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Title	Comparing thermal and chemical removal of nanoparticle stabilizing ligands - effect on catalytic activity and stability
Authors	Collins, Gillian;Davitt, Fionán;O'Dwyer, Colm;Holmes, Justin D.
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	2026-11-06 23:18:19
Item downloaded from	https://hdl.handle.net/10468/7164

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Supporting Information

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

Gillian Collins,*[†, ‡, §] Fionán Davitt, [†, ‡, §] Colm O'Dwyer, [†, ‡] and Justin D. Holmes [†, ‡, §]

[†]School of Chemistry, University College Cork, Cork T12 YN60, Ireland

[‡]Tyndall National Institute, Lee Maltings, Cork T12 R5CP, Ireland

[§]*CRANN@AMBER*, Trinity College Dublin, Dublin 2, Ireland.

Email: g.collins@ucc.ie

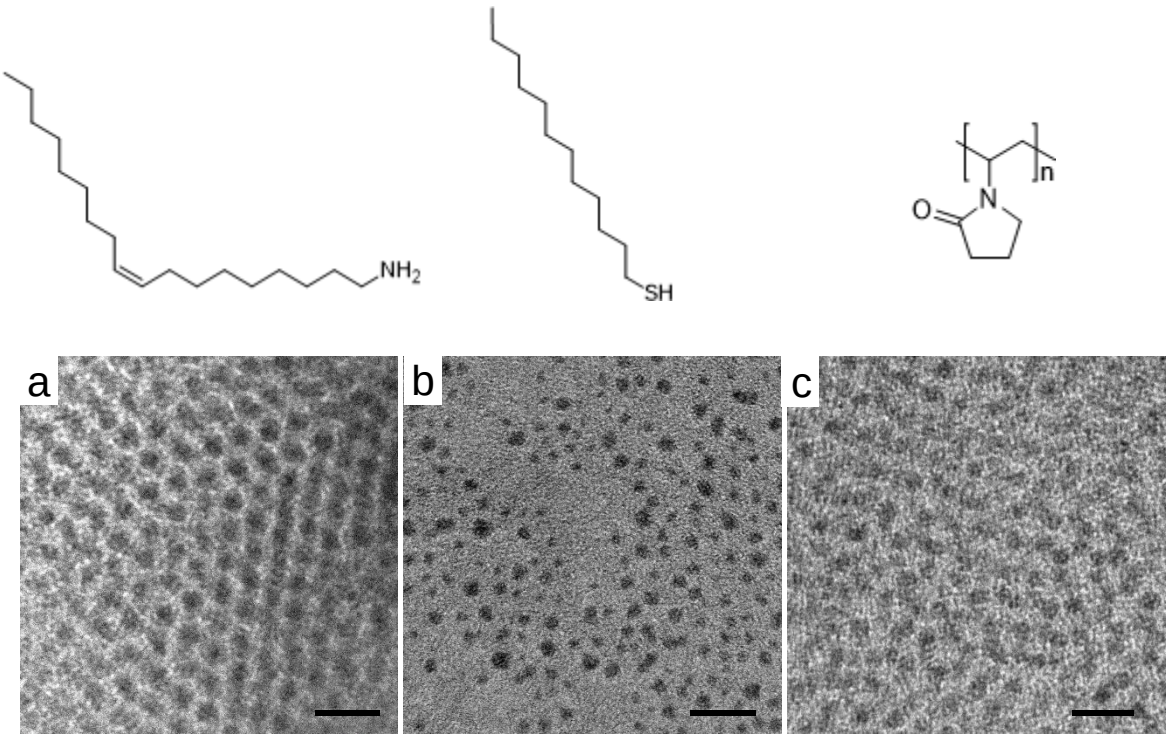


Figure S1: TEM image of Pd NPs stabilized by (a) OAm (b) DDT and (c) PVP capping ligands.

