

Supplementary Materials

Capping Agent Effect on Pd-Supported Nanoparticles in the Hydrogenation of Furfural

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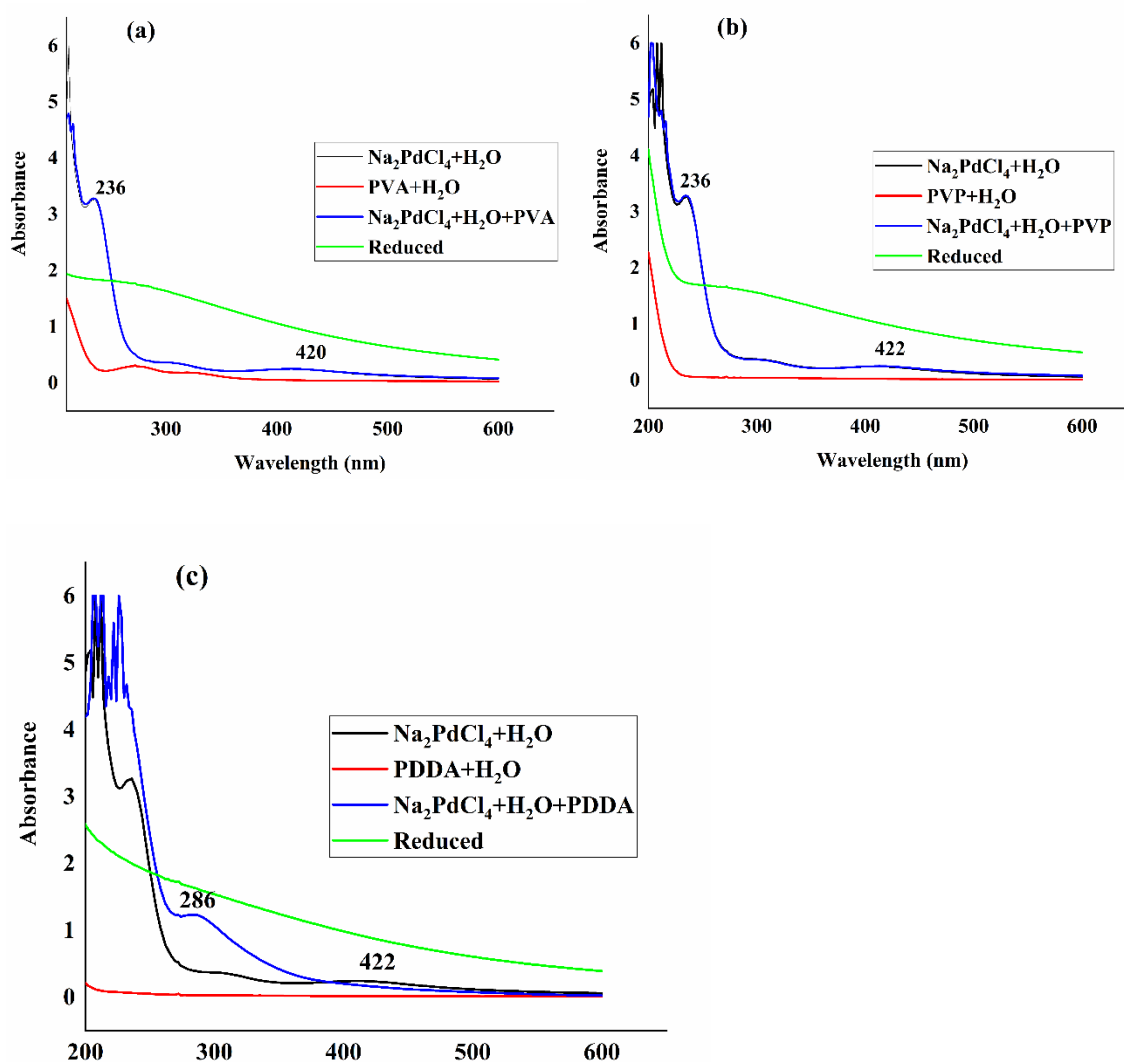
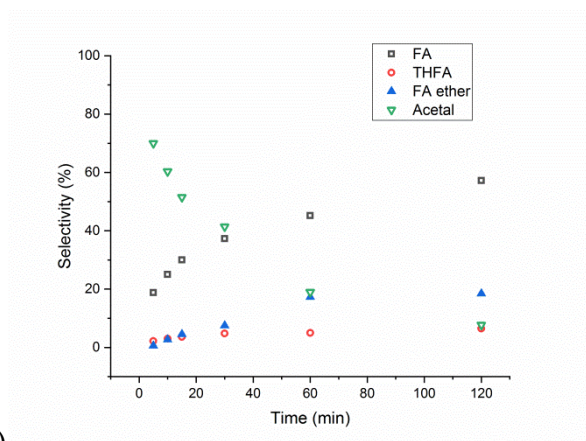
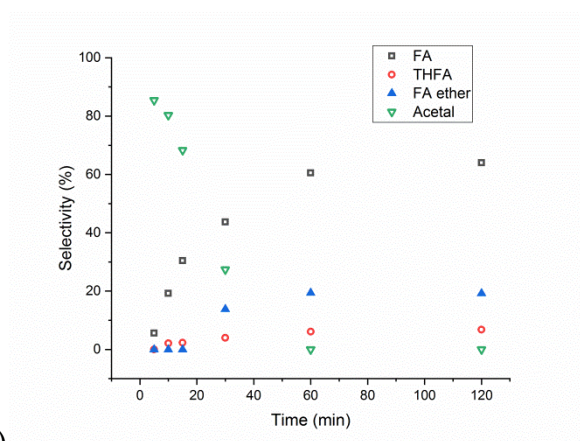


