Supporting Electronic Information (SEI):

Facile Synthesis, Characterization and Application of Highly Active Palladium Nano-network Structures Supported on Electrospun Carbon Nanofibers

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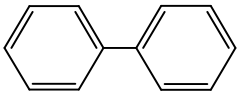
Characterization of the Products

1. Biphenyl, CAS: 92-52-4



^{1}H NMR ($CDCl_3$, 400 MHz, ppm): δ 7.35 (*t*, 2H,J=7.2), 7.45 (*t*, 4H, J = 7.6 Hz), 7.59 (*d*, 4H, J = 8.0 Hz). ^{13}C {1H} NMR ($CDCl_3$, 100 MHz, ppm): 127.19(C), 127.27(C), 128.77 (C), 141.25 (C).

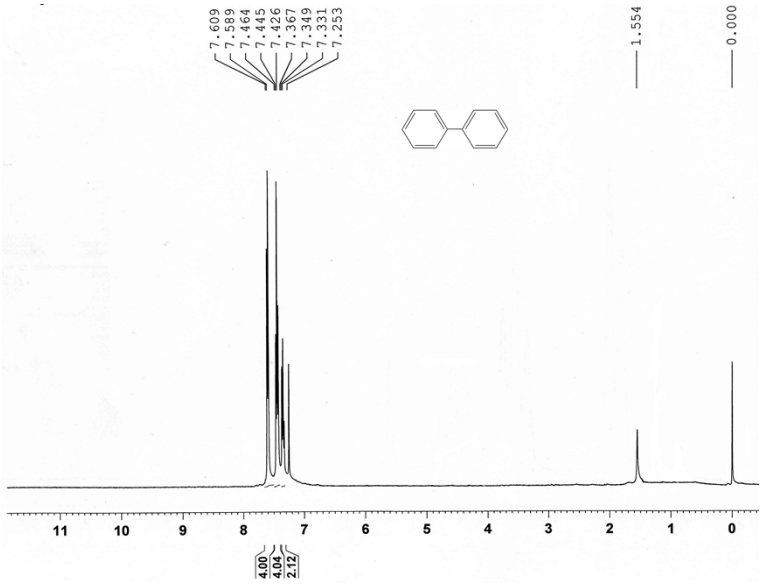


Figure S1. ^{1}H NMR of Biphenyl in $CDCl_3$ solution.

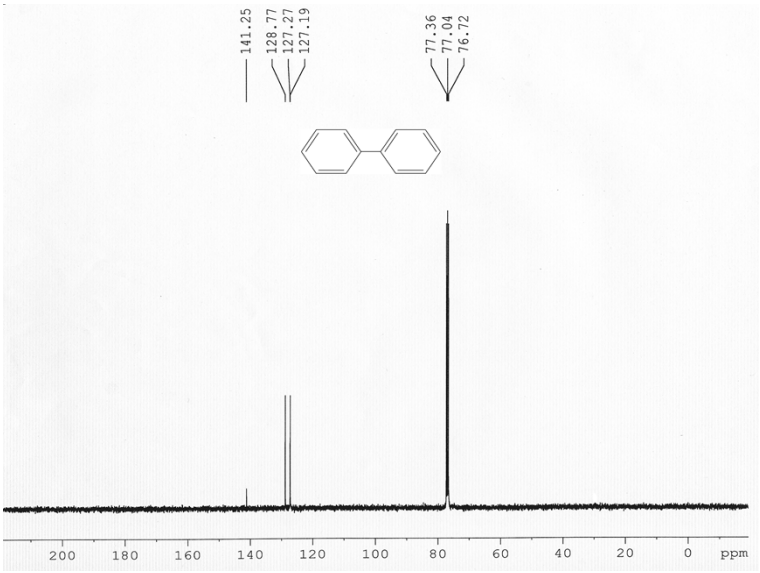
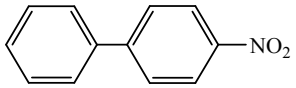


Figure S2. ^{13}C NMR of Biphenyl in $CDCl_3$ solution

2. 4-Nitrobiphenyl, CAS: 92-93-3



^{1}H NMR ($CDCl_3$, 400 MHz, ppm): δ 7.49(*m*, 3H, J=7.2), 7.62(*d*, 2H, J=8.0), 7.74(*d*, 2H, J=8.0), 8.30(*d*, 2H, J=8.0). ^{13}C {1H} NMR ($CDCl_3$, 100 MHz, ppm): 124.41(C), 127.39(C), 127.80 (C), 128.92(C), 138.79 (C), 147.12 (C), 147.64 (C).

