

Poster Session 2: Tuesday, 25 October, 17:00 h (CEST)

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| 16 | Patrik Schuehle | Transition Metal Phosphide Catalysts for the Chemical Storage of Renewable Hydrogen |
| 17 | Franziska Scheffler | Manufacturing of Flexible High-performance Thermoelectric Microlayers |
| 18 | Ahmad Saylam | An HCCI-engine Concept as a Conversion Process of Gaseous Hydrocarbon Feedstock |
| 19 | Haroon Christopher Sam | Fundamental Studies on the Development of Hydrogen Traps in Ferritic Steel and their Influence on Hydrogen Embrittlement during Long Term Exposure |
| 20 | Paul Peter Paciok | Heat-treated RhMo-doped PtNi/C Catalysts for the Oxygen Reduction Reaction |
| 21 | Pierfrancesco Ombrini | An Advanced Model for Solid-State Batteries |
| 22 | Bich-Diep Nguyen | Combustion of Individual Iron Micro-particles with Resolved Boundary Layers |
| 23 | Harshita Naithani | Electronic Transport Modelling of High efficiency Thermoelectric Mg ₂ (Si,Sn) Solid Solutions |
| 24 | Johannes Mich | A Comparison of Mechanistic Models for the Combustion of Iron Microparticles and their Application to Polydisperse Iron-air Suspensions. |
| 25 | Faria Huq | Influence of PTFE Membrane Thickness in Gas Diffusion Electrode for CO ₂ Electroreduction |
| 26 | Claudia F. Lopez Camara | Exploring the Si-precursor Composition for Inline Coating and Agglomeration of TiO ₂ via Modular Spray-flame and Plasma Reactor |

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| 27 | Teo Lombardo | Secondary Ions VS Secondary Electrons for Electrode Microstructures Characterization: Advantages and Perspectives |
| 28 | Tao Li | Visualization of Single Iron Particle Combustion in Laminar Flow Conditions |
| 29 | Thomas Lange | Sonochemical Modification of Highly Conductive Carbon Blacks and its Effect on the Performance of a Proton Exchange Membrane Fuel Cell |
| 30 | Thomas Krenn | Investigation of Iron Particle Combustion Behavior in the Exhaust Gas of a Methane Bunsen Flame |
| 31 | David Kitsche | ALD-derived Zirconia Coatings on Ni-rich Cathodes in Solid-State Batteries: Correlation between Surface Constitution and Cycling Performance |