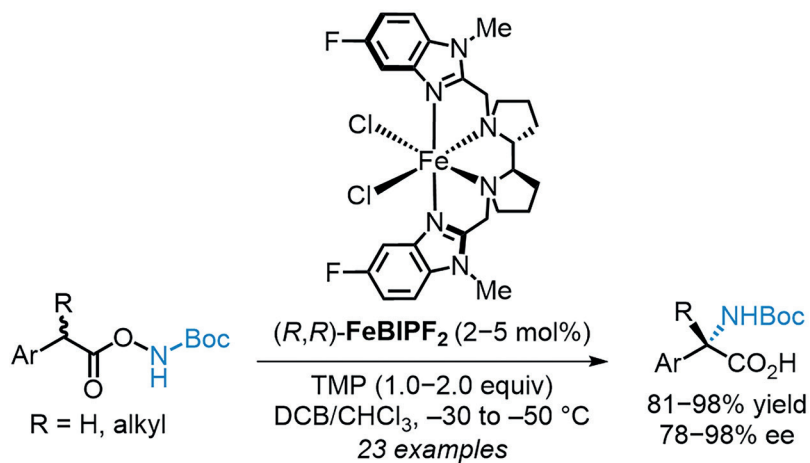


# Synthesis

Reviews and Full Papers in Chemical Synthesis

September 3, 2024 • Vol. 56, 2595–2746



$\alpha$ -Amino Acid Synthesis by 1,3-Nitrogen Migration: An Update

K. Yin, E. Meggers

17

## Synthesis

## Copper-Catalyzed Carbonylation Reactions: A Personal Account

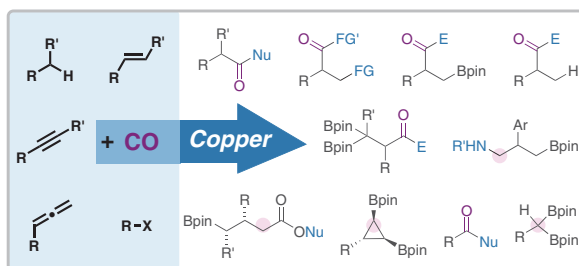
## Review

*Synthesis* 2024, 56, 2595–2613  
DOI: 10.1055/s-0042-1751542

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X.-F. Wu\*

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an der Universität Rostock,  
Germany

