

Symposium Flash presentation - Room Kepler,

Poster presentations, Thursday

- s3-001 Katerine Antil-Martini, Anna K. Mechler, Oxygen Evolution Reaction in Neutral and Near-Neutral Electrolytes , **Abstract.**
- s3-003 Aldona Balciunaite, Augustas Antanaitis, Titas Stanevicius, Daina Upskuviene, Jurate Vaiciuniene, Loreta Tamasauskaite-Tamasiunaite, Eugenijus Norkus, 3D coated AuNiM(M=Mo,Co)/Ti catalysts for the glucose oxidation , **Abstract.**
- s3-004 Mahsa Barzgarvishlaghi, Matthew Thomas Mayer, Jingxuan Kang, Peter Bogdanoff, Lutz Geelhaar, Oliver Brandt, Tuning The Selectivity of GaN Nanowire Photocathodes For CO₂ Reduction By Modifying The Morphology And Co-catalysis , **Abstract.**
- s3-005 Artur Bekisch, Dr. Karl Skadell, Prof. Dr. Michael Stelter, Large substrate pores with nanostructured catalyst layer have higher OER activity than smaller pores in alkaline media , **Abstract.**
- s3-006 Aeri Chu, Joohoon Kim, Electrochemical dehydrogenation of heterocyclic compound 1,2,3,4-tetrahydroquinoline with bases and TEMPO , **Abstract.**
- s3-007 Karel Denk, Martin Paidar, Jaromir Hnat, Karel Bouzek, Modelling Alkaline Water Electrolysis in Combination with Unstable Energy Sources , **Abstract.**
- s3-008 Martin Durovic, Jaromír Hnat, Karel Bouzek, NiCoP Cathode Catalyst for Alkaline Electrolysis of Water: Structural and Electrochemical Characterisation , **Abstract.**
- s3-009 Bruna Ferreira Gomes, Rameshwori Loukrakpam, Maximilian Kutter, Carlos Manuel Silva Lobo, Christina Roth, Bruna Ferreira Gomes, Operando Spectroscopy of Phosphorus Species at the Pt surface , **Abstract.**
- s3-011 Siddharth Gupta, Gumaa A El-Nagar, Matthew T Mayer, Carbon monoxide electroreduction in catholyte free gas diffusion electrolyzers: Overcoming operational challenges and developing operando methods , **Abstract.**
- s3-012 Boaz Izelaar, Davide Ripepi, Dylan van Noordenne, Peter Jungbacker, Fokko M. Mulder, Ruud Kortlever, Identification of Extraneous NO_x Sources and its Implications for the Electrochemical Nitrogen Reduction Reaction , **Abstract.**
- s3-014 Jerzy J. Jasielec, Marco Lagnoni, Antonio Bertei, Mahdi Moghaddam, Pekka Peljo, Mathematical Modelling of Solid Boosters , **Abstract.**
- s3-015 Pannan Kyesmen, Nolwazi Nombona, Mmantsae Diale, Tuning the Surface Properties of Dip-coated CuO Photocathodes Using a Precursor Ageing Approach for Enhanced Photocatalytic Reactions , **Abstract.**
- s3-016 Francois Lopicque, Filip Dostal, Anantrao Vijay Shirsath, Caroline Bonnet, Stéphane Raël, Electrochemical pressure impedance spectroscopy for investigation of transport phenomena: significance of the low frequency domain , **Abstract.**

