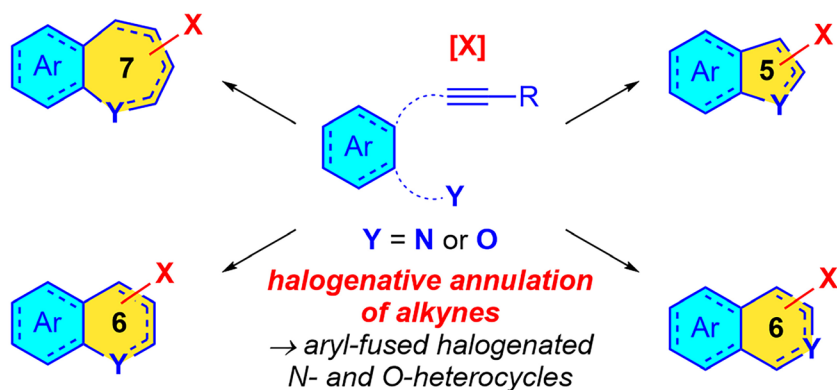


Synthesis

Reviews and Full Papers in Chemical Synthesis

October 4, 2023 • Vol. 55, 3057–3208



Halogenative Annulation Reactions of Alkyne-Tethered N- and O-Containing Arenes: Methods for Accessing Aryl-Fused Halogenated N- and O-Heterocycles

J. Tummatorna, S. Ruchirawata, C. Thongsornkleeb

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Synthesis

Synthesis **2023**, 55, 3057–3072
DOI: 10.1055/a-2067-4222

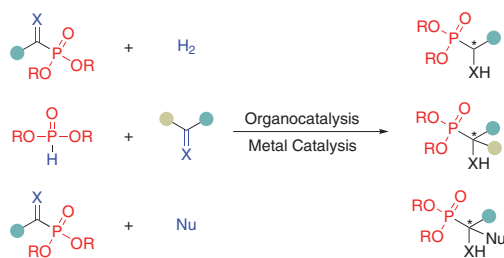
D. Xie
Z. Chen
C.-J. Wang*
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Recent Advances in the Asymmetric Catalytic Synthesis of Phosphonates with an α -Chiral Center

Short Review

3057



Synthesis

Synthesis **2023**, 55, 3073–3089
DOI: 10.1055/a-2114-7582

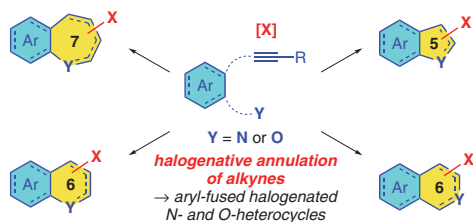
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Halogenative Annulation Reactions of Alkyne-Tethered *N*- and *O*-Containing Arenes: Methods for Accessing Aryl-Fused Halogenated *N*- and *O*-Heterocycles

Short Review

3073



Synthesis

Synthesis 2023, 55, 3090–3103
DOI: 10.1055/a-2096-6929

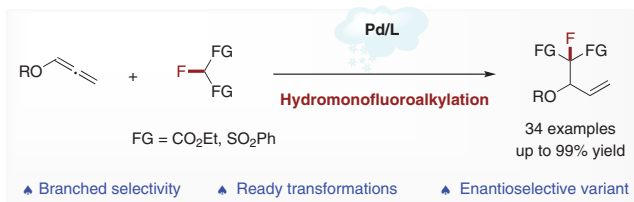
L. Liao
Z.-P. Zhao
B.-N. Gu
J.-S. Yu*
J. Zhou

East China Normal University,
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Palladium-Catalyzed Hydroalkylation of Alkoxyallenes Using Monofluorinated Nucleophiles

Paper

3090



Synthesis

Synthesis 2023, 55, 3104–3108
DOI: 10.1055/a-2110-8622

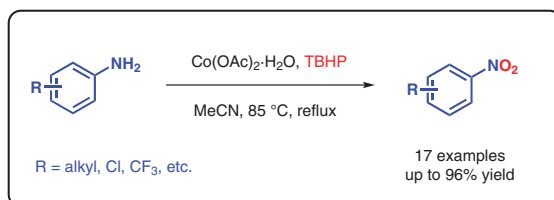
L. Wu
L. Yao
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Co(OAc)₂/TBHP as a Highly Active Catalytic System for the Selective Oxidation of Aromatic Amines to Nitro Derivatives