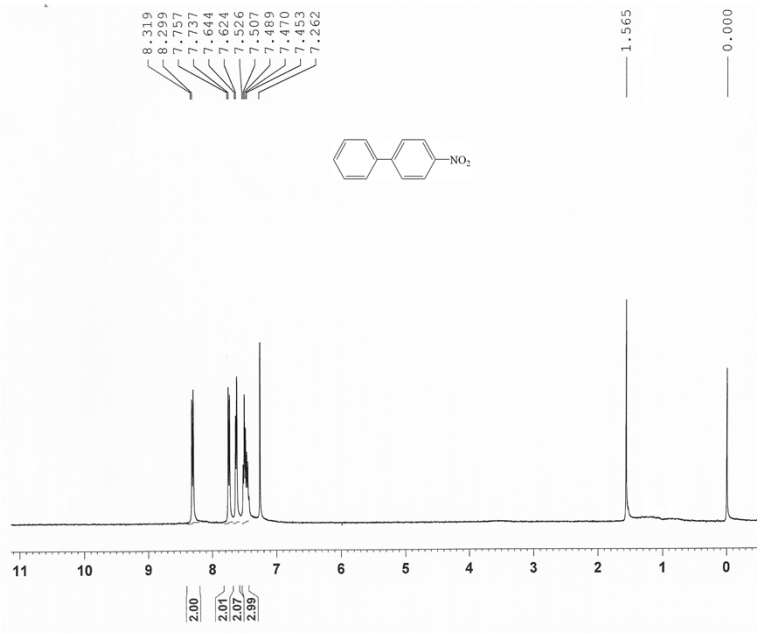


Figure S3. ^{1}H NMR of 4-Nitrobiphenyl in $CDCl_3$ solution.

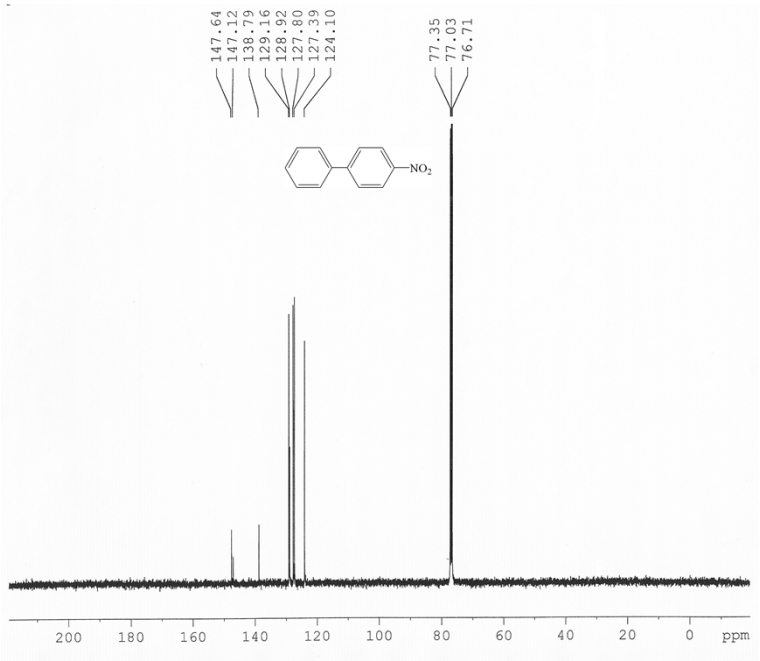
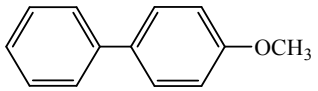


Figure S4. ^{13}C NMR of 4-Nitrobiphenyl in $CDCl_3$ solution.

