

## Synthesis

*Synthesis* 2018, 50, 3549–3570  
DOI: 10.1055/s-0037-1610193

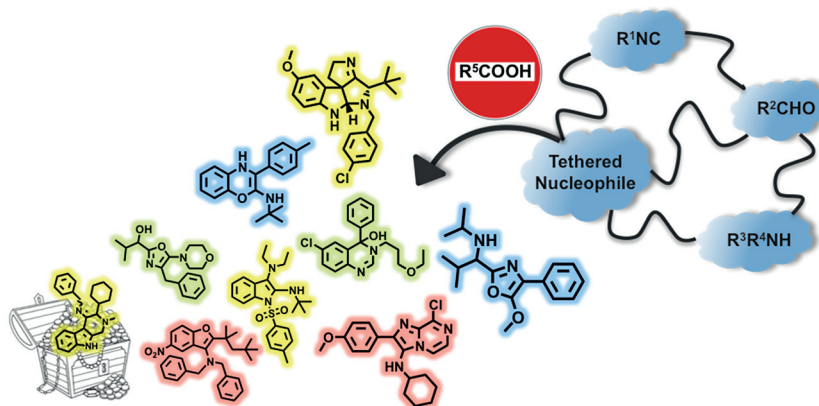
M. Giustiniano\*  
L. Moni\*  
L. Sangaletti  
S. Pelliccia  
A. Basso  
E. Novellino  
G. C. Tron\*

Università degli Studi di Napoli  
"Federico II", Italy  
Università degli Studi di Genova,  
Italy  
Università degli Studi del  
Piemonte Orientale "A. Avogadro", Italy

## Interrupted Ugi and Passerini Reactions: An Underexplored Treasure Island

Review

3549



## Synthesis

*Synthesis* 2018, 50, 3571–3588  
DOI: 10.1055/s-0036-1591600

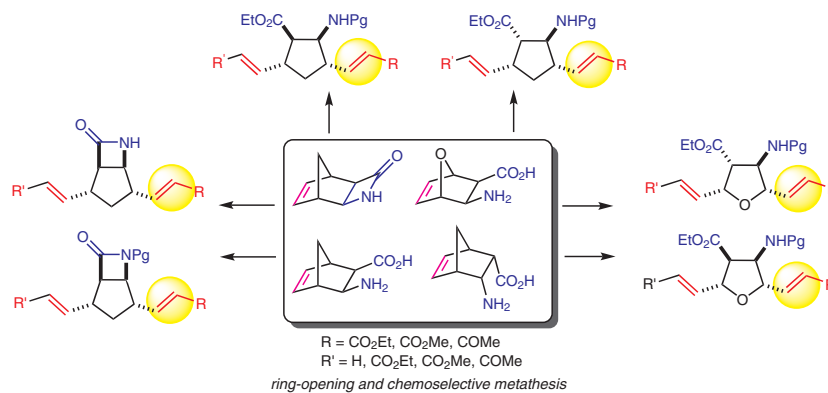
L. Kiss\*  
M. Kardos  
C. Vass  
F. Fülöp

University of Szeged, Hungary

## Application of Metathesis Reactions in the Synthesis and Transformations of Functionalized $\beta$ -Amino Acid Derivatives

Review

3571



## Synthesis

*Synthesis* **2018**, *50*, 3589–3602  
DOI: 10.1055/s-0037-1610135

**H. Guyon**  
**A. Boussonnière\***  
**A.-S. Castanet\***

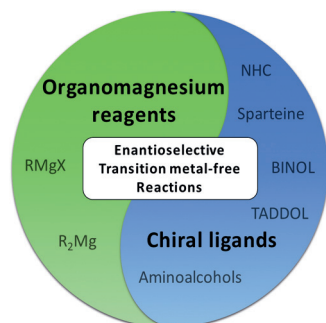
Le Mans Université, France

Published as part of the Special Section on the *Main Group Metal Chemistry Symposium*

## Transition-Metal-Free Enantioselective Reactions of Organomagnesium Reagents Mediated by Chiral Ligands

Short Review

3589



## Synthesis

*Synthesis* **2018**, *50*, 3603–3614  
DOI: 10.1055/s-0037-1610162

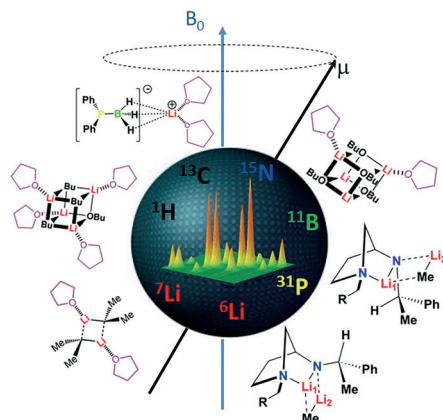
**H. Oulyadi\***  
Université de Rouen, France

