

Supplementary Materials

H₂ Production from Formic Acid Using Highly Stable Carbon-Supported Pd-Based Catalysts Derived from Soft-Biomass Residues: Effect of Heat Treatment and Functionalization of the Carbon Support

Jessica Alejandra Chaparro-Garnica ¹, Miriam Navlani-García ¹, David Salinas-Torres ², Emilia Morallón ² and Diego Cazorla-Amorós ^{1,*}

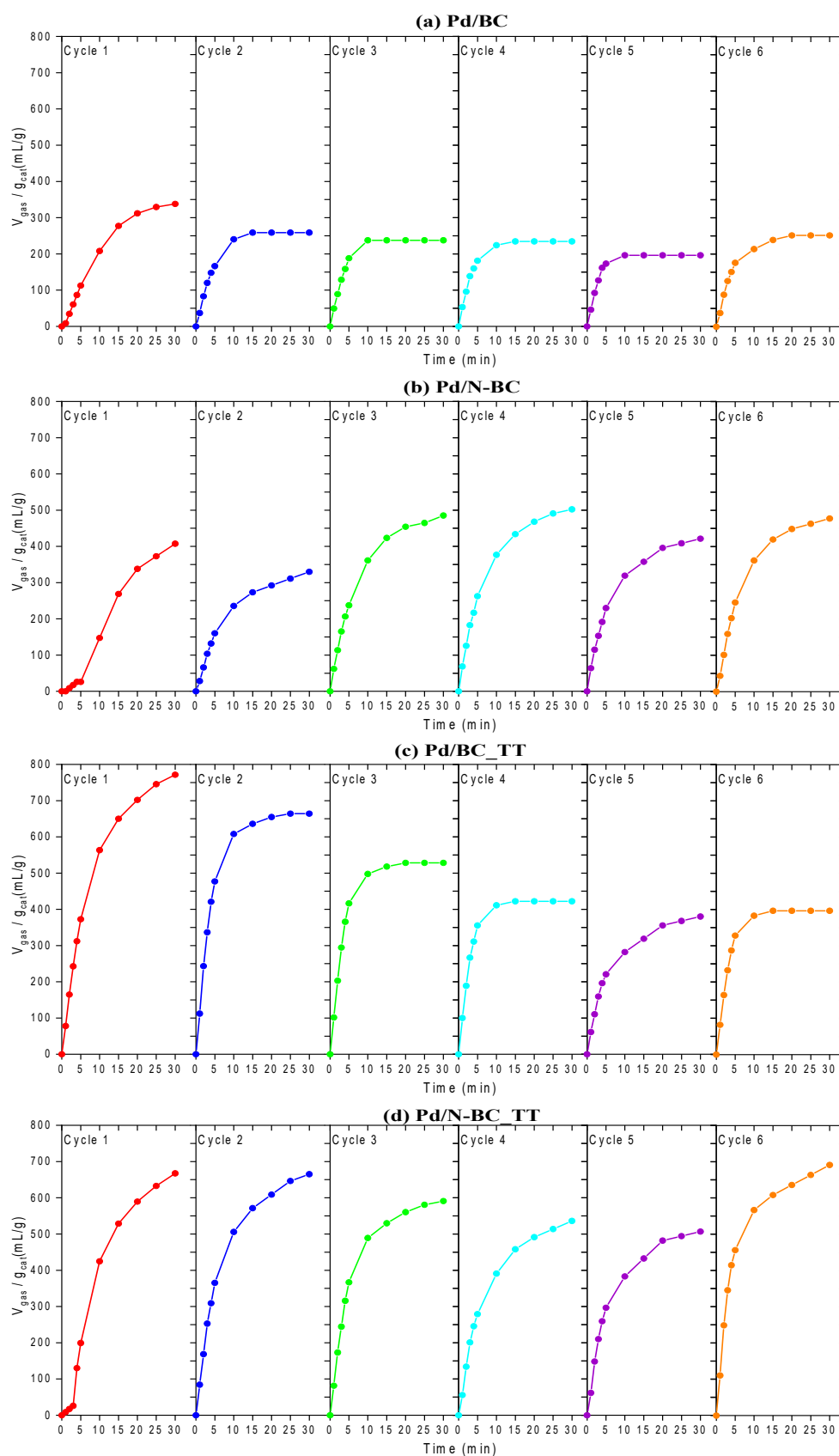


Figure S1. Gas evolution profiles ($\text{H}_2 + \text{CO}_2$) achieved for the all cycles for: (a) Pd/BC, (b) Pd/N-BC, (c) Pd/BC_TT, and (d) Pd/N-BC_TT.

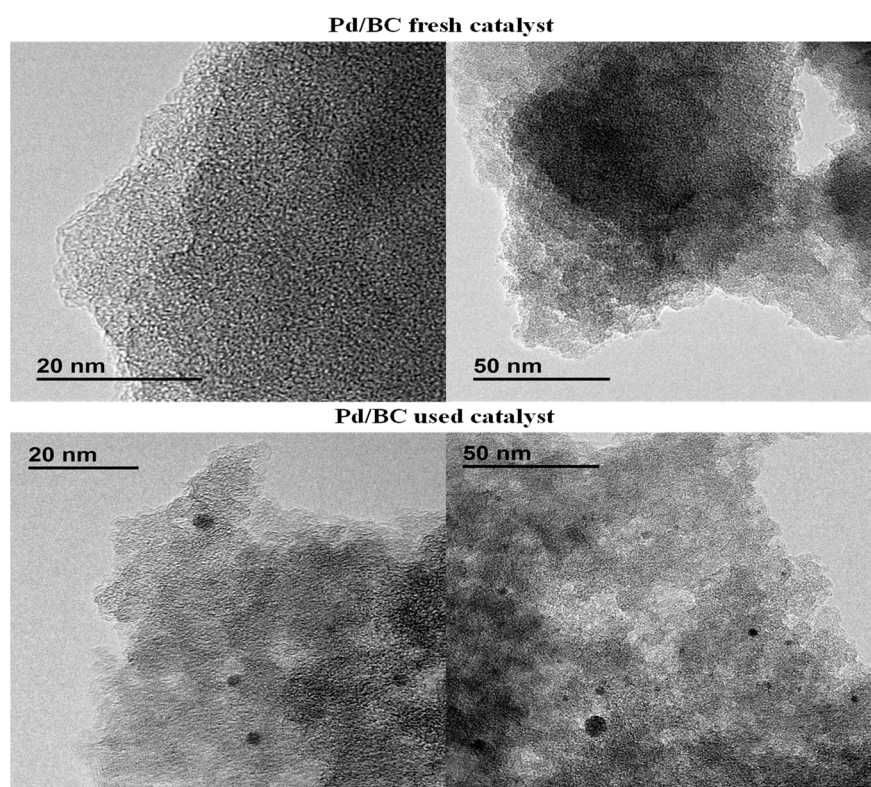


Figure S2. TEM micrographs for Pd/BC catalyst fresh and used after 6 cycles.