3. 4-Methoxybiphenyl, CAS: 613-37-6



^{1}H NMR ($CDCl_3$, 400 MHz, ppm): δ 3.86 (s, 3H), 6.97(*d*, 2H, J=8.4), 7.30(*d*, 1H, J=7.6), 7.42(*t*, 2H, J=7.6), 7.54(*t*, 4H, J=8.4). ^{13}C {1H} NMR ($CDCl_3$, 100 MHz, ppm): 55.37(C),127.39(C), 114.20 (C), 126.67 (C), 126.75 (C), 128.17 (C), 128.73 (C), 133.78 (C), 140.83 (C), 159.13 (C).

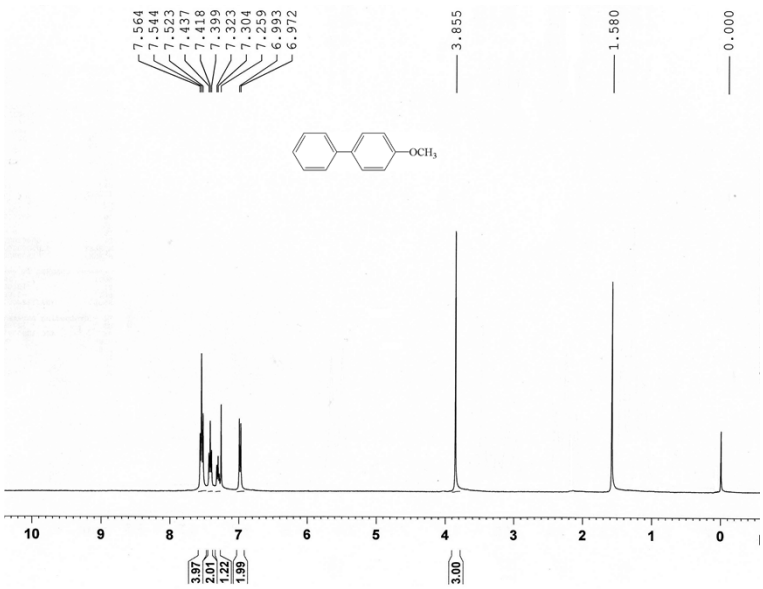


Figure S5. ^{1}H NMR of 4-Methoxybiphenyl in $CDCl_3$ solution

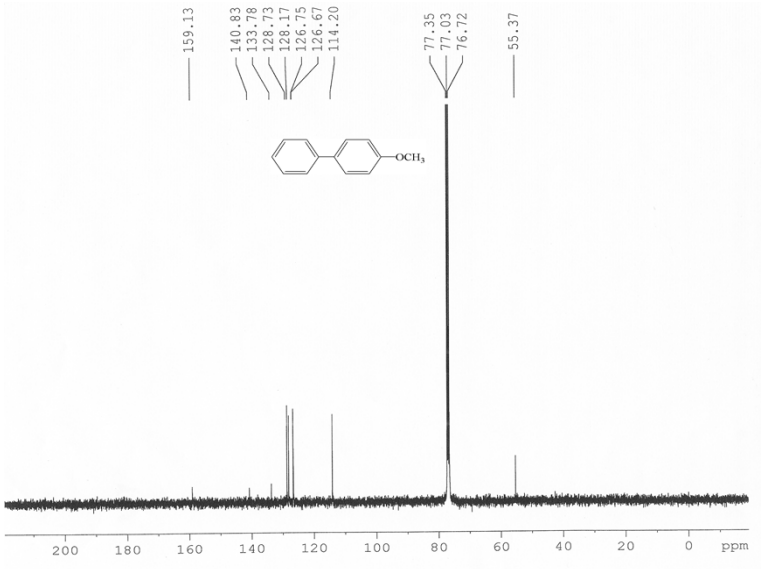


Figure S6. ^{13}C NMR of 4-Methoxybiphenyl in $CDCl_3$ solution