Supporting Information

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

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

Figure S2. 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\textsuperscript{2+}

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

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

Figure S6. TEM images for Poly-NHC-2 and Poly-NHC-2-Pd\textsuperscript{2+}
**Figure S7.** TEM images for Poly-NHC-3 and Poly-NHC-3-Pd\(^{2+}\)

**Figure S8.** \(\text{N}_2\) 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.** \(\text{N}_2\) 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. N₂ 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-Pd²⁺.