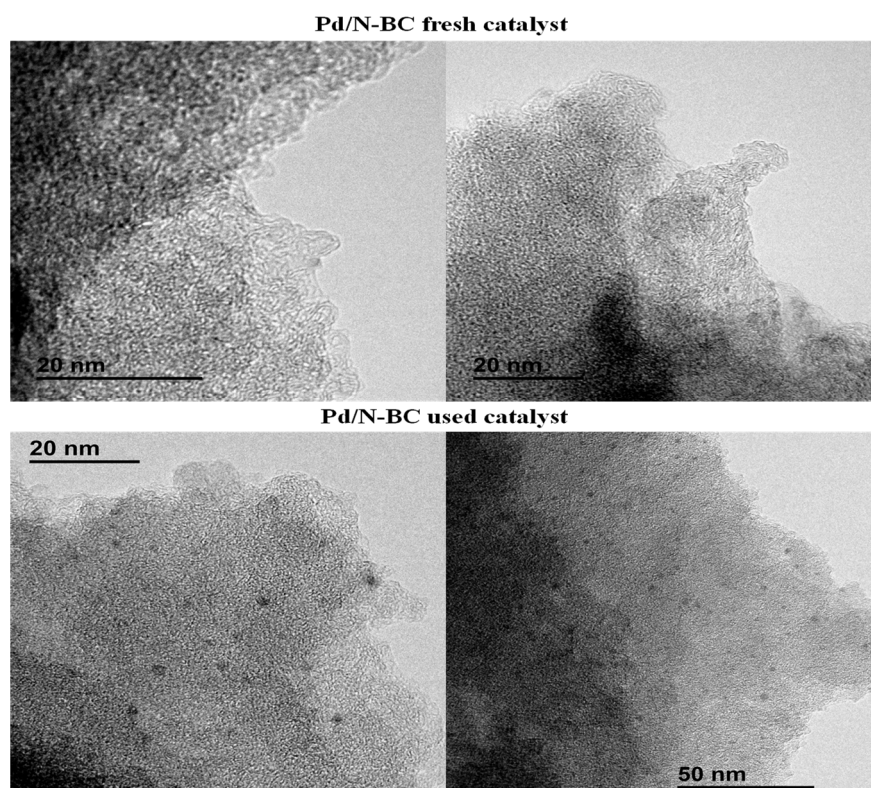


Figure S3. TEM micrographs for Pd/N-BC catalyst fresh and used after 6 cycles.

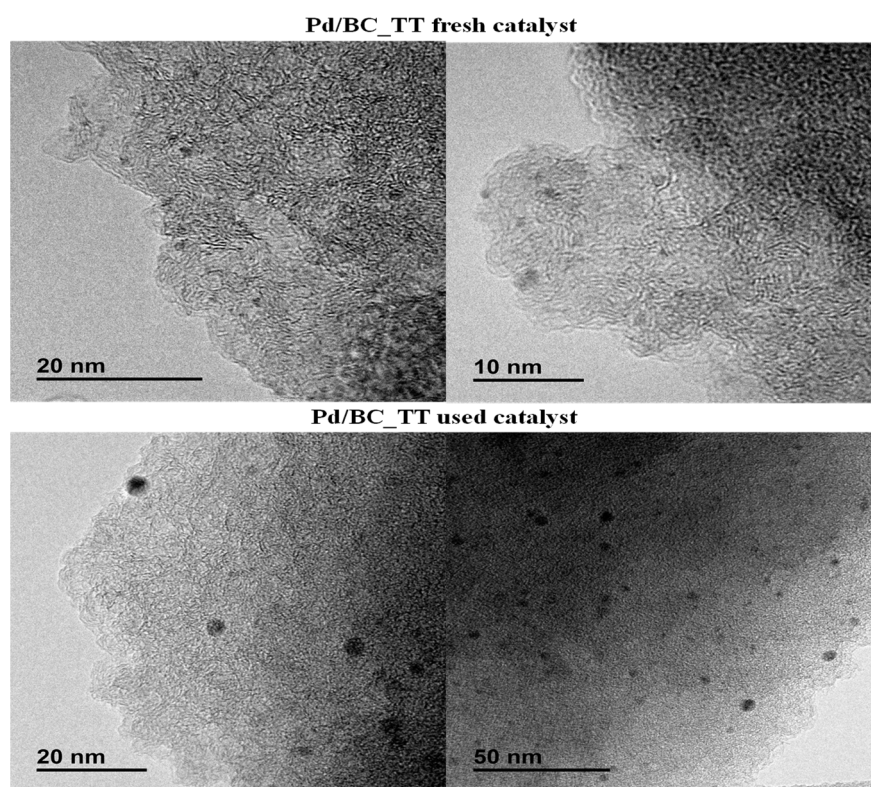


Figure S4. TEM micrographs for Pd/BC_TT catalyst fresh and used after 6 cycles.

