

Synthesis

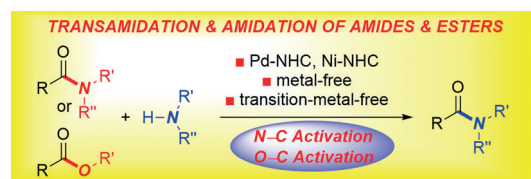
Synthesis 2020, 52, 2579–2599
DOI: 10.1055/s-0040-1707101

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

Review

2579



Synthesis

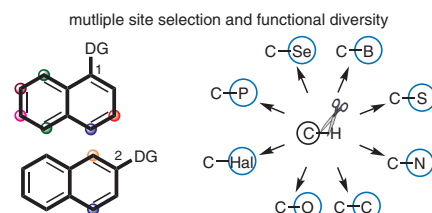
Synthesis 2020, 52, 2600–2612
DOI: 10.1055/s-0040-1707855

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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

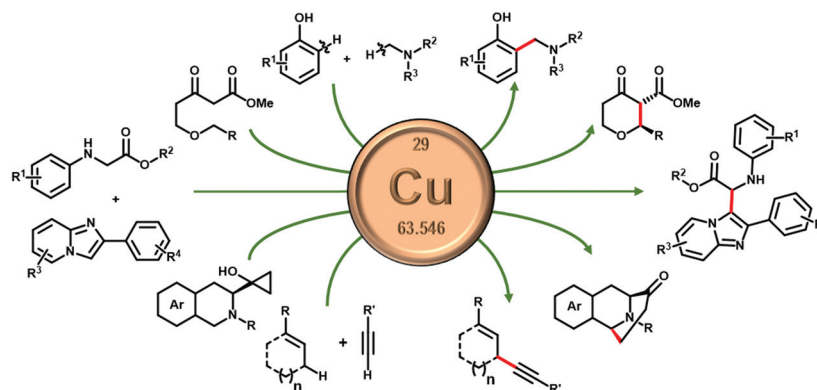
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Recent Advances on Copper-Catalyzed C–C Bond Formation via C–H Functionalization

Short Review

2613



Synthesis

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

T. Agrawal

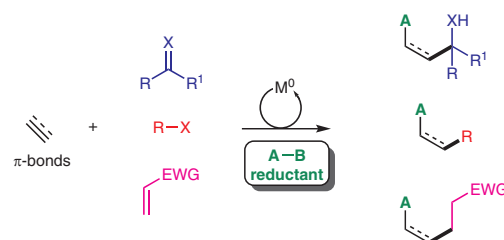
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Recent Developments in C–C Bond Formation Using Catalytic Reductive Coupling Strategies

Short Review

2623



Synthesis

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

A. Álvarez-Pérez

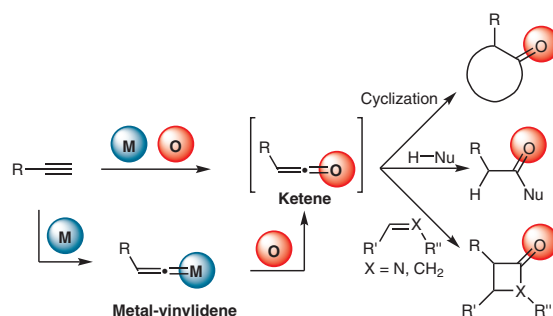
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Oxidation of Alkynes via Catalytic Metal-Vinylidenes

Short Review

2639



Synthesis

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

C.-J. Xu

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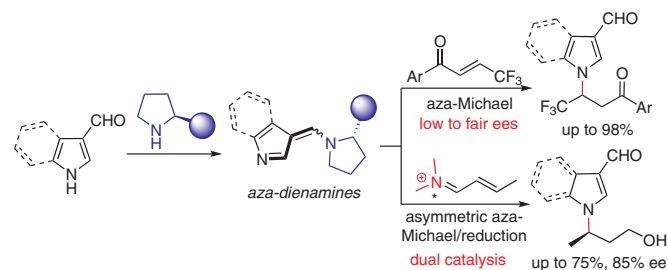
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Lewis Basic Amine Catalyzed Aza-Michael Reaction of Indole- and Pyrrole-3-carbaldehydes

