



# „Bring Your Own Poster“ Session

University of Paderborn – Department of Chemistry  
05.12.18

## List of Contributions:

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|----|---|----|--|
| 01 | Jakob Steube, Prof. Bauer<br><b>Cyclometallierte Eisenkomplexe</b>  | 11 | Mahnaz Doostdar, Nico Carl, Benjamin Hämisch, Prof. Huber<br><b>Investigation of aggregation processes via scattering techniques</b>                           |
| 02 | Lennart Schmitz, Prof. Bauer<br><b>Synthese eines Brückenliganden zur Darstellung einer Eisen-Cobalt-Dyade</b>  | 12 | Fabian Kollmann, Benjamin Hämisch, (Anne Büngeler), Prof. Huber<br><b>Investigation of self assembly processes in synthetic and biological systems</b>         |
| 03 | Philipp Dierks, Prof. Bauer<br><b>Multichromophoric Fe-Complexes as Photosensitizers</b>  | 13 | Zimei Chen, Prof. Kuckling<br><b>Organic Hydrogels as Porogenic Matrices for Mesoporous Metal Oxide Films</b>  |
| 04 | Steffen Schlicher, Prof. Bauer<br><b>New Iron Catalysts for CO Oxidation</b>  | 14 | Marie-Theres Picker, Prof. Kuckling<br><b>Molecular Coding/Decoding of Oligomer Sequences via Advanced Polymer Chromatography – IMS-MS hyphenation</b>         |
| 05 | Kai Zhao, Prof. Bremser<br><b>Synthesis, Applications and Characterization of Thermal, Mechanical and Dielectric Reinforced Polymer-Layered Silicate Nanocomposites</b> | 15 | Dimitri Jung, Prof. Kuckling<br><b>Self-immolative Drug-Delivery-Systems based on Polycarbonate-Compounds</b>  |
| 06 | Pascal Pollmeier, Prof. Fechner<br><b>Kreativität beim Auswerten von Daten - eine Untersuchung zur Einstellungsänderung von Lernenden aufgrund von anomalen Daten</b>   | 16 | Patrik Berg, Prof. Kuckling<br><b>Application of polymer networks as carrier for organocatalysts inside microfluidic continuous flow reactors</b>              |
| 07 | Yu Yang, Prof. Grundmeier<br><b>Nanopatterned Ti surfaces for investigating the effect of surface topography on protein adsorption</b>                                  | 17 | Hendrik Wiebeler, Prof. Kühne<br><b>Ab initio study of pnictides and halides: Identification of transparent p-type conducting materials</b>                    |
| 08 | Steffen Knust, Prof. Grundmeier<br><b>Surface modification of an oxide-covered zinc alloy by means of atmospheric DBD treatment</b>                                     | 18 | Frederik Zysk, Prof. Kühne<br><b>Confined geometries analysis by semi-empirical MD simulations</b>   |
| 09 | Richard Grothe, Prof. Grundmeier<br><b>Height Regulating Scanning Kelvin Probe Studies of polymer metal (ZnAlMg) Interfaces</b>   | 19 | Naveen Kumar Kaliannan, Prof. Kühne<br><b>Impact of intermolecular vibrational coupling effects on the sum-frequency generation of the water/air interface</b> |
| 10 | Prof. Stephan Hohloch<br><b>Organometallische Chemie am Ende des Periodensystems</b>  | 20 | Patrick Müller, Prof. Kühne/Prof. Bauer<br><b>Experimental and theoretical High-energy resolution X-ray absorption spectroscopy</b>                            |
|    |   | 21 | Dr. Katharina Brassat, Prof. Lindner<br><b>Joining self-assembly techniques: A route to hierarchical nanopores</b>   |
|    |   | 22 | Garrit Wicker, Prof. Paradies<br><b>Synthesis of Dibenzopentalene-Derivatives</b>  |

- 23 Arne Stepen, Prof. Paradies  
**Electrophilic Phosphonium Cation-Mediated Phosphane Oxide Reduction Using Oxalyl Chloride and Hydrogen**
- 24 Benedikt Sieland, Prof. Paradies  
**Stabilization of Encounter Complexes of Intermolecular Frustrated Lewis Pairs by Dispersion Energy Donors**
- 25 Peng Hou, Prof. Paradies  
**Modular Synthesis of Imidazolylidene-Substituted Quinoidal Heteroacenes**
- 26 Dr. Aoras Ameen Kadhime, Prof. Paradies  
**Modular Synthesis of Imidazolylidene-substituted Quinoid Heteroacenes**
- 27 Nikolai Sitte, Prof. Paradies  
**Frustrated Lewis Pair Catalyzed Hydrogenation of Amides - Halides as active Lewis base in the metal-free hydrogen activation**
- 28 Waldemar Keil, Prof. Schmidt  
**Cooperative effects in Organic-Inorganic Hybride Electrolytes**
- 29 Marc Hartmann, Prof. Tiemann  
**Water Sorption Studies on Functionalized Mesoporous Silica**
- 30 Benjamin Fanselow, Prof. Tiemann  
**Investigation of pore filling techniques on cerium(IV)oxide**
- 31 Bastian Draphoen, Prof. Tiemann  
**Selective Manipulation in Ordered Mesoporous CMK-5 Carbon**
- 32 Markus Schmitz, Prof. Tiemann  
**Ordered Mesoporous Carbon for Lithium-Sulfur Batteries**
- 33 Ali Javed, Prof. Tiemann  
**Impedance of metal organic framework single crystals**
- 34 Patrick Schnippering, Prof. Tiemann  
**Mesoporous Metal Oxides - Synthesis and Applications**

- 35 Andrej Paul, Prof. Tiemann/Dr. Wagner  
**A Mesoporous CuO/SiO<sub>2</sub> Composite Material for Dosimeter-type H<sub>2</sub>S Gas Detection**
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**Virtual Gas Sensor Array by Cyclic Optical Activation: Optimization of Activation Profile by Machine Learning.**
- 37 Xuyang Zhang, Dr. Wagner  
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