

## VORTRÄGE 2016

**Bachmann, Sebastian :**

A powerful tool to determine molecular weights of small molecules

*4<sup>th</sup> Practical Applications NMR in Industry Conference (PANIC), Houston, USA, 17.02.2016*

**Bachmann, Sebastian :**

Update on molecular weight determination by ECC DOSY NMR

*Center for Materials Crystallography (CMC) Workshop, Göttingen, 29.01.2016*

**Dege, Janina ; Waitz, Thomas :**

Nanotechnology in the context of an education for sustainable development: Perspectives for a curricular school innovation

*24<sup>th</sup> International Conference on Chemical Education (ICCE), Kuching, Malaysia 18.08.2016*

**Herbst-Irmer, Regine :**

Crystal structure determination – a routine method!?

*Institutseminar, Institut für Anorganische Chemie und Kristallographie, Universität Bremen, 09.06.2016*

**Herbst-Irmer, Regine :**

Empirical correction for resolution- and temperature-dependent errors caused by factors such as thermal diffuse scattering

a) *7<sup>th</sup> European Charge Density Meeting, Warschau, Polen, 26.06. – 01.07.2016*

b) *30<sup>th</sup> European Crystallographic Meeting, Basel, CH, 28.08. – 01.09.2016*

**Jung, Jochen :**

Synthesis, coordination and fluorescence studies on novel {NPN} and {NNN} ligands

*Center for Materials Crystallography (CMC) Workshop, Göttingen, 29.01.2016*

**Jung, Jochen :**

With sulfur centered ligands to single-molecule magnets (SMMs)

*Annual CMC Away Day, Veslos, Dänemark, 24.11.2016*

**Köhne, Ingo :**

Alkaline earth metal complexes for small molecule activation - updates

*Center for Materials Crystallography (CMC) Workshop, Aarhus, Dänemark 26.04.2016*

**Köhne, Ingo**

Alkaline earth metal complexes derived from chelating heteroaromatics for small molecule activation

*Gesellschaft Deutscher Chemiker, 8. JungChemiker Forum, Göttingen, 21.06.2016*

**Kupper, Claudia**

Complete series of {FeNO}<sup>8</sup>, {FeNO}<sup>7</sup> and {FeNO}<sup>6</sup> complexes stabilized by a tetracarbene macrocycle

*12. Koordinationschemie-Treffen in Kiel, 29.02.2016*

**Lübben, Anna :**

PDB2INS - an interface to SHELXL refinements of macromolecules

*American Crystallographic Association Annual Meeting, Denver, USA, 22.-26.07.2016*

**Lübben, Anna :**

PDB2INS - setting up macromolecular refinements for SHELXL

*American Crystallographic Association SHELX Workshop, Denver, USA, 22.07.2016*

**Lübben, Jens :**

An enhanced Hirshfeld test - validating atomic vibrations in crystal structures

a) *American Crystallographic Association Annual Meeting, Denver, USA, 22.-26.07.2016*

b) *30<sup>th</sup> European Crystallographic Meeting, Congress Center Basel, CH, 28.8. – 01.09.2016*

**Lübben, Jens :**

R-complete - a bias free quality indicator

*American Crystallographic Association SHELX Workshop, Denver, USA, 22.07.2016*

**Meyer, Franc :**

Bioinspired activation of small molecules for energy-related catalysis

- a) 2<sup>nd</sup> *Inorganic Chemistry Conference in Erlangen*, 07.09.2016
- b) *Institut für Biochemie der Ernst-Moritz-Arndt Universität Greifswald*, 23.09.2016
- c) *CSCB Symposium am Trinity College in Dublin, Irland*, 09.12.2016

**Meyer, Franc :**

Bioinspired approaches to small molecule activation and energy-related catalysis

- a) *Girona Seminar 2016 in Girona, Spanien*, 19.04.2016
- b) *GDCh-Kolloquium am Institut für Anorganische Chemie der Universität Ulm*, 09.06.2016

**Meyer, Franc :**

Bioinspired complexes for the activation of small molecules relevant to chemical energy Conversion  
*Vortrag bei der Prüfungskommission Verteidigung Mu-Chieh Chang und*  
*Vortrag an der Universität Groningen, Niederlande*, 18.01.2016

