

# Synthesis

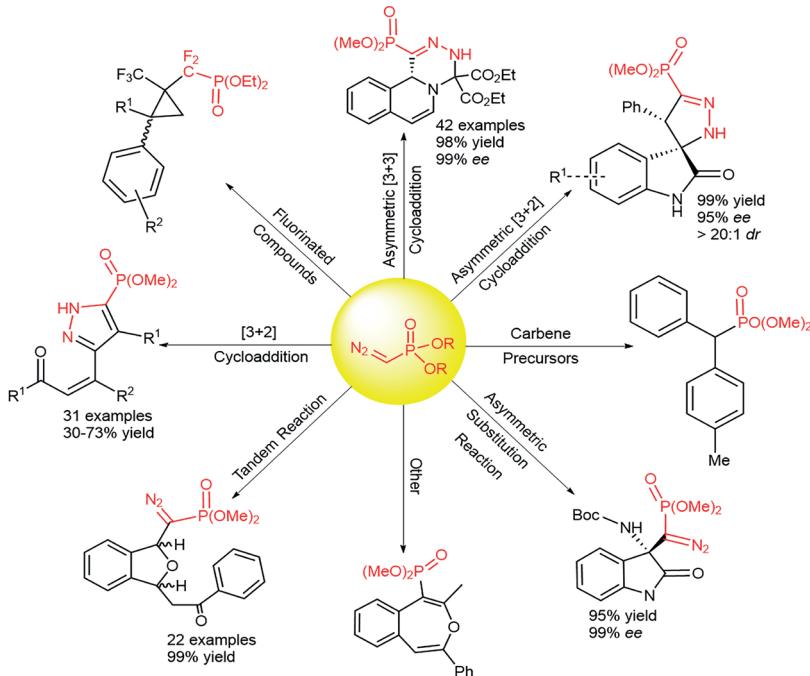
Reviews and Full Papers in Chemical Synthesis

December 17, 2024 • Vol. 56, 3687–3928

## Special Topic

### Recent Advancements in The Chemistry of Diazo Compounds

Guest Editor: Namrata Rastogi



Recent Advances in Diazophosphonate Chemistry: Reactions and Transformations

S. Ullah, Z. Hussain, Y. Peng

24

 Thieme

**Synthesis**

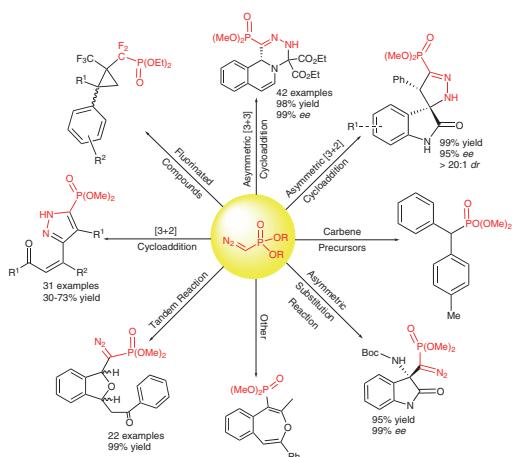
Synthesis 2024, 56, 3687–3727  
DOI: 10.1055/s-0040-1720129

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Recent Advances in Diazophosphonate Chemistry: Reactions and Transformations

Review  
3687



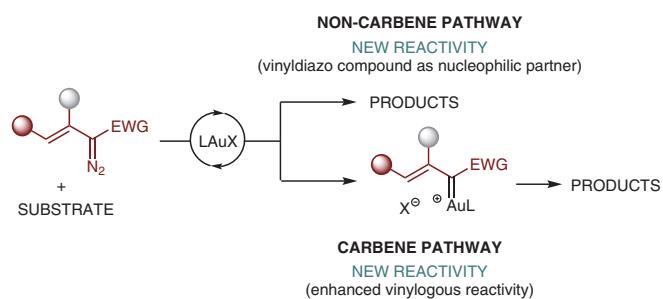
**Synthesis**

Synthesis 2024, 56, 3728–3740  
DOI: 10.1055/a-2343-1001

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Recent Advances in Gold-Catalyzed Transformations of Vinyl diazo Reagents

Short Review  
3728



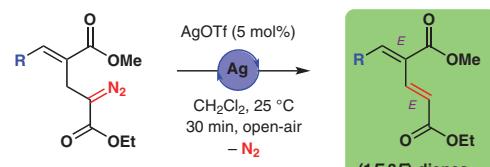
**Synthesis****Mild and Stereoselective Synthesis of (*1E,3E*)-Dienes through Silver(I)-Catalyzed  $\beta$ -Hydride Migration from Allylic  $\alpha$ -Diazo Esters****Feature**