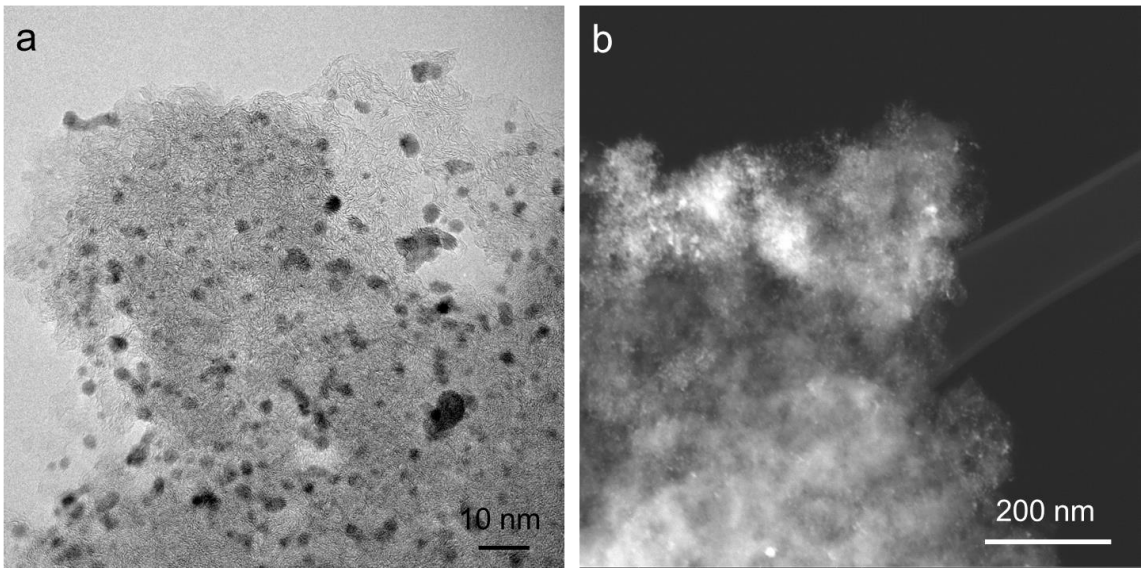


Figure S2: (a) TEM and (b) STEM analysis of commercial Pd/C catalyst used in reaction study.

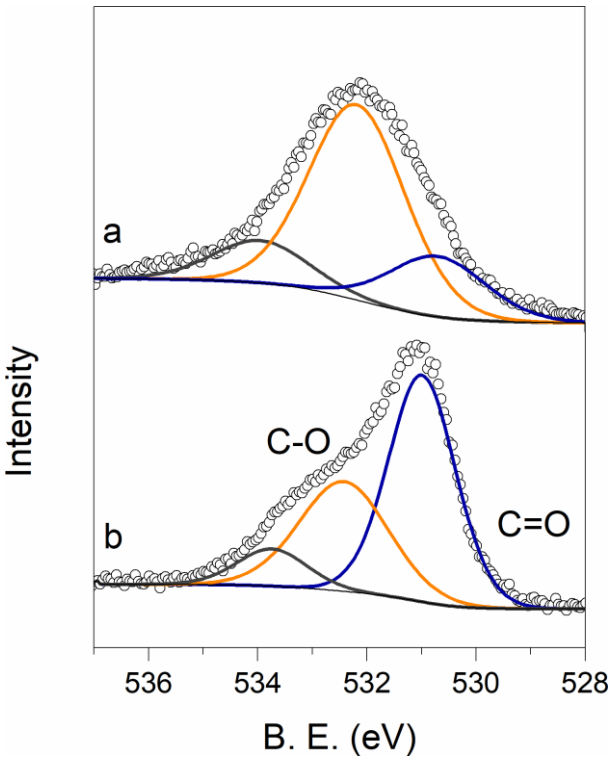


Figure S3. O 1s core level of OAm capped Pd NPs (a) before and (b) after chemical pre-treatment with acetic acid (AcOH)

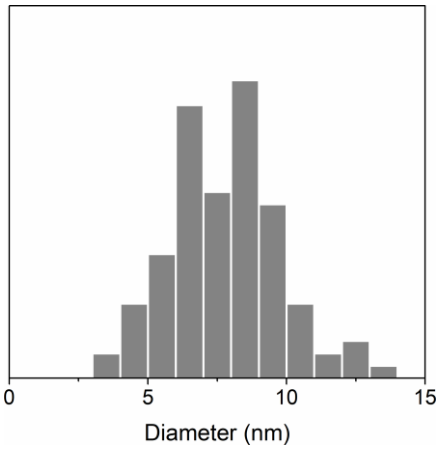


Figure S4. Size distribution of DDT stabilized Pd NPs after annealing treatment.

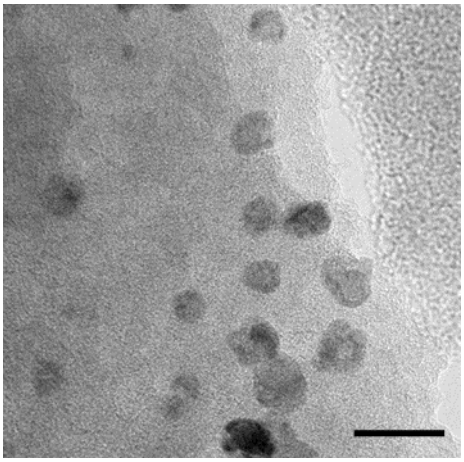


Figure S5. TEM image of PVP Pd NPs annealed at 450 °C. Scale bar = 20 nm.