**Meyer, Franc :**

Bioinspired dioxygen activation at highly preorganized dicopper sites

2<sup>nd</sup> *Small Molecule Activation Conference in Cancun, Mexiko*, 20.05.2016

**Meyer, Franc :**

Bioinspired small molecule activation: Key enzymatic intermediates in an organometallic cloak

27<sup>th</sup> *International Conference on Organometallic Chemistry in Melbourne, Australien*, 20.07.2016

**Meyer, Franc :**

Bio-inspirierte Aktivierung kleiner Moleküle für energierelevante Katalyse

*GDCh-Kolloquium am Institut für Anorganische und Analytische Chemie der Universität Münster*,  
 21.11.2016

**Meyer, Franc :**

Metal centers acting in concert: Small molecule activation at bioinspired bimetallic sites

- a) 7<sup>th</sup> *Franco-Catalan Meeting, 1st HC3A Meeting in Toulouse, Frankreich*, 26.01.2016
- b) *Seminar am KTH Royal Institute of Technology in Stockholm, Schweden*, 26.02.2016

**Meyer, Franc :**

New turns in biomimetic dioxygen activation at dicopper sites

42<sup>nd</sup> *International Conference on Organometallic Chemistry in Brest, Frankreich*, 04.07.2016

**Meyer, Franc :**

New turns in cooperative small molecule activation at bimetallic sites

*Workshop on Small Molecule Activation in Telluride, USA*, 22.06.2016

**Paesch, Alexander :**

Synthesis of novel N-heterocyclic silylenes (*Poster*)

- a) 4. *Niedersächsisches Katalyse Symposium (NiKaS), TU Braunschweig*, 19.09.2016
- b) *Annual CMC Away Day, Veslos, Dänemark*, 24.11.2016

**Paesch, Alexander :**

Synthesis of novel N-heterocyclic silylenes and their transition metal complexes

- a) *CaSuS Workshop, Ronneburg*, 25.01.2016
- b) 8. *Jungchemiker Forum Göttingen*, 21.06.2016

**Paesch, Alexander :**

Updates on synthesis of novel N-heterocyclic silylenes and their transition metal complexes

*Center for Materials Crystallography (CMC) Workshop, Aarhus, Dänemark* 26.04.2016

**Roesky, Herbert W. :**

An exciting study on homogeneous fluorine catalysts

18<sup>th</sup> *European Symposium on Fluorine Chemistry, Kyiv, Ukraine*, 07.-12. 08.2016

**Roesky, Herbert W. :**

Chemistry of silicon and selected transition metals with low coordinate and low valent elements

*Tagung der Chinesisch-Deutschen Forschungsgesellschaft, School of Chemistry Beijing Institute of Technology, Beijing, China*, 10.-16.04.2016

**Roesky, Herbert W. :**

Materials of low valent and low coordinate main group and transition elements

*GDCh Vortrag, Stuttgart*, 15.12.2016

**Roesky, Herbert W. :**

Recent advances in silicon chemistry

8<sup>th</sup> European Silicon Days, **Poznan, Polen**, 28.-31.08.2016

**Roesky, Herbert W. :**

The interstellar space: A guide for exciting chemistry

a) *International Conference on Materials for the Millenium, Cochín, Indien* 14.01-16.01.2016

b) *Department of Chemistry (IISER), Pune, Indien* 17.-19.01.2016

c) *Mumbai Indian Institute of Chemistry (IIT) Mumbai, Indien* 19.-22.01.2016

**Sammuto, Masimo :**

BORGES\_MATRIX: a tool to generate models for ab initio phasing and for structure interpretation.