3741

*Synthesis* 2024, 56, 3741–3751  
DOI: 10.1055/a-2369-3961

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- Simple and mild conditions
- Readily available catalyst
- High stereoselectivity
- Mechanism unraveled

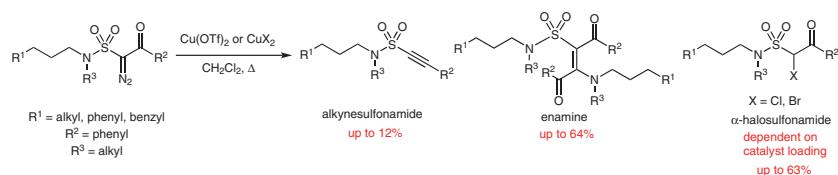
**Synthesis****Synthesis and Reactivity of  $\alpha$ -Diazo- $\beta$ -keto Sulfonamides****Paper**

3752

*Synthesis* 2024, 56, 3752–3768  
DOI: 10.1055/a-2348-5631

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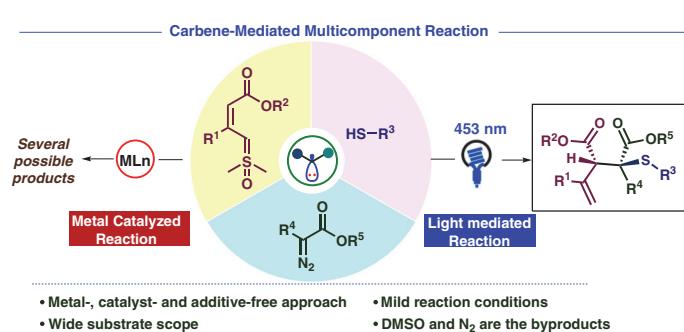
**Synthesis****Visible-Light-Mediated *gem*-Difunctionalization of Diazo Compounds with Vinyl Sulfoxonium Ylides and Thiols****Paper**

3769

*Synthesis* 2024, 56, 3769–3778  
DOI: 10.1055/a-2350-1248

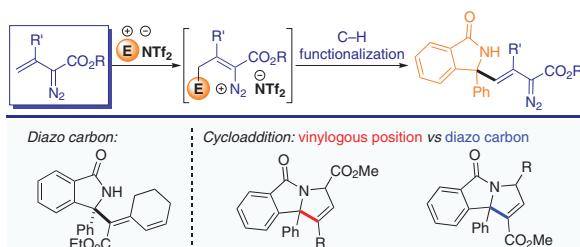
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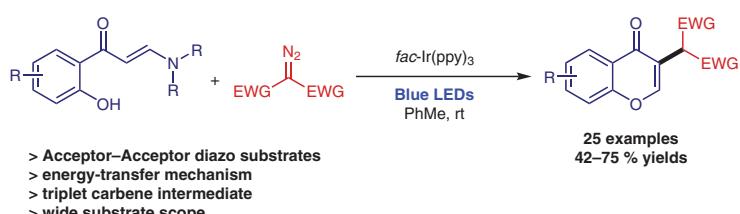
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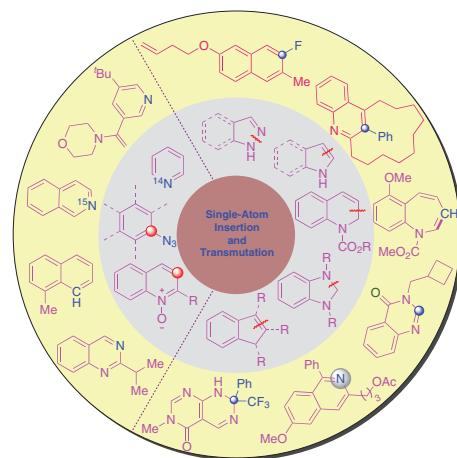
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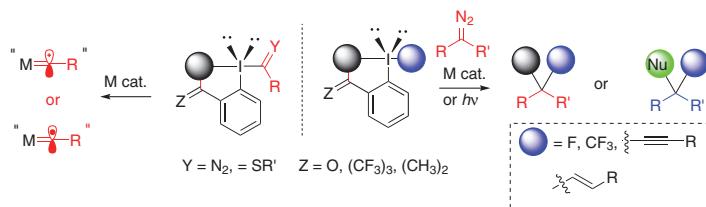


Synthesis 2024, 56, 3815–3828  
DOI: 10.1055/a-2418-8285

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Synthesis 2024, 56, 3829–3848  
DOI: 10.1055/a-2402-6920

