

Symposium Oral presentation

Room Leo, Monday - Friday

- s7 Muhammed Yusufoglu, Saeede Tafazoli, Timuçin Balkan, Sarp Kaya, *Enhanced Oxide Derived Copper Zinc Electrocatalyst for CO₂ Reduction Reaction to CO* , **Abstract.**
- s7 Albert Nasibulin, Tanja Kallio, Daria Kopylova, Daria Satco, Eldar Khabushev, Aram Mkrtchyan, Yury Gladush, Dmitry Krasnikov, *Electrochemical enhancement of optoelectronic performance of transparent and conducting single-walled carbon nanotube films* , **Abstract.**
- s7 Saeede Tafazoli, Muhammed Yusufoglu, Timuçin Balkan, *In-situ Characterization of Electrocatalytic CO₂ Reduction Reactions Using Raman Spectroscopy on Copper Oxide Electrode* , **Abstract.**
- s7 Nils Heppe, Vasily Potapkin, Charlotte Gallenkamp, Stephen Paul, Nicole Segura, Wolfram Jaegermann, Atefeh Jafari, Olaf Leupold, Ilya Sergeev, Vera Krewald, Ulrike Kram, *Nuclear resonance investigations of ⁵⁷Fe-porphyrin based hydrogen evolution reaction model catalysts* , **Abstract.**
- s7 Helmut Baltruschat, Inhee Park, Shahid Iqbal, *Atomic-scale friction study: Underpotential deposition (UPD) of silver on I-modified Au(111) in aprotic and aqueous electrolyte* , **Abstract.**
- s7 Xin Zhou, Xin Zhou, Imgon Hwang, Ondrej Tomanec, Dominik Fehn, Anca Mazare, Radek Zboril, Karsten Meyer, Patrik Schmuki, *Advanced Photocatalysts: Pinning Single Atom Co-Catalysts on Titania Nanotubes* , **Abstract.**
- s7 Ahmed Elshatla, Manuel Landstorfer, Helmut Baltruschat, *The interfacial properties of Ag(111) and Au(111) electrodes in aqueous and aprotic electrolytes: Potential of zero charge and thermodynamic modelling* , **Abstract.**
- s7 Shanshan Qin, Nikita Denisov, Johannes Will, Jan Kolarík, Erdmann Spiecker, Patrik Schmuki, *A Few Pt Single Atoms Are Responsible for the Overall Co-Catalytic Activity in Pt/TiO₂ Photocatalytic H₂ Generation* , **Abstract.**
- s7 Si-Ming Wu, Patrik Schmuki, *Engineering Pt Single Atoms (SAs) on TiO₂ Nanosheets for Efficient Photocatalytic Water Splitting* , **Abstract.**
- s7 Ilona Acznik, Paulina Bujewska, Krzysztof Fic, Katarzyna Lota, *Study of Electrode Degradation Processes In a Zn-Ion Hybrid Capacitor Using Scanning Electrochemical Microscopy* , **Abstract.**
- s7 Jun Huang, Peng Cui, *Size and shape-dependent surface charging relation of metal nanoparticles from density-potential functional theory* , **Abstract.**
- s7 Ludwig Kibler, Felix Matzik, Johannes Hermann, Timo Jacob, *Kinetics of Au(111) Surface Oxidation in the Presence of Formic Acid* , **Abstract.**

