

Supporting Information

Metal nanoparticle loading of gel-brush grafted fibers in membranes for catalysis

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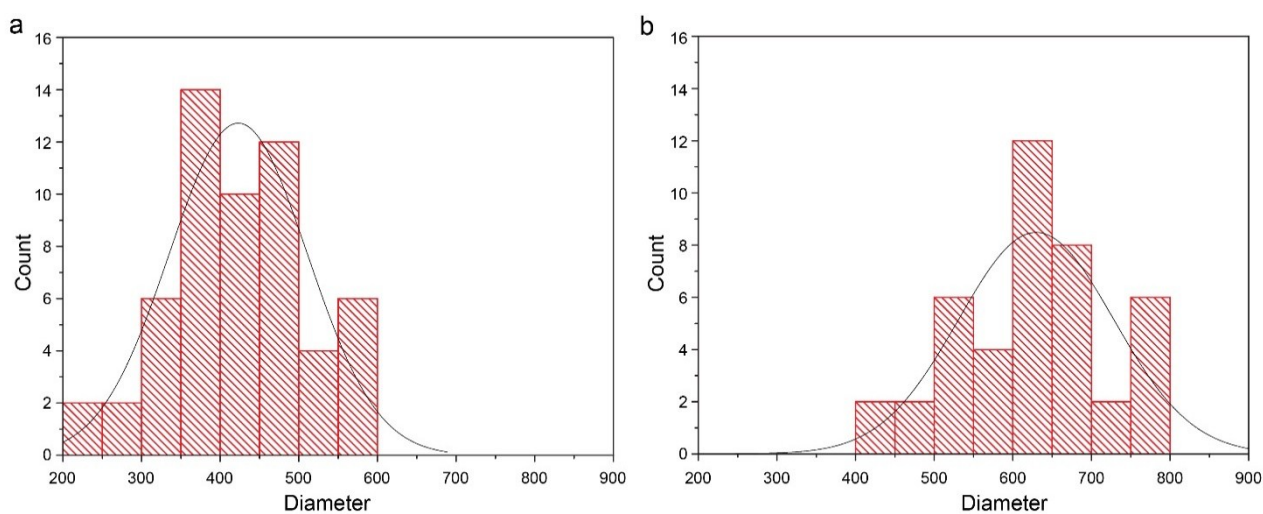


Figure S1. Distribution of fibers' diameter in the electrospun membranes. (a) Membranes decorated with initiators. (b) PHEMA gel-brush decorated porous membranes.

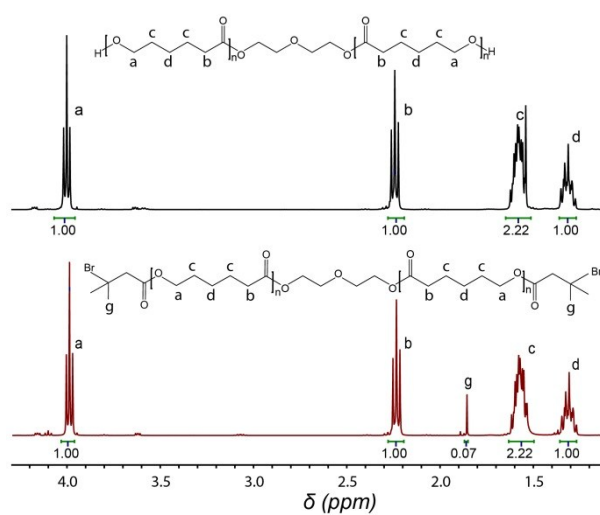


Figure S2. ¹H NMR spectra of OH-PCL-OH and the initiator Br-PCL-Br.

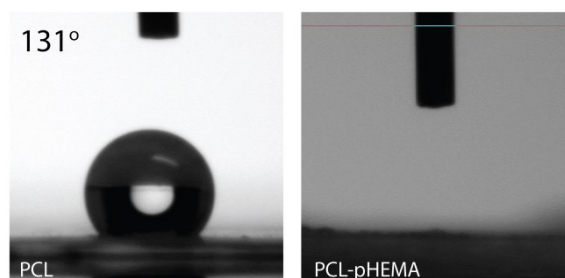


Figure S3. Contact angle of the porous membranes. (a) PCL porous membrane without modification. (b) PCL-PHEMA gel-brush hybrid membrane.