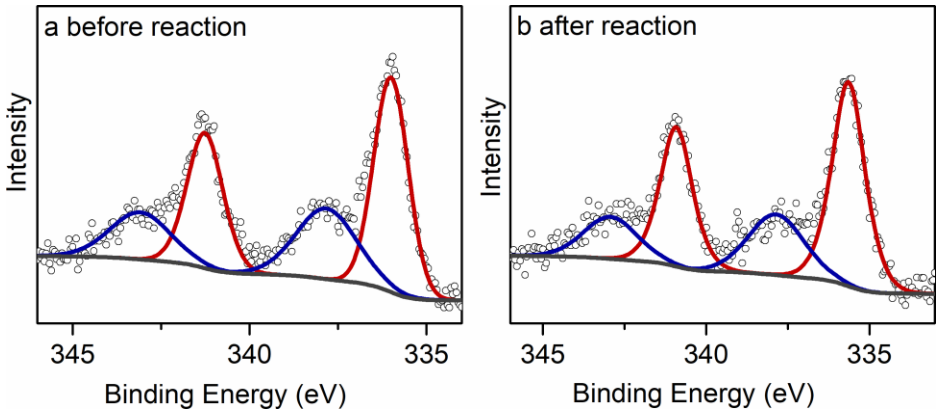


Figure S6: Pd 3d core level of PVP capped Pd NPs (a) before and (b) after the Suzuki cross coupling reaction.

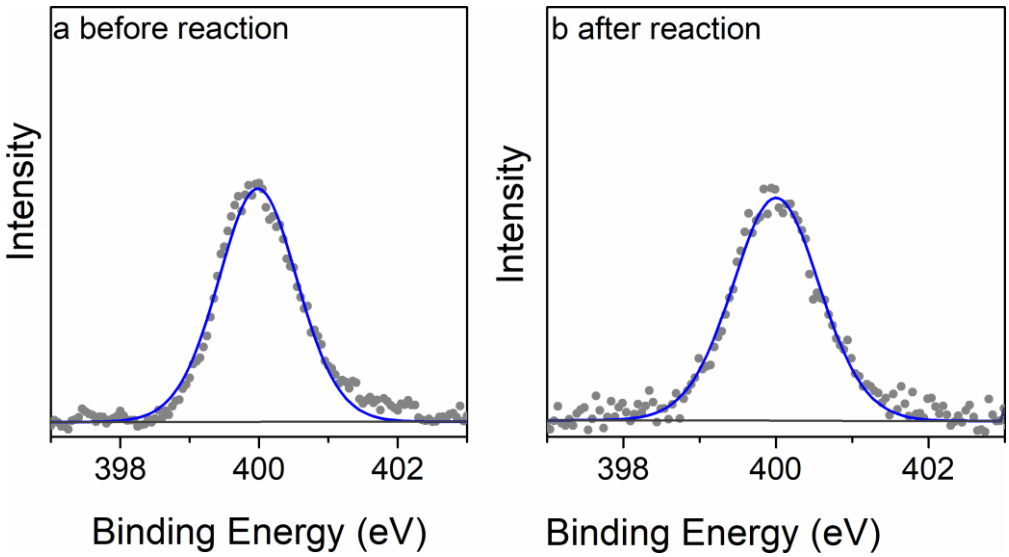


Figure S7. N 1s spectra of PVP-capped Pd NPs (a) before and (b) after the Suzuki cross coupling reaction.

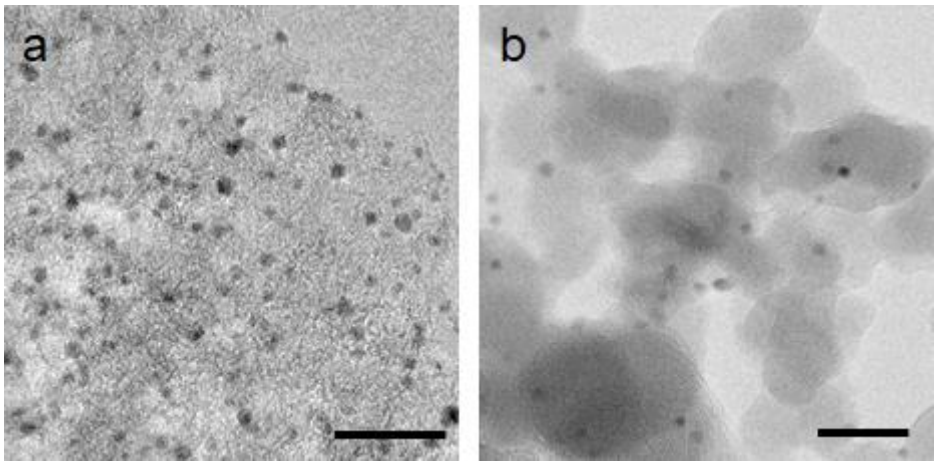


Figure S8. TEM image of PVP-stabilized Pd NPs (a) before and (b) after the Suzuki cross coupling reaction.