Published as part of the Special Section on the *Main Group Metal Chemistry Symposium*

## Recent Advances in NMR: Aggregation, Solvation, and Dynamics of Selected Organolithium Compounds

Short Review

3603



## Synthesis

*Synthesis* **2018**, *50*, 3615–3633  
DOI: 10.1055/s-0036-1591953

**N. M. Brikci-Nigassa**  
**G. Bentabed-Ababsa**  
**W. Erb\***

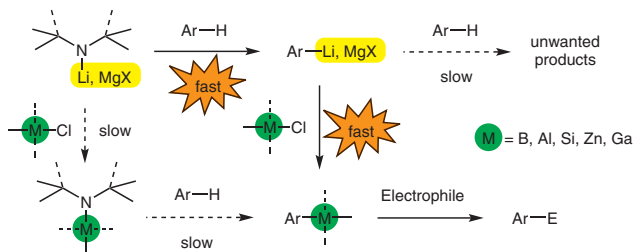
**F. Mongin\***  
Univ Rennes, France

Published as part of the Special Section on the *Main Group Metal Chemistry Symposium*

## In Situ ‘Trans-Metal Trapping’: An Efficient Way to Extend the Scope of Aromatic Deprotometalation

Short Review

3615



## Synthesis

*Synthesis* **2018**, *50*, 3634–3652  
DOI: 10.1055/s-0036-1591954

**K. Smith\***  
**M. B. Alshammari**  
**G. A. El-Hiti\***

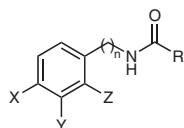
Cardiff University, UK  
King Saud University,  
Saudi Arabia

Published as part of the Special  
Section on the *Main Group Metal  
Chemistry Symposium*

## Unravelling Factors Affecting Directed Lithiation of Acylaminoaromatics

## Short Review

3634



R = NMe<sub>2</sub>, Bu<sup>t</sup> or OBu<sup>t</sup>  
n = 0–3  
X, Y, Z = H, Me, OMe, Cl, F or CF<sub>3</sub>

*Where will lithiation occur predominantly?*

## Synthesis

*Synthesis* **2018**, *50*, 3653–3661  
DOI: 10.1055/s-0037-1610164

**L. Plasseraud**

Université de Bourgogne  
Franche-Comté, France

Published as part of the Special  
Section on the *Main Group Metal  
Chemistry Symposium*

## Organotin(IV) Complexes Containing Sn–O–Se Moieties: A Structural Inventory

## Short Review

3653



## Synthesis

*Synthesis* **2018**, *50*, 3662–3670  
DOI: 10.1055/s-0037-1610088

**S. Dagorne\***

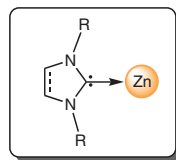
Université de Strasbourg, France

Published as part of the Special  
Section on the *Main Group Metal  
Chemistry Symposium*

Recent Developments on *N*-Heterocyclic Carbene Supported Zinc Complexes: Synthesis and Use in Catalysis

## Short Review

3662



*NHC-Zn species*

- *Cheap, low-toxicity metal source*
- *Ready synthesis*
- *Steric/electronic tunability*
- *Robust species for various catalyses*

## Synthesis

## Persistent P-Stabilized Boryl Radicals with Bulky Substituents at Boron

## Feature

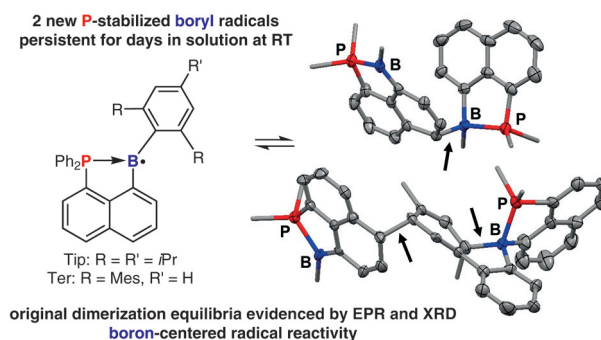
3671

*Synthesis* 2018, 50, 3671–3678  
DOI: 10.1055/s-0037-1610151

A. J. Rosenthal  
S. Mallet-Ladeira  
G. Bouhadir  
D. Bourissou\*

Université Paul Sabatier, France

Published as part of the Special Section on the Main Group Metal Chemistry Symposium



