
CONTENTS INHALT SOMMAIRE

Organocatalysis

EDITORIAL

212 Why Organocatalysis?

A. Alexakis

213 Do We Need Asymmetric Organocatalysis?

P. I. Dalko

219 One-Pot Pyrrolidine-Catalyzed Synthesis of Benzopyrans, Benzothiopyranes, and Dihydroquinolidines
*I. Ibrahim, H. Sundén, R. Ríos, G.-L. Zhao, A. Córdova**

224 Organocatalysis in the Asymmetric Synthesis of Nitrogen-Containing Compounds: How and Why
L. Bernardi, F. Fini, M. Fochi, A. Ricci**

232 Bimorpholines as Alternative Organocatalysts in Asymmetric Aldol Reactions
*K. Kriis, M. Laars, K. Lippur, T. Kanger**

236 Enantioselective Olefin Epoxidation Using Novel Doubly Bridged Biphenyl Azepines as Catalysts
*R. Novikov, J. Vachon, J. Lacour**

240 Catalytic, Asymmetric Inverse Electron Demand Hetero Diels-Alder Reactions of *o*-Benzoquinone Derivatives and Ketene Enolates
*D. H. Paull, J. Wolfer, J. W. Grebinski, A. Weatherwax, T. Lectka**

247 (*S*)- and (*R*)-5-Pyrrolidin-2-yl-1H-tetrazoles: Enantiomeric Organocatalysts of Broad Utility in Organic Synthesis
*D. A. Longbottom, V. Franckevičius, S. V. Ley**

257 Two Highly Effective Phase-Transfer Catalysts for the Enantioselective Synthesis of α -Amino Acid Derivatives
B. Lygo, D. J. Beaumont*

263 Design of C_2 -Symmetric Chiral Phase-transfer Catalysts for Practical Asymmetric Synthesis
K. Maruoka

269 The Amino Thiourea-Catalyzed Asymmetric Nucleophilic Reactions
Y. Takemoto, H. Miyabe*

276 Peptides as Asymmetric Catalysts for Aldol Reactions
H. Wennemers

279 Super Brønsted Acid Catalysis in Organic Synthesis
H. Yamamoto, M. B. Boxer*

SWISS SCIENCE CONCENTRATES

- 282 Prepared by
M. Austeri, D. Linder, N. Mehanna, F. Torricelli, R. Novikov, J. Lacour

HIGHLIGHTS OF ANALYTICAL CHEMISTRY IN SWITZERLAND

- 283 Increase of ^{129}I in the European Environment
H. Reithmeier, M. Schwikowski, V. Lazarev, W. Rühm, H. W. Gäggeler, E. Nolte*

CONFERENCE REPORT

- 284 Modern Aspects of Catalysis
The Spring Meeting of the Swiss Chemical Society, University of Geneva, March 9th 2007
A.F. Williams

FH – HES

- 286 Versatile Approaches to Sugar Amino Acid Building Blocks as Precursors of Glycopeptides
C. Jablonski-Lorin, M. Nold, A. Bodenmüller, E. Hungerbühler**

PREISAUSSCHREIBUNG / MISE AU CONCOURS

- 289 SCG: Preisausschreibung für die Verleihung 2008 / SSC: Mise au concours pour 2008

SCG/SSC/SCS

- 290 SCG-Frühjahrsversammlung 2007: Sandmeyer-Preis 2007 geht an Ciba und die ETH Zürich
292 17. Generalversammlung der SCG vom 9. März 2007 an der Universität Genf
293 New Division Created for Polymers and Colloids
294 ILMAC – Scientific Forum 2007

INFORMATION

- 295 News
295 Lectures
297 Congresses – Conferences – Workshops
297 Awards and Honors

EuCheMS

- 298 EuCheMS Newsletter

CHIMIA-REPORT

- 302 Markt, Apparate, Chemikalien und Dienstleistungen