

## Synthesis

*Synthesis* 2018, 50, 4343–4350  
DOI: 10.1055/s-0037-1610108

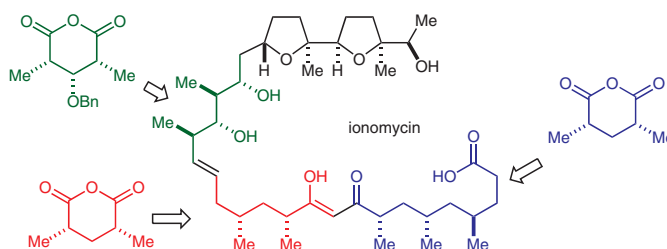
**K. M. Oberg**  
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**M. J. Cook**  
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Colorado State University, USA  
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## The Catalytic Alkylative Desymmetrization of Anhydrides in a Formal Synthesis of Ionamycin

Paper

4343



## Synthesis

*Synthesis* 2018, 50, 4351–4358  
DOI: 10.1055/s-0037-1609754

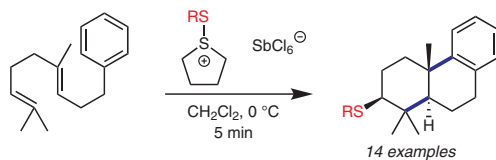
**C. J. F. Cole**  
**H. M. Chi**  
**K. C. DeBacker**  
**S. A. Snyder\***

The University of Chicago, USA

## Synthesis of Enhanced, Isolable Disulfanium Salts and their Application to Thiiranium-Promoted Polyene Cyclizations

Paper

4351



- Isolable and readily variable disulfanium salts where R = alkyl and aryl
- Generally higher yielding than other electrophilic sulfur transfer reagents for polyene cyclizations with yields up to 64%

## Synthesis

## Short Enantioselective Formal Synthesis of (-)-Platencin

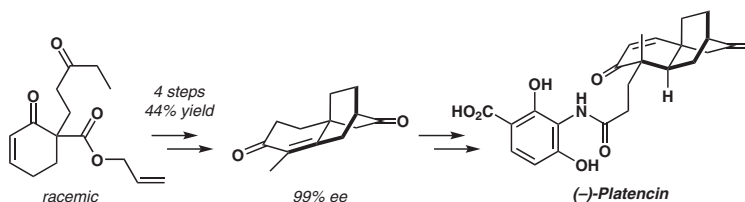
Paper

4359

*Synthesis* **2018**, *50*, 4359–4367  
DOI: 10.1055/s-0037-1610437

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## Synthesis

## Heterogeneous Iron-Catalyzed Hydrogenation of Nitroarenes under Water-Gas Shift Reaction Conditions

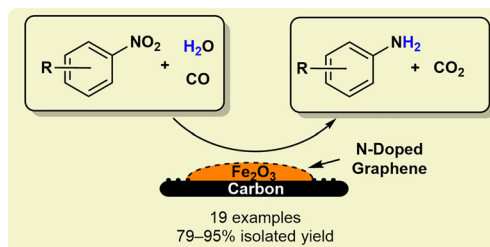
Paper

4369

*Synthesis* **2018**, *50*, 4369–4376  
DOI: 10.1055/s-0037-1610196

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## Synthesis

Effect of  $\gamma$ -Substituted Proline Derivatives on the Performance of the Peptidic Catalyst H-dPro-Pro-Glu-NH<sub>2</sub>

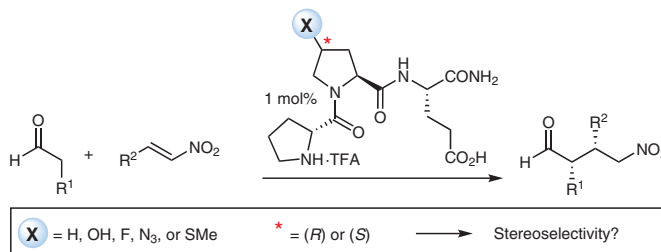
Paper

4377

*Synthesis* **2018**, *50*, 4377–4382  
DOI: 10.1055/s-0037-1609547

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## Synthesis

*Synthesis* **2018**, *50*, 4383–4394  
DOI: 10.1055/s-0037-1610215

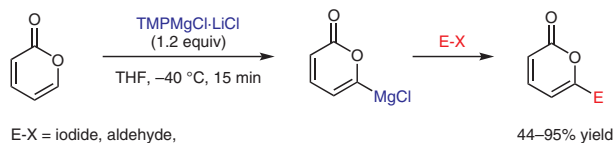
D. S. Ziegler  
L. Klier  
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## Directed Zincation or Magnesiumation of 2- and 4-Pyrones and Their Derivatives