30<sup>th</sup> European Crystallographic Meeting, Congress Center **Basel, CH**, 28.8. – 01.09.2016

**Sammuto, Massimo :**

Enforcing secondary and tertiary structure for crystallographic phasing

*American Crystallographic Association SHELX Workshop, Denver, USA*, 22.07.2016

**Schneider, Sven :**

1) Dinitrogen functionalization via N<sub>2</sub>-splitting

2) Transformation of dinitrogen to nitriles

6<sup>th</sup> Sino German Frontiers of Chemistry Symposium, **Shanghai, China**, 01.09.2016

**Schneider, Sven :**

Activation of nitrogen compounds: Chemical transformation of N<sub>2</sub> and amines

17<sup>th</sup> The Netherlands' Catalysis and Chemistry Conference (NCCC), **Noordwijkerhout, Niederlande**, 08.03.2016

**Schneider, Sven :**

Dinitrogen functionalization via N<sub>2</sub>-splitting

*Gordon Conference, Newport, Rhode Island, USA*, 10.07.2016

**Schneider, Sven :**

The fixation with fixation: Chemical transformations of N<sub>2</sub>

a) *Gastvortrag an der Ruprecht-Karls-Universität, Heidelberg*, 07.06.2016

b) *GDCh-Vortrag an der Universität Bayreuth*, 30.06.2016

c) *GDCh-Vortrag an der Jacobs University, Bremen*, 07.11.2016

**Schneider, Sven :**

The fixation with fixation: Chemical transformations of N<sub>2</sub> beyond ammonia

*Gastvortrag an der Technische Universität Berlin*, 20.10.2016

**Schneider, Sven :**

The fixation with fixation: Transformations of N<sub>2</sub> mediated by transition metal pincer complexes

*Gastvortrag an der Ludwig-Maximilians-Universität München*, 01.12.2016

**Schneider, Sven :**

The fixation: Chemical transformations of N<sub>2</sub> mediated by pincer complexes

*Gastvortrag an der Albert-Ludwigs-Universität, Freiburg*, 07.12.2016

**Schneider, Sven :**

Transformation of N<sub>2</sub> to nitriles

42<sup>nd</sup> International Conference on Coordination Chemistry, **Brest, Frankreich**, 05.07.2016

**Sheldrick, George M. :**

Adapting crystallographic programs to multiple-CPU computers

*ECACOMSIG Computing School, Freudenstadt*, 26.08.2016

**Sheldrick, George M. :**

Crystallographic algorithms for multiple-CPU computers

*American Crystallographic Association, Denver, USA*, 26.07.2016

**Sheldrick, George M. :**

Experimental phasing of macromolecules with SHELXC/D/E

*American Crystallographic Association SHELX Workshop, Denver, USA*, 22.07.2016

**Sheldrick, George M. :**

Experimental phasing of macromolecules

*Bruker SC-XRD Users' Meeting, Martinsried, Muenchen, Germany* 13.09.2016

**Sheldrick, George M. :**

Intrinsic phasing

*Bruker Users' Meeting, Jacksonville, USA, 18.01.2016*

**Sheldrick, George M. :**

Introduction to SHELX, structure solution with SHELXT

*American Crystallographic Association SHELX Workshop, Denver, USA, 22.07.2016*

**Sheldrick, George M. :**

SHELX tutorial

*Bruker Users' Meeting, Jacksonville, Florida, USA, 19.01.2016*

**Sheldrick, George M. :**

The philosophy behind intrinsic phasing

*Bruker SC-XRD Users' Meeting, Martinsried, München, 14.09.2016*

**Siewert, Inke :**

Copper and cobalt complexes for the electrochemical proton reduction

*Girona Seminar on Predictive Catalysis, Girona, Spanien, 20.04.2016*

**Siewert, Inke :**

Electrocatalytic water splitting using cobalt and copper complexes

*2<sup>nd</sup> Molecules and Materials for Artificial Photosynthesis, Cancún, Mexiko, 26.02.2016*

**Siewert, Inke :**

Elektrochemische H<sub>2</sub>-Entwicklung mit Kupferkomplexen

*Chemiedozententagung, Heidelberg, 23.03.2016*

**Siewert, Inke :**

Kupfer- und Cobaltverbindungen als Katalysatoren in chemischen Energiekonversionsreaktionen

*Chemiedozententagung, Heidelberg, 21.03.2016*

**Siewert, Inke :**

Proton-coupled electron transfer reactions

*IRTG 2027, Münster, 23.05.2016*

**Siewert, Inke :**

Proton-coupled electron transfer reactions involving copper complexes and the application in the hydrogen evolution reaction.

