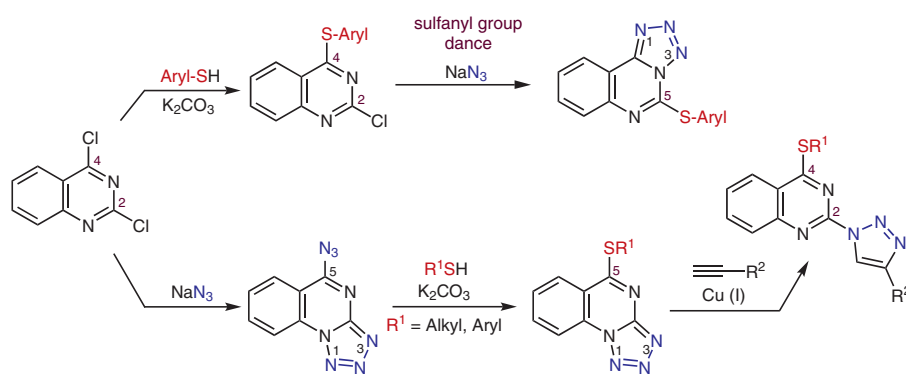


Synthesis

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

A. Jeminejs, S. M. Goliškina, I. Novosjolova, D. Stepanovs, Ē. Bizdēna, M. Turks

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Synthesis

Enantioselective Indium-Catalyzed Transformations

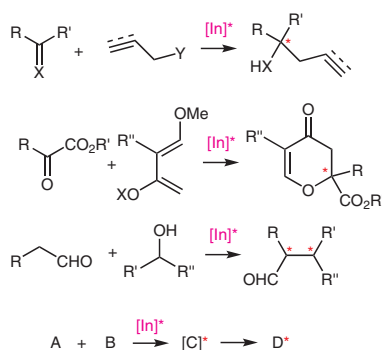
Review

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

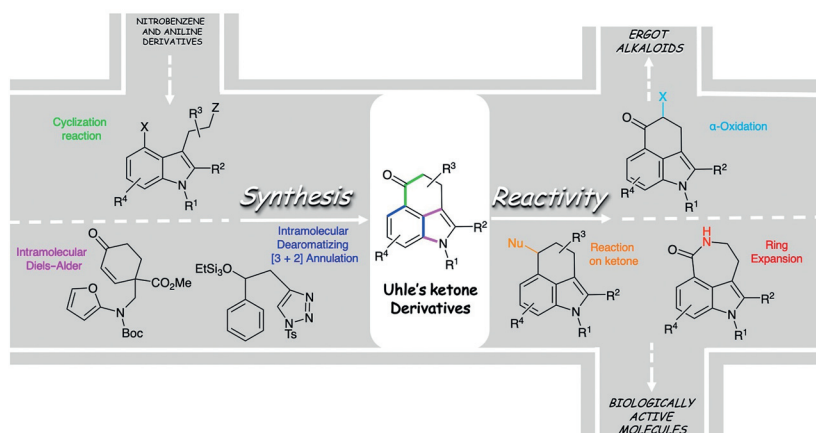
Synthesis **2021**, 53, 1396–1408
DOI: 10.1055/a-1340-3423

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1396



Synthesis

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

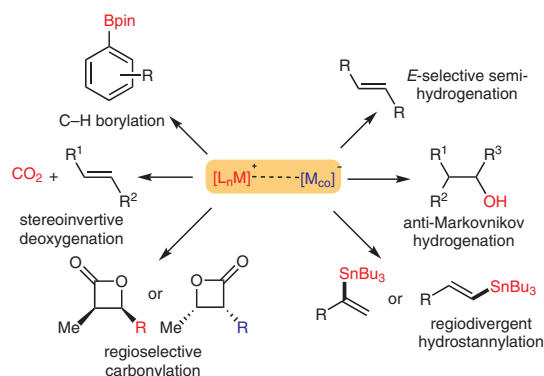
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Catalytic Reactions by Heterobimetallic Carbonyl Complexes with Polar Metal–Metal Interactions