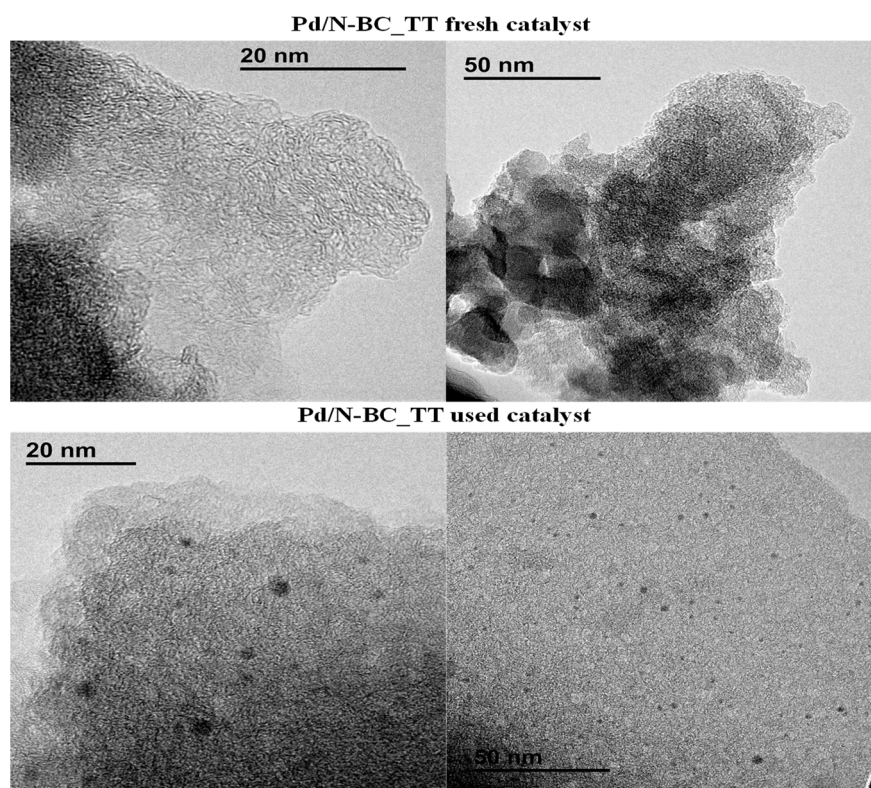


Figure S5. TEM micrographs for Pd/N-BC_TT catalyst fresh and used after 6 cycles.

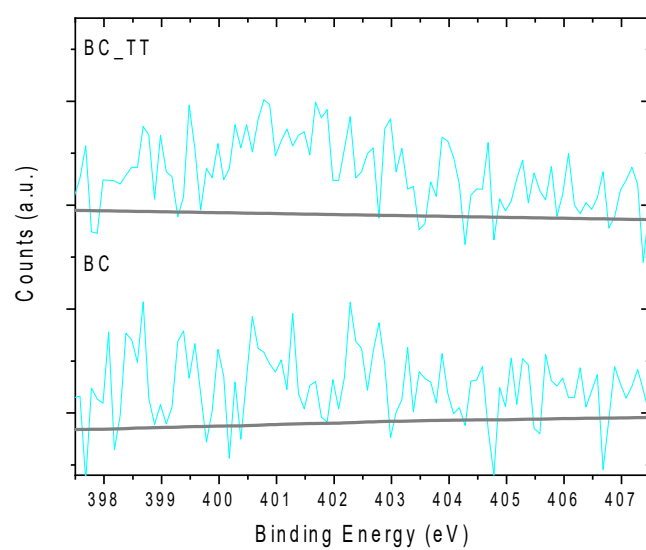


Figure S6. XPS N1s spectra of the BC and BC_TT.