

## Synthesis

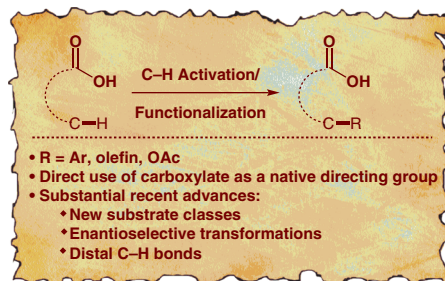
### Direct C(sp<sup>3</sup>)-H Activation of Carboxylic Acids

#### Short Review

*Synthesis* **2020**, 52, 479–488  
DOI: 10.1055/s-0039-1690720

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479

## Synthesis

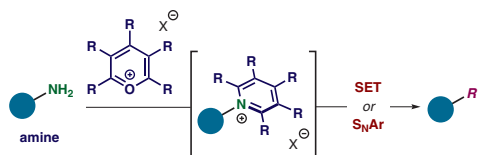
### Pyrylium Salts: Selective Reagents for the Activation of Primary Amino Groups in Organic Synthesis

#### Short Review

*Synthesis* **2020**, 52, 489–503  
DOI: 10.1055/s-0039-1690703

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489

## Synthesis

Synthesis 2020, 52, 504–520  
DOI: 10.1055/s-0039-1691542

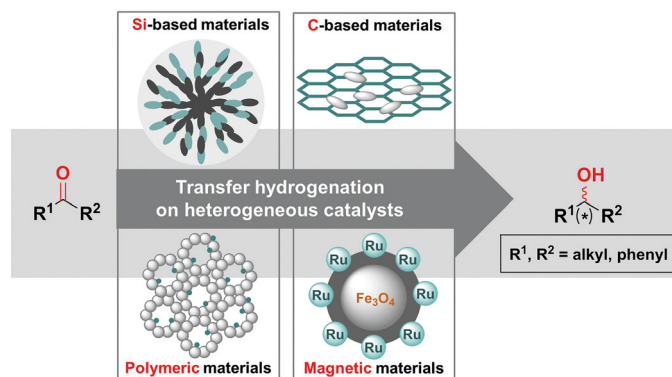
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## Selective Reduction of Carbonyl Compounds via (Asymmetric) Transfer Hydrogenation on Heterogeneous Catalysts

Short Review

504



## Synthesis

Synthesis 2020, 52, 521–528  
DOI: 10.1055/s-0039-1690209

J. M. Hoffmann

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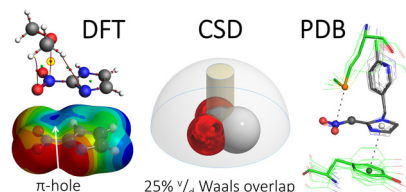
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## $\pi$ -Hole Interactions with Various Nitro Compounds Relevant for Medicine: DFT Calculations and Surveys of the Cambridge Structural Database (CSD) and the Protein Data Bank (PDB)

Paper

521



## Synthesis

Synthesis 2020, 52, 529–536  
DOI: 10.1055/s-0039-1690014

A. A. Almasalma

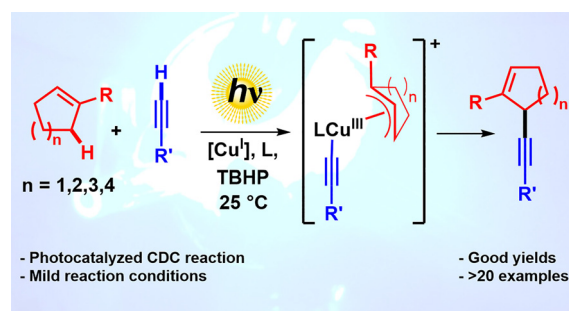
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## Allylic C–H Alkynylation via Copper-Photocatalyzed Cross-Dehydrogenative Coupling