Short Review

1409



Synthesis

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

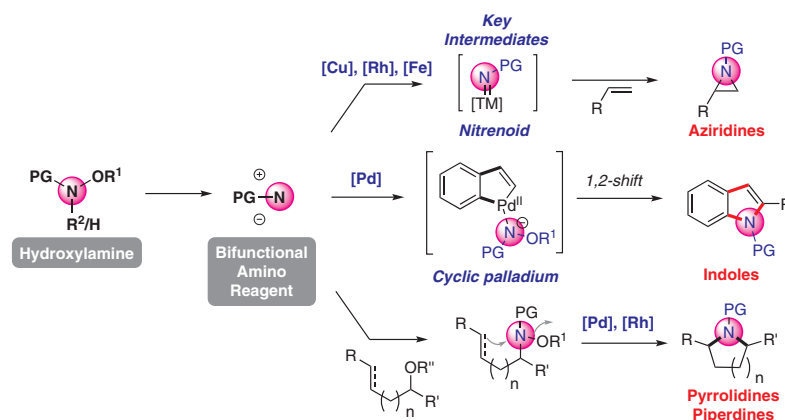
J. Yu
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Hydroxylamines as One-Atom Nitrogen Sources for Metal-Catalyzed Cycloadditions

Short Review

1423



Synthesis

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

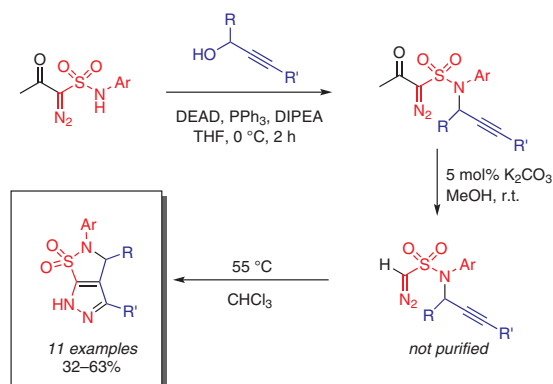
A. Bubyrev
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CH-Diazomethane Sulfonamides Generated in Situ for Intramolecular [3+2] Cycloaddition of Alkynes: An Entry into Novel Pyrazole-Fused Five-Membered Sultams

Feature

1434



Synthesis

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

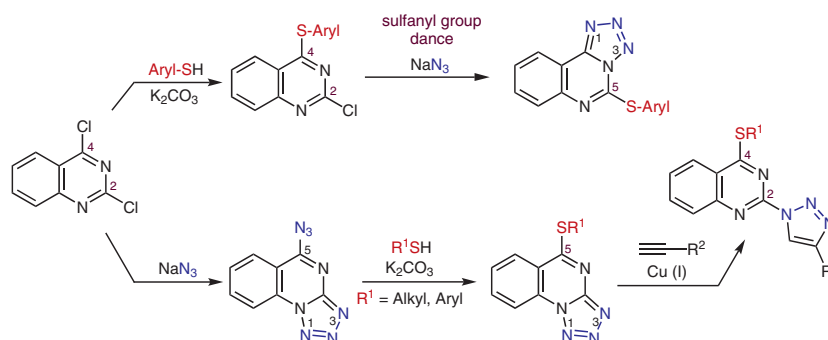
A. Jeminejs
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Application of Azide-Tetrazole Tautomerism and Arylsulfanyl Group Dance in the Synthesis of Thiosubstituted Tetrazoloquinazolines

