Poster Session, Monday 04 May 2026, 20:00 CEST

Katrin Bickel	**Solvent effects on the reaction entropy of an outer sphere electron transfer process**
Tim Bolter	**Dynamics of Au electrode surfaces probed by electro catalytic reactions**
Marine Bossert	**Capillary rise of electrolyte-alkane mixtures between gold plates: wetting transition or electrocapillary effect?**
Steffen Braun	**Comparing microcalorimetric and temperature-variation approaches for determining the reaction entropy of electrochemical reactions**
Yuchen Cai	**Confinement effect of cation on proton transport**
Alper Tunga Celebi	**A thermodynamic origin of ion-specific adsorption at charged interfaces**
Hao Chen	**Single-molecule detection of small molecules enabled by charge regulation at the solid–liquid interface of silicon nitride solid-state nanopores.**
Junxiang Chen	**DPχ: A Constant-Potential Machine-Learning Potential for Large-Scale Electrocatalysis**
Lucas de Kam	**Poisson-Boltzmann theory in practice**
Qiuhan Deng	**Electronic and Ionic Charge Redistribution in Electric Double Layers under Curvature and Steric Constraints**
Laurin Derr	**Entropy Profiling of Hard Carbon/Na Metal Batteries with Stepwise Temperature Changes: Deciphering the Cell Voltage Response**
Hannah Dickinson	**Impact of Electrolyte pH on the Morphology of Silver Electrodeposition Studied Using in-situ Transmission Electron Microscopy**

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Martin Durner	**Scanning Impedance Microscopy under Potential Control to Probe Local Electrochemical Properties**
Jordy Eggebeen	**Using electrochemical impedance spectroscopy to deconvolute (pseudo) capacitance from metal oxide interfaces**
Mikhail Elkhimov	**Influence of the electronics and cell resistances on electrochemical noise measurements**
Victoria Gamez	**Anion-Water and Hydroxyl Adsorption at the Pt(111) Interface: Influence of pH and Electrolyte Composition**
Antonia Gerstenberg	**The effect of bias and temperature on interfacial water at pristine Pt(111) electrodes: Insights from atomistic MLIP simulations**
Greta Grossman	**Surface Electrochemistry of the Au(111)/acetonitrile Interface: Formation of a Solvent Related Adsorbed Layer and its Implications for the Electrochemical Double Layer**
Siyuan Han	**Machine-Learning-Accelerated First-Principles Simulations Reveal Ion-Correlated Structures at Concentrated Electrochemical Interfaces**
Zetong Jia	**Long-Range Ordered Pt Facets Govern Methane Electro-oxidation via Interfacial Solvent Dynamics**
Rick Kort	**Linking Interfacial Water Structure to AFM Forces under Electrochemical Control**
Justus Leist	**Probing Surface Structure and Vibrational Stark Effects in Ni Anodes with SERS during Alkaline OER**
Chenkun Li	**Constant-Potential Kohn-Sham-Poisson-Boltzmann Theory for Electrified Metal-Solution Interfaces**
Antony Litovoilis	**Cation Effects On Solvated Electron Generation**

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Julius Lonnes	**Disentangling Temperature Effects in Proton Adsorption Barriers at Electrified Pt(111): Roles of Water Structure, Potential, and Vibrational Free Energies**
Alessandro Mangiameli	**Benchmarking QM/RISM method for the Au–Electrolyte Interface**
Ricardo Alonso Martinez Hincapie	**Double Layer Capacity at Pt(111) Electrode in Near-Neutral Electrolytes**
Daniel Metzger	**Concentration dependent entropy determination for sodium deposition**
Marcus Frahm Nygaard	**Electron Redistribution Between Coadsorbed Species at the Electrochemical Interface**
Emmanouil Pervolarakis	**The Computational Cation Electrode: A Case Study on CO2RR**
Jorik Schaap	**The influence of the Electric-Double layer and Cathodic Bias on the Ultrafast Dynamics of Silver Nanoparticles**
Barbara Sumic	**First Steps Matter Most: Free Energy Barriers of the Volmer Step in Hydrogen Evolution at Pt(111)**
Yu Chen Sun	**Probing Nafion structure at Electrified Pt Interfaces via in-situ Polarization-Modulated Infrared Spectroscopy**
Rose Marie Tom Petersen	**Machine-Learning Assisted Determination of Reaction Paths for Electrocatalytic Reactions**
Harsh Wadhwani	**3D porous model systems for electrocatalysis**
Haowei Wang	**Raman Scattering Measurement of Single Nanoparticle Collision**
Xiwei Wang	**Density-Potential Functional Theoretic (DPFT) Schemes of Modeling Reactive Solid-Liquid Interfaces**

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Johanna Weidelt	**Towards a DFT-based Workflow to Simulate Competitive Adsorption of Electrolyte Species at a Pt Electrode**
Lulu Zhang	**Correlating electric double layer structure and electrochemical plasmonics of nanoparticles: a theoretical study**
Zengming Zhang	**Potential of Zero Stress of Solid-Liquid Interfaces**
Jia-Xin Zhu	**Reactive electrical double layers under confinement: insights from atomistic to continuum**