Ground State Cross-Coupling of Haloarenes with Arenes Initiated by Organic Electron Donors, Formed in situ: An Overview

G. Nocera
J. A. Murphy*
University of Strathclyde, UK

Azaheterocyclic Derivatives of ortho-Carborane: Synthetic Strategies and Application Opportunities

L. A. Smyshliaeva
M. V. Varaksin
V. N. Charushin
O. N. Chupakhin*
Ural Federal University, Russian Federation
Synthesis 2020, 52, 353–364
DOI: 10.1055/s-0039-1691529
L. De Luca
A. Mezzetti*
ETH Zürich, Switzerland

Catalytic Strategies to Enantiopure Benzoins: Past and Future

Short Review

353

Synthesis 2020, 52, 365–377
DOI: 10.1055/s-0039-1690769
R. A. Daley
J. J. Topczewski*
University of Minnesota Twin Cities, USA

Aryl-Decarboxylation Reactions Catalyzed by Palladium: Scope and Mechanism

Short Review

365

Synthesis 2020, 52, 378–392
DOI: 10.1055/s-0039-1690036
H. J. Jeong
S. Chae
K. Jeong
S. K. Namgoong*
Seoul Women’s University, South Korea

Diverse One-Pot Electrophilic Trapping Reactions of 2-Quinoyl-zincates with Acyl Chlorides and Allyl Iodide

Feature

378
Leaving Group Ability in Nucleophilic Aromatic Amination by Sodium Hydride–Lithium Iodide Composite

J. H. Pang
D. Y. Ong
K. Watanabe
R. Takita*
S. Chiba*
Nanyang Technological University, Singapore
The University of Tokyo, Japan

Stoichiometric and Catalytic (η⁵-Cyclopentadienyl)cobalt-Mediated Cycloisomerizations of Ene-Yne-Ene Type Allyl Propargyl Ethers

C.-A. Chang
S. Gürtzgen
E. P. Johnson
K. P. C. Vollhardt*
University of California at Berkeley, USA

Practical Synthesis of Fludarabine and Nelarabine

C. Shen
J. Liu
W. Ouyang
H. Ding*
J. Bai
Q. Xiao*
Jiangxi Science & Technology Normal University, P. R. of China
Synthesis of Spirofluorenyl-1,2,4-oxadiazinan-5-ones through Metal-Free [3+3] Cycloaddition of N-Vinyl Fluorenone Nitrones with Aza-oxyallyl Cations

Y. Luo  
C.-H. Chen  
J.-Q. Zhang  
C. Liang  
D.-L. Mo*  
Guangxi Normal University, P. R. of China

SYNTHESIS 2020, 52, 424–432
DOI: 10.1055/s-0039-1691490

Synthesis of Nonsymmetric Iminophosphonamines by Kirsanov Condensation

T. A. Peganova  
A. M. Kalsin*  
A. N. Nesmeyanov Institute of Organoelement Compounds, Russian Federation

SYNTHESIS 2020, 52, 433–440
DOI: 10.1055/s-0039-1690242

Facile Access to 1,4-Disubstituted Pyrrolo[1,2-a]pyrazines from α-Aminoacetonitriles

A. Karmakar  
S. Ramalingam  
M. Basha  
G. K. Indasi  
M. Belema  
N. A. Meanwell  
T. G. M. Dhar  
R. Rampulla  
A. Mathur  
A. Gupta  
A. K. Gupta*  
Biocon Bristol Myers Squibb Research Centre, India

SYNTHESIS 2020, 52, 441–449
DOI: 10.1055/s-0039-1690699

This document was downloaded for personal use only. Unauthorized distribution is strictly prohibited.
Synthesis of N-(Hetero)arylconvolvine Derivatives through a Palladium-Catalyzed Buchwald–Hartwig Cross-Coupling

M. Hassine
H. B. Jannet*
N. Ghermani
M. Alami
S. Messaoudi*
University Paris-Saclay, France
University of Monastir, Tunisia

First Pd-catalyzed C(sp2)–N arylation of tropanone
Mild and operationally simple reaction conditions
Broad substrate scope and high FG tolerance
Antiproliferative activity

Iodine-Mediated Oxidative Cyclization of 2-(Pyridin-2-yl)acetate Derivatives with Alkynes: Condition-Controlled Selective Synthesis of Multisubstituted Indolizines

L. He
Y. Yang*
X. Liu
G. Liang
C. Li
D. Wang
W. Pan*
Guizhou Medical University,
P. R. of China
The Key Laboratory of Chemistry for Natural Products of Guizhou Province and Chinese Academy of Sciences, P. R. of China

Metal-Free Oxidative Coupling of Tetrahydroisoquinolines and 3-Fluorooxindoles on Water

J. Ji
L.-Y. Chen*
Z.-B. Qiu
X. Ren
Y. Li*
Shanghai University of Engineering Science, P. R. of China