

Supplementary Information

An Efficient mesoporous carbon nitrides (g-C₃N₄) functionalized Pd catalyst for carbon–carbon bond formation reactions

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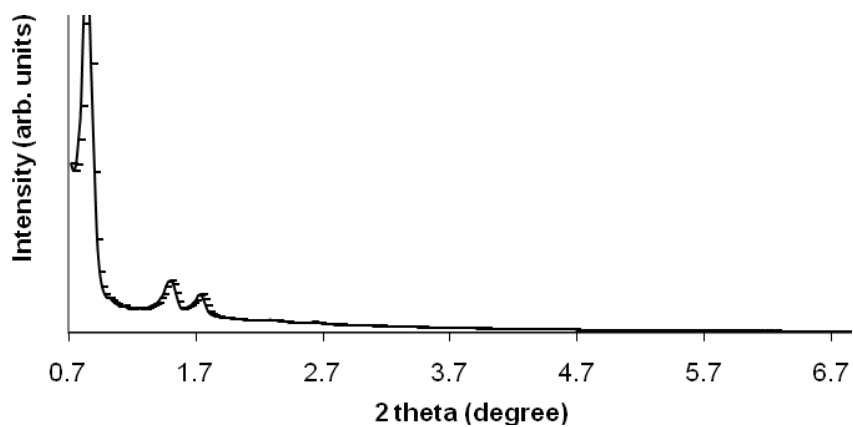


