-NHC-1-Pd^{2+}.

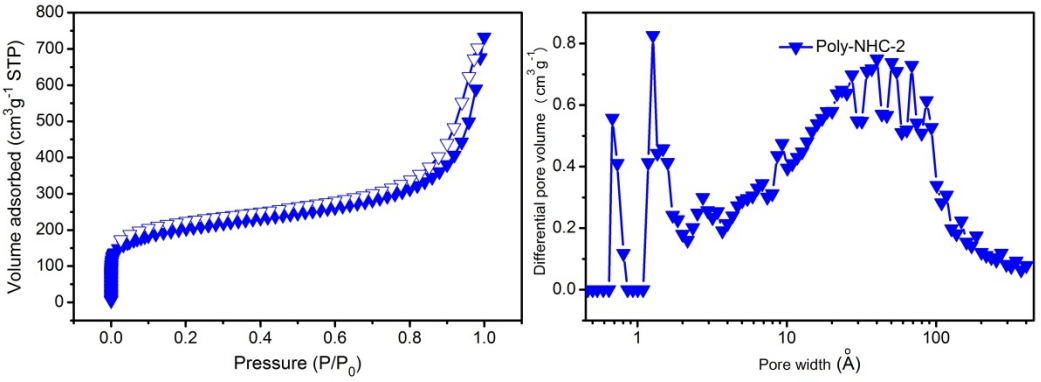


Figure S10. N_2 sorption isotherms at 77.3 K (a) and pore size distributions calculated using DFT methods via adsorption branch (slit pore models, differential pore volumes, Pore width) (b) of Poly-NHC-2.

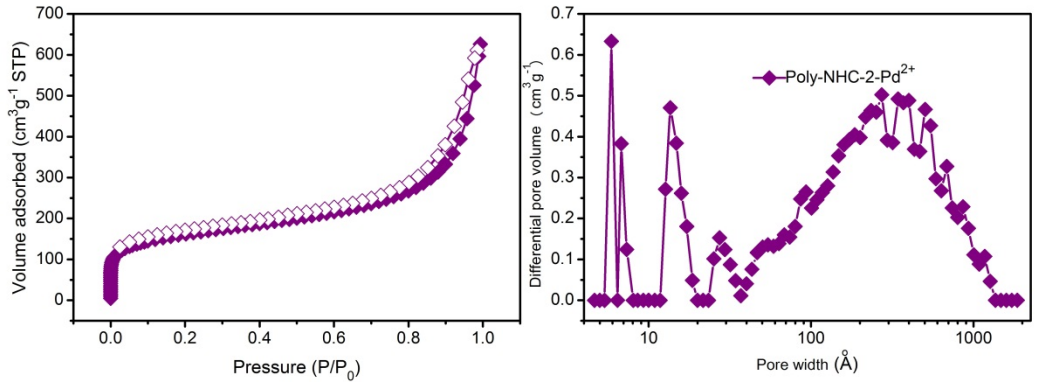


Figure S11. N_2 sorption isotherms at 77.3 K (a) and pore size distributions calculated using DFT methods via adsorption branch (slit pore models, differential pore volumes, Pore width) (b) of Poly-NHC-2-Pd^{2+}.

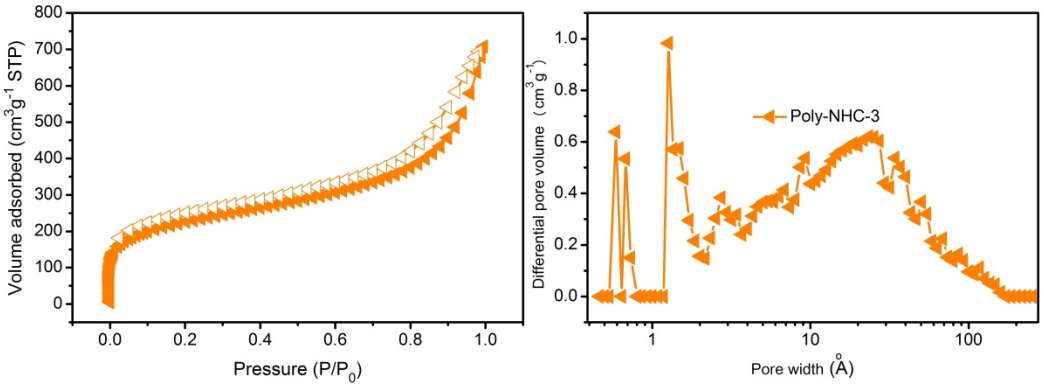


Figure S12. N_2 sorption isotherms at 77.3 K (a) and pore size distributions calculated using DFT methods via adsorption branch (slit pore models, differential pore volumes, Pore width) (b) of Poly-NHC-3.

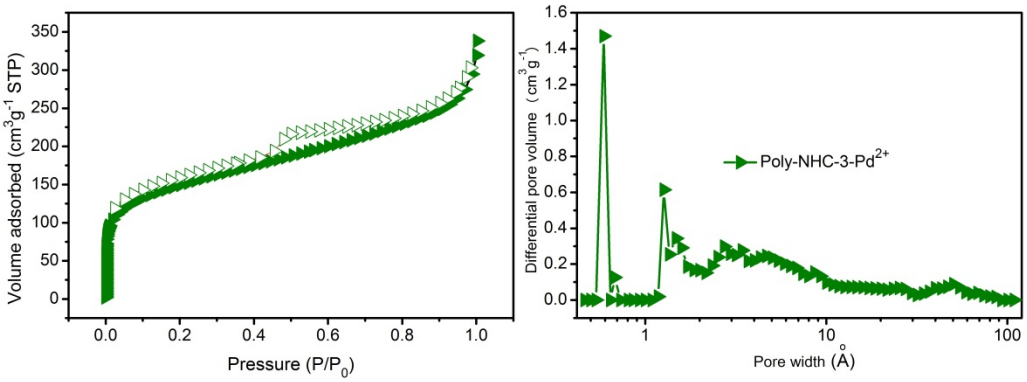


Figure S13. N_2 sorption isotherms at 77.3 K (a) and pore size distributions calculated using DFT methods via adsorption branch (slit pore models, differential pore volumes, Pore width) (b) of Poly-NHC-3-Pd^{2+}.