

Symposium

Oral presentation

Room Aquarius, Monday - Thursday

- s5 Xiao Su, *Advances in redox-mediated electrochemical separations for environmental remediation and resource recovery* , **Abstract.**
- s5 Ana Alicia Folgueiras Amador, Alex Teuten, Mateo Salam-Perez, James Pearce, Derek Pletcher, Guy Denuault, David Harrowven, Richard C. D. Brown, *Organic Synthetic Applications of Flow Electrolysis Cells: Mediated Cathodic Radical Cyclisation of Aryl Halides* , **Abstract.**
- s5 Dmitry Momotenko, *Electrochemical Nanotechnology: 3D Printing of Metals at the Nanoscale* , **Abstract.**
- s5 Sijie Xie, *Cathodic deposition of HKUST-1 film on polymer membranes* , **Abstract.**
- s5 Martin Jirasko, *Optimisation of Electrochemical Synthesis of Selected I^{V} -Iodanes in Flow Reactor* , **Abstract.**
- s5 Tereza Bautkinova, Tomas Bystron, Karel Bouzek, *Development of TiHx Protecting Layer for Application in PEM Water Electrolysis* , **Abstract.**
- s5 Rameshwori Loukrakpam Jalan, Bruna Ferreira Gomes, Timon Elias Guenther, Christina Roth, *Electrochemical testing in gas diffusion electrode half-cells: durability study of electrocatalyst support material using accelerated stress test* , **Abstract.**
- s5 Georgios Bampos, Symeon Bebelis, *Hydrogen Oxidation Reaction in Alkaline Medium over Pd-based Electrocatalysts* , **Abstract.**
- s5 Monika Charazka, Kamila Lepicka, Jakub Kalecki, Piyush Sindhu Sharma, *Nanoparticles derived from polymers to remediate urea-rich wastewater* , **Abstract.**
- s5 Luis Fernando León Fernández, Omar Martínez Mora, Jan Fransaer, Xóchitl Domínguez Benetton, *Pt, Pd and Rh recovery from End of Life Products and Nanoparticle Synthesis by Gas-Diffusion Electrocrystallization (GDEx)* , **Abstract.**
- s5 Andreas Gusak, Matthias Bahr, Pegah Pojhan, Bernd Oberschachtsiek, Abdullah Alsaïad, *Artificial neural network based lifetime prediction for PEM-Electrolysis* , **Abstract.**
- s5 Yevheniia Husak, Joanna Michalska, Maksym Pogorielov, Wojciech Simka, *Anodization as a Recycling Technology for Fabrication Multifunctional Biocoatings* , **Abstract.**
- s5 Niklas Thissen, Nicolai Schmitt, Dominik Vogel, Julia Hoffmann, Bastian Etzold, Anna Mechler, *Industrial-Relevant Conditions in Lab-Scale Analysis for Alkaline Water Electrolysis* , **Abstract.**
- s5 Michiel Vranckaert, Hannes Gemoets, Koen Van Aken, Jonas Hereijgers, Tom Breugelmans, *An Electrochemical Oscillatory Flow Reactor with Pillar Array Electrodes Improving Mass Transfer in Electrosynthesis* , **Abstract.**

- s5 Sam Van Daele, Lieven Hintjens, Sander Neukermans, Jaeri Van den Hoek, Nick Daems, Jonas Hereijgers, Tom Breugelmans, *Utilizing N₂-diluted feeds for electrochemical CO₂ reduction: a first step towards bypassing the carbon capture step* , **Abstract.**
- s5 Carmen Maria Fernandez-Marchante, Mireya Carvela, Ismael F. Mena, Miguel A. Montiel, Carmen M. Fernández-Marchante, Justo Lobato, *Chlor-Alkali Electrochemical Technology as a System for Energy Storage and Capture of Carbon Dioxide* , **Abstract.**
- s5 Ismael F. Mena, Miguel A. Montiel, Cristina Sáez, Pablo Cañizares, Manuel A. Rodrigo, *3-D Printed Electro-Generator of Gaseous Ozone for Environmental Applications* , **Abstract.**
- s5 Dana Kaubitzsch, Robert Keller, Matthias Wessling, Jan Heijl, Bernd Garska, Jürgen Kintrup, *Activation of Au-based GDEs for the Electrochemical Production of Methyl Phenyl Carbonate* , **Abstract.**
- s5 Andrea Nataly Arias Sanchez, Rafael Granados Fernandez, Justo Lobato Bajo, Carmen Maria Fernandez Marchante, Manuel Andres Rodrigo Rodrigo, *Electro-absorption Process for the Removal of Volatile Organic Compounds (VOCs) from Gaseous Streams* , **Abstract.**
- s5 Xin Wang, Chanikarn Tomon, Tim Bobrowski, Patrick Wilde, João R. C. Junqueira, Thomas Quast, Wenhui He, Nivedita Sikdar, Jonas Weidner, Wolfgang Schuhmann, *Gaining the Freedom of Scalable Gas Diffusion Electrode in CO₂ Reduction Reaction* , **Abstract.**
- s5 Marius Simon Enstrup, Werner Strothoff, Ulrich Kunz, *Investigation of the influence of different water qualities and complexing agents on a divided electrochemical cell for hydrogen peroxide formation* , **Abstract.**
- s5 Tongshuai Wang, *Selective Electrochemical Hydrogen Evolution on Membrane-coated Electrodes for Efficient Chlorate Production* , **Abstract.**
- s5 Javier Llanos, Alvaro Ramírez, Martín Muñoz, Francisco Jesus Fernandez, Javier Llanos, *Valorization of Polluted Vegetal Waste for Manufacturing Sustainable Cathode Materials for the Production of Hydrogen Peroxide* , **Abstract.**
- s5 Franky Esteban Bedoya-Lora, Isaac Holmes-Gentle, Naoufal Alami Hassani, Sophia Haussener, *Multiphysics Modelling of Photoelectrochemical Cells under Concentrated Irradiation (>100 suns)* , **Abstract.**
- s5 Philippe Mandin, Tatiana Kozlova, Michail Lipkin, Semen Lipkin, *Multiphysics modelling and experimental works for efficient Alkaline Water Electrolysis* , **Abstract.**
- s5 Fengxia Deng, Shilin Yang, Shan QIU, Sirés Ignasi, *Microbubble-ensued Carbon Spheres Modified Tubular Titanium Cathode for Boosting H₂O₂ and its Application in Disinfection* , **Abstract.**

Miguel Sandoval, L. Carolina Espinoza, Oscar Coreño, Veronica García, Abdoulaye Thiam, Ricardo Salazar, *A Comparative study of Anodic Oxidation and Electrocoagulation for treating Cattle Slaughterhouse Wastewater* , **Abstract.**