

## Synthesis

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

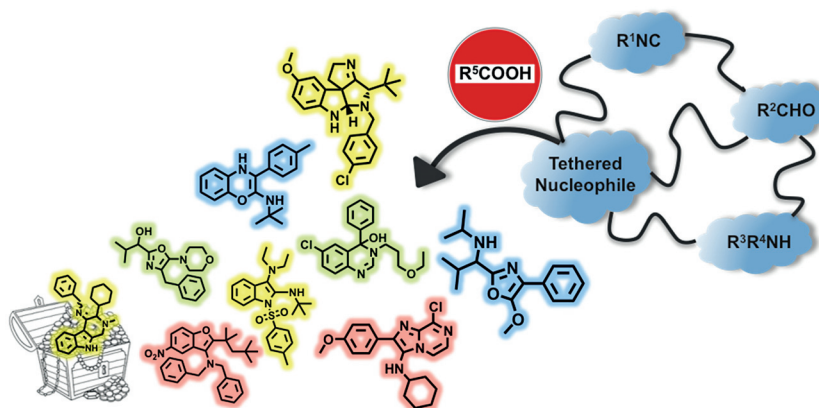
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L. Moni\*  
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Università degli Studi di Napoli  
"Federico II", Italy  
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Italy  
Università degli Studi del  
Piemonte Orientale "A. Avogadro", Italy

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

Review

3549



## Synthesis

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

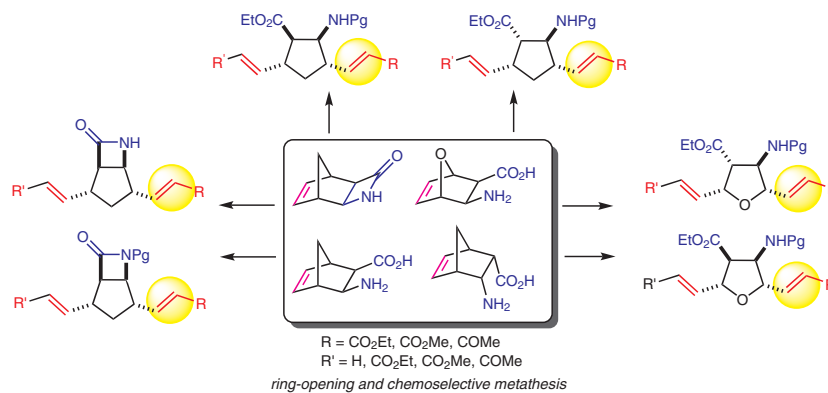
L. Kiss\*  
M. Kardos  
C. Vass  
F. Fülöp

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\***

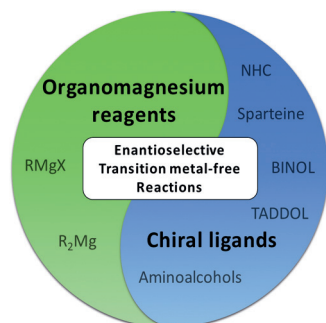
Le Mans Université, France

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## 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

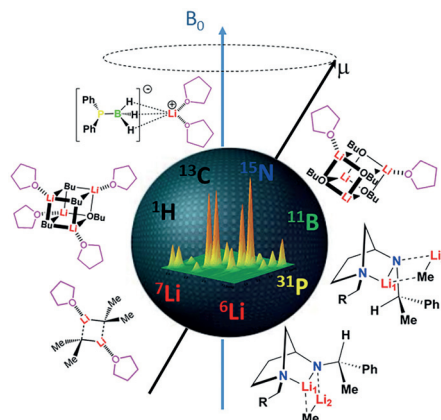
**H. Oulyadi\***  
Université de Rouen, France

