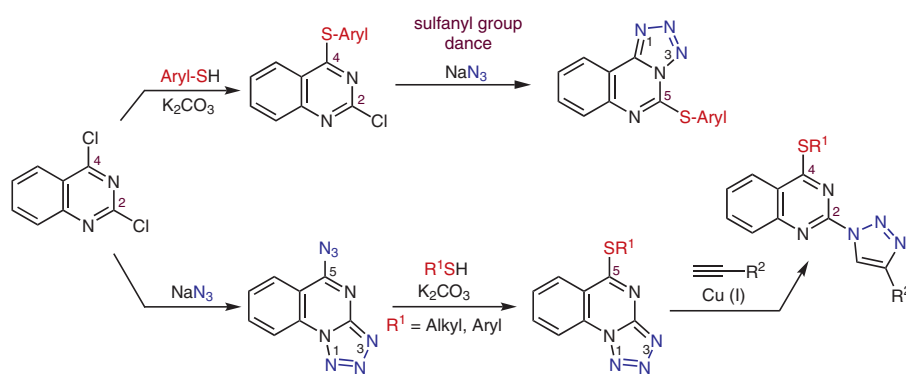


# Synthesis

Reviews and Full Papers in Chemical Synthesis

April 20, 2021 • Vol. 53, 1379–1530



Application of Azide-Tetrazole Tautomerism and Arylsulfanyl Group Dance in the Synthesis of Thiosubstituted Tetrazoloquinazolines

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## Synthesis

## Enantioselective Indium-Catalyzed Transformations

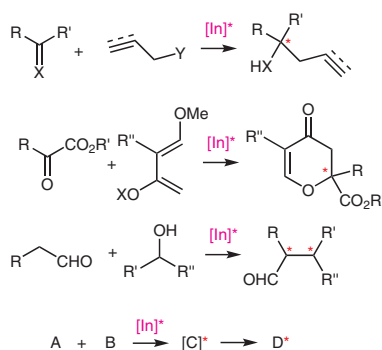
## Review

*Synthesis* **2021**, 53, 1379–1395  
DOI: 10.1055/a-1348-9122

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1379



## Synthesis

## Synthesis and Reactivity of Uhle's Ketone and Its Derivatives

## Short Review

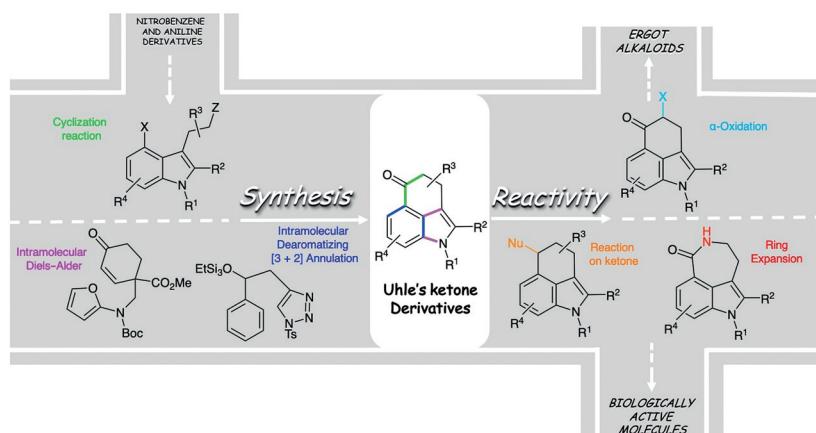
*Synthesis* **2021**, 53, 1396–1408  
DOI: 10.1055/a-1340-3423

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1396



## Synthesis

Synthesis 2021, 53, 1409–1422  
DOI: 10.1055/a-1339-3417

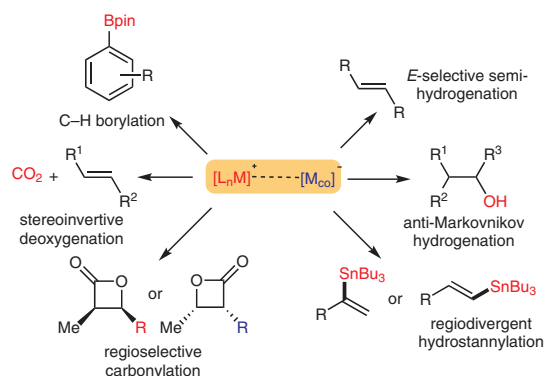
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## Catalytic Reactions by Heterobimetallic Carbonyl Complexes with Polar Metal–Metal Interactions

