Organocerium: A New Contender for Halogen–Metal Exchanges

A. Music
D. Didier*
Ludwig-Maximilians-Universität, Germany

Nickel-Catalyzed Migratory Arylboration of Nonactivated Alkenes

W. Wang
C. Ding
G. Yin*
Wuhan University, P. R. of China
Nitrosoalkenes: Underappreciated Reactive Intermediates for Formation of Carbon–Carbon Bonds

1) KHMDS, THF
   –78 °C

2) Cl
   then TBAF
   –78 to 0 °C

The Fascinating World of Phosphanylphosphonates: From Acetylenic Phosphaalkenes to Reductive Aldehyde Couplings

Synthesis of a Contrapositionally Substituted Cyclohexa-meta-phenylene: A Ready-to-Use Precursor for Cyclohexa-meta-phenylene-Based Materials
Ruthenium-Catalyzed, Microwave-Mediated [2+2+2] Cycloaddition: A Useful Combination for the Synthesis of 2-Aminopyridines

C. Tran
M. Haddad
V. Ratovelomanana-Vidal*
PSL Research University, France

Selective Protection of Secondary Alcohols by Using Formic Acid as a Mild and Efficient Deprotection Reagent for Primary tert-Butyldimethylsilyl Ethers

K. Sapkota
F. Huang*
University of Southern Mississippi, USA

Acid-Catalysed Rearrangement of the Sandfly Pheromone Sobralene to Verticillenes, Consolidating its Relationship inter alia to the Taxanes and Phomactins

M. J. Palframan*
K. K. Bandi
J. G. C. Hamilton
G. Pattenden*
The University of Nottingham, UK
**Acid-Catalyzed Synthesis of Aryl[4,5]isothiazoles through a Sulfenic Acid Pathway**

H. Yuan
Z. Sun*
Shanghai University of Engineering Science, P. R. of China

**Iron-Catalyzed Radical Methylation of Activated Alkenes with tert-Butanol as the Methyl Source**

Z. Xu*
R. Jia
Z. Ma
S. Cao
L. Shen*
H. Ji*
Shandong University of Technology, P. R. of China

**Carboxylative Cyclization of Propargylic Amines with Carbon Dioxide Catalyzed by Poly(amidoamine)-Dendrimer-Encapsulated Gold Nanoparticles**

H. Matsuo
A. Fujii
J.-C. Choi
T. Fujitani
K.-I. Fujita*
National Institute of Advanced Industrial Science and Technology (AIST), Japan
Platinum-on-Carbon-Catalyzed Aqueous Oxidative Lactonization of Diols by Using Molecular Oxygen

R. Takakura
K. Ban
H. Sajiki*
Y. Sawama*
Gifu Pharmaceutical University, Japan

10% Pt/C, O₂ (1 atm)
H₂O, 80 °C, 12–24 h

- mild & neutral conditions
- environmentally friendly solvent
- 13 examples, up to 88% yield

Iron-Catalyzed C–H Sulfonylmethylation of Indoles in Water–PEG400

S. Lu
Y.-S. Zhu
K.-X. Yan
T.-W. Cui
X.-Q. Hao*
M.-P. Song
Zhengzhou University, P. R. of China

FeSO₄·7H₂O (15 mol%) 110 °C, Ar, 24 h
H₂O/PEG400 = 3:2

R¹ = H, Me, pyrimidyl
R² = Me, Ph
R³ = H, OBn, OMe, Me, F, Cl, Br, COOMe, NO₂
R⁴ = H, OMe, Me, F, Cl, CF₃

36 examples
up to 96% yields