

---

# CONTENTS

# INHALT

# SOMMAIRE

---

## CHIMIA NEWS

- |   |   |
|---|---|
| 4 | Editorial Board   |
| 4 | Contents 2008   |
| 4 | On-Line Version of CHIMIA                                   |
| 4 | Platform Chemistry of the Swiss Academy of Sciences (SCNAT) |
| 4 | Columns   |
| 4 | <i>Nachrichten aus der Chemie</i>                           |
| 4 | Open Access Publishing                                      |
| 5 | Instructions to Authors 2008                                |

---

# Hot Topics

## EDITORIAL

- |   |                  |
|---|------------------|
| 7 | <i>P. Renaud</i> |
|---|------------------|

- |    |   |
|----|---|
| 8  | Automated Synthesis of Oligosaccharides Provides Access to Chemical Tools and Vaccine Candidates<br><i>L. Kröck, P. H. Seeberger*</i>   |
| 13 | Towards Magnetic Molecule and Reagent Separation in Organic Synthesis:<br>Development and Use of Covalently Functionalized Nanomagnets<br><i>S. C. Halim, W. J. Stark*</i>  |
| 18 | A Simple Straightforward Synthesis of Phenylphosphane and the Photoinitiator Bis(mesitoyl)phenylphosphane Oxide (IRGACURE 819)<br><i>H. Grützmacher*, J. Geier, D. Stein, T. Ott, H. Schönberg, R. H. Sommerlade, S. Boulmaaz, J.-P. Wolf, P. Murer, T. Ulrich</i>  |
| 23 | Lead-Discovery of <i>bis</i> -Aromatic Alkynes: A Novel Class of Herbicides<br><i>J. Glock, J. Allen, T. Niderman, H. U. Haas, R. Chollet, M. Eberle, P. Renold, W. Lutz, J. Ehrler, M. Valentini, M. Walti, E. Sieger, T. Vettiger, H. Brunner, J. E. Penzotti, P. D. J. Grootenhuis, S. Bondy, D. D. Comer, S. Cheng, A. Steiger, M. Zeller, G. Laue, A. Friedmann, O. Jacob, M. Nina, H.-J. Widmer, K. Kreuz, G. W. Craig*</i> |
| 29 | Thermal Runaway of Dried Sewage Sludge Granules in Storage Tanks<br><i>M. S. Poffet, K. Käser, T. A. Jenny*</i>   |

---

## PRELOG LECTURE

- |    |  |
|----|--|
| 35 | Prelog Medal 2007 – Laudatio for Scott Denmark<br><i>A. Eschenmoser</i>                                      |
| 37 | Asymmetric Catalysis with Chiral Lewis Bases: A New Frontier in Main Group Chemistry<br><i>S. E. Denmark</i> |

**CONFERENCE REPORT**

- 41      RheManTec 2007 – Joint Swiss – South African Research Symposium down the Manganese Triad  
*R. Alberto\*, A. Roodt*

**SWISS SCIENCE CONCENTRATES**

- 42      Prepared by:  
*M. Austeri, R. Bach, N. Mehanna, R. Novikov, A. Sharma, F. Torricelli, J. Lacour*

**HIGHLIGHTS OF ANALYTICAL CHEMISTRY IN SWITZERLAND**

- 43      Impact of the Altitude of Pasture on Fatty Acid Composition of Milk  
*M. Collomb, K. Wehrmüller\**

**AUS DEN NACHRICHTEN AUS DER CHEMIE**

- 44      „Wie ein Regisseur im Theater“ – Interview mit Gerhard Ertl  
*Nachrichten aus der Chemie* **2008**, 56, 121–124

**INTERVIEW**

- 47      „Je mehr ich über die Natur weiss, desto stärker fällt mir auf, wie wenig ich darüber weiss“  
Interview mit Helma Wennemers, Universität Basel

**SCG/SSC/SCS**

- 49      SCG-Jahresbericht 2007  
58      DAC Division Analytical Chemistry

**INFORMATION**

- 59      Lectures

**CHIMIA-REPORT**

- 61      Markt, Apparate, Chemikalien und Dienstleistungen