Cluster Preface: iSySyCat2019

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Multiselective Catalytic Asymmetric Reactions Using α-Keto Esters as Pronucleophiles

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Chemo- and enantioselective

Two chiral centers
Diastereoselective

Three chiral centers
or
Two chiral centers with N-C bond

Chemo-, regio-, diastereo-, and enantioselective
3,3’-Bithiophene-Based Chiral Bisphosphine Oxides as Organocatalysts in Silicon-Derived Lewis Acid Mediated Reactions

BITIPOPs FAMILY

Lewis base catalyzed Lewis acid mediated reactions

A Green, Scalable, One-Minute Synthesis of Benzimidazoles

Asymmetric Neber Reaction in the Synthesis of Chiral 2-(Tetrazol-5-yl)-2H-Azirines
Unintended Formation of a 26-Membered Cycle in the Course of a Novel Approach to Myricanol, a Strained [7,0]-Metacyclophane

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Semi-Industrial Fluorination of β-Keto Esters with SF₄: Safety vs Efficacy

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Synthesis of β-Lactams via Enantioselective Allylation of Anilines with Morita–Baylis–Hillman Carbonates

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**FAST Hydrogenations as a Continuous Platform for Green Aromatic Nitroreductions**

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**Rational Design of New Dihydrobenzooxophosphole-Based Lewis Base Organocatalysts**

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**Aminoxylation of Thioalkynes through Radical-Polar Crossover**

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Magnesium-Catalyzed N2-Regioselective Alkylation of 3-Substituted Pyrazoles

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Asymmetric Synthesis of 2,3,6-Trisubstituted Piperidines via Baylis–Hillman Adducts and Lithium Amide through Domino Reaction

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Metal-Free 1,2,3-Triazole Synthesis in Deep Eutectic Solvents

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Click Variations on the Synthesis of 2-Nitrophenyl-4-aryl-1,2,3-triazoles without Isolation of 2-Nitrophenyl Azides

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Click Variations on the Synthesis of 2-Nitrophenyl-4-aryl-1,2,3-triazoles without Isolation of 2-Nitrophenyl Azides

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Synthesis of Novel 1,2,3-Triazole-Dihydropyrimidinone Hybrids Using Multicomponent 1,3-Dipolar Cycloaddition (Click)–Biginelli Reactions: Anticancer Activity

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Synthesis of Novel 1,2,3-Triazole-Dihydropyrimidinone Hybrids Using Multicomponent 1,3-Dipolar Cycloaddition (Click)–Biginelli Reactions: Anticancer Activity

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Stereodivergent Metal-Catalyzed Allene Cycloisomerizations

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1,2,4-Triphenylpyrroles: Synthesis, Structure and Luminescence Properties

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