- s3-018 Felix Lohmann-Richters, Cinar Karacan, Meital Shviro, Gareth P. Keeley, Martin Müller, Marcelo Carmo, Detlef Stolten, Catalyst-Coated Diaphragms for Alkaline Water Electrolyzers , **Abstract.**
- s3-019 Thomas Mairegger, Julia Kunze-Liebhäuser, Philipp Stadler, CO₂ electroreduction to formic acid in an electrolyzer cell with an acid-based electrolyte , **Abstract.**
- s3-022 Antanas Nacys, Ausrine Zabielaite, Dijana Simkunaite, Ramunas Levinas, Benjaminas Sebek, Loreta Tamasauskaite-Tamasiunaite, Eugenijus Norkus, Vitalija Jasulaitiene, Platinum-Nickel Layers Modified Nickel Foam as an Efficient Catalyst for Hydrogen Evolution , **Abstract.**
- s3-023 Eugenijus Norkus, Daina Upskuvieni, Aldona Balciunaite, Vitalija Jasulaitiene, Gediminas Niaura, Audrius Drabavicius, Aleksandrs Volperts, Ance Plavniece, Galina Dobele, Aivars Zurins, Yu-Chuan Lin, Yu-Wen Chen, Loreta Tamasauskaite-Tamasiunaite, Nanocarbon-Based Materials for Efficient Oxygen Reduction , **Abstract.**
- s3-026 Eva Oswald, Anna-Laurine Gaus, Jan Romer, Julian Kund, Max von Delius, Christine Kranz, Nanoscale Surface Deposition of Light-Driven Photocatalysts via Scanning Electrochemical Cell Microscopy , **Abstract.**
- s3-031 Michaela Plevová, Jaromír Hnát, Jan Zitka, Karel Bouzek, Martin Paidar, The effect of the type of anion-exchange material, polymer binder and catalyst on the performance of alkaline water electrolyser , **Abstract.**
- s3-032 Tushita Rohilla, Dhiraj K. Mahajan, Understanding the Role of Reactant Flow Rates and Supply Pressures in Hydrogen/air Fuel Cell Using Electrochemical Impedance Spectroscopy , **Abstract.**
- s3-034 Connor Sherwin, Andrea Russell, Veronica Celorrio, Katie Rigg, Chris Zalitis, Operando X-ray Studies of Gas Evolving and Consuming Electrocatalysts , **Abstract.**
- s3-035 Kai Shi, Jakob Asenbauer, Dominic Bresser, Carbon Fiber-based Current Collector for Sustainable High Performance Organic Electrodes , **Abstract.**
- s3-039 Milla Suominen, Miia Mäntymäki, Miika Mattinen, Matti Putkonen, Tanja Kallio, Electrochemical Reduction of CO₂ to Formic Acid in a Flow Cell on CuxS Grown by Atomic Layer Deposition , **Abstract.**
- s3-040 Mariusz Szkoda, Konrad Trzcinski, Zuzanna Zarach, Daria Roda, Anna Lisowska-Oleksiak, Influence of photointercalation process on photo(electro)catalytical properties of bulk and exfoliated WO₃ , **Abstract.**
- s3-041 Loreta Tamasauskaite-Tamasiunaite, Daina Upskuvieni, Aldona Balciunaite, Vitalija Jasulaitiene, Gediminas Niaura, Audrius Drabavicius, Aleksandrs Volperts, Ance Plavniece, Galina Dobele, Aivars Zurins, Yu-Chuan Lin, Yu-Wen Chen, Eugenijus Norkus, Manganese Nanoparticles Supported Nitrogen-Doped Carbon for Oxygen Reduction , **Abstract.**
- s3-042 Loreta Tamasauskaite-Tamasiunaite, Gitana Valeckyte, Aldona Balciunaite, Jurate Vaiciuniene, Vitalija Jasulaitiene, Eugenijus Norkus, Investigation of Sodium

Borohydride and Hydrazine Oxidation and Oxygen Reduction on AuMn/Ti Catalyst , **Abstract.**

- s3-045 Daniël van den Berg, Ruud Kortlever, The Effect of Surface Conditions on the Performance of a Bimetallic AuPd Electrocatalyst for CO₂ Reduction , **Abstract.**
- s3-047 Jiahao Yu, Sustainable Nanostructured Water Oxidation Electrocatalyst in Acidic Media from Earth Abundant Metal , **Abstract.**
- s3-048 Ausrine Zabielaite, Aldona Balciunaite, Daina Upskuvieniė, Jurate Vaiciuniene, Vitalija Jasulaitiene, Loreta Tamasauskaite-Tamasiunaite, Eugenijus Norkus, Oxygen reduction Reaction on Graphitic Carbon Nitride Supported Cobalt and Manganese Nanoparticles , **Abstract.**
- Add poster ID Akansha Goyal, Structure Dependent Role of Cations for Hydrogen Evolution Reaction on Platinum in Alkaline Media , **Abstract.**
- Add poster ID Raghunandan Sharma, Shuang Ma Andersen, Baseline corrections for electrochemical surface area (ECSA) determination of Pt/C through H-adsorption/H-desorption regions , **Abstract.**