

Title	Comparing thermal and chemical removal of nanoparticle stabilizing ligands - effect on catalytic activity and stability
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Publication date	2018-11-16
Original Citation	Collins, G., Davitt, F., O'Dwyer, C. and Holmes, J. D. (2018) 'Comparing thermal and chemical removal of nanoparticle stabilizing ligands - effect on catalytic activity and stability', ACS Applied Nano Materials. doi:10.1021/acsanm.8b02019
Type of publication	Article (peer-reviewed)
Link to publisher's version	https://doi.org/10.1021/acsanm.8b02019 - 10.1021/acsanm.8b02019
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Download date	2024-04-19 22:06:59
Item downloaded from	https://hdl.handle.net/10468/7164

Supporting Information

Comparing Thermal and Chemical Removal of Nanoparticle Stabilizing Ligands - Effect on Catalytic Activity and Stability

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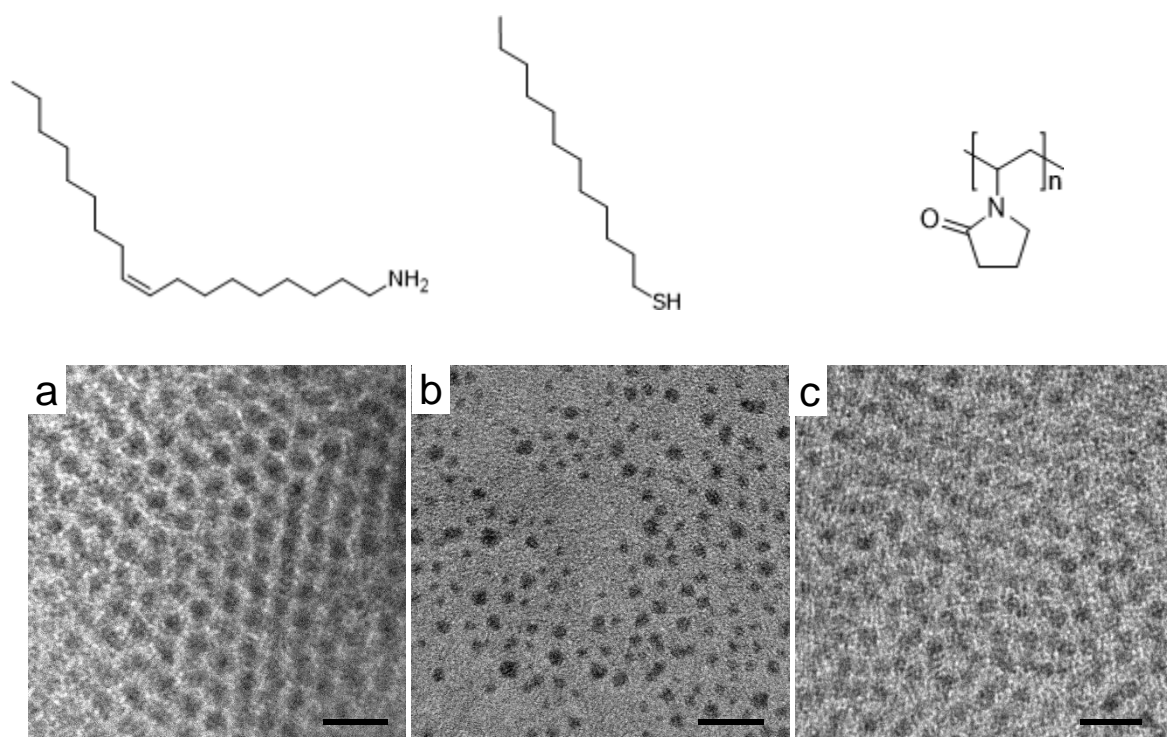


Figure S1: TEM image of Pd NPs stabilized by (a) OAm (b) DDT and (c) PVP capping ligands.