## Synthesis

## Synthesis and Electrochemical Study of 1,1'-Thienyl-Substituted Fused Bis-germatranes with a Core 5c-6e Hyperbond

## Feature

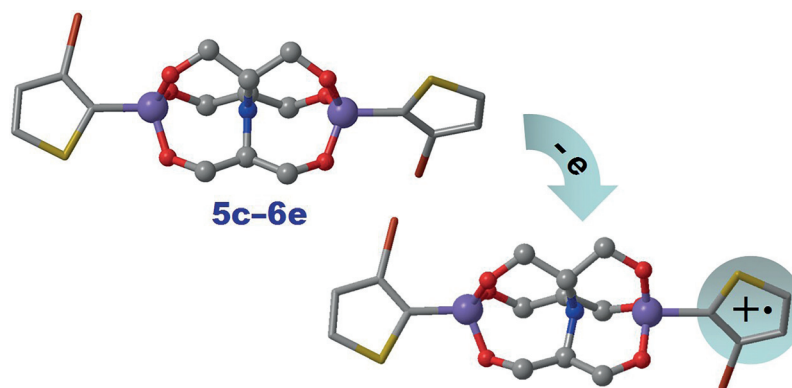
3679

*Synthesis* 2018, 50, 3679–3685  
DOI: 10.1055/s-0037-1610180

V. Romanovs\*  
J. Spura  
V. Jouikov\*

Latvian Institute of Organic Synthesis, Latvia  
University of Rennes I, France

Published as part of the Special Section on the Main Group Metal Chemistry Symposium



## Synthesis

Synthetic Versatility of  $\beta$ -Alkoxyvinyl Trichloromethyl Ketones for Obtaining [1,2,4]Triazolo[1,5-*a*]pyrimidines

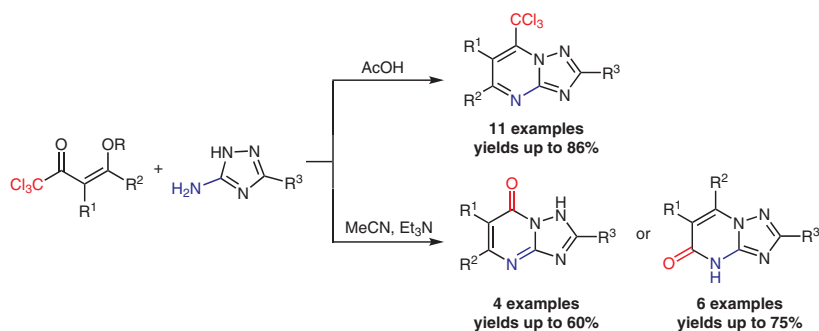
## Paper

3686

*Synthesis* 2018, 50, 3686–3695  
DOI: 10.1055/s-0037-1610191

L. A. Souza  
J. M. Santos  
M. Mittersteiner  
V. P. Andrade  
M. M. Lobo  
F. B. Santos  
A. J. Bortoluzzi  
H. G. Bonacorso  
M. A. P. Martins  
N. Zanatta\*

Universidade Federal de Santa Maria, Brazil



## Synthesis

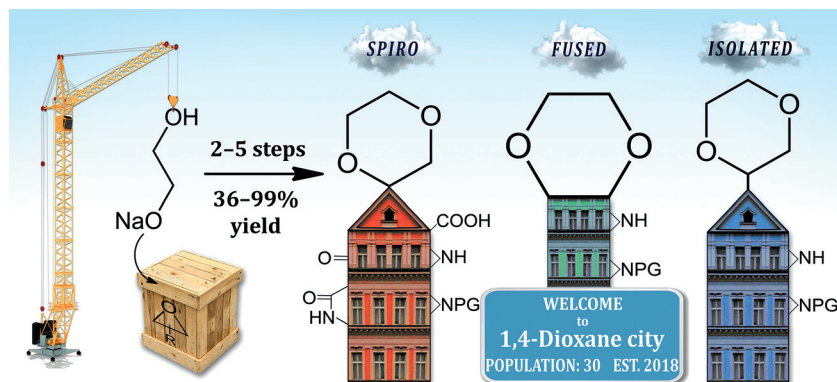
Synthesis 2018, 50, 3696–3707  
DOI: 10.1055/s-0037-1610195

A. V. Bondarenko  
A. A. Tolmachev  
B. V. Vashchenko  
O. O. Grygorenko\*  
Enamine Ltd., Ukraine  
University of Kyiv, Ukraine

