

Supporting Information

Highly Dispersed Noble Metal Nanoparticle Composites on Biomass-Derived Carbon-Based Carriers: Synthesis, Characterization, and Catalytic Applications

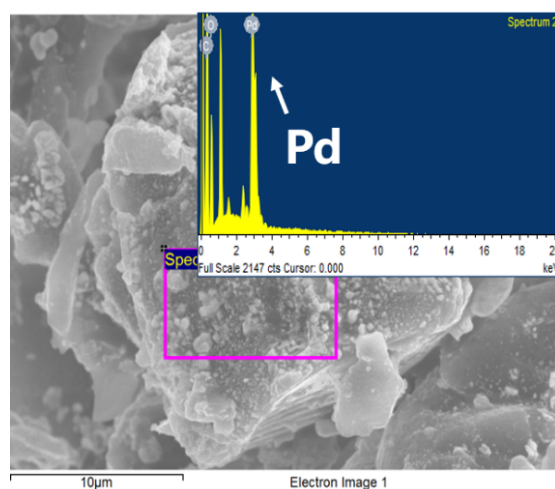


Fig. S1. EDS spectrum under SEM of Pd/p-C nanocomposites.

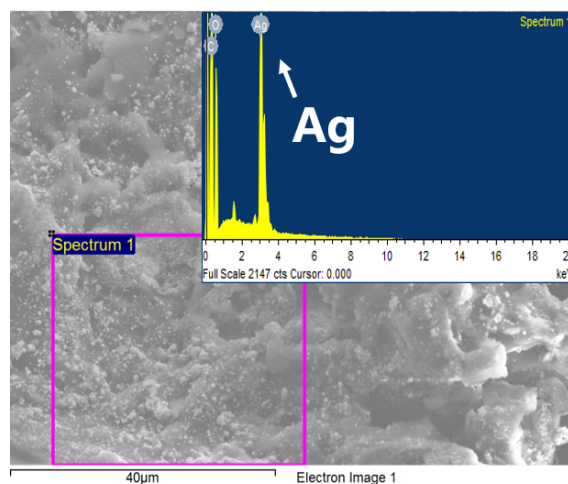


Fig. S2. EDS spectrum under SEM of Ag/p-C nanocomposites.

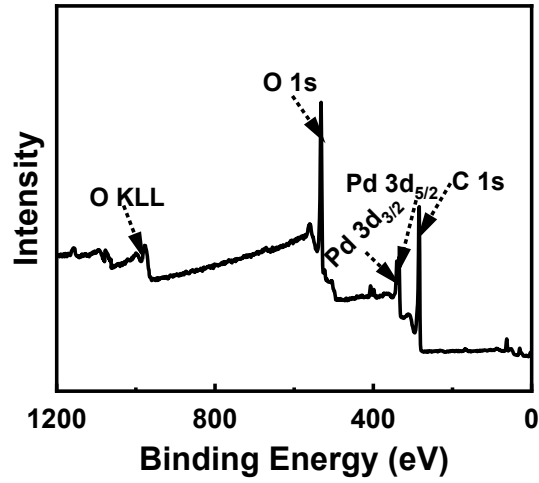


Fig. S3. XPS surveys of Pd/p-C nanocomposites.

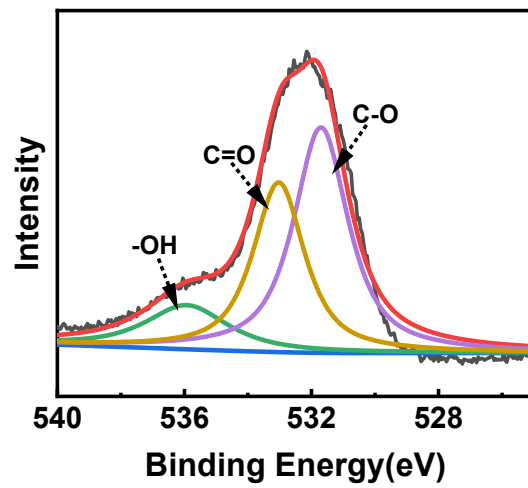


Fig. S4. High-resolution O 1s XPS spectra of Pd/p-C nanocomposites.