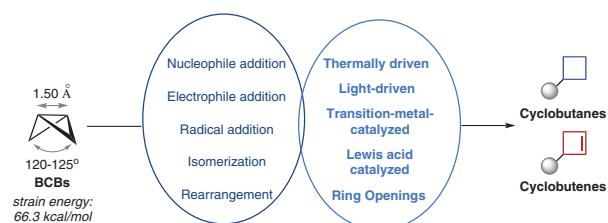
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Synthesis 2024, 56, 3849–3858  
DOI: 10.1055/a-2403-2247

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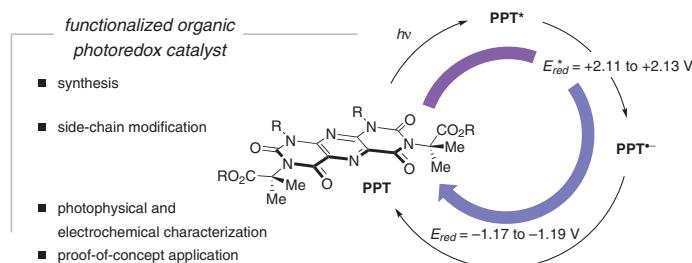
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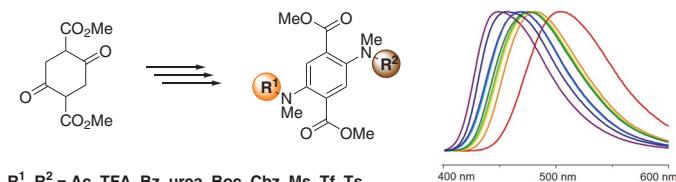
*Synthesis* 2024, 56, 3859–3869  
DOI: 10.1055/a-2435-5790

**Synthesis and Derivatization of Diaminobenzene Fluorophores with Amine Protecting Groups****Feature**

3859

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**Synthesis**

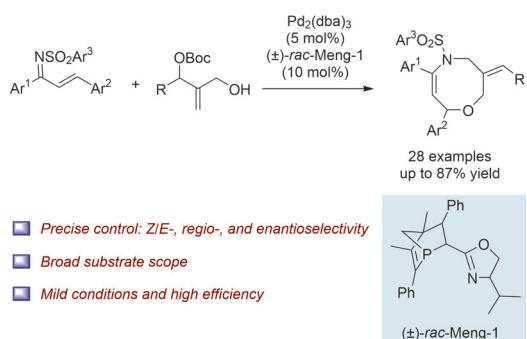
*Synthesis* 2024, 56, 3870–3878  
DOI: 10.1055/a-2435-5589

**Pd/Mengphos-Catalyzed High-Order [4+4] Cycloaddition for Efficient Synthesis of Oxazocines****Paper**

3870

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**Synthesis**

*Synthesis* 2024, 56, 3879–3888  
DOI: 10.1055/a-2443-5162

**Enantioselective Synthesis of Axially Chiral Silacyclohexylidene Oxime Ethers by Chiral Phosphoric Acid Catalysis****Paper**

3879

X.-Y. Wang  
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Z.-W. Wu  
Y. Bai  
G. Chen  
J.-S. Yu\*

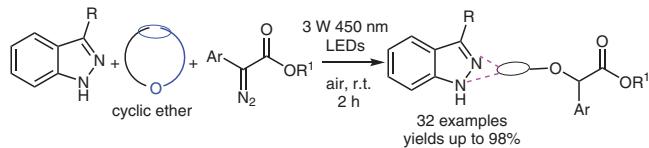
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Synthesis 2024, 56, 3889–3902  
DOI: 10.1055/a-2457-0146

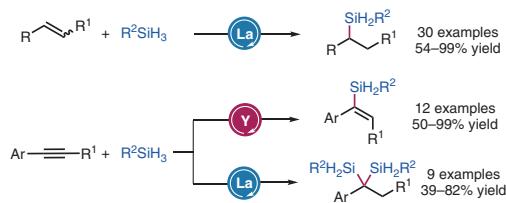
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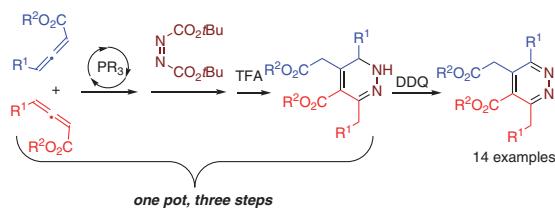
Synthesis 2024, 56, 3903–3914  
DOI: 10.1055/a-2443-5060

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Synthesis 2024, 56, 3915–3922  
DOI: 10.1055/a-2445-1338

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Synthesis 2024, 56, 3923–3928  
DOI: 10.1055/s-0043-1775414

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