
CONTENTS – INHALT – SOMMAIRE

LAUREATES: Awards and Honors SCS FALL MEETING 2007

EDITORIAL

- 196 *G. Fräter*
197 *T. Nitschke*
-

WERNER PRIZE 2007

- 198 From Simplicity to Complexity *via* Subcomponent Self-Assembly
*M. Hutin, D. Schultz, J. R. Nitschke**

GRAMMATICAKIS-NEUMANN PRIZE 2007

- 204 Artificial Molecular Machines Powered by Light
*M. Amelia, M. Semeraro, S. Silvi, A. Credì**

DR. MAX LÜTHI AWARD 2007

- 210 Analysis of Amphetamine Derivatives in Plasma Using Capillary Zone Electrophoresis Coupled with Laser-Induced Fluorescence after Derivatization on Solid-Phase Extraction Support
*L. Gremaud[§], J. Schappler, J.-L. Veuthey, C. Rohrbasser, S. Rudaz**

SCS METTLER-TOLEDO AWARDS 2007 FOR BEST ORAL PRESENTATIONS

- 215 Synthetic Pores as Sensors: Focus on Zinc Filters for IP₇ and Phytate Contents in Lentils, Almonds, and Soybeans
S. M. Butterfield^{§}, S. Matile*
- 217 Catalytic Activity of bis-Phosphine Ruthenium(II)-Arene Compounds
A. B. Chaplin
- 221 Preparation and Synthetic Applications of 8-Oxabicyclo[3.2.1]oct-6-en-3-one Derivatives
S. Favre[§], S. Gerber-Lemaire, P. Vogel*
- 226 The Non-Mevalonate Pathway to Isoprenoid Biosynthesis: A Potential Source of New Drug Targets
*A. K. H. Hirsch[§], F. Diederich**
- 231 Atom-Centered Potentials to Describe Dispersion Forces in Density Functional Theory
*I-C. Lin[§], U. Röthlisberger**
- 235 Vibrational Predissociation in Hydrogen Bonded Dimers: The Case of (HF)₂ and its Isotopomers
C. Manca[§], M. Quack, M. Willeke*
- 240 Effects of N-Terminus Substitution on the Structure and Spectroscopy of Gas-Phase Helices
J. A. Stearns^{§}, O. V. Boyarkin, T. R. Rizzo*
- 244 Microchip Isoelectric Focusing Applications
*M. Vlčková[§], M. A. Schwarz**

SCS POSTER PRIZES 2007 FOR BEST POSTER PRESENTATIONS

- 249 Antimicrobial Coatings for Implant Surfaces
*P. S. Brunetto[§], K. M. Fromm**
- 253 Palladium Complexes Comprising C(4)-bound Diimidazolydene Carbenes
*M. Heckenroth[§], M. Albrecht**
- 256 *Ab Initio* Study of Some Persistent Nitroxide Radicals
*L. Horný[§], F. Mariotti, M. Quack**

- 260 Recent Advances in Electrophilic CF_3 -Transfer Using Hypervalent Iodine(III) Reagents
I. Kietlsch^{§}, P. Eisenberger, K. Stanek, A. Togni*
- 264 Nonfouling Surface Coatings Based on Poly(2-methyl-2-oxazoline)
B. Pidhatika, J. Möller, V. Vogel, R. Konradi^{§}*
- 270 Synthesis of Bicyclo-DNA Nucleosides with Additional Functionalization in the Carbocyclic Ring
*S. Luisier[§], C. J. Leumann**
- 273 Global Analysis of the Infrared Spectrum of $^{13}\text{CH}_4$: Lines in the Region 0 to 3200 cm^{-1}
*H.-M. Niederer[§], S. Albert, S. Bauerecker, V. Boudon, J.-P. Champion, M. Quack**
- 277 Derivatives of Sodium Boranocarbonate as Novel CO-Releasing Molecules (CO-RMs)
*T. S. Pitchumony[§], B. Spingler, R. Motterlini, R. Alberto**
- 280 *www.nmrdb.org*: Resurrecting and Processing NMR Spectra On-line
*D. Banfi[§], L. Patiny**
- 282 Exploring Deprotonation Reactions on Peptides and Proteins at Atmospheric Pressure by Electro-Sonic Spray Ionization-Mass Spectrometry (ESSI-MS)
D. Touboul^{§}, M. C. Jecklin, R. Zenobi*
- 287 EXAFS Structural Determination of the $\text{Pt}_2(\text{P}_2\text{O}_5\text{H}_2)_4^{4-}$ Anion in Solution
R. M. van der Veen^{§}, C. J. Milne, V.-T. Pham, A. El Nahhas, J. A. Weinstein, J. Best, C. N. Borca, C. Bressler, M. Chergui**

NOTE

- 291 America, America!
A. Molinié, G. Bodenhausen**

SWISS SCIENCE CONCENTRATES

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

HIGHLIGHTS OF ANALYTICAL CHEMISTRY IN SWITZERLAND

- 301 Does Ski Tourism Affect Alpine Bird Fauna?
S. Jenni-Eiermann, R. Arlettaz*

SCG/SSC/SCS

- 302 Events
303 News
304 DAC – Division of Analytical Chemistry

INFORMATION

- 305 Lectures

CHIMIA-REPORT

- 308 Markt, Apparate, Chemikalien und Dienstleistungen