

Poster program for Nordic Symposium on Catalysis (NSC), 2018 Copenhagen

- P1 **Anders Riisager**, *Department of Chemistry, Technical University of Denmark*
Selective hydrodeoxygenation of alkyl lactates to alkyl propionates with Fe-based bimetallic supported catalysts
- P2 **Arno J.F. van Hoof**, *Chemical Engineering and Chemistry, Eindhoven University of Technology*
Promoters in the restructuring of Ethylene Epoxidation catalysts
- P3 **Caroline Carriel Schmitt**, *Institute of Catalysis Research and Technology (IKFT), Karlsruhe Institute of Technology (KIT)*
Synthesis and reuse of nickel-based catalysts for upgrading of pyrolysis oil
- P4 **Christian Danvad Damsgaard**, *DTU Danchip, DTU CEN and DTU Physics, Technical University of Denmark*
In situ microscopy of formation of nickel-based bimetallic nanoparticles
- P5 **David Nielsen**, *Department of Chemistry, Technical University of Denmark*
Probing the coordination of metal centers in zeolites by in-situ EPR-spectroscopy
- P6 **Derek Creaser**, *Chemistry and Chemical Engineering, Chalmers University of Technology*
Effect of support acidity on the hydrodeoxygenation (HDO) activity of lignin derived bio-oil model compounds
- P7 **Derek Creaser**, *Chemistry and Chemical Engineering, Chalmers University of Technology*
Effect of rosin acid on hydrodeoxygenation of fatty acid
- P8 **Dirk Niemeyer**, *Sasol Germany GmbH*
Amorphous silica-alumina Catalyst Support Materials with Tailored Density of Acidic Sites
- P9 **Efthymios Kantarelis**, *Department of Chemical Engineering, KTH-Royal Institute of Technology*
Development of catalytically active high temperature particulate filter for simultaneous reforming of biomass derived tars and particle separation
- P10 **Feixiang Shen**, *Shanghai Jiantong University*
Influence of Catalysts on Isocyanic Acid Hydrolysis Reaction in a Urea-SCR System
- P11 **Henna Lempiäinen**, *Kokkola University Consortium Chydenius, University of Jyväskylä*
The effect of the mechanocatalytic pretreatment of birch on the production of reducing sugars
- P12 **Hongfei Ma**, *Department of Chemical Engineering, Norwegian University of Science and Technology*
Mg and K effects on the $\text{CuCl}_2/\gamma\text{-Al}_2\text{O}_3$ catalyst in ethylene oxychlorination
- P13 **Isabela-Costinela Man**, *C. D. Nenitzescu' Center of Organic Chemistry of Romanian Academy*
The Effect of Vacancies of Fe/Co-Nx Doped Graphene for ORR: DFT Analysis
- P14 **Jacob Venuti Björkman**, *Nynas AB, KTH Royal Institute of Technology*
Investigation of the effect of organic nitrogen on the hydrogenation of phenanthrene
- P15 **Jakob Marinkovic**, *Department of Chemistry, Technical University of Denmark (DTU)*
Integrated Catalytic-Membrane Separation Reaction System
- P16 **Jan Brandin**, *Built Environment & Energy Technology, Linnaeus University*
Deactivation of a Vanadia on Titania Diesel SCR Catalyst in an Engine Rig
- P17 **Jen-Shiang K. Yu**, *Institute of Bioinformatics and Systems Biology, National Chiao Tung University*
Catalytic Roles of Histidine and Arginine in Pyruvate Class II Aldolase
- P18 **Jerry Wu**, *Department of Environmental Engineering and Science, Feng Chia University*
Catalytic Oxidation of VOCs in Indoor Air Using Ozone Based Advanced Oxidation Technology

