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- P167** **PEALD of N-doped TiO₂ thin layers on TiO₂ nanotubes for PEC water splitting**
Yi Zhang, Aishah El Boukili, Mariadriana Creatore, Quan-Bao Ma, Emiel Hensen
- P168** **CO Oxidation on Pt Model Catalysts under Transient Periodic operation**
Zhenghang Zhu, Hans Fredriksson, Leyla Özkan, Hans Niemantsverdriet, Ton Backx
- P169** **Selective tungsten oxide growth at a platinum membrane**
Michel Zoontjes, M. Huijben, J. Baltrusaitis, M.P. de Jong, G. Mul, W.G. van der Wiel

KNCV Catalysis section selected posters presented by Msc students:

- P170** **Synthesis and coordination chemistry of bis(imino)phosphanes**
Devin Boom, Tom van Dijk, Jaap Borger, Mark K. Rong, J. Chris Slootweg and Koop Lammertsma
- P171** **Investigating The Impact Of NHC Conformation: Novel Phosphinidene Introduction Onto A Protic NHC Complex.**
David Franciolus, M.K. Rong, A. Chirila, C.A. Dumke, F.E. Hahn, A.W. Ehlers, J.C. Slootweg, K. Lammertsma
- P172** **Catalysis in confined spaces**
M. Goswami, S. Oldenhof, J. N.H. Reek
- P173** **The Catalytic Valorisation of Humin By-products in Biomass Conversion**
Karst Lenzen, Ilona van Zandvoort, Pieter C. A. Bruijninx, Bert M. Weckhuysen
- P174** **Hybrid bio-chemo heterogeneous catalysts for glucose valorization**
Enggar K.D. Pamungkas, William N.P. van der Graaff, Evgeny A. Pidko and Emiel J.M. Hensen
- P175** **Towards a stable Cu/SiO₂ catalyst for methanol synthesis**
T.E. Parmentier, R. van den Berg, K.P. de Jong
- P176** **Using a copper electrocatalyst to convert CO₂ into oxalate**
Martijn van der Plas, E.C.M. Wenker, I. Mutikainen, E. Bouwman
- P177** **Supramolecular substrate pre-organization in isomerization – hydroformylation tandem approaches: efficient routes to internal aldehydes from terminal alkenes**
Marten L. Ploeger, Pawel Dydio, Joost N. H. Reek
- P178** **Effect of polyvinylpyrrolidone capping agent on particle size dependency of Ruthenium catalyzed Fischer-Tropsch synthesis**
J.E. v.d. Reijen, D.A.J.M. Ligthart, E.J.M. Hensen
- P179** **Elucidation of the formation of ethanol during Fischer-Tropsch synthesis over rhodium**
J.P.M. van Rijn, G.J.H.A. van Heugten, I.A.W. Filot, Emiel J.M. Hensen
- P180** **Molecular Dynamics Simulations of the interaction between structure-directing agents and Si₃₃ during zeolite nanosheet formation**
R. Rohling, B.M. Szyja, E.J.M. Hensen
- P181** **Towards METAMORPhos based metal complexes for catalytic proton reduction**
Esther Schippers, Bart van den Bosch and Joost N. H. Reek
- P182** **Preparation of bifunctional Pd/ZSM-5 coatings within capillary microreactors for the synthesis of MIBK**
F. Strube, L. A. Truter, T. A. Nijhuis, J. C. Schouten
- P183** **A Mimic of the 2-His-1-Carboxylate Facial Triad**
Esther F. de Waard, Emma Folkertsma, Marc-Etienne Moret, Robertus J.M. Klein Gebbink