Direct C(sp³)–H Activation of Carboxylic Acids

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Short Review

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

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

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π-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)

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Universiteit van Amsterdam, The Netherlands

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

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

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**Paper**

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#### Abstract

Solid-phase Zincke reaction of amines with pyridinium salts to afford 4,4′-bipyridinium-peptide conjugates.

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

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**Paper**

544

#### Abstract

Copper-catalyzed aerobic oxidative alkynylation of 3,4-dihydroquinoxalin-2-ones using propargylic cyclic amines as key precursors.

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

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**Paper**

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#### Abstract

Formal [8+3]-Annulation between azaoxyallyl cations and tropones through aminocyclization reaction.
Nickel versus Palladium in Cross-Coupling Catalysis: On the Role of Substrate Coordination to Zerovalent Metal Complexes

How do functional groups affect selectivity or inhibit reactions?

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

Highly substituted 3-azoindoles

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

Broad substrate scope
Good to excellent yields
Excellent atom economy
High FG compatibility
Recyclable palladium catalyst
A Greener Approach for the Chemoselective Boc Protection of Amines Using Sulfonated Reduced Graphene Oxide as a Catalyst in Metal- and Solvent-Free Conditions

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BF₃·OEt₂-Catalyzed Synthesis of anti-β-(N-Arylamino)-α-hydroxynitriles by Regio- and Diastereospecific Ring Opening of 3-Aryloxirane-2-carbonitriles with Anilines

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

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J. Li
Y. Shan*
P. Cui
Y. Zhao
L. Tian
G. Qiu*
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Jiaxing University, P. R. of China
A Green Nanopalladium-Supported Catalyst for the Microwave-Assisted Direct Synthesis of Xanthones

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A. S. Diez
D. C. Gerbino*
Universidad Nacional del Sur, Argentina

short time
operational simplicity
ligand-free
regioselective
broad scope
recovery
very good yields

17 examples
up to 88% yield