**Sustainable Carbene Transfer Reactions with Iron and Light**

C. Empel  
R. M. Koenigs*  
RWTH Aachen University, Germany

**Synpacts**

**β-Selective One-Pot Synthesis of Acyl-C-Glycosides via Corey–Seebach Umpolung Reaction**

G. J. Boehlich  
N. Schützenmeister*  
Universität Hamburg, Germany

**Synpacts**
Recent Progress in Equilibrium Acidity Studies of Organocatalysts

Z. Li
X. Li*
J.-P. Cheng*
Tsinghua University, P. R. of China
Nankai University, P. R. of China

DOI: 10.1055/s-0037-1611890

Cluster Cover Page

Cluster Preface: Metathesis Reactions beyond Olefins

B. Morandi
ETH Zurich, Switzerland
Development of a Hydrazine-Catalyzed Carbonyl-Olefin Metathesis Reaction

T. H. Lambert*
Columbia University, USA
Cornell University, USA

Iodonium-Catalyzed Carbonyl–Olefin Metathesis Reactions

G. Oss
T. V. Nguyen*
University of New South Wales, Australia

Acetal Metathesis: Mechanistic Insight

A. G. Pemba
S. A. Miller*
University of Florida, USA
**Transfer Hydration of Dinitriles to Dicarboxamides**

_A. Naraoka_

_H. Naka*

Nagoya University, Japan

\[
\text{CN} + 2 \text{NH}_2\text{O} \xrightarrow{\text{Pd(CH}_3\text{CN})_4\text{BF}_4\text{Cl}_2, \text{AcOH, reduced pressure}} \text{NH}_2\text{O} + 2 \text{CH}_3\text{CN}
\]

17 examples

\[ n = 1-6; \ m = 0, 1 \]

\[ R = \text{H}, \text{CH}_3, \text{OH}, \text{Cl}, \text{CO}_2\text{C}_2\text{H}_5 \]

**Anion Metathesis in Facile Preparation of Olefin Metathesis Catalysts Bearing a Quaternary Ammonium Chloride Tag**

_M. Patrzalek_

_J. Piątkowski_

_A. Kajetanowicz*

_K. Grela*

University of Warsaw, Poland

\[
\begin{align*}
\text{RuCl}^+ & - \text{Cl}^- & + \text{AgCl} \\
\text{DCM, RT} & & + \text{Ag wastes (AgI/AgCl)}
\end{align*}
\]

5 gram scale

valuable catalyst

easy to produce but ill defined


_M. Bothe_

_A. G. Orrillo*

_R. L. E. Furlan*

_M. von Delius*

University of Ulm, Germany

Universidad Nacional de Rosario-
CONICET, Argentina

\[
\text{Trithioorthoester exchange}
\]

\[
\text{Trithioorthoester metathesis}
\]

up to 8 compounds
Thiolate-Initiated Synthesis of Dibenzothiophenes from 2,2′-Bis(methylthio)-1,1′-Biaryl Derivatives through Cleavage of Two Carbon–Sulfur Bonds

Y. Masuya
Y. Kawashima
T. Kodama
N. Chatani*
M. Tobisu*
Osaka University, Japan

Efficient Halogenation of 2-Aminopyrazine

E. Lizano
J. Grima
M. D. Pujol*
University of Barcelona, Spain

Discovery of Novel Approach for Regioselective Synthesis of Thioxotriaza-Spiro Derivatives via Oxalic Acid

V. K. Gopinatha
H. A. Swarup
S. C. Raghavan
K. Mantelingu*
K. S. Rangappa*
University of Mysore, India
Probing the Reactivity of 2,4-Dichlorofuro[3,4-d]pyrimidin-7-one: A Versatile and Underexploited Scaffold to Generate Substituted or Fused Pyrimidine Derivatives

P. Vincetti
G. Costantino
M. G. Martina
M. Radi*
Università degli Studi di Parma, Italy

[Diagram of 2,4-Dichlorofuro[3,4-d]pyrimidin-7-one and its derivatives]

DOI: 10.1055/s-0039-1690205

This document was downloaded for personal use only. Unauthorized distribution is strictly prohibited.