Paper

1443



Synthesis

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

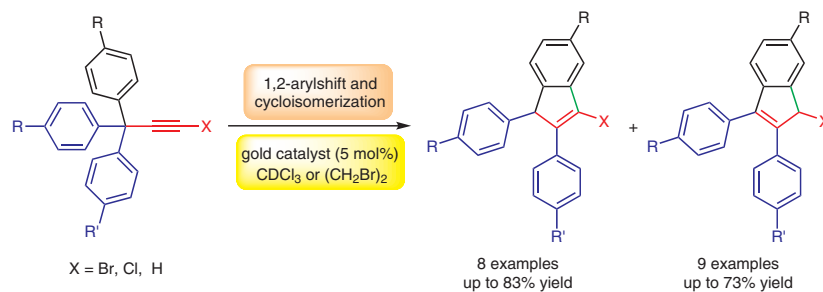
H. Siera
N. Semleit
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Gold Catalysis of Non-Conjugated Haloacetylenes

Paper

1457



Synthesis

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

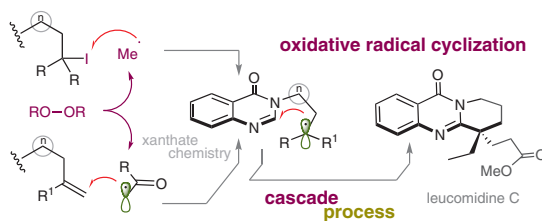
J. García-Ramírez
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Peroxide-Mediated Oxidative Radical Cyclization to the Quinazolinone System: Efficient Syntheses of Deoxyvasicinone, Mackinazolinone and (\pm)-Leucomidine C

Paper

1471



Synthesis

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

A. Talavera-Alemán*

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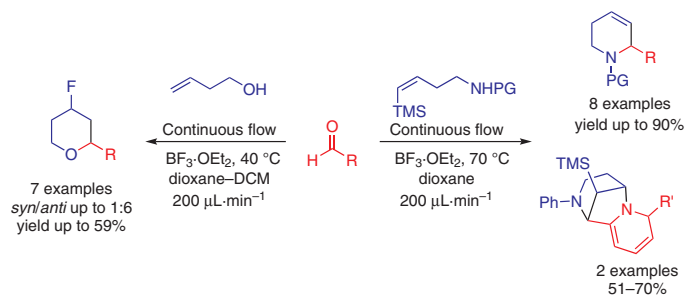
C. Thomassigny*

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

Paper

1478



Synthesis

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

H. Suzuki

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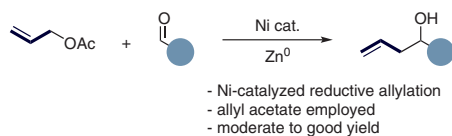
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Nickel-Catalyzed Reductive Allylation of Aldehydes with Allyl Acetates

Paper

1489



Synthesis

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

W. Han

C. Inoue

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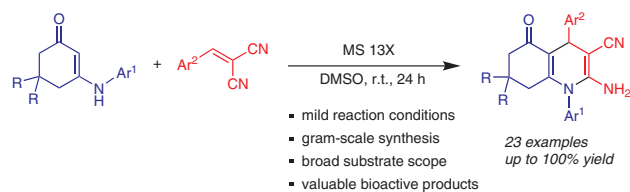
T. Oriyama*

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

Paper

1495



Synthesis

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

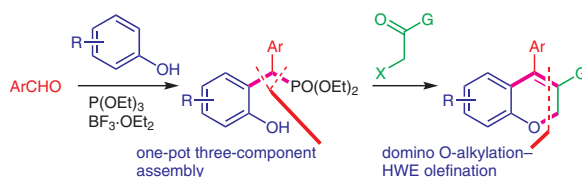
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Facile Access to 3,4-Disubstituted 2H-Chromenes via Domino [4+2] Annulation

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

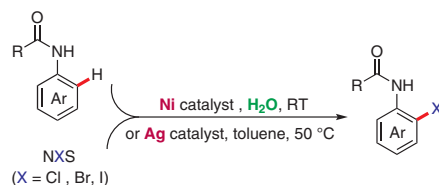
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Nickel(II)- and Silver(I)-Catalyzed C–H Bond Halogenation of Anilides and Carbamates

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