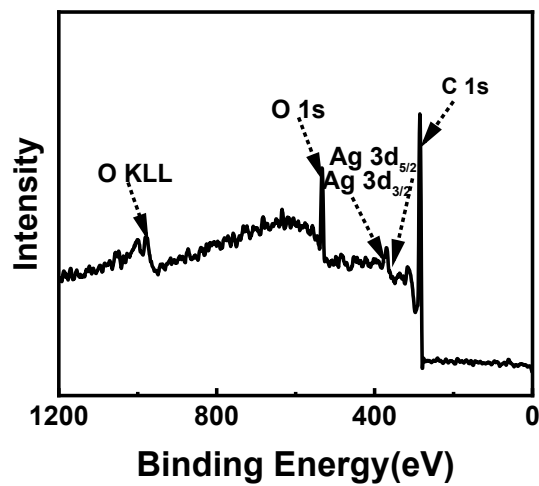


Fig. S5. XPS surveys of Ag/p-C nanocomposites.

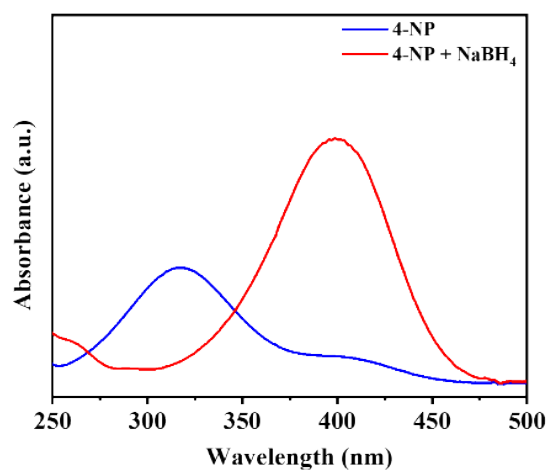


Fig. S6. UV-vis absorption spectra of 4-NP and 4-NP added into NaBH₄ solution.

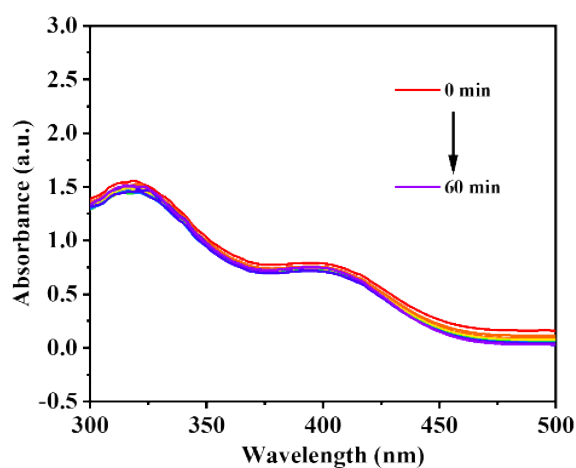


Fig. S7. UV-vis absorption spectra of the catalyst and 4-NP mixed solutions under the same conditions.

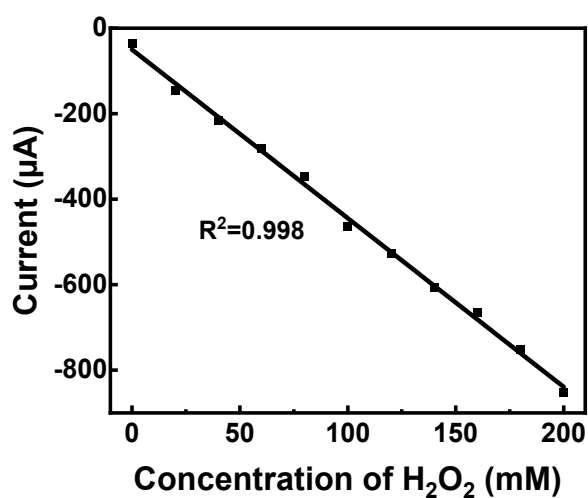


Fig. S8. Linear fitting program of the reduction peak currents with the H₂O₂ concentrations of Pd/p-C nanocomposites.