Paper

529



## Synthesis

*Synthesis* 2020, 52, 537–543  
DOI: 10.1055/s-0039-1690016

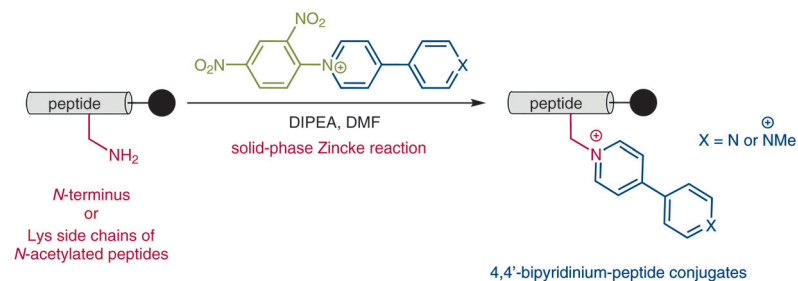
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## Solid-Phase Zincke Reaction for the Synthesis of Peptide-4,4'-bipyridinium Conjugates

Paper

537



## Synthesis

*Synthesis* 2020, 52, 544–552  
DOI: 10.1055/s-0039-1690244

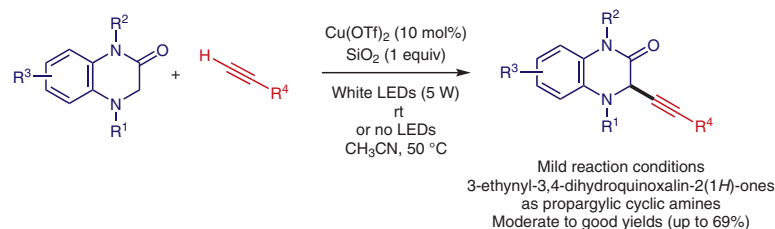
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## Copper-Catalyzed Aerobic Oxidative Alkynylation of 3,4-Dihydroquinoxalin-2-ones

Paper

544



## Synthesis

*Synthesis* 2020, 52, 553–564  
DOI: 10.1055/s-0039-1690745

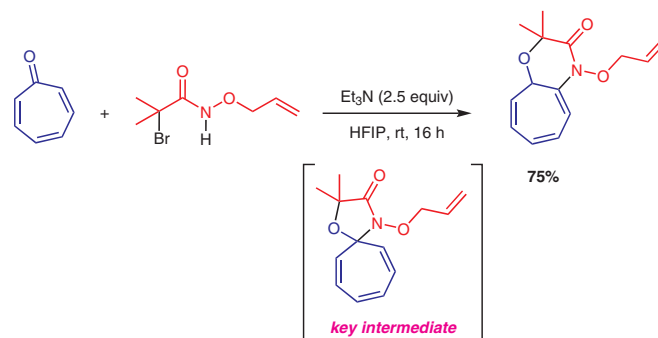
G. Force  
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## Formal [8+3]-Annulation between Azaoxyallyl Cations and Tropones

Paper

553



## Synthesis

Synthesis 2020, 52, 565–573  
DOI: 10.1055/s-0039-1690045

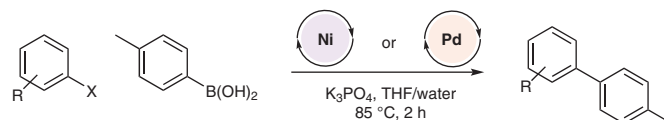
A. K. Cooper  
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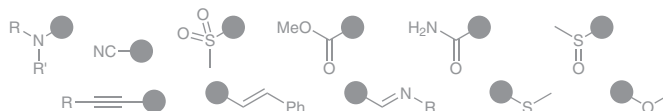
## Nickel versus Palladium in Cross-Coupling Catalysis: On the Role of Substrate Coordination to Zerovalent Metal Complexes

Paper

565



How do functional groups affect selectivity or inhibit reactions?



## Synthesis

Synthesis 2020, 52, 574–580  
DOI: 10.1055/s-0039-1690048

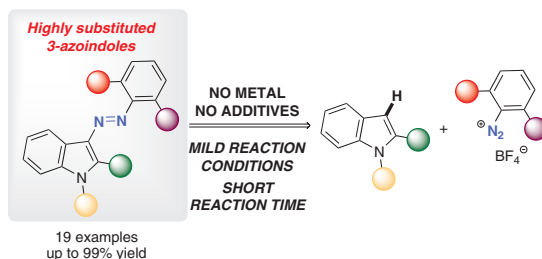
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L. Guillemard  
J. Wencel-Delord\*

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sité de Haute-Alsace, France