Feature

2650



Synthesis

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

S. A. Zisopoulou

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T. Andreou

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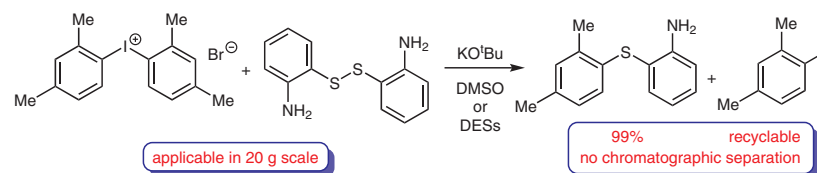
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Environmentally Benign Large-Scale Synthesis of a Precursor to Vortioxetine

PSP

2662



Synthesis

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

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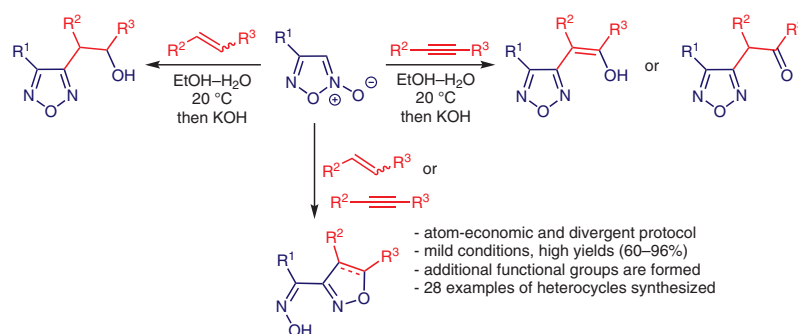
N. N. Makhova

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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

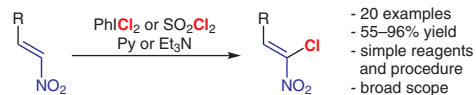
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Chlorination of Conjugated Nitroalkenes with PhICl_2 and SO_2Cl_2 for the Synthesis of α -Chloronitroalkenes

Paper

2679



Synthesis

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

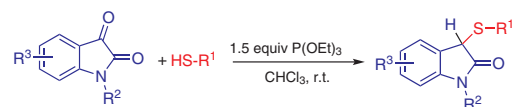
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 $\text{P}(\text{OEt})_3$ -Mediated Formal S–H Insertion: Reductive Couplings of Isatins with Thiols to Generate 3-Sulfenylated Oxindoles

Paper

2689



R^1 = aryl, alkyl, heterocyclyl
 R^2 = Bn, Et
 R^3 = OMe, Me, Et, H, F, Cl, Br

- 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

Synthesis

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

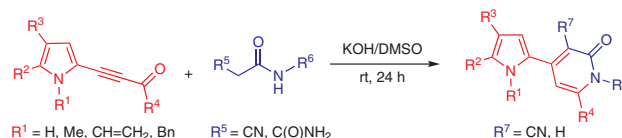
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Bio-inspired Functionalized Pyrrole-Pyridone Ensembles: Synthesis on the Platform of Acylethylnylpyrroles

Paper

2698



R^1 = H, Me, $\text{CH}=\text{CH}_2$, Bn
 R^2 = H, Ph, Pr, Bu
 R^2-R^3 = $(\text{CH}_2)_4$
 R^3 = H, Et, Pr
 R^4 = Ph, furyl
 R^5 = CN, $\text{C}(\text{O})\text{NH}_2$
 R^6 = H, Me
 R^7 = CN, H

- Mild conditions
- Yield up to 98%

Synthesis

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

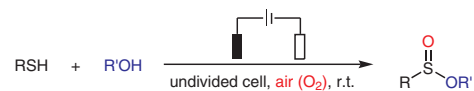
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Electrochemical Synthesis of Sulfinic Esters via Aerobic Oxidative Esterification of Thiophenols with Alcohols

Paper

2705



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

Synthesis

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

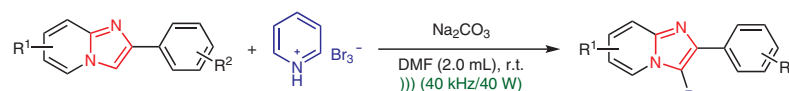
H. Jiang
D. Guo
Y. Zhang
Q.-P. Shen
S. Tang
J. You
Y. Huo
H. Wang
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Ultrasound-Promoted and Base-Mediated Regioselective Bromination of Imidazo[1,2-a]pyridines with Pyridinium Tribromide

Paper

2713



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

31 examples
up to 96% yield

Synthesis

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

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

Paper

2721