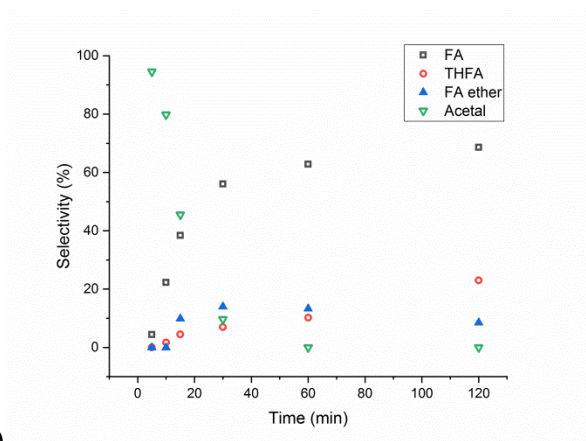
Figure S1. UV-vis spectra of (a) Pd/PVA sols in H₂O, (b) Pd/PVP sols in H₂O, and Pd/PDDA sols in H₂O.



b)



a)



c)

Figure S2 Selectivity vs time of reaction (a) PdPVA/C (b) PdPVP/C, and PdPDDA/C at 25°C.

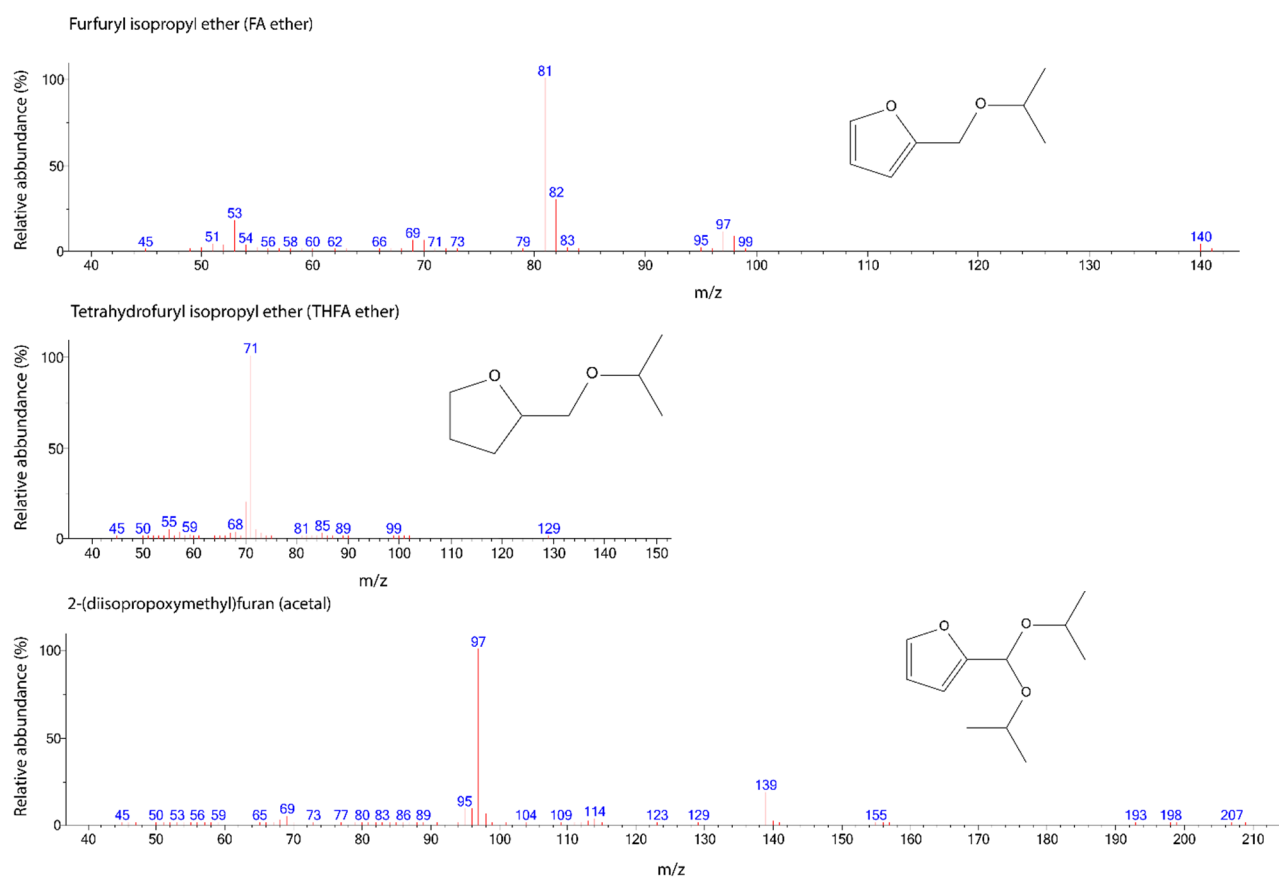


Figure S3 GC-MS results of the furfuryl isopropyl ether, tetrahydrofurfuryl isopropyl ether and 2-(diisopropoxymethyl)furan.