## Highly Efficient Synthesis of Hindered 3-Azoindoles via Metal-Free C–H Functionalization of Indoles

Paper

574



## Synthesis

Synthesis 2020, 52, 581–590  
DOI: 10.1055/s-0039-1690265

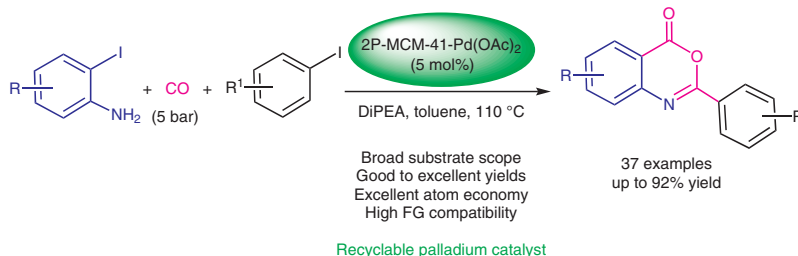
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Z. Zhou  
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## Recyclable Heterogeneous Palladium-Catalyzed Carbonylative Cyclization of 2-Iodoanilines with Aryl Iodides Leading to 2-Arylbenzoxazinones

Paper

581



Recyclable palladium catalyst

## Synthesis

Synthesis 2020, 52, 591–601  
DOI: 10.1055/s-0039-1690239

R. Mittal

A. Mishra

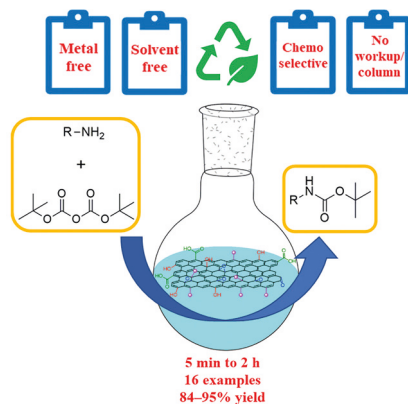
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### A Greener Approach for the Chemoselective Boc Protection of Amines Using Sulfonated Reduced Graphene Oxide as a Catalyst in Metal- and Solvent-Free Conditions

Paper

591



## Synthesis

Synthesis 2020, 52, 602–608  
DOI: 10.1055/s-0039-1690243

C. Xu

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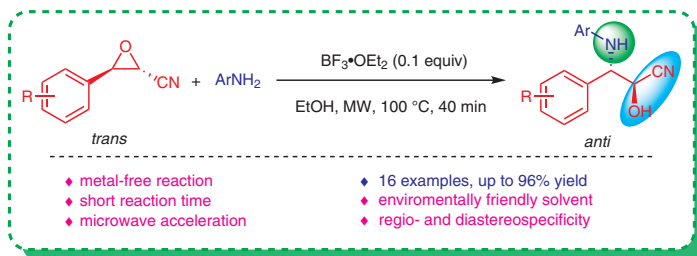
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### BF<sub>3</sub>·OEt<sub>2</sub>-Catalyzed Synthesis of *anti*-β-(*N*-Arylamino)-α-hydroxynitriles by Regio- and Diastereospecific Ring Opening of 3-Aryloxirane-2-carbonitriles with Anilines

Paper

602



## Synthesis

Synthesis 2020, 52, 609–618  
DOI: 10.1055/s-0039-1690746

D. Chen\*

J. Li

Y. Shan\*

P. Cui

Y. Zhao

L. Tian

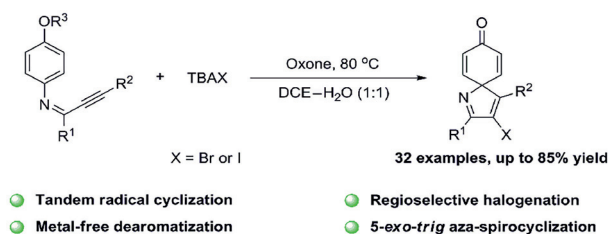
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Jiaxing University, P. R. of China

### Halogen-Radical-Promoted Dearomative Aza-Spirocyclization of Alkynylimines: An Efficient Approach to 3-Halo-Spirocyclohexa-dienones

Paper

609



Synthesis 2020, 52, 619–628  
DOI: 10.1055/s-0039-1691069

619

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