

Synthesis

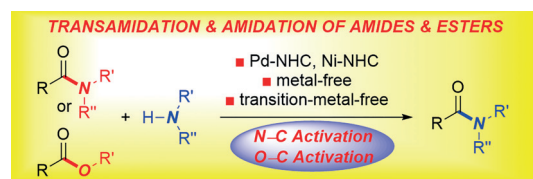
Synthesis **2020**, 52, 2579–2599
DOI: 10.1055/s-0040-1707101

G. Li
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Rutgers University, USA

Non-Classical Amide Bond Formation: Transamidation and Amidation of Activated Amides and Esters by Selective N–C/O–C Cleavage

Review

2579



Synthesis

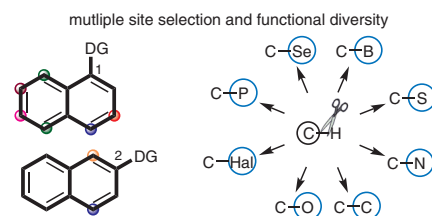
Synthesis **2020**, 52, 2600–2612
DOI: 10.1055/s-0040-1707855

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Université Paris-Saclay, France

C–H Functionalization Strategies in the Naphthalene Series: Site Selections and Functional Diversity

Short Review

2600



Synthesis

Synthesis 2020, 52, 2613–2622
DOI: 10.1055/s-0040-1707815

A. A. Almasalma

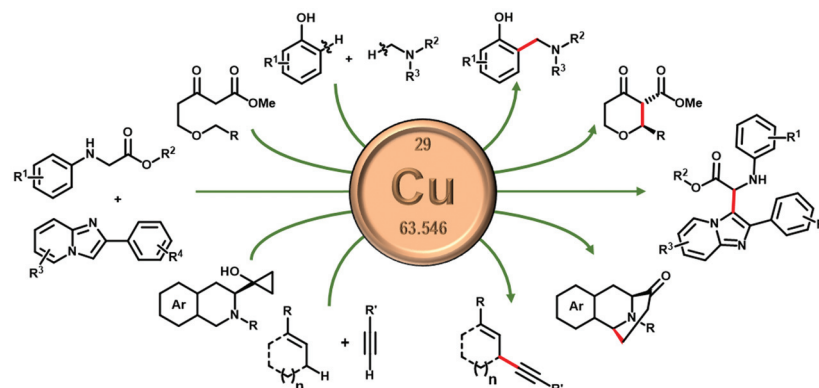
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Recent Advances on Copper-Catalyzed C–C Bond Formation via C–H Functionalization

Short Review

2613



Synthesis

Synthesis 2020, 52, 2623–2638
DOI: 10.1055/s-0040-1707128

T. Agrawal

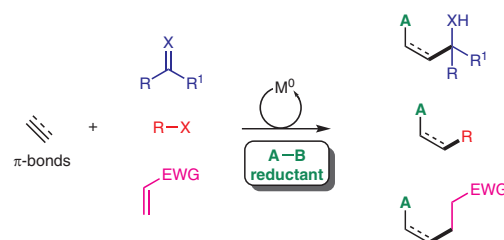
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Recent Developments in C–C Bond Formation Using Catalytic Reductive Coupling Strategies

Short Review

2623



Synthesis

Synthesis 2020, 52, 2639–2649
DOI: 10.1055/s-0040-1707860

A. Álvarez-Pérez

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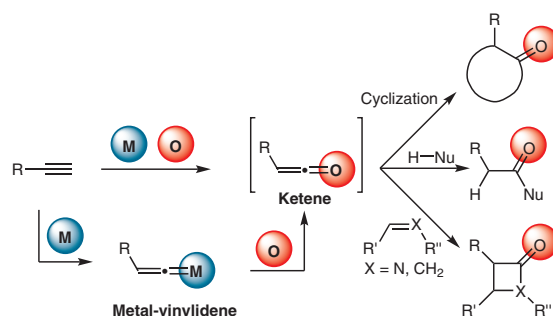
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Oxidation of Alkynes via Catalytic Metal-Vinylidenes

Short Review

2639



Synthesis

Synthesis **2020**, 52, 2650–2661
DOI: 10.1055/s-0040-1707176

C.-J. Xu

W. Du

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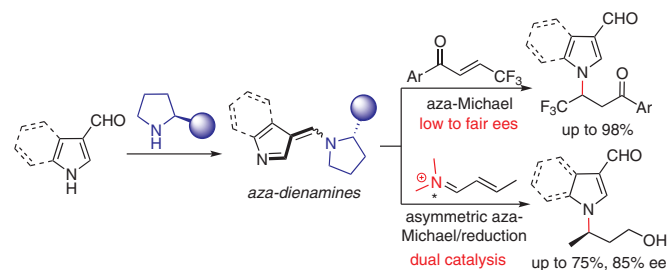
Y.-C. Chen*

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Lewis Basic Amine Catalyzed Aza-Michael Reaction of Indole- and Pyrrole-3-carbaldehydes