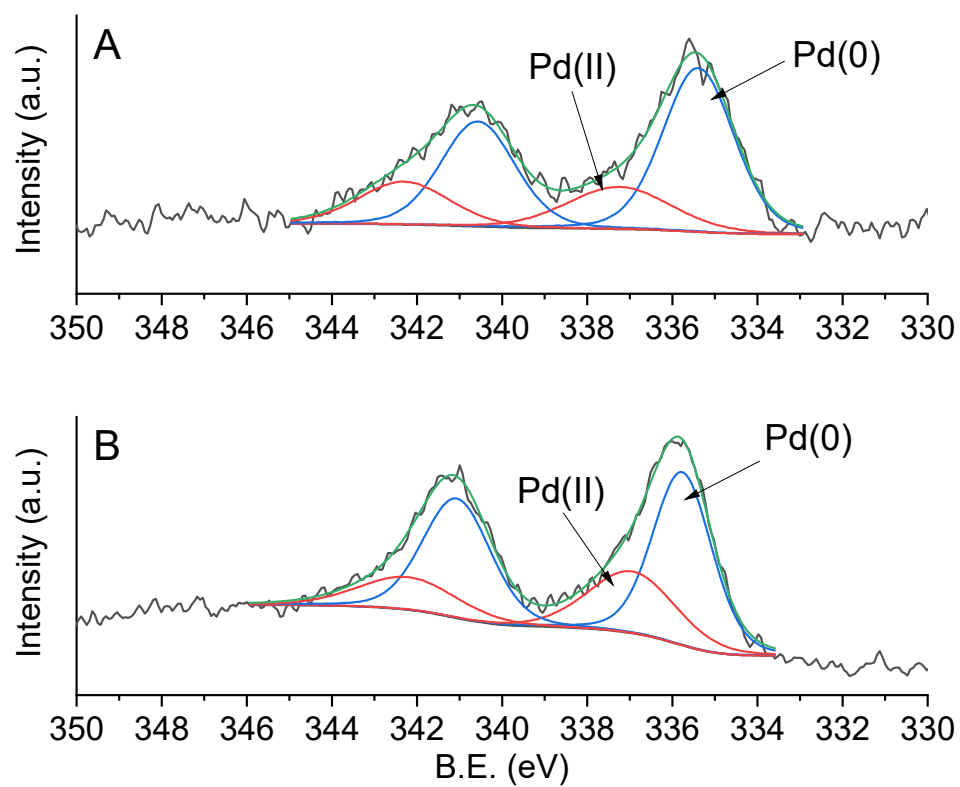


Figure S4 Fitting of XPS envelopes of (a) PdPVA/C used and (b) PdPVA/C, used and washed for Pd 3d.