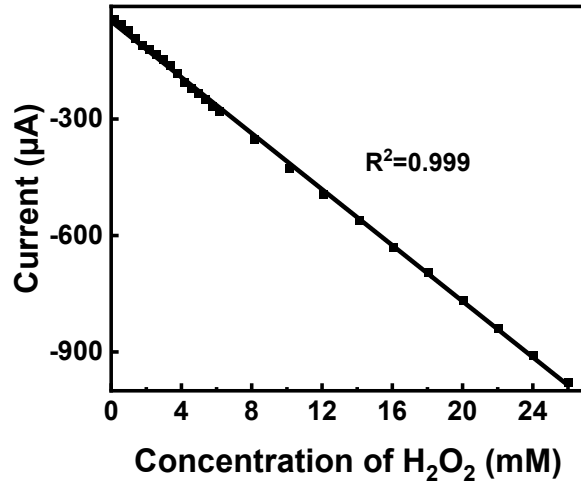


Fig. S9. Linear fitting program of the reduction peak currents with the H₂O₂ concentrations of Ag/p-C nanocomposites.

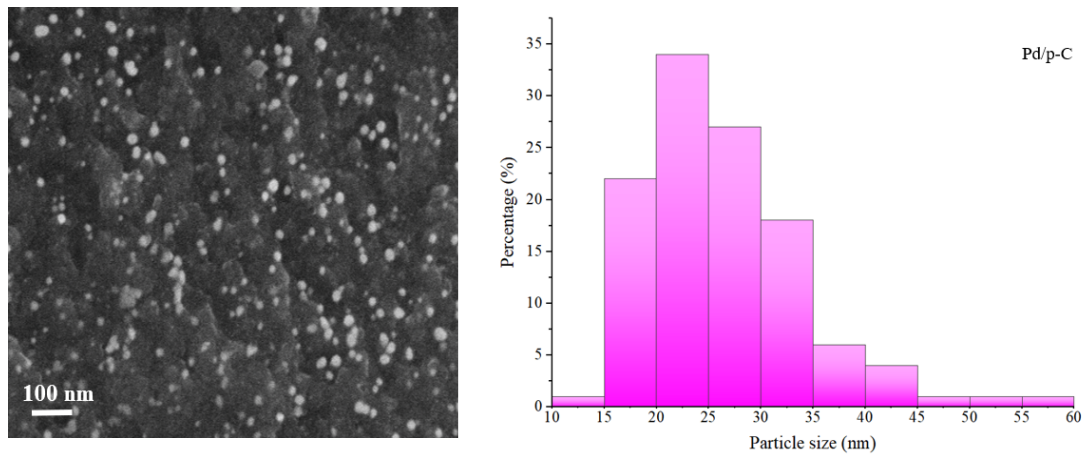


Fig. S10. SEM of Pd/p-C nanocomposites.