Feature

2650



Synthesis

Synthesis **2020**, 52, 2662–2666
DOI: 10.1055/s-0040-1707823

S. A. Zisopoulou

A. E. Pafili

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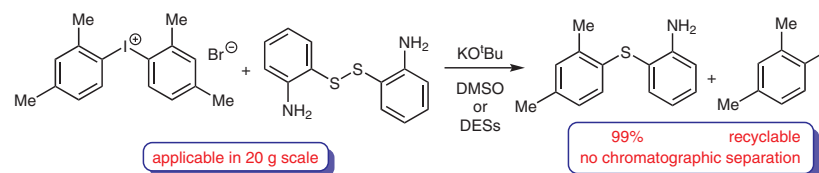
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Environmentally Benign Large-Scale Synthesis of a Precursor to Vortioxetine

PSP

2662



Synthesis

Synthesis **2020**, 52, 2667–2678
DOI: 10.1055/s-0040-1707393

D. A. Chaplygin

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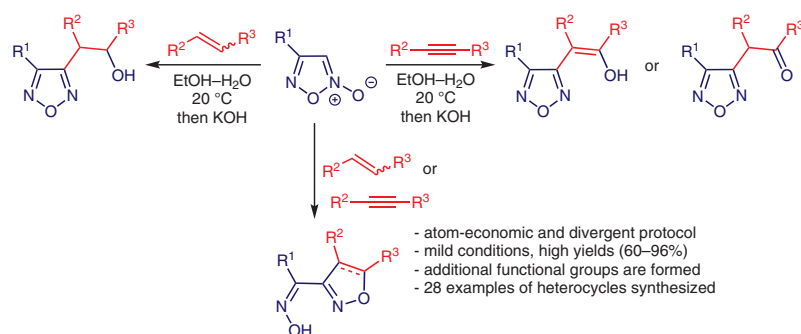
N. N. Makhova

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Divergent Synthesis of Five-Membered Nitrogen Heterocycles via Cascade Reactions of 4-Arylfuroxans

Paper

2667



Synthesis

Synthesis **2020**, 52, 2679–2688
DOI: 10.1055/s-0040-1707396

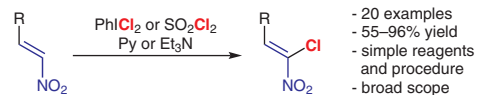
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Chlorination of Conjugated Nitroalkenes with PhICl_2 and SO_2Cl_2 for the Synthesis of α -Chloronitroalkenes



Paper

2679

Synthesis

Synthesis **2020**, 52, 2689–2697
DOI: 10.1055/s-0040-1707147

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$\text{P}(\text{OEt})_3$ -Mediated Formal S–H Insertion: Reductive Couplings of Isatins with Thiols to Generate 3-Sulfonylated Oxindoles



- A rare metal-free S–H bond insertion
- Readily available starting materials
- Obviating the use of hazardous, unstable diazo compounds
- Broadened substrate scope
- Mild reaction conditions

Paper

2689

Synthesis

Synthesis **2020**, 52, 2698–2704
DOI: 10.1055/s-0040-1707148

I. V. Saliy

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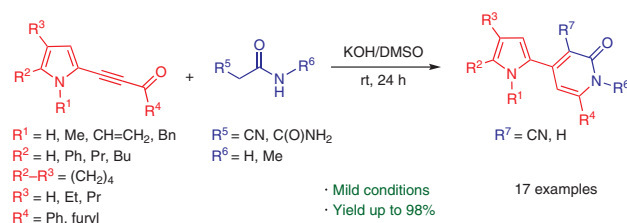
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Bio-inspired Functionalized Pyrrole-Pyridone Ensembles: Synthesis on the Platform of Acylethynylpyrroles



Paper

2698

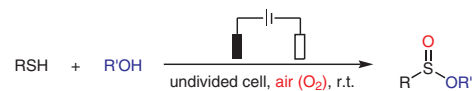
Synthesis

Synthesis 2020, 52, 2705–2712
DOI: 10.1055/s-0040-1707966

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Electrochemical Synthesis of Sulfinic Esters via Aerobic Oxidative Esterification of Thiophenols with Alcohols



- catalyst-free
- air as the sole oxygen source
- mild reaction conditions
- 31 examples, up to 98% yield

Paper

2705

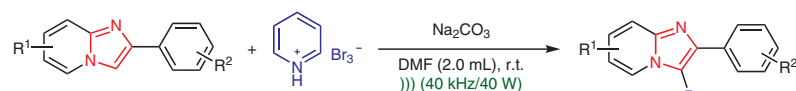
Synthesis

Synthesis 2020, 52, 2713–2720
DOI: 10.1055/s-0040-1707856

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Ultrasound-Promoted and Base-Mediated Regioselective Bromination of Imidazo[1,2-a]pyridines with Pyridinium Tribromide



- inexpensive and safe brominating reagent
- mild conditions and ultrasound-promoted
- simple operation and gram scale

31 examples
up to 96% yield

Paper

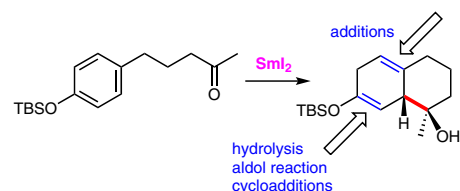
2713

Synthesis

Synthesis 2020, 52, 2721–2730
DOI: 10.1055/s-0040-1707889

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7-Siloxy-Substituted Hexahydronaphthalene Derivatives: Samarium Diiodide Promoted Synthesis and Typical Reactions



Paper

2721