

Supplementary Materials

A new heterogeneous catalyst obtained via supramolecular decoration of graphene with a Pd²⁺ azamacrocyclic complex.

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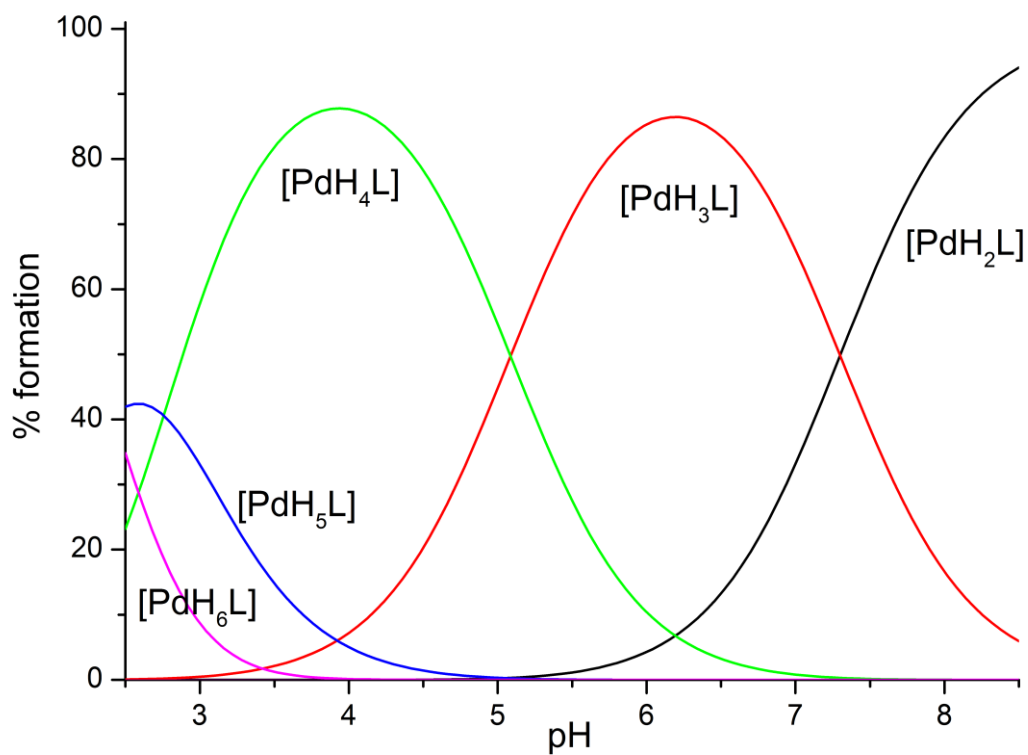


Figure S1. Distribution diagram of the Pd^{2+} complexes formed by H_2L as a function of pH. $[\text{Pd}^{2+}] = [\text{H}_2\text{L}] = 1 \times 10^{-3} \text{ M}$. Charges omitted.