Fig. S1. XRD diffraction pattern of SBA-15-silica template

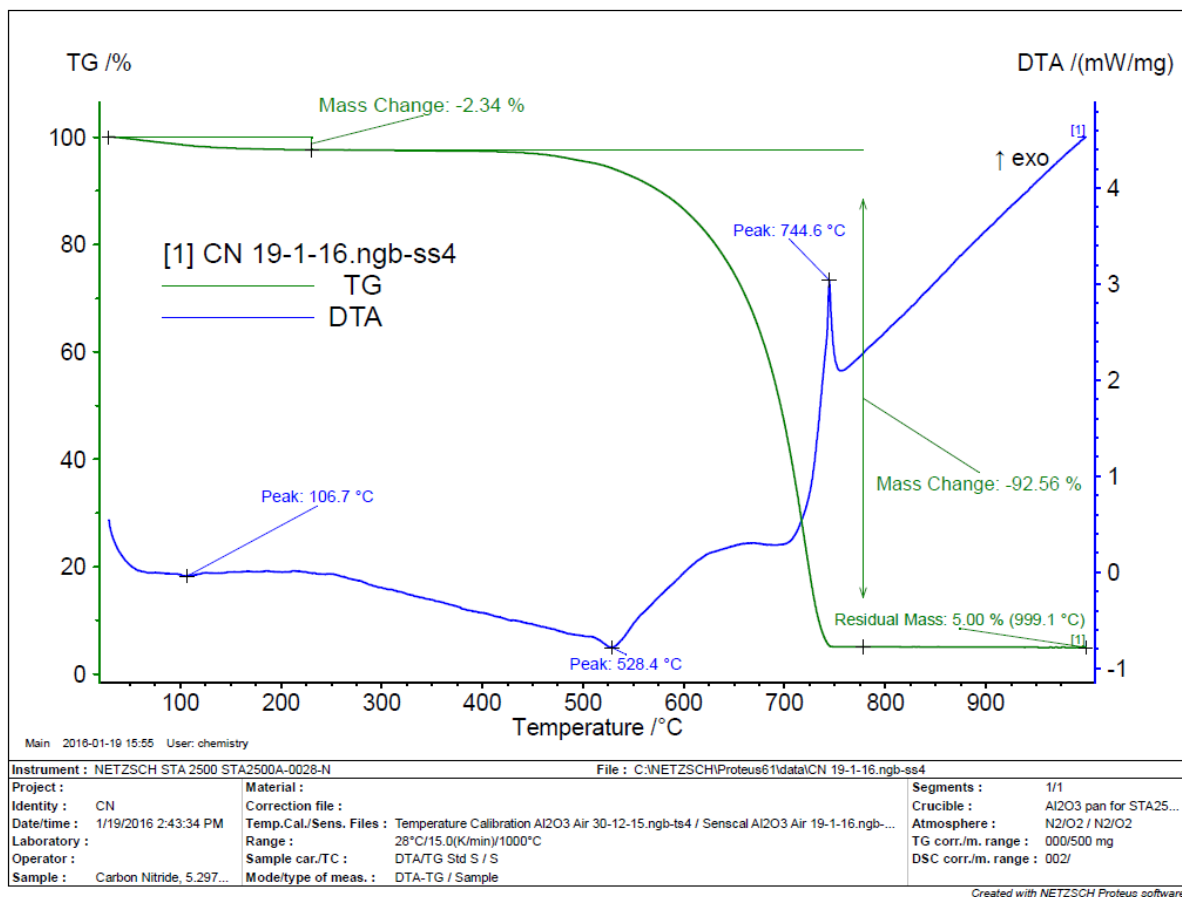


Fig. S2. TG/DTA curves of Mesoporous graphitic carbon nitrides

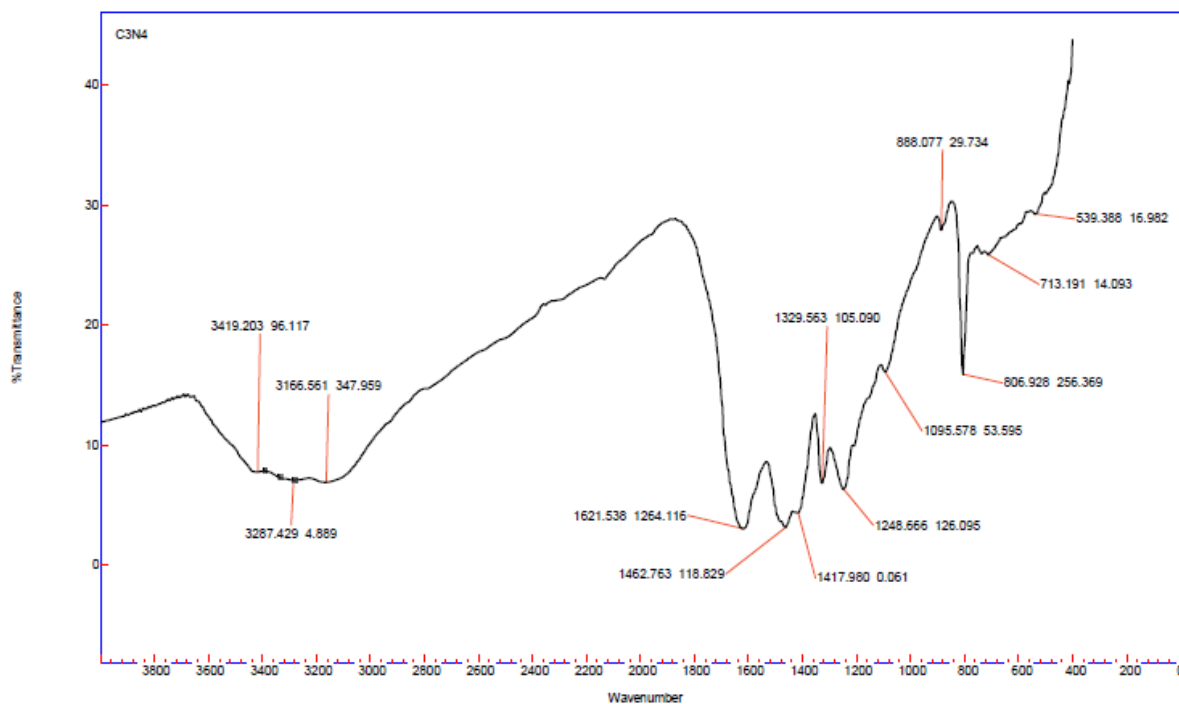


Fig. S3. FTIR spectrum of Mesoporous graphitic carbon nitrides

