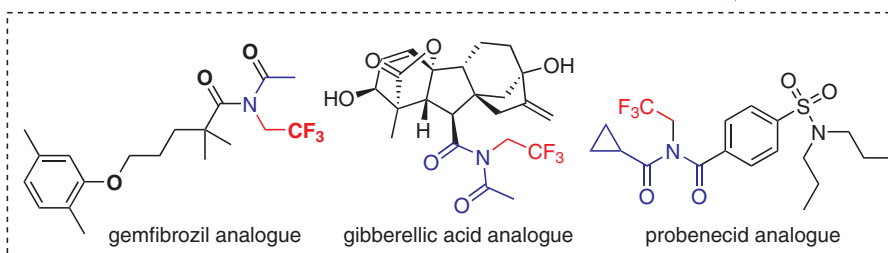


Synthesis

Reviews and Full Papers in Chemical Synthesis

March 2, 2021 • Vol. 53, 785–982

drug acids + $[\text{CF}_3\text{CHN}_2]$ + RCN $\xrightarrow{\text{late-stage transformation}}$
26 examples, up to 96%



Late-Stage Transformation of Carboxylic Acids to
N-Trifluoroethylimides with Trifluoromethyl Diazomethane

X.-F. Qiu, D.-Y. Liu, W.-F. Zhang, X.-G. Hu

5

Synthesis

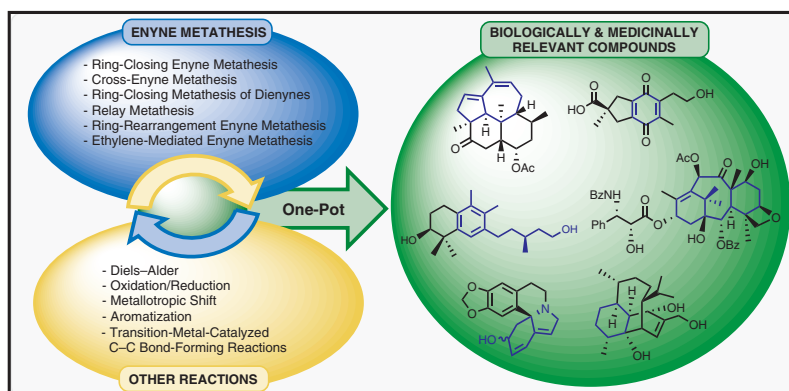
Synthesis 2021, 53, 785–804
DOI: 10.1055/s-0040-1705965

E. Bernardi
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Recent Advances in One-Pot Enyne Metathesis Processes for the Preparation of Biologically and Medicinally Relevant Compounds

Review

785



Synthesis

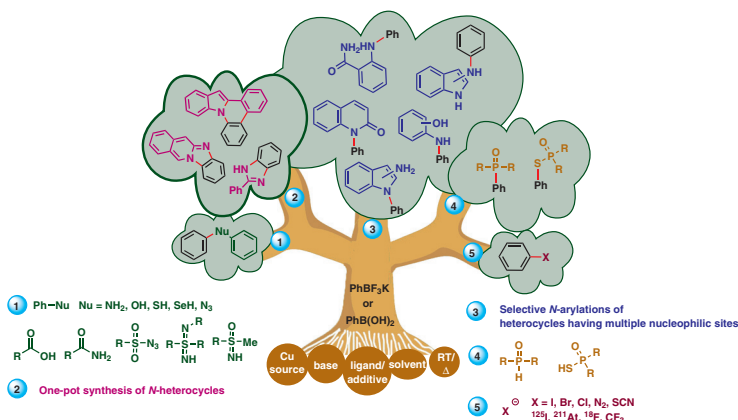
Synthesis 2021, 53, 805–847
DOI: 10.1055/s-0040-1705971

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Advances in Carbon–Element Bond Construction under Chan–Lam Cross-Coupling Conditions: A Second Decade

Review

805



Synthesis

Synthesis 2021, 53, 848–860
DOI: 10.1055/s-0040-1706570

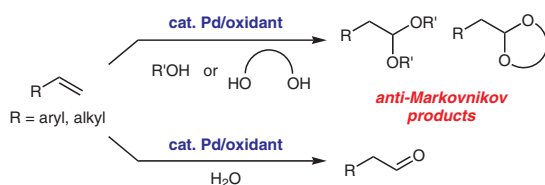
Y. Ura*

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Palladium-Catalyzed Anti-Markovnikov Oxidation of Aromatic and Aliphatic Alkenes to Terminal Acetals and Aldehydes