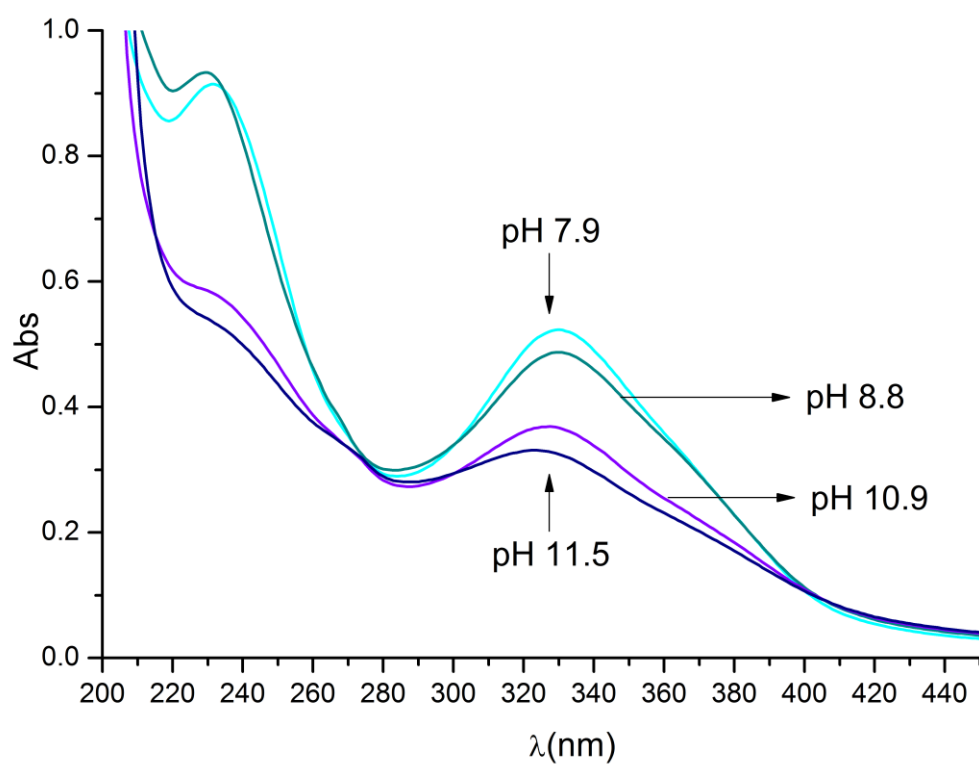
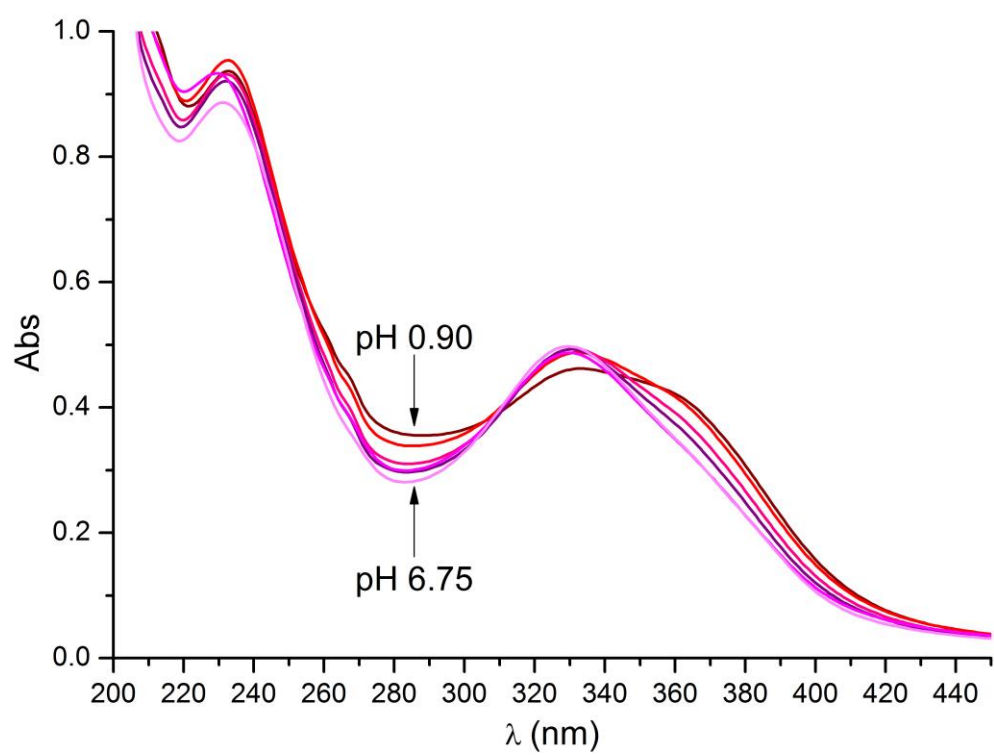


Figure S2. UV spectra of H₂L at different pH values.