Paper

4383



## Synthesis

*Synthesis* **2018**, *50*, 4395–4412  
DOI: 10.1055/s-0037-1611053

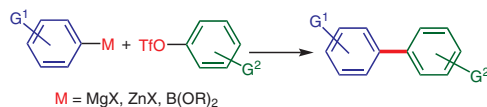
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Directed *ortho* Metalation (DoM)-Linked Corriu–Kumada, Negishi, and Suzuki–Miyaura Cross-Coupling Protocols: A Comparative Study

Paper

4395



## Synthesis

*Synthesis* **2018**, *50*, 4413–4428  
DOI: 10.1055/s-0037-1610273

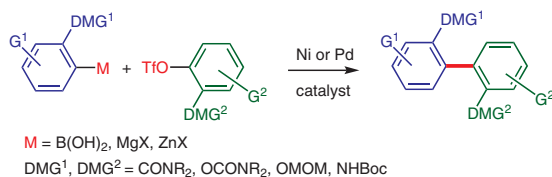
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The Directed *ortho* Metalation (DoM)–Cross-Coupling Connection: Synthesis of Polyfunctional Biaryls

Paper

4413



## Synthesis

## Modular Dihydrobenzoazaphosphole Ligands for Suzuki–Miyaura Cross-Coupling

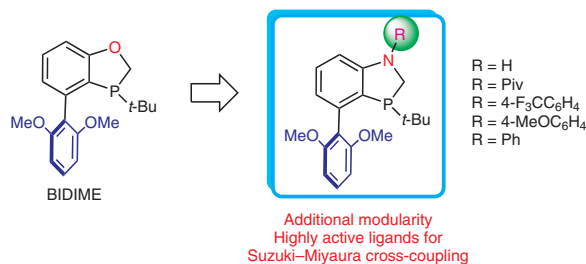
Paper

4429

*Synthesis* 2018, 50, 4429–4434  
DOI: 10.1055/s-0037-1610158

Y. Zhang\*  
K. S. Lao  
J. D. Sieber  
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H. Lee  
N. Haddad  
Z. S. Han  
N. K. Yee  
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## Synthesis