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**  
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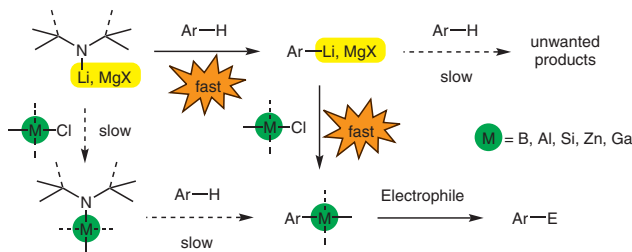
**F. Mongin\***  
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Published as part of the Special Section on the *Main Group Metal Chemistry Symposium*

## 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

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

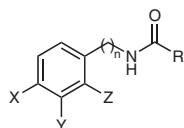
Cardiff University, UK  
King Saud University,  
Saudi Arabia

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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

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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\***

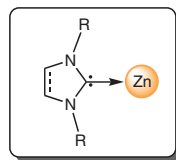
Université de Strasbourg, France

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

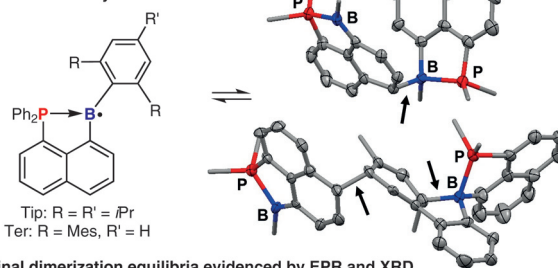
*Synthesis* 2018, 50, 3671–3678  
DOI: 10.1055/s-0037-1610151

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

2 new P-stabilized boryl radicals persistent for days in solution at RT



original dimerization equilibria evidenced by EPR and XRD  
boron-centered radical reactivity