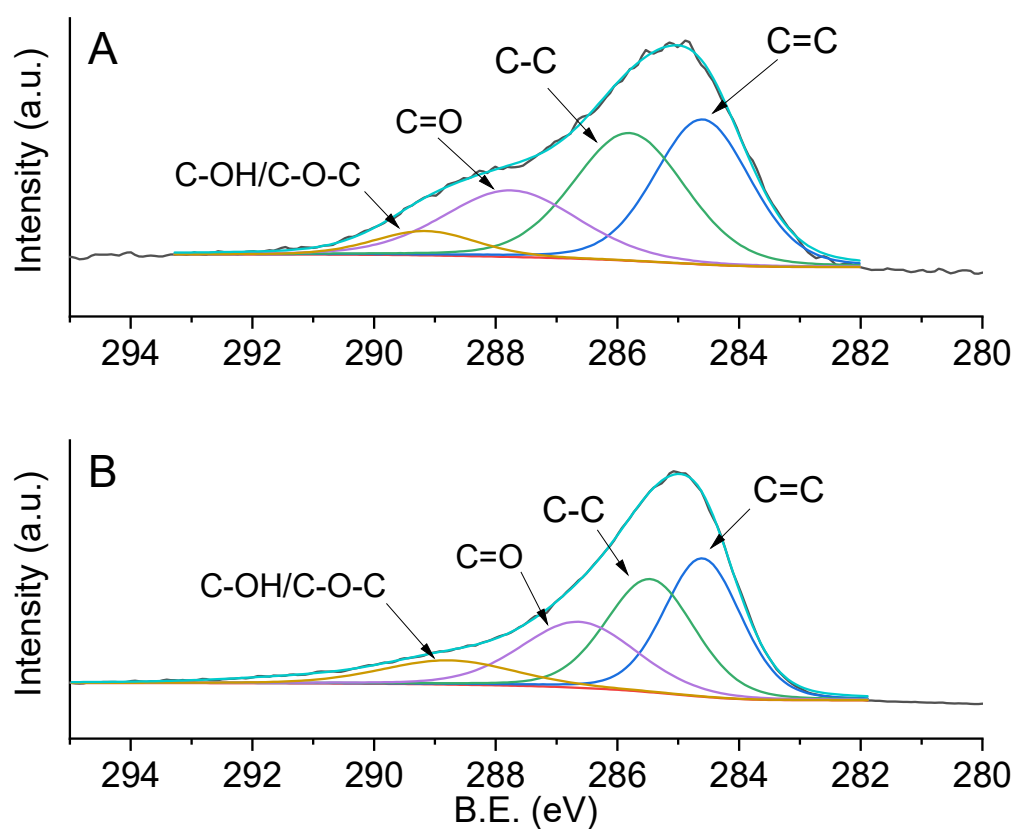


Figure S5 Fitting of XPS envelopes of (a) PdPVA/C used and (b) PdPVA/C, used and washed for C1s.