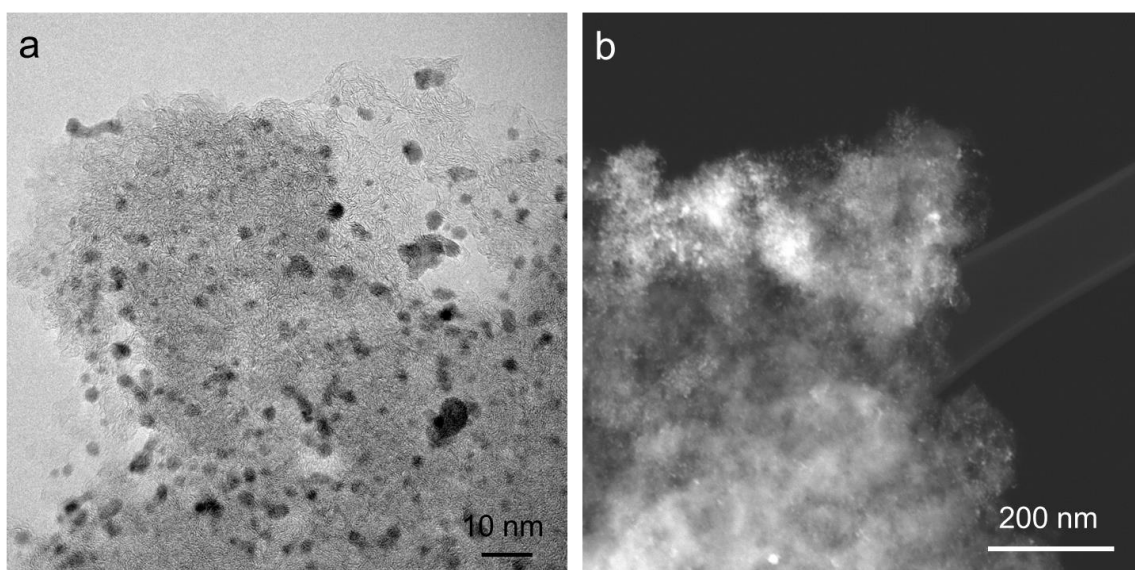


Figure S2: (a) TEM and (b) STEM analysis of commercial Pd/C catalyst used in reaction study.

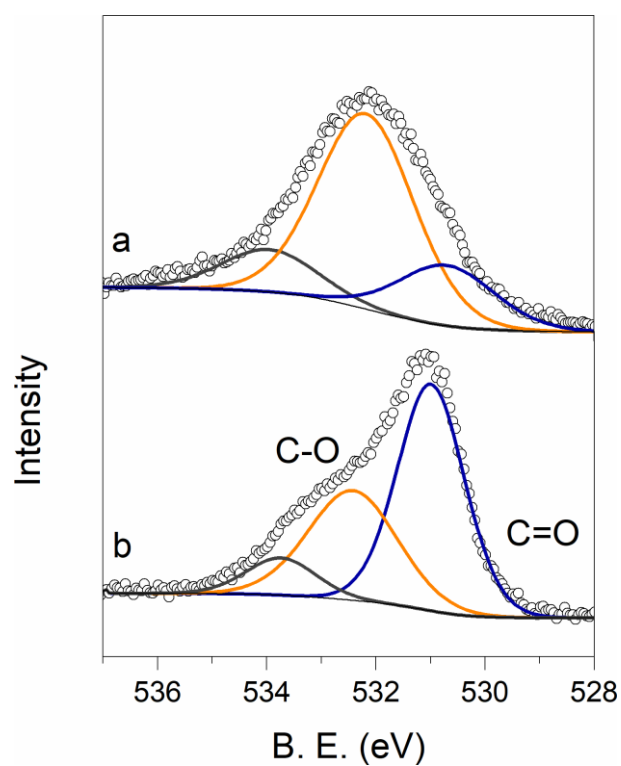


Figure S3. O 1s core level of OAm capped Pd NPs (a) before and (b) after chemical pretreatment with acetic acid (AcOH)

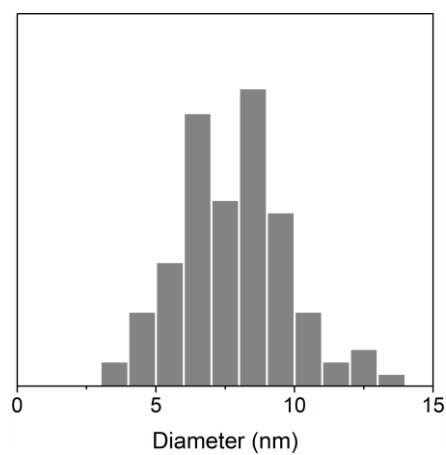


Figure S4. Size distribution of DDT stabilized Pd NPs after annealing treatment.

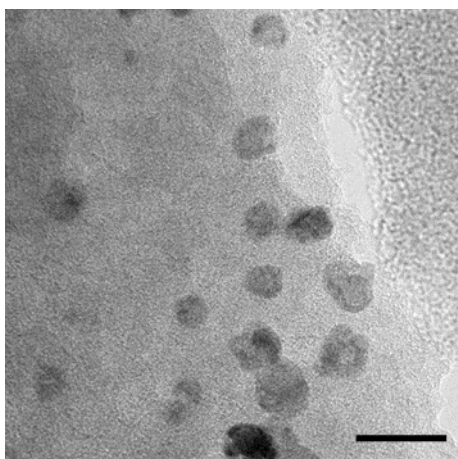


Figure S5. TEM image of PVP Pd NPs annealed at 450 °C. Scale bar = 20 nm.