2595



## Synthesis

## Stereospecific Palladium-Catalyzed Cross-Coupling of Alkylboron Compounds: A Short Account

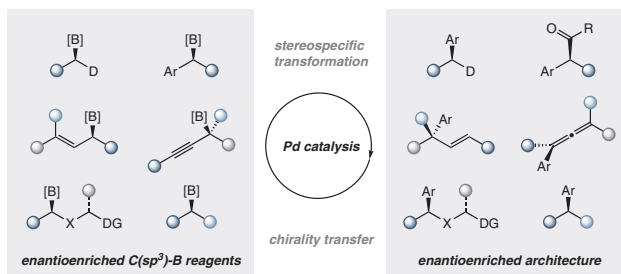
## Short Review

*Synthesis* 2024, 56, 2614–2626  
DOI: 10.1055/s-0042-1751575

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2614



## Synthesis

Synthesis 2024, 56, 2627–2637  
DOI: 10.1055/a-2298-2106

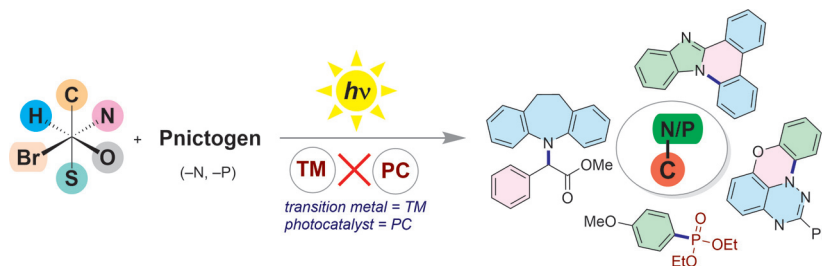
R. Bhanja  
S. K. Bera  
P. Mal\*

An OCC of Homi Bhabha National Institute, India

## Transition-Metal- and Photocatalyst-Free Photoinduced Formation of Carbon–Pnictogen (–N, –P) Bonds

## Short Review

2627



## Synthesis

Synthesis 2024, 56, 2638–2647  
DOI: 10.1055/a-2335-8677

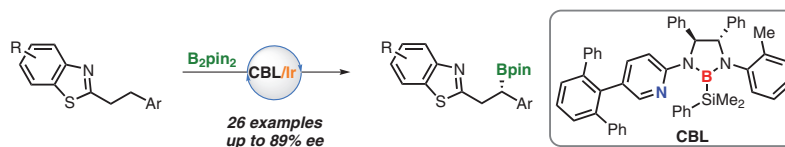
L.-J. Xie  
L. Chen\*  
S. Xu\*

Lanzhou Institute of Chemical Physics, P. R. of China

## Benzothiazole-Directed Enantioselective Borylation of Secondary Benzylic C–H Bonds Using Iridium Catalysis

## Feature

2638



## Synthesis

Synthesis 2024, 56, 2648–2654  
DOI: 10.1055/a-2335-8452

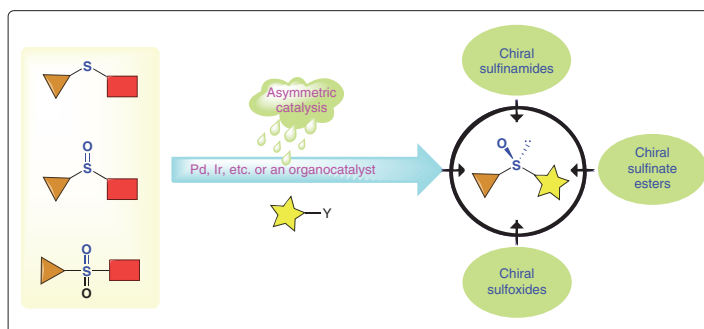
C. Wang  
X. Wu  
J. Huang  
G. Liu\*  
J. Wu\*

Jiangxi Science & Technology Normal University, P. R. of China  
Taizhou University, P. R. of China

## Asymmetric Access to Chiral Sulfinyl Compounds as Bioisosteres of Carbonyl Compounds

## Paper

2648



## Synthesis

Synthesis 2024, 56, 2655–2662  
DOI: 10.1055/a-2331-2707

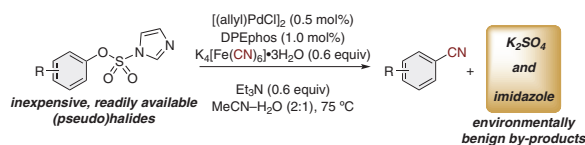
N. A. Wilson  
W. M. Palmer  
J. M. Ganley  
J. R. Coombs  
M. S. Leverse  
J. Albaneze-Walker\*  
D. E. Frantz\*

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### Palladium-Catalyzed Cyanations of Aryl Imidazolylsulfonates with $K_4[Fe(CN)_6]$ : A Pragmatic Approach to Benzonitriles from Phenols

Paper

2655



## Synthesis

Synthesis 2024, 56, 2663–2669  
DOI: 10.1055/s-0043-1775370

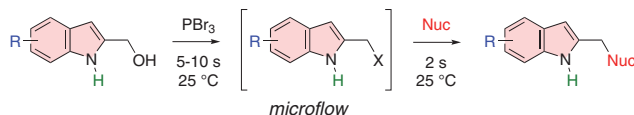
S. Fuse\*  
Y. Matsuura  
N. Yamasaki

Nagoya University, Japan

### Rapid and Mild Nucleophilic Substitution of a Highly Active (Indol-2-yl)methyl Electrophile in a Microflow Reactor

Paper

2663



## Synthesis

Synthesis 2024, 56, 2670–2680  
DOI: 10.1055/s-0043-1775371

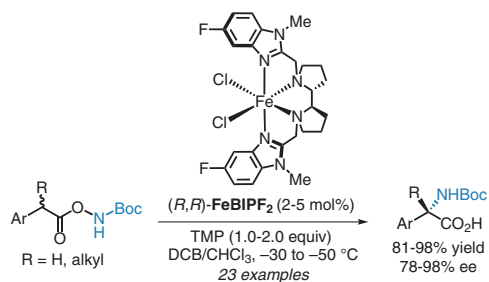
K. Yin  
E. Meggers\*  
Philipps-Universität Marburg,  
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### $\alpha$ -Amino Acid Synthesis by 1,3-Nitrogen Migration: An Update