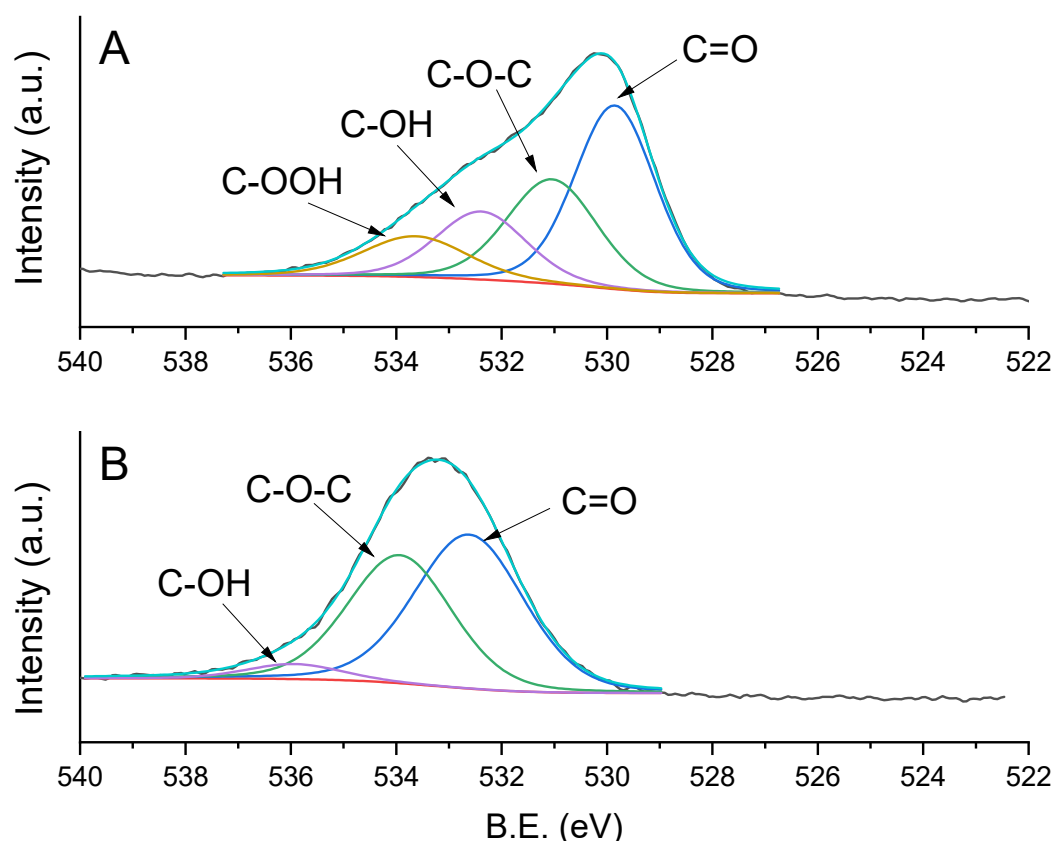


Figure S6 Fitting of XPS envelopes of (a) PdPVA/C used and (b) PdPVA/C, used and washed for O1s.