

## Poster Session 3: Wednesday, 26 October, 19:30 h (CEST)

- 32 Leonhard Karger Low Temperature Ion-exchange Based Synthesis of Highly Ordered LiNiO<sub>2</sub> Single Crystals
- 33 Jacob Johnny Deposition and Characterization of Ru@SILP on Si Wafer Substrates as Designer Catalysts
- 34 Patrick Hutterer Influence of Composition on Structural Evolution and Material Properties of High Entropy Zirconates
- 35 Ricardo Alonso Martinez-Hincapie Experimental Pitfalls in the Electrochemical Evaluation of Energy-related Materials
- 36 Janik Hebel Particle Velocity Measurements of Gas-assisted Iron Dust Flames in a Swirl Stabilized Combustion Chamber
- 37 Sebastian Grimm Gas-phase Reactions of Ferrocene: New Insights from Microreactor Studies Using Synchrotron Radiation
- 38 CANCELLED
- 39 Jaime Andres Gallego Marin An Easy Method to Obtain High Surface Area Perovskite-like Oxides. LaFe<sub>0.9</sub>Ru<sub>0.1</sub>O<sub>3±δ</sub> as Example
- 40 Markus Sebastian Friedrich Correlation of Phase Transitions and Diffusion in Polycrystalline WO<sub>3</sub> Films during electrochemical Ion Insertion and Extraction
- 41 Michal Fedoryk Laminar Combustion Wave Velocity and Structure Investigation in Bunsen Type Iron Dust Burners
- 42 Moritz Exner Observation of the Co-intercalation of Solvated Sodium Ions in Graphite by In-situ Characterization Techniques

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| <b>43</b> | Jan Luka Dornseifer | <b>Impedance Spectroscopy of Microstructured Ceria Thin Films</b>  |
| <b>44</b> | Johannes Döhn       | <b>Computational Screening of Oxide Perovskites as Insertion-Type Cathode Materials</b>                            |
| <b>45</b> | Simon Daubner       | <b>Modeling Battery Intercalation Materials on the Nano- and Micro-scale</b>                                       |
| <b>46</b> | Samira Boukachabia  | <b>Study of CsBX<sub>3</sub> Perovskites (B = Pb, Sn, Ge / X = Cl, Br, I) by TDDFT Method</b>                      |
| <b>47</b> | Usman Ali           | <b>Physisorption Studies about Tuning of Mesoporosity in Silica Monoliths Controlled by Hydrothermal Treatment</b> |
| <b>48</b> | Md Yusuf Ali        | <b>Gradient Ceramics in Polymer hybrid electrolyte for solid state Li-ion batteries</b>                            |
| <b>49</b> | Isnaldi Souza Filho | <b>Green Steel via Hydrogen Plasma Reduction of Iron Oxides</b>  |