- s7 Johannes M. Hermann, Areeg Abdelrahman, Ludwig A. Kibler, Timo Jacob, *Kinetics of the Potential-Induced Surface Reconstruction of Au(111) Probed by Structure-Sensitive HER* , **Abstract.**
- s7 Mohamed M. Elnagar, Johannes M. Hermann, Timo Jacob, Ludwig A. Kibler, *Tailoring the Electrocatalytic Activity of Gold Surfaces through Cathodic Corrosion* , **Abstract.**
- s7 Leon Jacobse, Ralf Schuster, Xin Deng, Silvan Dolling, Tim Weber, Herbert Over, Joerg Libuda, Vedran Vonk, Andreas Stierle, *Observing the Oxidation of Platinum under operando Electrochemical Conditions* , **Abstract.**
- s7 Robert Hillman, Hannah Lane, Kayleigh Skidmore, Mariyam Ula, Rathintha Rathykarana, Alexandro de Assis, Adriana Ribeiro, *Surface Imaging of Latent Fingerprints on Metallic Surfaces Using Electroactive Polymer Films with Entrapped Dyes* , **Abstract.**
- s7 Andei Akbasheu, *Operando Electrochemical Atomic Force Microscopy of Model Electrocatalysts* , **Abstract.**
- s7 Fatemehsadat Rahide, Margot Guidat, Mathias M. May, Sonia Dsoke, *Investigation of electrochemical and optical properties of Al(110)-electrolyte interface by Reflection Anisotropy Spectroscopy* , **Abstract.**
- s7 Marc Koper, *Theory of cation-coupled electron transfer* , **Abstract.**
- s7 Malo Duportal, Luca M. Berger, Leo de S. Menezes, Emiliano Cortés, Andreas Tittl, Stefan A. Maier, Katharina Krischer, *Characterization of carbon dioxide reduction on gold using a nanophotonic-electrochemical platform for surface enhanced infrared absorption spectroscopy* , **Abstract.**
- s7 Harsh Chaliyawala, Harsh Chaliyawala, Labibe Soilihi, Diane Muller-Bouvet, Christine Cachet-Vivier, Stephane Bastide, Tarik Bourouina, Frédéric Marty, Abir Rezgui, Sylvain Le Gall, Encarnacion Torralba, *Photoelectrochemical CO₂ reduction using Ag_xCu_{100-x} bimetallic nanoparticles supported on Si micropillars (SiMPs)* , **Abstract.**
- s7 Heine Hansen, Xueping Qin, Tejs Vegge, *Ab initio Molecular Dynamics Studies of CO₂ Reduction Selectivity at a Au(110)-Water Interface* , **Abstract.**
- s7 Bren Mark Felisilda, Alonso Gamero-Quijano, Micheál Scanlon, Martin Jönsson-Niedziółka, Marcin Pisarek, Barbara Palys, *PEDOT Thin Films at Polarized Liquid Interfaces using Fenton Chemistry: Formation and Characterization* , **Abstract.**
- s7 Thomas L. Maier, Matthias Golibrzuch, Tina Angerer, Markus Becherer, Katharina Krischer, *Bifunctional Enhancement of the Hydrogen Evolution Reaction on Metal/Insulator Interfaces: The Impact of the Nature of the Metal Catalyst and the Cationic Species* , **Abstract.**
- s7 Louis Godeffroy, Mathias Miranda Vieira, Jean-Marc Noël, Viacheslav Shkirskiy, Jean-François Lemineur, Frédéric Kanoufi, *Correlative Multi-Microscopy Strategy Assisted by Machine Vision Reveals the Complexity of Nickel Nanoparticle Electrodeposition* , **Abstract.**

- s7 Christoph Griesser, Daniel Winkler, Toni Moser, Julia Kunze-Liebhäuser, *Probing the solid-liquid interface with laboratory based Near Ambient Pressure X-ray photoelectron spectroscopy* , **Abstract.**
- s7 Daniel Winkler, Toni Moser, Christoph Griesser, Matthias Leitner, Julia Kunze-Liebhäuser, *Structure dependent product selectivity of the CO electroreduction on Au(111) electrodes modified with Cu adatoms* , **Abstract.**
- s7 Yiran Zhao, Julie Descamps, Yoan Léger, Neso Sojic, Gabriel Loget, *Upconversion Photoinduced Electrochemiluminescence at Metal-Insulator-Semiconductor Photoanodes* , **Abstract.**
- s7 Matej Velický, Martin Jindra, Otakar Frank, *In Situ Spectroelectrochemical Deconvolution of Charge Transfer Processes in Monolayer Graphene* , **Abstract.**
- s7 Zdenek Samec, Antonín Trojánek, Vladimír Marecek, *Capacitance of the Interface Between Two Immiscible Electrolyte Solutions – A Controversial Issue* , **Abstract.**
- s7 Tamás Pajkossy, *Analysis of quasi-reversible CVs and dEIS data: transformation to potential-program independent forms* , **Abstract.**
- s7 Petr Krtil, Tugce Kutlusoy, Rebecca Pittkowski, Spyridon Divanis, Riccardo Marina, Jan Rossmeisl, *Synergistic effect of p-type and n-type dopants in semiconductors for efficient gas evolution* , **Abstract.**