Short Review

848



Synthesis

Synthesis 2021, 53, 861–878
DOI: 10.1055/s-0040-1705966

S. Gao

L. Shi*

L. Chang

B. Wang

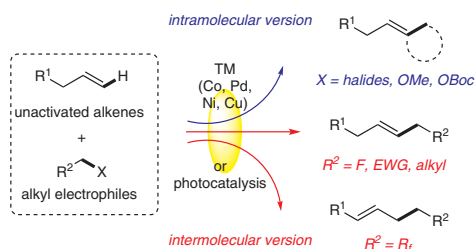
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Recent Developments in Heck-Type Reaction of Unactivated Alkenes and Alkyl Electrophiles

Short Review

861



Synthesis

Synthesis 2021, 53, 879–888
DOI: 10.1055/s-0040-1706085

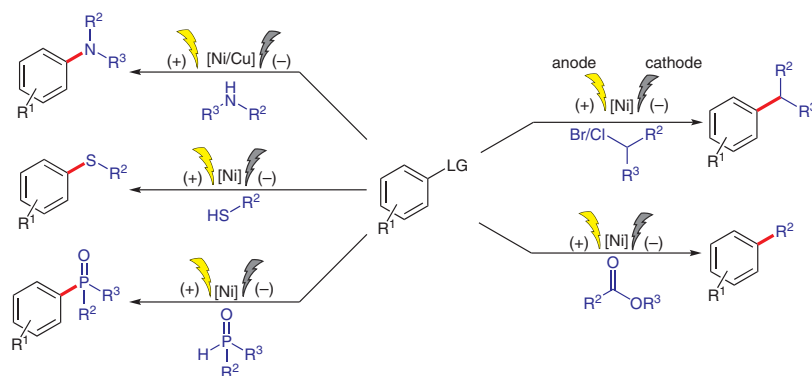
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Recent Advances in Metal-Catalyzed, Electrochemical Coupling Reactions of sp² Halides/Boronic Acids and sp³ Centers

Short Review

879



Synthesis

Synthesis **2021**, 53, 889–903
DOI: 10.1055/s-0040-1705969

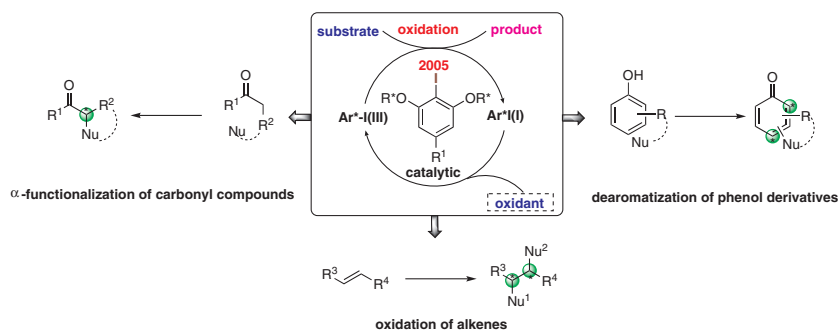
Y. Wang*
B. Yang
X.-X. Wu
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Recent Application of Chiral Aryliodine Based on the 2-Iodoresorcinol Core in Asymmetric Catalysis

Short Review

889



Synthesis

Synthesis **2021**, 53, 904–924
DOI: 10.1055/s-0040-1706073

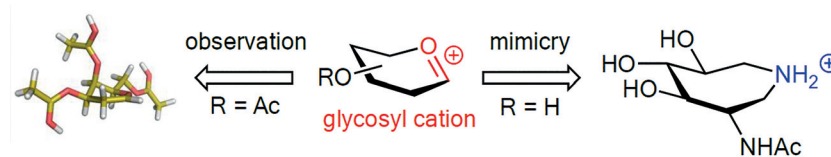
Y. Blériot*

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Contributing to the Study of Enzymatic and Chemical Glycosyl Transfer Through the Observation and Mimicry of Glycosyl Cations

Feature

904



Synthesis

Synthesis **2021**, 53, 925–932
DOI: 10.1055/s-0040-1706087

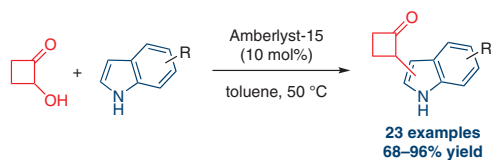
S. Porcu
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A Catalytic One-Pot Synthesis of Indolyl Cyclobutanones