## Short Review

1409



## Synthesis

Synthesis 2021, 53, 1423–1433  
DOI: 10.1055/s-0040-1706017

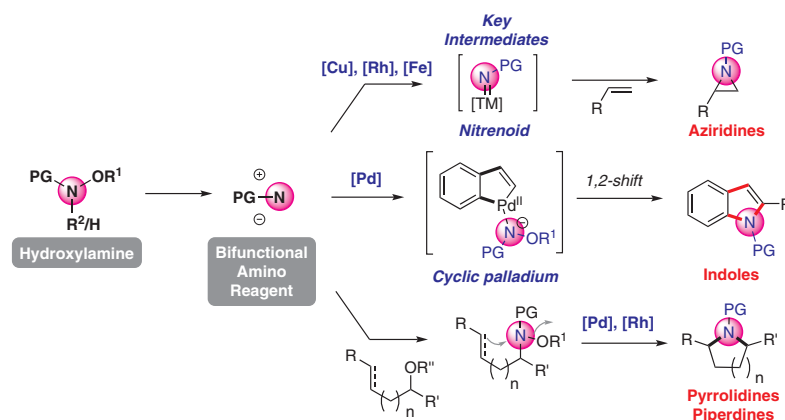
J. Yu  
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## Hydroxylamines as One-Atom Nitrogen Sources for Metal-Catalyzed Cycloadditions

## Short Review

1423



## Synthesis

Synthesis 2021, 53, 1434–1442  
DOI: 10.1055/a-1336-6857

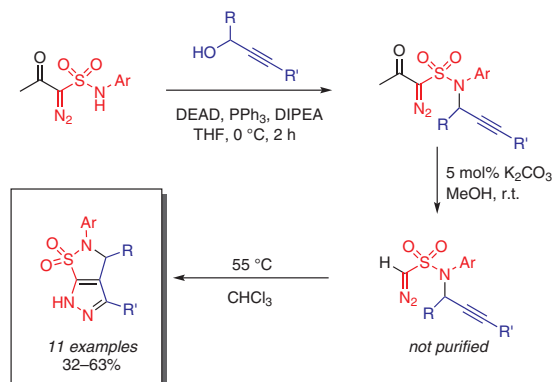
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## CH-Diazomethane Sulfonamides Generated in Situ for Intramolecular [3+2] Cycloaddition of Alkynes: An Entry into Novel Pyrazole-Fused Five-Membered Sultams

## Feature

1434



## Synthesis

Synthesis 2021, 53, 1443–1456  
DOI: 10.1055/s-0040-1706568

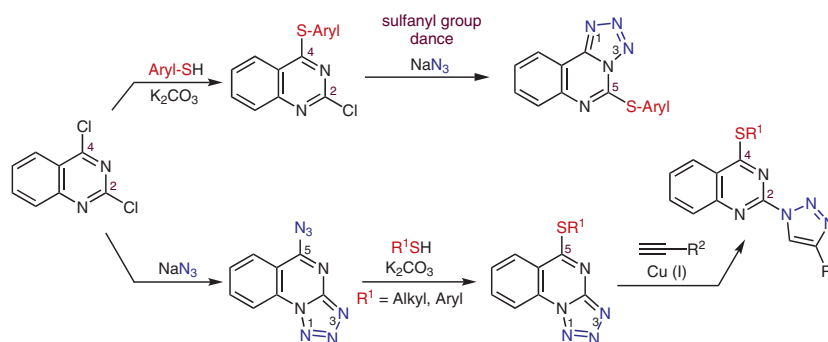
A. Jeminejs  
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## Application of Azide-Tetrazole Tautomerism and Arylsulfanyl Group Dance in the Synthesis of Thiosubstituted Tetrazoloquinazolines

Paper

1443



## Synthesis

Synthesis 2021, 53, 1457–1470  
DOI: 10.1055/s-0040-1706606

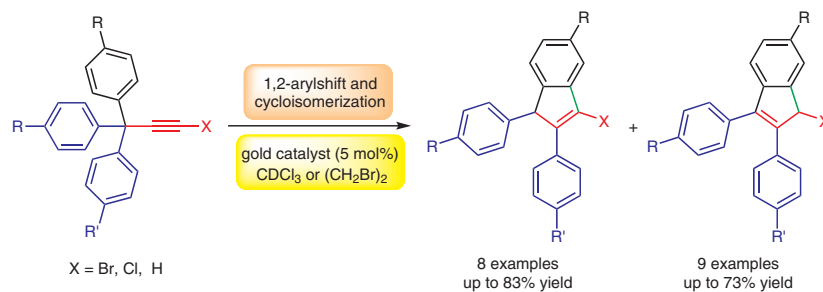
H. Siera  
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## Gold Catalysis of Non-Conjugated Haloacetylenes