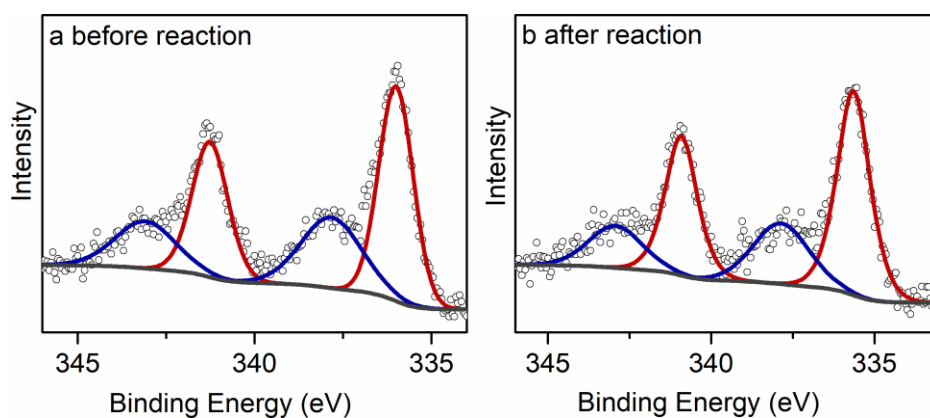


Figure S6: Pd 3d core level of PVP capped Pd NPs (a) before and (b) after the Suzuki cross coupling reaction.

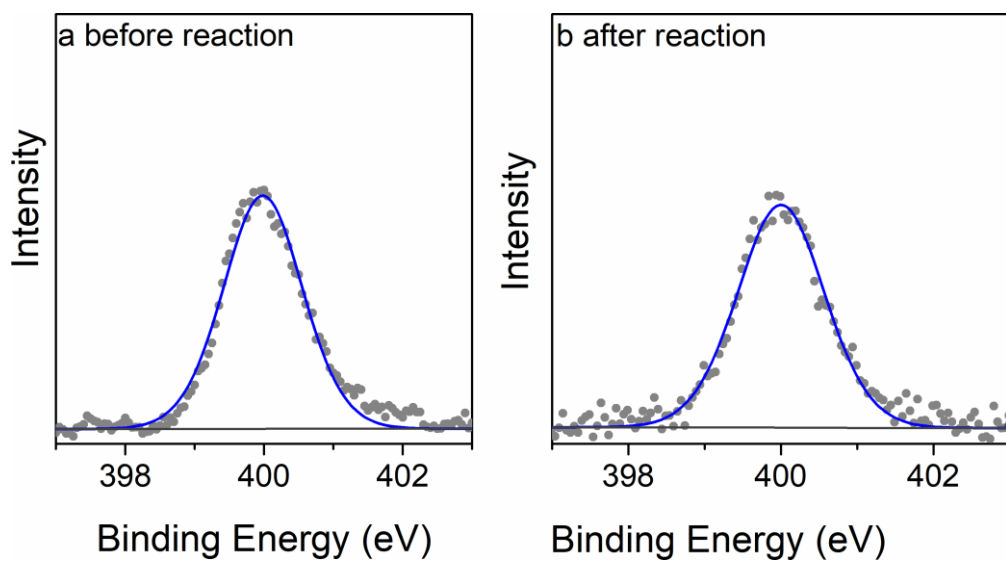


Figure S7. N 1s spectra of PVP-capped Pd NPs (a) before and (b) after the Suzuki cross coupling reaction.

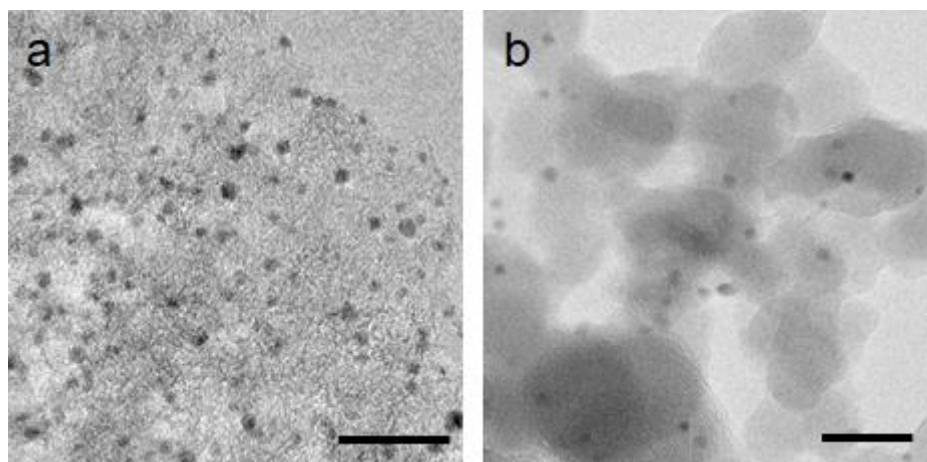


Figure S8. TEM image of PVP-stabilized Pd NPs (a) before and (b) after the Suzuki cross coupling reaction.