

Poster Session 1: Monday, 24 October, 17:30 h (CEST)

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| 1 | Benjamin Zimmermann | High Entropy Oxides as New Materials for Energy Applications |
| 2 | Lei Zhang | Exploring WC-based Electrocatalysts for Robust Hydrogen Evolution Reaction via Energy-Saving Method |
| 3 | CANCELLED | |
| 4 | Tingting Yang | Biphasic Layered Material Strengthened by Tenon-and-Mortise Structure for Robust Sodium Ion Batteries Cathode |
| 5 | Da Xing | Insertion / De-insertion of Magnesium into the Bi Modified Au Electrode: DEMS and EC-STM Study |
| 6 | Philipp Winstermann | Steam-Iron Process for Storage and Transport of Hydrogen |
| 7 | Yu Wang | Self-activation of Exsolved LaFe _{0.9} Ru _{0.1} O ₃ Perovskite in Propane Combustion Reaction |
| 8 | Janika Wagner | Kinetic Monte Carlo Simulation of the Growth of SEI at the Li/Electrolyte Interphase |
| 9 | Timo Wagner | Increasing the Microscopic Surface Area of Nickel Surfaces by Plasma Application with Industrial Scalability in Mind |
| 10 | Martin Underberg | A Pilot Plant for Gas-phase Nanoparticle Synthesis: Products for Future Energy Applications |
| 11 | Laura Tropf | Flow and Bubble Investigations in the Vicinity of In-Liquid Plasmas for Graphene Synthesis |

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- 12 Jonas Spielmann **Iron as Fuel – Investigating the Thermochemical Oxidation of Iron Particles via Mössbauer Spectroscopy**
- 13 CANCELLED
- 14 Mohammed-Ali Sheikh **Doped NaSICON-Type Solid Electrolytes for Sodium-Ion Batteries from Scalable Spray-Flame Synthesis**
- 15 Doris Segets **New Materials for Electrocatalysis: Their Design, Implementation and Characterization to Make Academic Developments Relevant**