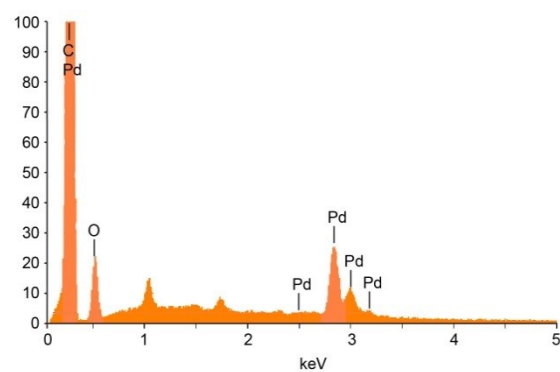


Figure S4. EDX spectra of the catalytically active membrane.

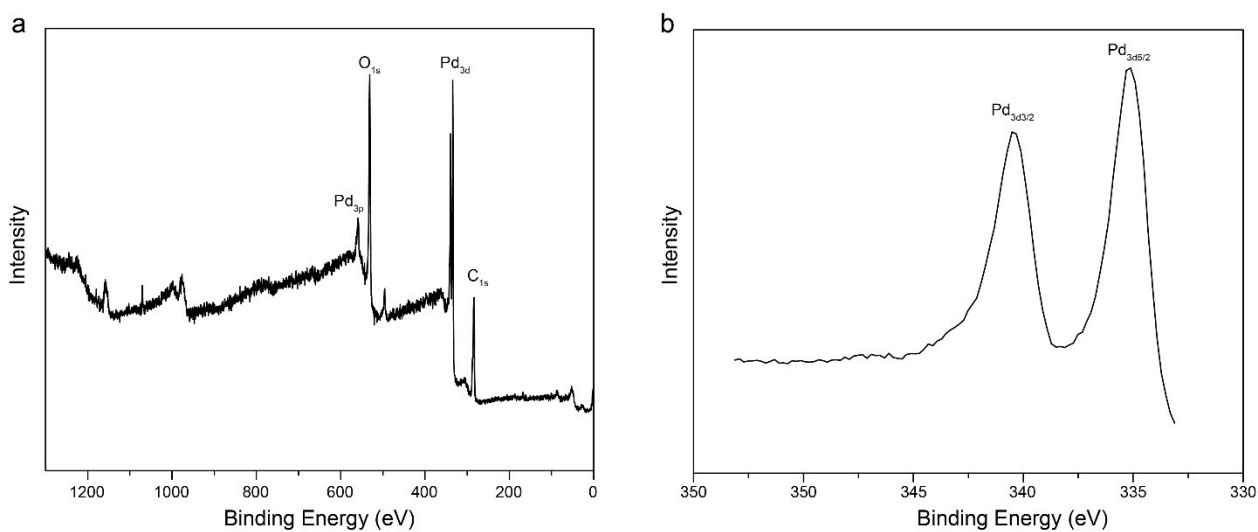


Figure S5. XPS spectra of catalytically active membrane.

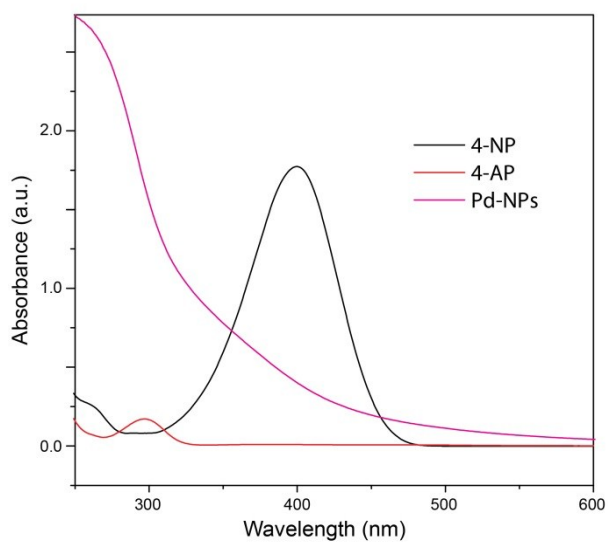


Figure S6. UV-Vis absorption spectra of Pd NPs.