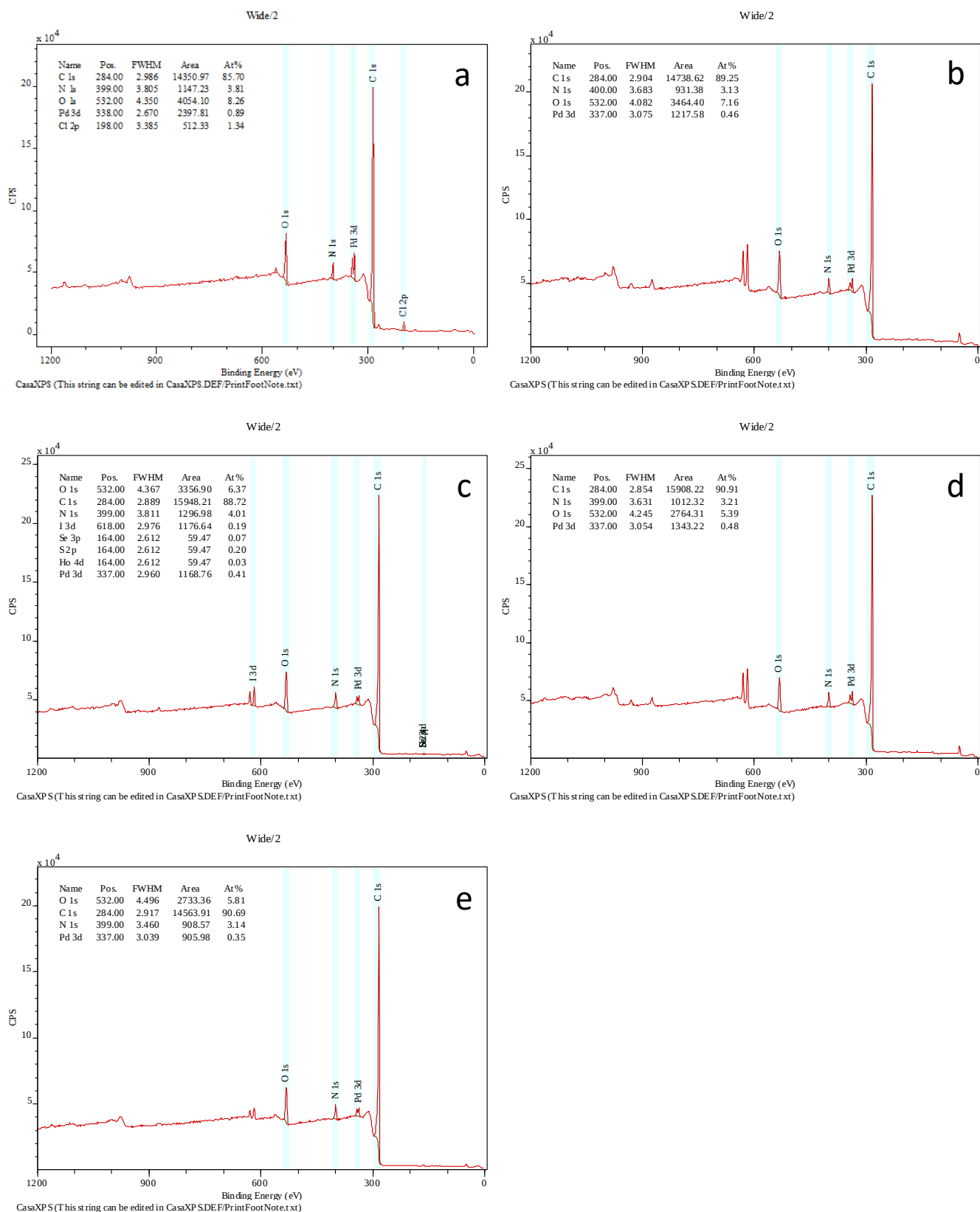


Figure S3. XPS survey (with areas) of fresh G-(H₂L)-Pd catalyst (a) and of the same after 1 (b), 2 (c), 3 (d) and 4 (e) catalytic cycles.

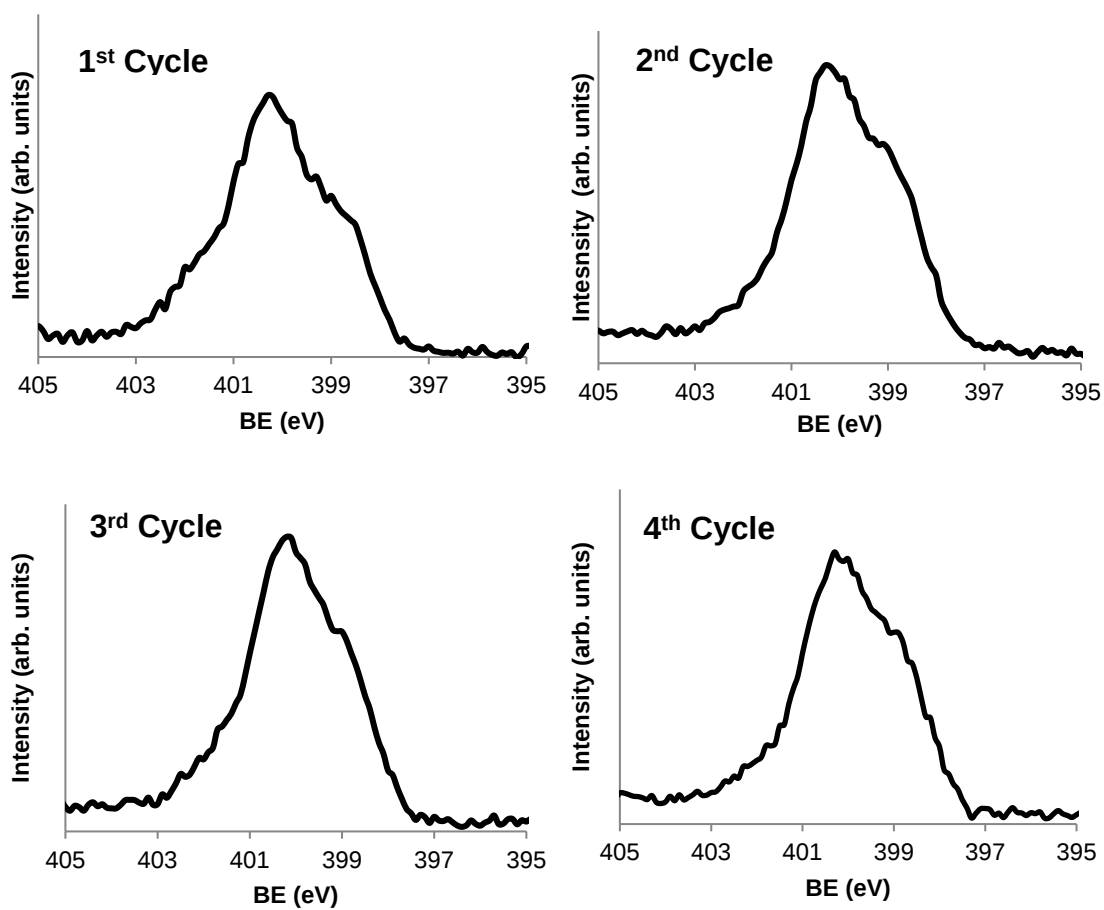


Figure S4. XPS spectra in the N1s region of the re-used G-(H₂L)-Pd catalyst (1-4 cycles).