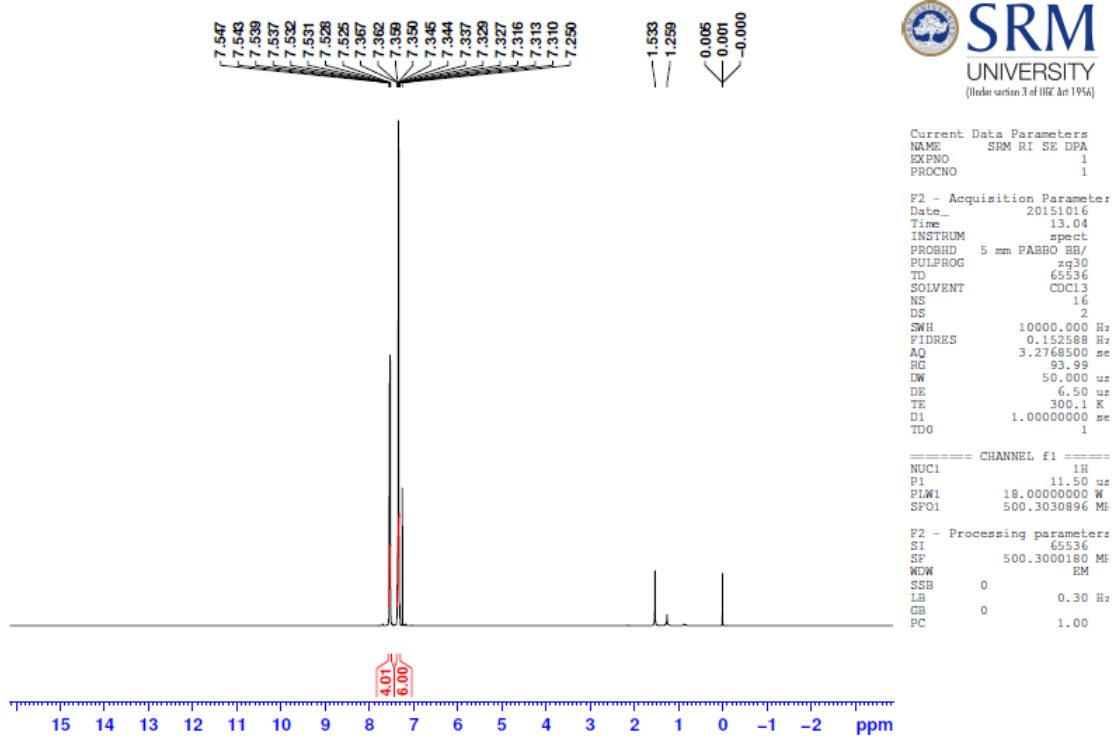


Fig. S4. ^1H NMR spectrum of the product diphenyl acetylene

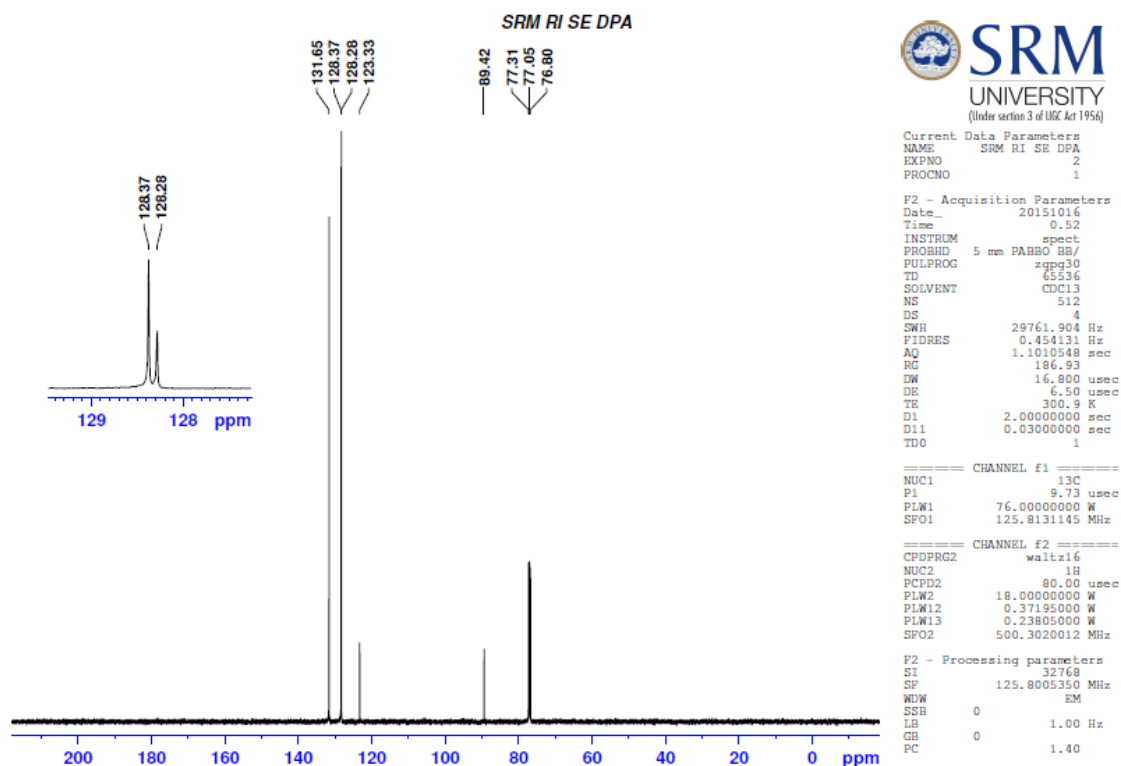


Fig. S5. ^{13}C NMR spectrum of the product diphenyl acetylene

