Recent Advances in Total Synthesis via Metathesis Reactions

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Haloferrocenes: Syntheses and Selected Reactions

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X = F, Cl, Br, I; n = 1–5
Recent Advances in the Applications of Triethylsilane in Organic Synthesis

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Synergistic Bimetallic Catalysis for Carboboration of Unsaturated Hydrocarbons

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Capturing Waste Heat Energy with Charge-Transfer Organic Thermoelectrics

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Recent Advances in Copper-Catalyzed Asymmetric Hydroboration of Electron-Deficient Alkenes: Methodologies and Mechanism

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Dehydrative Cross-Coupling of 1-Phenylethanol Catalysed by Palladium Nanoparticles Formed in situ Under Acidic Conditions

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Aerobic Allylation of Alcohols with Non-Activated Alkenes Enabled by Light-Driven Selenium-π-Acid Catalysis

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An Efficient One-Step Synthesis of Dihydroquinoline and Its Application as a Fluorescence Sensor for Selective Detection of Copper (II)

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Catalytic Pauson–Khand Reaction in Ethylene Glycol–Toluene: Activity, Selectivity, and Catalyst Recycling

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An Expedient Synthesis of Ketocalix[6]arene Hexamethyl Ether

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Electrophilic Activation of Carboxylic Anhydrides for Nucleophilic Acylation Reactions

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An Effective Heterogeneous Copper Catalyst System for C–N Coupling and Its Application in the Preparation of 2-Methyl-4-methoxydiphenylamine (MMDPA)

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Divergent Syntheses of Carbazole Alkaloids

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An Expeditious Synthesis of 1-Thiotrehalose

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D. Hazelard
P. Compain*
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Two-step synthesis  High stereoselective  Double thioglycosylation

A Simple Route to Benzo[b]xanthene-6,11,12-triones: Synthesis of Bikaverin

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mompain monomethyl ether
4,6-dimethoxy-α-toluialdehyde
bikaverin (41%)
4 other examples (total yield up to 48%)

Sulfonamides as Amine Component in the Petasis-Borono Mannich Reaction: A Concise Synthesis of α-Aryl- and α-Alkenylglycine Derivatives

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38 examples up to 98% yield  first application of sulfonamides in classic Petasis reaction