## Synthesis of Functionalized 1,4-Dioxanes with an Additional (Hetero)Aliphatic Ring

Paper

3696



## Synthesis

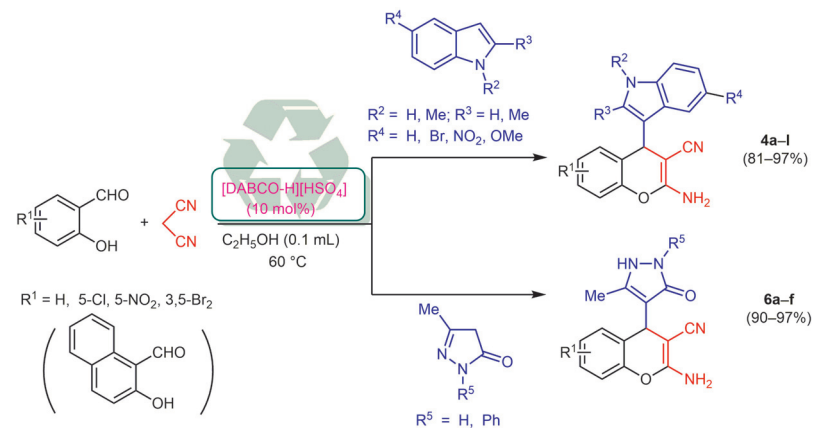
Synthesis 2018, 50, 3708–3714  
DOI: 10.1055/s-0037-1610123

C.-B. Li  
Y.-W. Li  
D.-Z. Xu\*  
Nankai University,  
P. R. of China

## An Efficient and Ecofriendly Three-Component Reaction for the Rapid Synthesis of 2-Amino-4H-chromenes Catalyzed by a DABCO-Based Ionic Liquid

Paper

3708



## Synthesis

Synthesis 2018, 50, 3715–3722  
DOI: 10.1055/s-0037-1610438

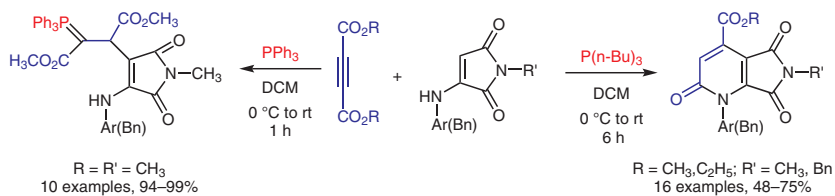
C.-Z. Liu  
Y. Han\*  
Y.-Y. Zhang  
J. Sun  
C.-G. Yan\*

Yangzhou University,  
P. R. of China

## Nucleophilic Phosphine-Promoted Domino Reaction of Dialkyl Acetylenedicarboxylates and 3-Arylamino-1-methyl-1H-pyrrole-2,5-diones

Paper

3715



## Synthesis

*Synthesis* 2018, 50, 3723–3730  
DOI: 10.1055/s-0037-1610439

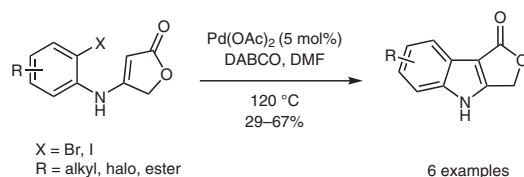
S. Jana  
M. Bandyopadhyay  
D. Mal\*

Indian Institute of Technology  
Kharagpur

Regioselective Synthesis of Dihydro-1*H*-furo[*b*]indol-1-ones and Their Carbanionic Reactivity

Paper

3723



## Synthesis

*Synthesis* 2018, 50, 3731–3737  
DOI: 10.1055/s-0037-1610443

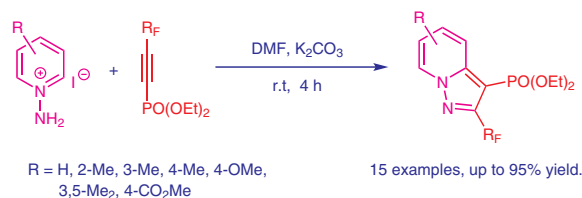
Q. Huang  
D. He  
J. Han  
J. Chen  
W. He  
H. Deng  
M. Shao  
H. Zhang\*  
W. Cao\*

Shanghai University,  
P. R. of China  
Shanghai Institute of Organic  
Chemistry, P. R. of China

[3+2] Cycloaddition of *N*-Aminopyridines and Perfluoroalkynylphosphonates: Facile Synthesis of Perfluoroalkylated Pyrazolo-[1,5-*a*]pyridines Containing a Phosphonate Moiety

Paper

3731



## Synthesis

*Synthesis* 2018, 50, 3738–3748  
DOI: 10.1055/s-0037-1610415

Y. E. Sabutskii  
V. A. Denisenko  
S. G. Polonik\*

G. B. Elyakov Pacific Institute of  
Bioorganic Chemistry FEB RAS,  
Russian Federation

The Acid-Catalyzed 2-*O*-Alkylation of Substituted 2-Hydroxy-1,4-naphthoquinones by Alcohols: Versatile Preparative Synthesis of Spinochrome D and Its 6-Alkoxy Derivatives

Paper

3738