*Institutskolloquium, Freiburg, 13.01.2016*

**Siewert, Inke :**

Proton-coupled electron transfer reactions mediated by cobalt and copper complexes

a) *Workshop on Activation of Small Molecules, Telluride, USA, 21.06.2016*

b) *Leibniz-Institut für Katalyse e. V., Rostock, 26.04.2016*

**Stalke, Dietmar :**

100 years of Lewis' diagram – is it still valid in the light of charge density investigations?

*Chair and invited talk at the European Charge Density Meeting ECDM 7 at the University of Warsaw, Polen, 26.06. – 01.07.2016*

**Stalke, Dietmar :**

100 years of Lewis' diagrams – still valid in the light of charge density?

*GDCh-Vortrag am Institut für Anorganische Chemie der Universität Dortmund, 14.11.2016*

**Stalke, Dietmar :**

Deduction of chemical properties from charge density investigations

*Course at the "Robert Stewart school on electron density and related properties" at the University of Nancy, Frankreich, 22. – 26.08.2016*

**Stalke, Dietmar :**

Experimental charge density as the key to understand chemical interactions

*Rigaku Americas Corporation, The Woodlands, Houston, USA, 29.08. – 03.09.2016*

**Stalke, Dietmar :**

Hilft die Festkörperstruktur bei der Bestimmung der Struktur in Lösung?

a) *Institutskolloquium am Institut für Anorganische Chemie des KIT, Karlsruhe, 30.05.2016*

b) *Institutskolloquium am Institut für Organische Chemie der Universität Darmstadt, 31.05.2016*

**Stalke, Dietmar :**

Is the solid state structure of any help to determine the structure in solution?

- a) *GDCh-Vortrag am Institut für Organische Chemie der Universität **Siegen**, 07.06.2016*
- b) *Chair and keynote lecture at the 11<sup>th</sup> Carbanion Meeting ISCC 11 at the University of **Rouen**, Frankreich, 17. – 21.07.2016*
- c) *Wöhler-Tagung an der Freien Universität **Berlin**, 26. – 28.09.2016*

**Stalke, Dietmar :**

Low coordinated phosphorus in *Janus head* ligands

*China-Germany Bilateral Meeting on Challenges and Opportunities of Main Group Chemistry at the Beijing Institute of Technology, **Peking**, China, 10. – 16.04.2016*

**Stalke, Dietmar :**

Polyimido sulfur scorpionates in molecular magnetism

*Oral contribution to the International Coordination Chemistry Conference ICC-42 at the University of **Brest**, France, 03. – 08.07.2016*

**von Hoff, Elena ; Waitz, Thomas :**

Closing the gap between science and society:

A science outreach project on biomembranes for high school students

*24<sup>th</sup> International Conference on Chemical Education (ICCE), **Kuching**, Malaysia 18.08.2016*

**Waitz, Thomas :**

Fachdidaktische Perspektiven zum Thema Nano im Chemieunterricht

*Universität **Flensburg**, 13.06.2016*

**Waitz, Thomas :**

Laut – Spannend – Lehrreich: Eine Reise mit dem Chemie-Express durch das Periodensystem der Elemente

*Kinder-Uni Göttingen, Universität **Göttingen**, 27.01.2016*

**Waitz, Thomas :**

Mit Wumms! Chemische Experimente mit energiereichen Stoffen - nur faszinierend oder auch nützlich?

*Universität **Göttingen**, 05.11.2016*

**Waitz, Thomas :**

Nano - eine vernachlässigte Dimension im Chemieunterricht?

Perspektiven, Potentiale und curriculare Innovationen fachdidaktisch betrachtet

*GDCh Kolloquium, Universität **Gießen**, 28.06.2016*

**Waitz, Thomas :**

Nano – Eine vernachlässigte Dimension im Chemieunterricht?

*Universität **Köln**, 18.07.2016*

**Waitz, Thomas :**

Nanoscience education: Perspectives, concepts and experiments for school chemistry

*New Perspective for Science Education, **Florenz**, Italien, 17.03.2016*

**Wandtke, Claudia M. :**

Identification of unknown metal atoms in coordination compounds

*American Crystallographic Association Annual Meeting, **Denver**, USA, 22.-26.07.2016*

**Wandtke, Claudia M. :**

ShelXle - a GUI for structure determination with SHELXL

*American Crystallographic Association SHELX Workshop, **Denver**, USA, 22.07.2016*