Paper

3104



Synthesis

Synthesis 2023, 55, 3109–3112
DOI: 10.1055/a-2069-4552

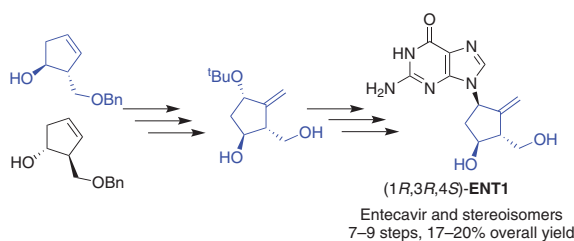
C. Wang*
D. Pei
L. Zhou
J. Sun

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Stereoselective Total Synthesis of Stereoisomers of Entecavir

Paper

3109



Synthesis

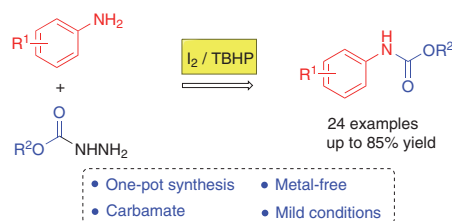
Synthesis 2023, 55, 3113–3120
DOI: 10.1055/a-2096-6841

L. Ji
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Synthesis of *N*-Phenylcarbamate by C–N Coupling Reaction without Metal Participation

Paper

3113



Synthesis

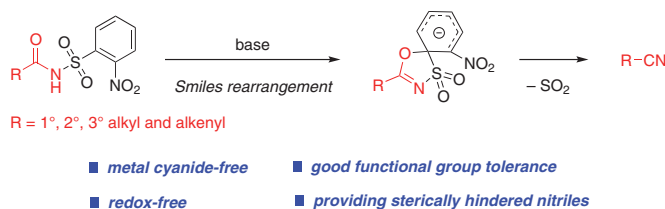
Synthesis 2023, 55, 3121–3128
DOI: 10.1055/s-0042-1751466

M. Abe*
H. Jitsumatsu
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Synthesis of Aliphatic Nitriles via Desulfonylative Smiles Rearrangement

Paper

3121



Synthesis

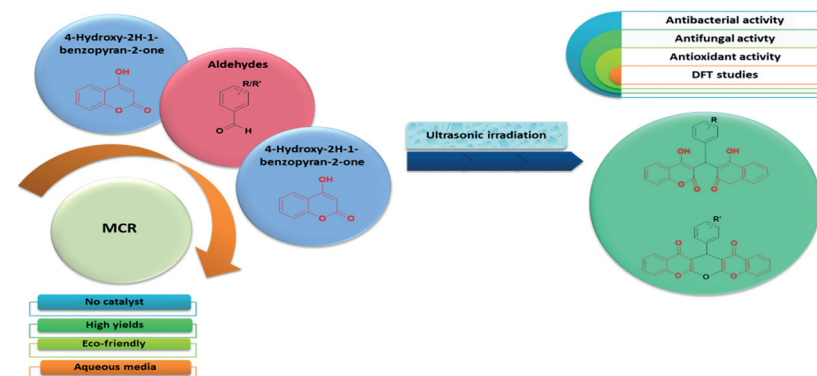
Synthesis 2023, 55, 3129–3144
DOI: 10.1055/s-0042-1751475

A. Thakur
R. Bharti*
M. Verma
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Ultra-Sonicated One-Pot Synthesis of Potent Bioactive Biscoumarin and Polycyclic Pyranodichromenone Scaffolds in Aqueous Media: A Complementary Tool to Organic Synthesis

Paper

3129



Synthesis

Synthesis 2023, 55, 3145–3152
DOI: 10.1055/a-2088-8997

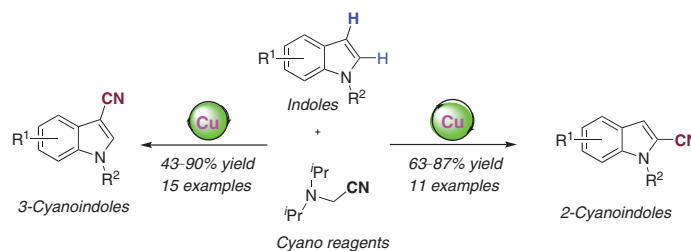
M. S. Ahmad*
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B. Zeng
Q. Zhang
E. Ul Haq Shah
N. Ud Din
Q. Wang*
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Copper-Catalyzed Regioselective Cyanation of Indoles via C-H Bond Activation with α -Aminoacetonitriles

Paper

3145



Benign Cyanation:

- Regioselective
- Homogenous
- Inexpensive Cu Catalyst
- Mild Conditions

Synthesis

Synthesis 2023, 55, 3153–3158
DOI: 10.1055/a-2117-9649

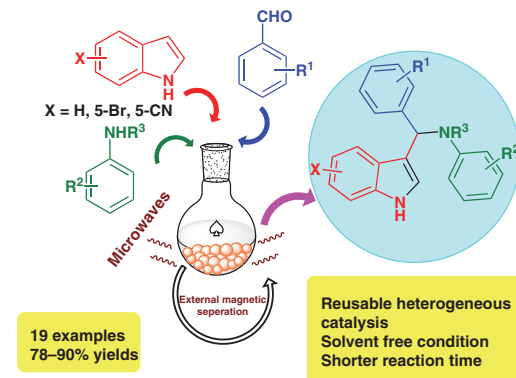
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Synthesis of 3-Aminoalkylated Indoles Using Heterogeneous MgFe_2O_4 Nanoparticles Under Microwave Irradiation in One-Pot Three-Component System

Paper

3153



Synthesis

Synthesis 2023, 55, 3159–3171
DOI: 10.1055/a-2107-5307

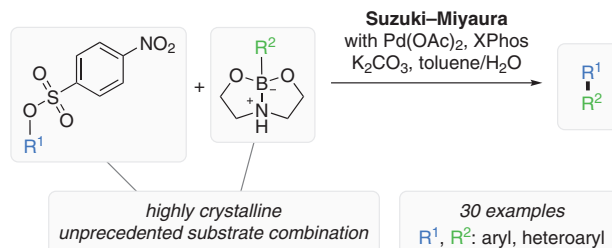
P. Kohler*
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Suzuki–Miyaura Coupling of Aryl Nosylates with Diethanolamine Boronates

Paper

3159



Synthesis

Synthesis **2023**, *55*, 3172–3178
DOI: 10.1055/a-2103-4915

Z. Xie*

L. Jin

H. Li

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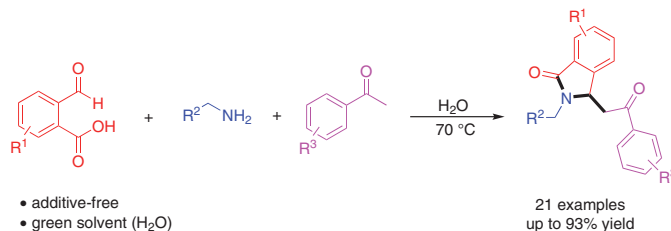
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Synthesis of 2-Benzyl-3-(2-oxo-2-phenylethyl)isoindolin-1-one Derivatives in Water under Catalyst-Free Conditions

Paper

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Synthesis

Synthesis **2023**, *55*, 3179–3185
DOI: 10.1055/a-2110-1989

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Method for the Synthesis of 2*H*-1,4-Benzoxazin-3-(4*H*)-ones via Ligand-Free Copper-Catalyzed Cascade Reaction

Paper

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Synthesis

Synthesis **2023**, *55*, 3186–3194
DOI: 10.1055/a-2114-7802

Sandeep

V. Saini

Chayawan

G. R. Chaudhary

P. Venugopalan

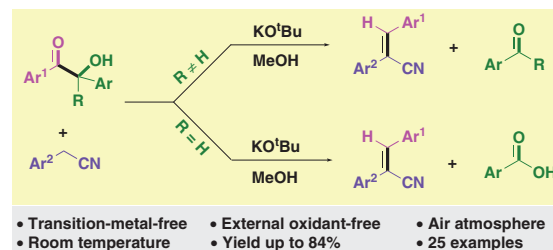
A. Kumar*

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Transition-Metal-Free and Selective Deconstructive Carbonyl Olefination of α -Hydroxy Ketones: A Complementary Approach to Knoevenagel Reaction

Paper

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Synthesis

p-TSA·H₂O-Catalyzed Synthesis of 2,3-Diarylquinoline Derivatives via One-Pot Three-Component Reaction

Paper

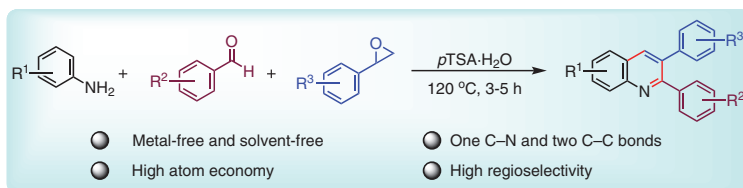
3195

Synthesis 2023, 55, 3195–3203
DOI: 10.1055/a-2107-6485

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Synthesis

A New One-Pot Synthesis of 3,6-Disubstituted Pyridazines Starting from β -Nitro- β,γ -Unsaturated Ketones

Paper

3204

Synthesis 2023, 55, 3204–3208
DOI: 10.1055/a-2114-7673

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L. Yuan

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