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- P19 **Joachim Thrane**, *DTU Chemical Engineering, Technical University of Denmark*
Screening of Novel Catalyst for the Selective Oxidation of Methanol to Formaldehyde
- P20 **Katja Lappalainen**, *Kokkola University, Consortium Chydenius*
Brønsted and Lewis acid catalyzed conversion of pulp industry waste biomass into levulinic acid with microwave irradiation
- P21 **Kristian Stangeland**, *Department of Energy and Petroleum Engineering, University of Stavanger*
Mesoporous manganese-cobalt hybrid oxide catalyst for CO₂ hydrogenation to methanol
- P22 **Lu Yao**, *Department of Chemistry, Technical University of Denmark*
In-situ ATR IR Spectroscopy Study on Zeolite Cu/SSZ-13 Catalyst for Low Temperature NH₃-SCR of NO
- P23 **Martin Nielsen**, *DTU Chemistry, Technical University of Denmark*
Homogeneous Catalysis for Sustainable Chemistry
- P24 **Matti Putkonen**, *VTT Technical Research Centre of Finland*
ALD for catalysis – new approaches for support materials, catalysts and overcoatings
- P25 **Max Schumann**, *DTU Chemical Engineering, Technical University of Denmark*
Sustainable Production of Higher Alcohols from CO and H₂ via Rhodium based Catalysts – A Mechanistic Study
- P26 **Mika Huuhtanen**, *Environmental and Chemical Engineering, University of Oulu*
Deactivation of PtPd/Al₂O₃ gas oxidation catalyst by sulphur and phosphorus in laboratory and vehicle aging
- P27 **Mika Huuhtanen**, *Environmental and Chemical Engineering, University of Oulu*
Pt and Pd decorated TiO₂ catalysts for CO₂ activation – surface plasmon studies
- P28 **Nanette Zahrtmann**, *Department of Chemistry, Technical University of Denmark*
Urea Synthesis with Pd-complexes in Supported Ionic Liquid Catalysts
- P29 **Oliver Schade**, *Karlsruhe Institute of Technology*
Gold- and silver-catalyzed oxidation of 5-(hydroxymethyl)furfural
- P30 **Piotr Legutko**, *Faculty of Chemistry, Jagiellonian University*
Influence of the nature of nickel precursor and its concentration on both functional properties and activity of Ni/CeO₂-ZrO₂ catalyst in dry reforming of methane
- P31 **Riikka Juhola**, *University of Oulu, Research Unit of Sustainable Chemistry*
Preparation and characterization of granulated biomass-based carbon for the catalytic water purification applications
- P32 **Rouzana Pulikkal Thumbayil**, *DTU Chemistry, Technical University of Denmark*
Conversion of acetone to methyl isobutyl ketone using a bifunctional zeolite catalyst
- P33 **Sandra Dahlin**, *Department of Chemical Engineering, KTH Royal Institute of Technology*
The effect of biofuel and lube oil-derived contaminants on the durability of Cu-SSZ-13 and V₂O₅-WO₃/TiO₂ SCR catalysts for heavy-duty vehicles
- P34 **Sebastien Paul**, *UCCS/REALCAT*
REALCAT: An Integrated and Advanced High-Throughput Platform for Catalysts Synthesis, Characterisation and Testing
- P35 **Simone Creci**, *Competence Centre for Catalysis, Calmers University of Technology*
Synthesis of Metal-containing Silicalite Zeotypes for the Direct Conversion of Methane to Methanol

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- P36 **Song Zhou**, *College of Power and Energy Engineering, Harbin Engineering University*
The Research on Reduction of HNCO in a Urea-SCR System
- P37 **Song Zhou**, *College of Power and Energy Engineering, Harbin Engineering University*
The Study on De-NO_x activity of Mn catalysts based on TiO₂-MCNTs composite carrier
- P38 **Søren Kegnæs**, *DTU Chemistry, Technical University of Denmark*
Metal nanoparticles in zeolites for selective catalysis
- P39 **Stine Lervold**, *Department of Chemical Engineering, NTNU - Norwegian University of Science and Technology*
Morphology study of electrolytic silver catalyst for partial oxidation of methanol to formaldehyde (MTF)
- P40 **Susaanna Liljegren Bergman**, *Science Division, Yale-NUS College Singapore*
In-situ Probing of the Oxidation/Reduction Dynamics of Pure and Na, P, K-contaminated Pt/Pd/Al₂O₃ DOC Catalysts by XAFS and flow reactor measurements
- P41 **Thomas Batchelor**, *Department of chemistry, University of Copenhagen*
Optimising the Composition of High Entropy Alloys for a Desired Adsorption Energy for Catalysis: Exemplified for the Oxygen Reduction Reaction
- P42 **Tiia Viinikainen**, *Aalto University, Department of Chemical and Metallurgical Engineering*
Insight into the activity of Au/TiO₂ catalyst coatings for gas-phase partial oxidation of 1-butanol in a microreactor: The effect of catalyst synthesis pH
- P43 **Ulla Lassi**, *Research unit of Sustainable Chemistry, University of Oulu*
Efficient removal of bisphenol A from wastewaters: Catalytic wet air oxidation with Pt catalysts supported on Ce and Ce-Ti mixed oxides
- P44 **Yan Yu**, *College of Food Science and Engineering, Harbin University*
The Study on De-NO_x activity of Mn catalysts based on P₂₅-MCNTs composite carrier
- P45 **Yu Zhang**, *DTU Chemical Engineering, Technical University of Denmark (DTU)*
Catalytic Oxidation of Methane over Rhodium Catalysts
- P46 **Zhang Zhao**, *College of Power and Energy Engineering, Harbin Engineering University*
Performance experiment and analysis of low temperature catalyst for marine urea SCR system
- P47 **Zhanguang Wang**, *Harbin Engineering University*
Reaction Mechanism and Chemical Kinetics of NH₃-NO/NO₂-SCR System with Vanadium-based Catalyst under Marine Diesel Exhaust Conditions
- P48 **Zhixin Yu**, *Department of Energy and Petroleum Engineering, University of Stavanger*
Bimetallic Ni-Fe hydrotalcite-derived catalysts for dry reforming of methane
- P49 **Zhiyuan Yang**, *Merchant Marine College, Shanghai Maritime University*
Study on de-NO_x activity of Mn catalysts based on MCNTs, TNTs and its composite carriers