Paper

1457



## Synthesis

Synthesis 2021, 53, 1471–1477  
DOI: 10.1055/s-0040-1705975

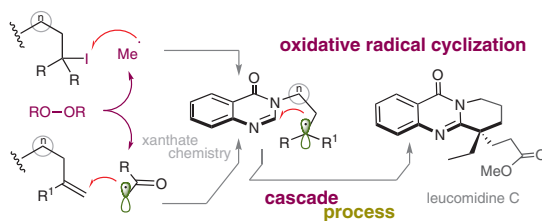
J. García-Ramírez  
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Peroxide-Mediated Oxidative Radical Cyclization to the Quinazolinone System: Efficient Syntheses of Deoxyvasicinone, Mackinazolinone and ( $\pm$ )-Leucomidine C

Paper

1471



## Synthesis

## Synthesis of Nitrogen- and Oxygen-Containing Heterocycles by Prins Cyclization in Continuous Flow

Paper

1478

*Synthesis* 2021, 53, 1478–1488  
DOI: 10.1055/s-0040-1705988

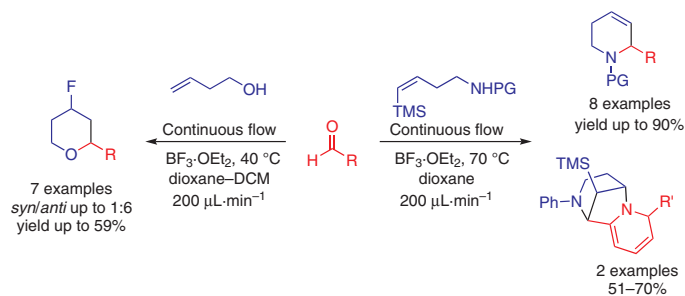
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J. Marrot

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## Synthesis

## Nickel-Catalyzed Reductive Allylation of Aldehydes with Allyl Acetates

Paper

1489

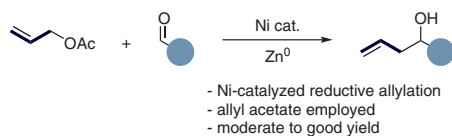
*Synthesis* 2021, 53, 1489–1494  
DOI: 10.1055/s-0040-1705961

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## Synthesis

Synthesis of *N*-Aryl-4-arylhexahydroquinoline Derivatives by Reaction of Cyclic Enaminones with Arylidene malononitriles in DMSO

Paper

1495

*Synthesis* 2021, 53, 1495–1502  
DOI: 10.1055/s-0040-1705984

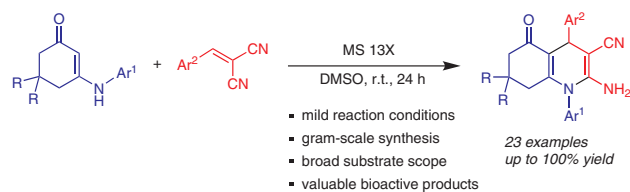
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C. Inoue

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## Synthesis

Synthesis 2021, 53, 1503–1512  
DOI: 10.1055/s-0040-1706089

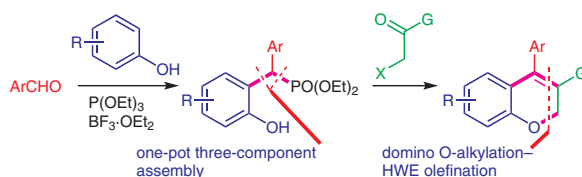
S. S. Prasad  
D. R. Joshi  
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### Facile Access to 3,4-Disubstituted 2H-Chromenes via Domino [4+2] Annulation

Paper

1503



- direct access to 3,4-diaryl-substituted 2H-chromenes from three building blocks
- combination of multicomponent assembly and O-alkylation/HWE olefination

## Synthesis

Synthesis 2021, 53, 1513–1523  
DOI: 10.1055/s-0040-1705972

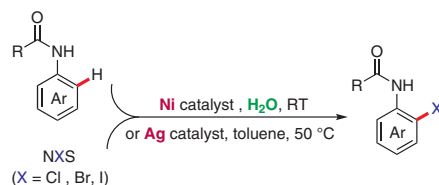
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H. Afaridoun

University of Tehran, Iran

### Nickel(II)- and Silver(I)-Catalyzed C–H Bond Halogenation of Anilides and Carbamates

Paper

1513



## Synthesis

Synthesis 2021, 53, 1524–1530  
DOI: 10.1055/s-0040-1706103

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### Organophotoredox-Catalyzed C–H Alkylation of Imidazoheterocycles with Malonates: Total Synthesis of Zolpidem

Paper

1524