Paper

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2670



## Synthesis

## Stereoselective Synthesis of Azobenzene-Based Glycomacrocycles

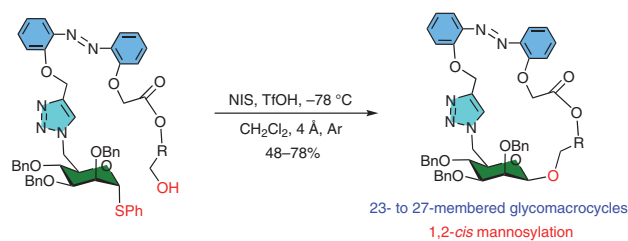
Paper

2681

*Synthesis* 2024, 56, 2681–2686  
DOI: 10.1055/s-0043-1774911

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## Synthesis

## 1,3-Dipolar Cycloaddition of Diazophosphonates with Methyl(Ethyl) Acrylate for the Synthesis of 5-Arylpyrazole-3-carboxylates

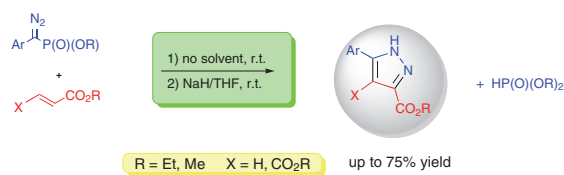
Paper

2687

*Synthesis* 2024, 56, 2687–2694  
DOI: 10.1055/a-2338-8631

N. A. Zinovyev  
I. P. Beletskaya  
I. D. Titanyuk\*

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## Synthesis

## A Practical Electrochemical Approach for Synthesizing Selenyl-Dihydrobenzofurans and Chromane with a Tetrasubstituted Carbon Center

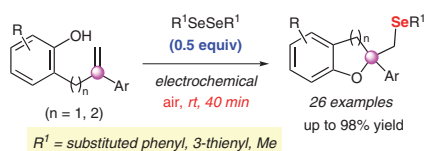
Paper

2695

*Synthesis* 2024, 56, 2695–2702  
DOI: 10.1055/s-0043-1775373

Q. Chen  
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## Synthesis

Synthesis 2024, 56, 2703–2708  
DOI: 10.1055/s-0043-1775376

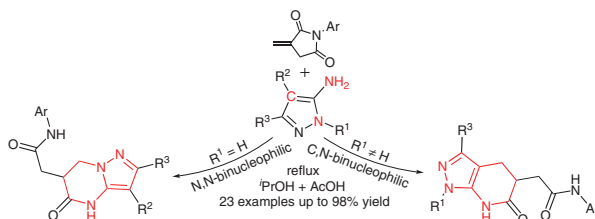
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## Efficient Synthesis of Tetrahydropyrazolo[1,5-a]pyrimidines Based on the Recyclization of N-Arylitaconimides with Aminopyrazoles

Paper

2703



## Synthesis

Synthesis 2024, 56, 2709–2730  
DOI: 10.1055/s-0043-4444

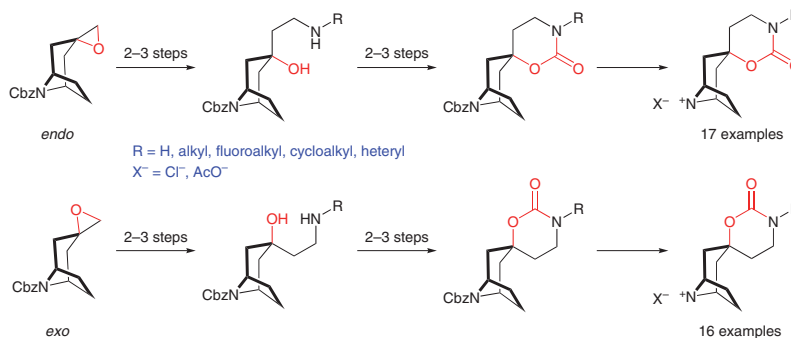
A. Mandzhulo  
I. Vashchenko  
O. Lukin  
S. Shishkina  
G. Dolgonos  
A. Gerasov  
V. Yepishev  
D. Samofalova  
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Life Chemicals Inc. in Ukraine,  
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## Spirocyclic Hybrids of Nortropane and 1,3-Oxazinan-2-one Fragments

Paper

2709



## Synthesis

Synthesis 2024, 56, 2731–2741  
DOI: 10.1055/s-0043-1774910

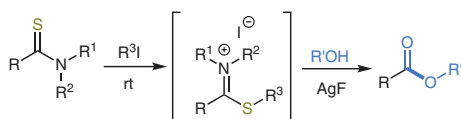
J. K. Vankar  
J. P. Jadav  
G. N. Gururaja\*

Central University of Gujarat,  
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## Efficient Synthesis of Esters by Cleavage of C–S and C–N Bonds via Alkylation and Activation of Thioamides

Paper

2731



Synthesis 2024, 56, 2742–2746  
DOI: 10.1055/s-0043-1774930

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Atatürk University, Turkey