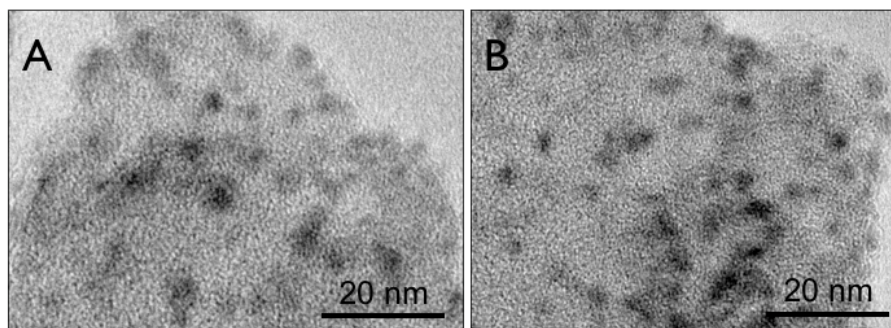


Fig. S6. TEM image of Pd(0)-MCN catalyst after: (A) First use and after 4 successive reuses.

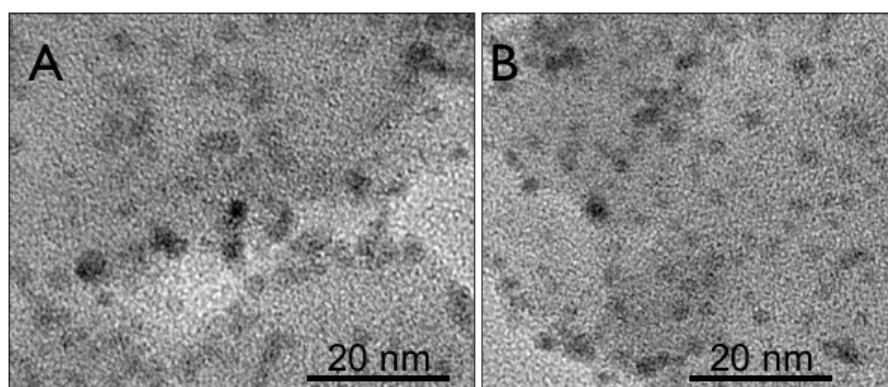


Fig. S7. TEM image of Pd(II)-MCN catalyst after: (A) First use and after 4 successive reuses.