

SYNTHESE UND KATALYSE

Advances in Organic Chemistry and Catalysis Liebig-Vereinigung für Organische Chemie

Montag, 2. September 2013

Raum: spectrum

- 10:30 – 11:10 **Palladium, Iron and Cobalt Catalysts: Application to the Synthesis of heterocyclic Compounds**
J. Cossy, Paris/FR
- 11:10 – 11:30 **Synthesis of decanolid natural products using olefin metathesis and extended tethered olefin metathesis reactions**
B. Schmidt, Potsdam-Golm/DE, O. Kunz, Potsdam-Golm/DE
- 11:30 – 11:50 **Poster-Kurzvorträge**
- 11:50 – 12:10 **„One size fits all“: Diversity-oriented approach in the total synthesis of bicyclo[3.3.0]octane-derived natural products**
S. Laschat, Stuttgart/DE, V. Lutz, Stuttgart/DE, C. Krüger, Stuttgart/DE, C. Rothe, Stuttgart/DE, A. Baro, Stuttgart/DE, A. Raja, Braunschweig/DE, F. Sasse, Braunschweig/DE
- 12:10 – 12:30 **New Opportunities for Synthesis using Flow Chemistry**
T. Wirth, Cardiff/GB

Dienstag, 3. September 2013

Raum: spectrum

- 14:20 – 15:00 **Exploring Efficiency through Multicomponent Multicatalyst Reactions ((MC)2R)**
M. Lautens, Toronto/CA
- 15:00 – 15:20 **Heterocycles from Deprotonated α -Aminonitriles**
T. Opatz, Mainz/DE
- 15:20 – 15:40 **Poster-Kurzvorträge**
- 16:20 – 16:40 **Dithienothiazines – A Novel Class of Donor Heterocycles**
T. J. J. Müller, Düsseldorf/DE, C. Dostert, Düsseldorf/DE, C. Wanstrat, Düsseldorf/DE
- 16:40 – 17:00 **Multidentate Halogen-Bond Donors in Organic Synthesis and Organocatalysis**
S. M. Huber, Garching/DE, F. Kniep, Garching/DE, S. Jungbauer, Garching/DE, S. Walter, Garching/DE, S. Schindler, Garching/DE
- 17:00 – 17:20 **New Synthetic Strategies for Semiconducting Polymers**
A. Staubitz, Kiel/DE, A. Heinrich, Kiel/DE, J. Linshoef, Kiel/DE, S. Segler, Kiel/DE, B. Thiedemann, Kiel/DE, P. Gates, Bristol/GB
- 17:20 – 17:40 **Tuning of Frustrated Lewis Pairs' Reactivity by Electronic Modifications: Catalytic Hydrogenation of Olefins and Nitroolefins**
J. Paradies, Karlsruhe/DE, L. Greb, Karlsruhe/DE

Advances in Organic Supramolecular Chemistry (mit Alexander Todd - Hans Krebs-Vorlesung) Liebig-Vereinigung für Organische Chemie

Montag, 2. September 2013

Raum: spectrum

- 14:20 – 15:00 **Title to be announced**
T. Aida, Tokyo/JP
- 15:00 – 15:20 **Water-soluble polyglycerol dendronized perylene dyes as efficient surfactants and energy collectors for single walled carbon nanotubes**
R. Haag, Berlin/DE, T. Heek, Berlin/DE, F. Ernst, Berlin/DE, A. Setaro, Berlin/DE, S. Reich, Berlin/DE
- 15:20 – 15:40 **Self-sorting effects in the self-assembly of metallasupramolecular aggregates**
A. Lützen, Bonn/DE
- Alexander Todd – Hans Krebs-Vorlesung**
- 16:20 – 17:00 **Synthesis of Molecular Wires for Nanotechnology & Neuroscience**
H. Anderson, Oxford/GB
- 17:00 – 17:20 **Strategies for Anion Recognition in Aqueous Media**
S. Kubik, Kaiserslautern/DE
- 17:20 – 17:40 **Cucurbiturils – Behrend's Macrocycles**
W. M. Nau, Bremen/DE

Improving Synthetic Efficiency Liebig-Vereinigung für Organische Chemie, FG Nachhaltige Chemie

Montag, 2. September 2013

Raum: titanium 3

- 14:20 – 15:00 **Step-Economical C-H Functionalization**
L. Ackermann, Göttingen/DE
- 15:00 – 15:20 **Features of modern microwave instrumentation – improving synthetic efficiency**
A. Stadler, Graz/AT
- 15:20 – 15:40 **Catalysis for Efficient Vitamins Production**
T. Netscher, Basel/CH
- 16:20 – 17:00 **Sustainability as a Guiding Principle in Industrial Research**
S. Buchholz, Marl/DE
- 17:00 – 17:20 **Nickel Catalysis as Tool for the Removal of Directing Groups**
S. Enthaler, Berlin/DE
- 17:20 – 17:40 **Sustainable concepts for C-C and C-heteroatom bond formation**
L. Gooßen, Kaiserslautern/DE, B. Song, Kaiserslautern/DE, P. Mamone, Kaiserslautern/DE, S. Bhadra, Kaiserslautern/DE, G. Danoun, Kaiserslautern/DE

CO₂ für die chemische und energetische Wertschöpfung
(Karl-Ziegler-Symposium)

