## ZEUCHEMS CHEMISTRY CONGRESS

2008 SEPTEMBER 16 - 20 TORINO, ITALY

## CHEMISTRY: THE GLOBAL SCIENCE

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RSC Advancing the Chemical Sciences Chair Lorenza OPERTI (IT) Co-chair Salvatore COLUCCIA (IT) Special topic symposia:

#### ADVANCES IN SYNTHESIS

- Organic Catalysis
- Radical Reactivity in Transition Metal Chemistry
- Reactions under Novel Conditions

#### ADVANCES IN UNDERSTANDING

- Chemical Measurement Quality: Societal Impact
- Cutting Edge Chemistry with Computers
- Food Analysis: Pushing Detection Limits down to Nothing

#### CHEMISTRY AND LIFE SCIENCES

- Biomolecular Interactions and Mechanisms
- Drug Targeting and Delivery
- Metal Homeostasis

#### ENERGY AND INDUSTRY

- Biorefineries and Biotechnologies
- Energy Production & Storage
- New Trends for Agrochemicals

#### ENVIRONMENT

- Greening Chemistry
- Greenhouse Gases
- Water Pollutants

#### MATERIALS AND DEVICES

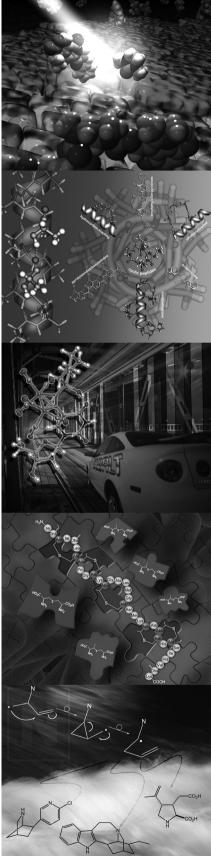
- Branched Polymers Smart Functional Materials
- Nanomaterials
- Porous Materials

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A deep cavitand catalyzes the Diels–Alder reaction of bound maleimides Richard J. Hooley and Julius Rebek Jr. *Org. Biomol. Chem.*, 2007, **5**, 3631 - 3636, **DOI**: 10.1039/b713104f

Chiral recognition in noncovalent bonding interactions between helicenes: right-handed helix favors right-handed helix over left-handed helix Ryo Amemiya and Masahiko Yamaguchi *Org. Biomol. Chem.*, 2008, **5**, 26 - 35, **DOI**: 10.1039/b713700a

Host-rotaxanes model proteins that promote ligand association through a favorable change in configurational entropy Jing Zhu and David B. Smithrud *Org. Biomol. Chem.*, 2007, **5**, 2992 - 2999, **DOI**: 10.1039/b707955a

#### Enzyme-purification and catalytic transformations in a microstructured PASSflow reactor using a new tyrosine-based Ni-NTA linker system attached to a polyvinylpyrrolidinone-based matrix

Gerald Dräger, Csilla Kiss, Ulrich Kunz and Andreas Kirschning Org. Biomol. Chem., 2007, **5**, 3657 - 3664, **DOI**: 10.1039/b712804e

Molecular rearrangements through thermal [1,3] carbon shifts John E. Baldwin and Phyllis A. Leber *Org. Biomol. Chem.*, 2008, **5**, 36 - 47, **DOI**: 10.1039/b711494j

## RNA-selective cross-pairing of backbone-extended pyrrolidine-amide oligonucleotide mimics (bePOMs)

Roberta J. Worthington, Neil M. Bell, Raymond Wong and Jason Micklefield Org. Biomol. Chem., 2008, **5**, 92 – 103, **DOI**: 10.1039/b714580m

Heterogeneous catalysis with nickel-on-graphite (Ni/Cg) Tom A. Butler, Elizabeth C. Swift and Bruce H. Lipshutz Org. Biomol. Chem., 2008, **5**, 19 - 25, **DOI**: 10.1039/b714600k

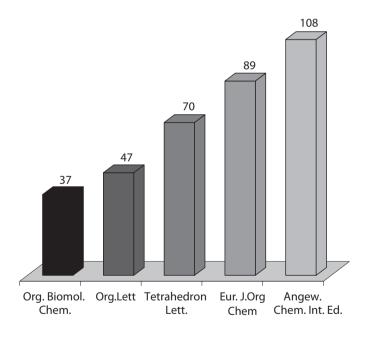
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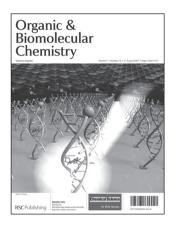
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