Feature

925



Synthesis

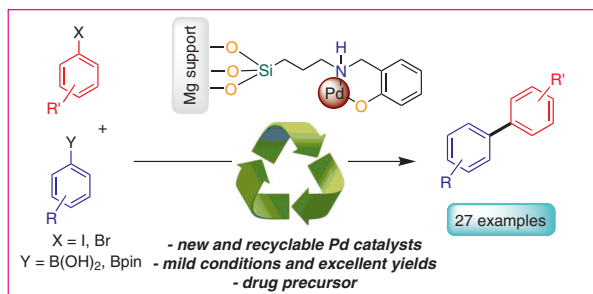
Synthesis 2021, 53, 933–942
DOI: 10.1055/s-0040-1705989

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Anchored Pd(0) Nanoparticles on Synthetic Talc for the Synthesis of Biaryls and a Precursor of Angiotensin II Inhibitors

Paper

933



Synthesis

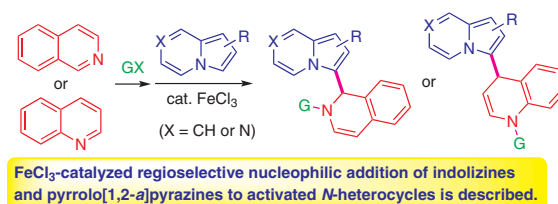
Synthesis 2021, 53, 943–953
DOI: 10.1055/s-0040-1705985

S. J. Kim
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Regioselective Functionalization of *N*-Fused Heteroaromatics via FeCl₃-Catalyzed Nucleophilic Addition to Activated *N*-Heterocycles

Paper

943



Synthesis

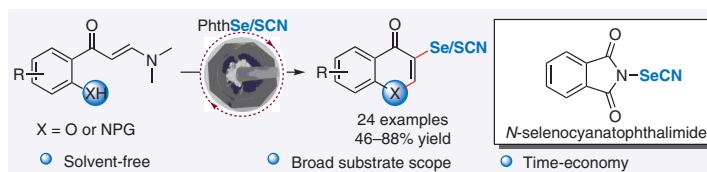
Synthesis 2021, 53, 954–960
DOI: 10.1055/s-0040-1707315

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Straightforward Synthesis of 3-Selenocyanato-Substituted Chromones through Electrophilic Selenocyanation of Enaminones under Grinding Conditions

Paper

954



Synthesis

Synthesis 2021, 53, 961–970
DOI: 10.1055/a-1339-3227

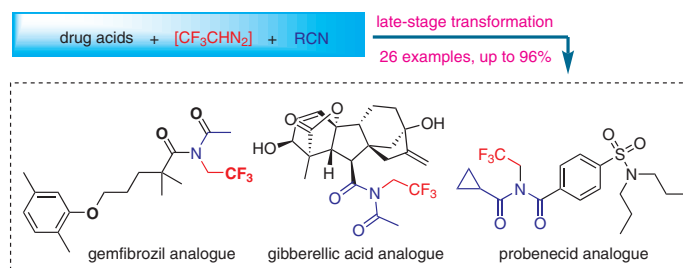
X.-F. Qiu
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Late-Stage Transformation of Carboxylic Acids to *N*-Trifluoroethylimides with Trifluoromethyl Diazomethane

Paper

961



Synthesis

Synthesis 2021, 53, 971–977
DOI: 10.1055/s-0040-1706104

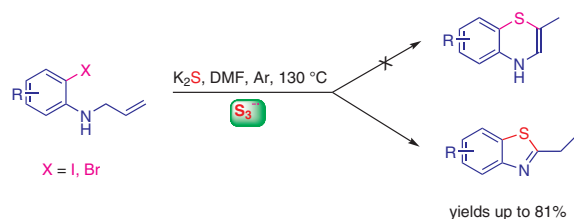
X.-Y. Liu
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Insertion Reaction of 2-Halo-*N*-allylanilines with K_2S Involving Trisulfur Radical Anion: Synthesis of Benzothiazole Derivatives under Transition-Metal-Free Conditions

Paper

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Synthesis

Synthesis 2021, 53, 978–982
DOI: 10.1055/a-1351-2370

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A Facile Total Synthesis of Mubritinib

Paper

978