Liebig-Vereinigung für Organische Chemie,
Wöhler-Vereinigung für Anorganische Chemie

Mittwoch, 4. September 2013

Raum: spectrum

- 10:30 – 11:10 **Catalysis using Gold Hydroxide Complexes**
S. Nolan, St. Andrews/GB
- 11:10 – 11:50 **A Catalytic Route to Acrylates from Alkenes and CO₂**
M. Limbach, Heidelberg/DE, A. Gordillo, Heidelberg/DE, M. Bru, Heidelberg/DE, R. Lindner, Heidelberg/DE, P. Ariyananda, Heidelberg/DE, T. Kageyama, Heidelberg/DE, P. Plessow, Heidelberg/DE
- 11:50 – 12:30 **CO₂-Triggered Switchable Solvents and Surfactants**
P. G. Jessop, Kingston/CA
- 14:20 – 15:00 **Making Polymers from Carbon Dioxide and Cyclic Ethers**
D. J. Darensbourg, College Station/US
- 15:00 – 15:40 **Solar Fuels from Carbon Dioxide and Water: Catalytic Photoelectrochemical and Electrochemical generation of Alcohols**
A. Bocarsly, Princeton/US

Highlights aus der Anorganischen Chemie
(mit Verleihung des EurJIC Young Investigator Prize, Arfvedson-Schlenk-Preises und der Hermanos Elhuyar - Hans Goldschmidt-Vorlesung)
Wöhler-Vereinigung für Anorganische Chemie

Montag, 2. September 2013

Raum: neon 2

- 14:20 – 15:00 **Verleihung des EurJIC Young Investigator Prize mit Vortrag des Preisträgers**
N. N.
- 15:00 – 15:20 **Synthetic Analogues for Reduced [2Fe-2S] Cofactors and for Rieske Centers**
F. Meyer, Göttingen/DE, A. Albers, Göttingen/DE, S. Demeshko, Göttingen/DE, S. Dechert, Göttingen/DE, E. Bill, Mülheim (Ruhr)/DE
- 15:20 – 15:40 **[FeFe]-Hydrogenasemodelle: Vom Eisensulfid zur photochemischen Generierung von Wasserstoff**
W. Weigand, Jena/DE, R. Goy, Jena/DE, U. Apfel, Bochum/DE, P. Schollhammer, Brest/FR, J. Talarmin, Brest/FR
- 16:20 – 17:00 **Recent insights into the reactivity of White Phosphorus Mediated by Ruthenium Complexes: from the Hydrolysis to the Hydrogenation of the P₄ Tetrahedron**
M. Peruzzini, Sesto Fiorentino/IT
- 17:00 – 17:20 **Nitrido Pincer Complexes: Some Lessons for N₂ Fixation and Coupling**
S. Schneider, Göttingen/DE, M. Scheibel, Göttingen/DE, B. Askevold, Göttingen/DE
- 17:20 – 17:40 **Ternary M/E¹⁴/E¹⁵ and M/E¹³/E¹⁵ Intermetalloid Zintl-Anions**
S. Dehnen, Marburg/DE, B. Weinert, Marburg/DE, F. Lips, Marburg/DE, R. Ababei, Marburg/DE
- 17:40 – 18:00 **Main Group Molecules in 4f Metal Chemistry**
P. W. Roesky, Karlsruhe/DE

Dienstag, 3. September 2013

Raum: neon 2

- 10:30 – 11:10 **Arfvedson-Schlenk-Preis**
FascinATES: Synergistic Reactivity in Mixed-Metal Metallation Chemistry
R. E. Mulvey, Glasgow/GB
- 11:10 – 11:50 **Hermanos Elhuyar - Hans Goldschmidt-Vorlesung**
Molecular Catalysts that Oxidize Water to Dioxgen
A. Llobet, Tarragona/ES
- 11:50 – 12:10 **Tyrosinase 2.0: katalytische Hydroxylierung nicht-biologischer Substrate**
S. Herres-Pawlis, München/DE, A. Hoffmann, München/DE, S. Binder, Hamburg/DE, A. Goos, Hamburg/DE, M. Rübhausen, Hamburg/DE, O. Tröppner, Erlangen-Nürnberg/DE, I. Ivanovic-Burmazovic, Erlangen-Nürnberg/DE
- 12:10 – 12:30 **Dotieren mit Silizium: Clustererweiterung bei metalloiden Zinnclustern**
A. Schnepf, Tübingen/DE

Highlights aus der Fluorchemie
AG Fluorchemie

Dienstag, 3. September 2013

Raum: spectrum

- 10:30 – 11:10 **Can elemental helium form chemical bonds in neutral molecules?**
W. Grochala, Warschau/PL
- 11:10 – 11:30 **Novel Methods for the Synthesis of Fluorinated and Perfluoroalkylated Arenes**
S. Bräse, Karlsruhe/DE
- 11:30 – 11:50 **Modern fluorocontaining agrochemicals: trends and challenges**
S. Pazenok, Monheim/DE
- 11:50 – 12:10 **C-F Bond activation reactions at rhodium: from model reactions to catalysis**
T. Braun, Berlin/DE
- 12:10 – 12:30 **Preisträger-Vortrag**
Hot Chemistry in a Cold Environment – Investigation of Novel Metal Fluorides
S. Hasenstab-Riedel, Freiburg/DE