## Enantioselective Arylation of Oxindoles Using Modified BI-DIME Ligands

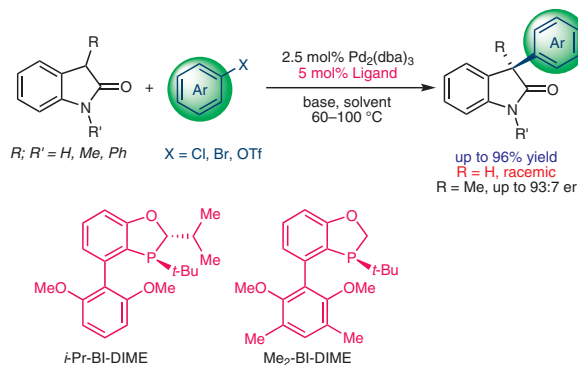
Paper

4435

*Synthesis* 2018, 50, 4435–4443  
DOI: 10.1055/s-0036-1591590

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## Synthesis

## Asymmetric Synthesis of Six-Membered Cyclic Sulfamides via Palladium-Catalyzed Alkene Carboamination Reactions

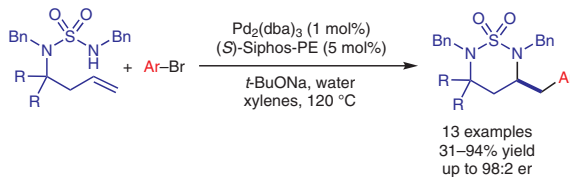
Paper

4444

*Synthesis* 2018, 50, 4444–4452  
DOI: 10.1055/s-0036-1591574

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## Synthesis

Synthesis 2018, 50, 4453–4461  
DOI: 10.1055/s-0037-1610140

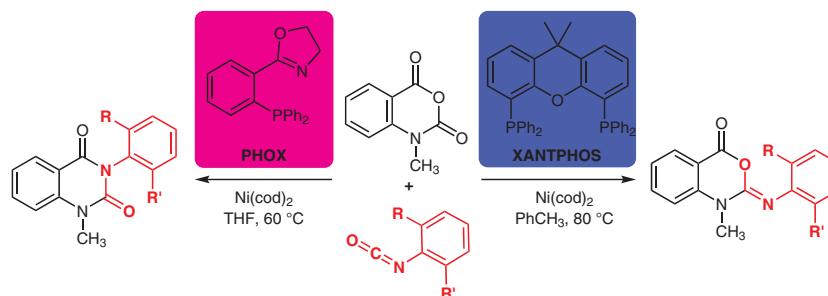
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## A Divergent Nickel-Catalyzed Synthesis of Quinazolinones and Benzoxazinone Imines

Paper

4453



## Synthesis

Synthesis 2018, 50, 4462–4470  
DOI: 10.1055/s-0037-1609858

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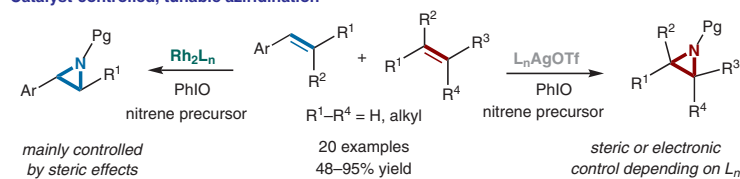
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## Site-Selective, Catalyst-Controlled Alkene Aziridination

Paper

4462

Catalyst-controlled, tunable aziridination



## Synthesis

Synthesis 2018, 50, 4471–4475  
DOI: 10.1055/s-0037-1610087

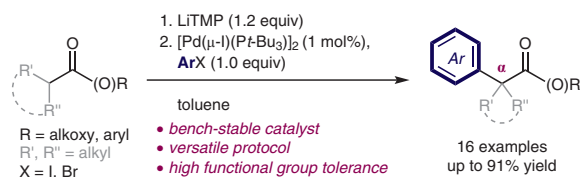
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## α-Arylation of Esters and Ketones Enabled by a Bench-Stable Pd(I) Dimer Catalyst

Paper

4471



Synthesis

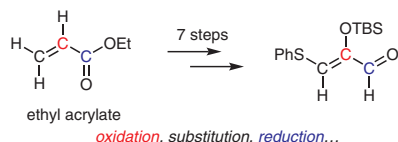
Synthesis 2018, 50, 4476–4482  
DOI: 10.1055/s-0036-1591597

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Synthesis of (Z)-2-[(*tert*-Butyldimethylsilyl)oxy]-3-(phenylthio)-acrylaldehyde

Paper

4476



Synthesis

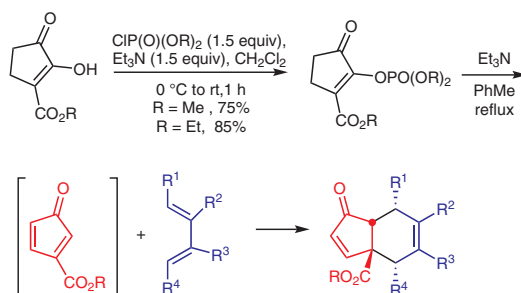
Synthesis 2018, 50, 4483–4489  
DOI: 10.1055/s-0037-1610184

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Derivatives of Alkyl 2-Hydroxy-3-oxocyclopent-1-enecarboxylates and Intermolecular [4+2] Cycloadditions of Cyclopentadienones Prepared Therefrom

Paper

4483



Synthesis

Synthesis 2018, 50, 4490–4500  
DOI: 10.1055/s-0037-1610199

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Unconventional Rose Odorants: Serendipitous Discovery and Unique Olfactory Properties of 2,2-Bis(prenyl)-3-oxobutyronitrile and Its Derivatives

Paper

4490