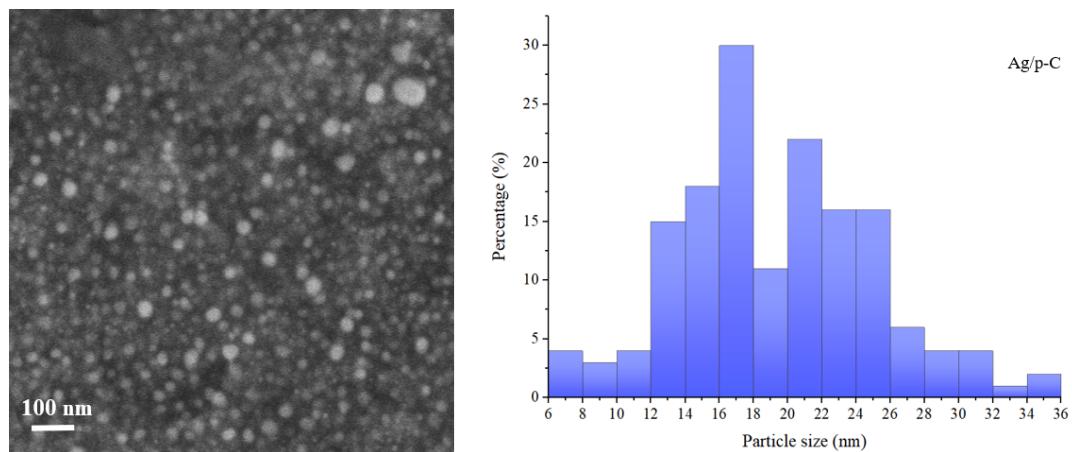


Fig. S11. SEM of Ag/p-C nanocomposites.

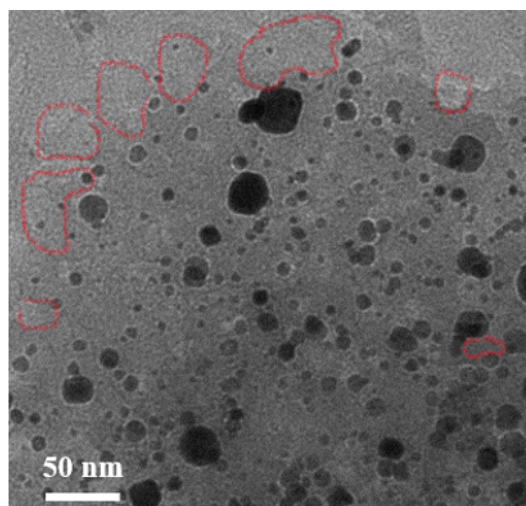


Fig. S12. TEM of Pd/p-C nanocomposites.

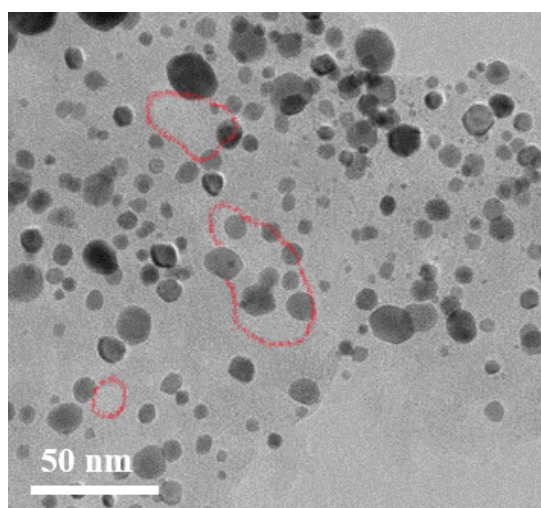


Fig. S13. TEM of Ag/p-C nanocomposites.

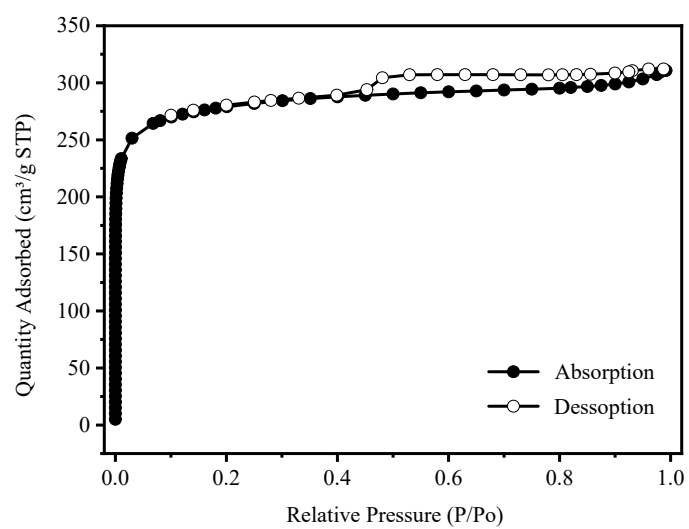


Fig. S14 N₂ adsorption and desorption curves of Ag/p-C nanocomposites at 77K.