## Synthesis

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

## Feature

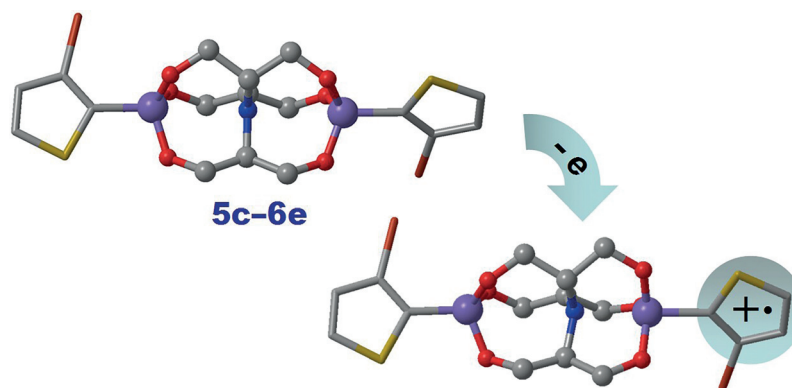
3679

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

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## Synthesis

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

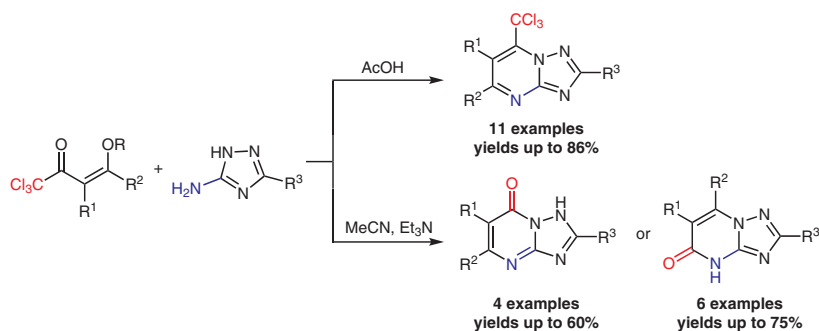
## Paper

3686

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

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## Synthesis

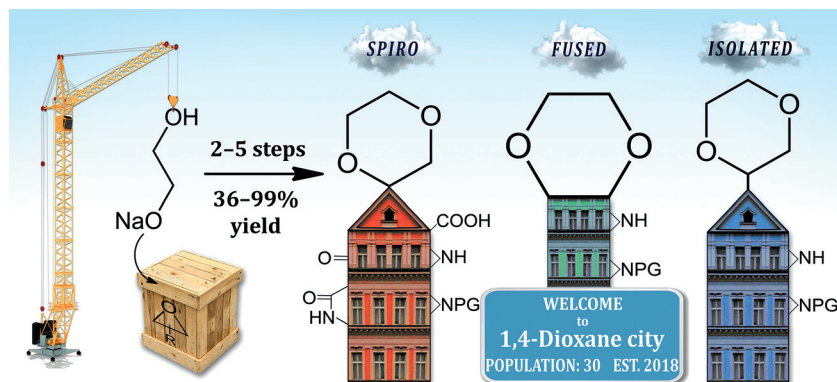
Synthesis 2018, 50, 3696–3707  
DOI: 10.1055/s-0037-1610195

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

Paper

3696



## Synthesis

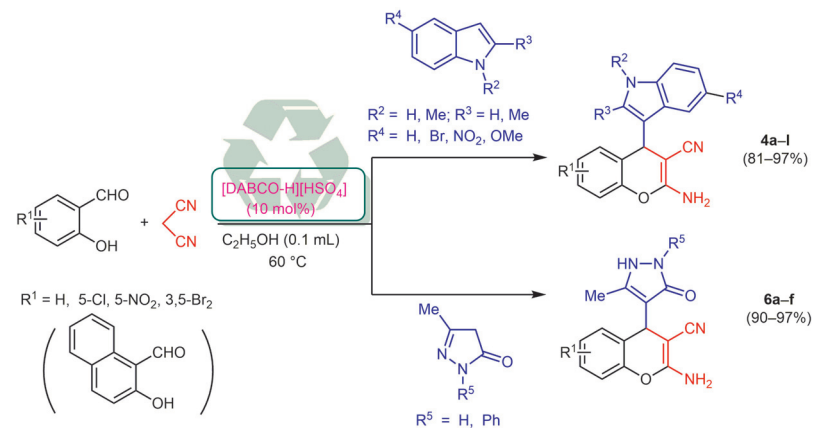
Synthesis 2018, 50, 3708–3714  
DOI: 10.1055/s-0037-1610123

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## 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

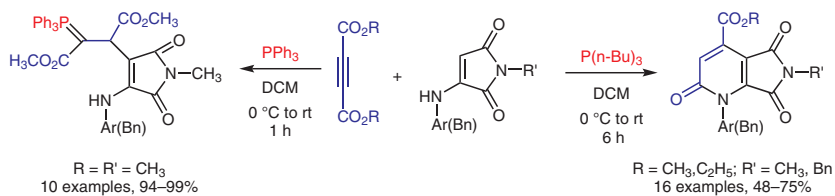
C.-Z. Liu  
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Y.-Y. Zhang  
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## Nucleophilic Phosphine-Promoted Domino Reaction of Dialkyl Acetylenedicarboxylates and 3-Arylamino-1-methyl-1H-pyrrole-2,5-diones

Paper

3715



## Synthesis

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

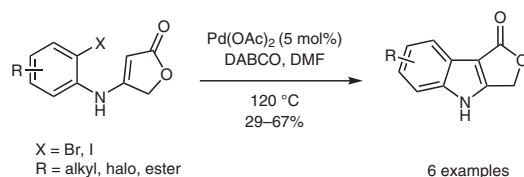
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M. Bandyopadhyay  
D. Mal\*

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

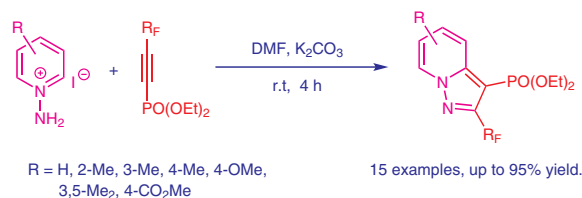
Q. Huang  
D. He  
J. Han  
J. Chen  
W. He  
H. Deng  
M. Shao  
H. Zhang\*  
W. Cao\*

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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

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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

