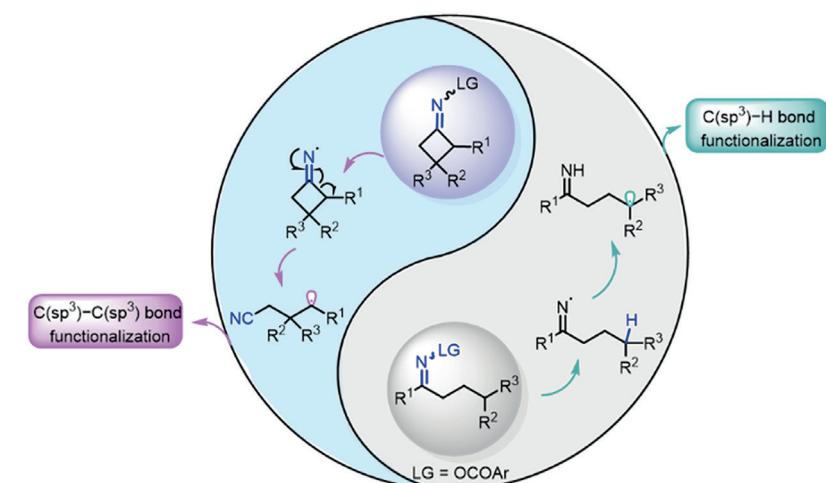


Synthesis

Reviews and Full Papers in Chemical Synthesis

December 1, 2021 • Vol. 53, 4313–4526



Recent Advance in Iminyl Radical Triggered C–H and C–C Bond Functionalization of Oxime Esters via 1,5-HAT and β -Carbon Scission

L. Liu, X.-H. Duan, L.-N. Guo

23

 Thieme

Synthesis

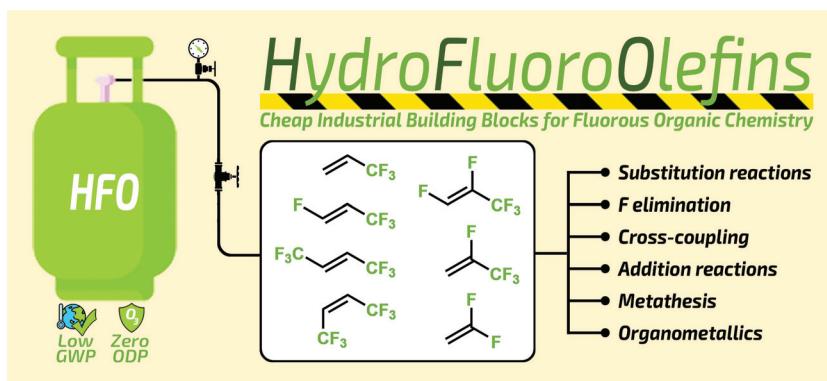
Synthesis 2021, 53, 4313–4326
DOI: 10.1055/a-1538-8344

B. Varga
J. T. Csenki
B. L. Tóth
F. Béke
Z. Novák*
A. Kotschy*
Eötvös Loránd University,
Hungary
Servier Research Institute of Me-
dicinal Chemistry, Hungary

Application of Industrially Relevant HydroFluoroOlefin (HFO) Gases in Organic Syntheses

Short Review

4313



Synthesis

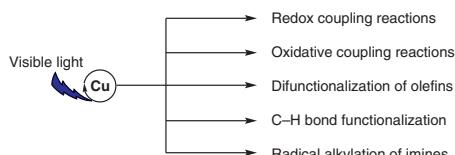
Synthesis 2021, 53, 4327–4340
DOI: 10.1055/a-1533-3597

Y. Xiong
S. Li
H. Xiao
G. Zhang*
Central China Normal University
(CCNU), P. R. of China
Shanghai Institute of Organic
Chemistry, P. R. of China

Recent Advances in Visible-Light-Promoted Copper Catalysis in Organic Reactions

Short Review

4327



Synthesis

Synthesis 2021, 53, 4341–4352
DOI: 10.1055/a-1533-3085

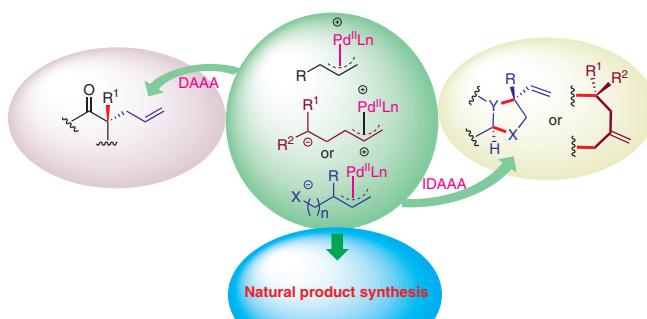
Recent Advances in the Construction of Quaternary Stereocenters via Palladium-Catalyzed Decarboxylative Asymmetric Allylic Alkylation**Short Review**

4341

X. Yu
T. Zhang
J. Liu*

X. Li*

Shandong University,
P. R. of China
Suzhou Institute of Shandong
University, P. R. of China

**Synthesis**

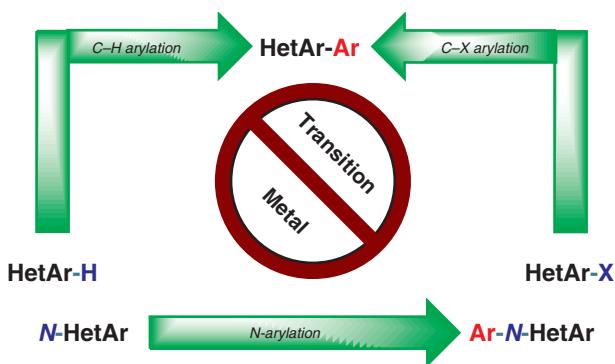
Synthesis 2021, 53, 4353–4374
DOI: 10.1055/a-1543-3743

Recent Advances in the Transition-Metal-Free Arylation of Heteroarenes**Short Review**

4353

S. Uçar*
A. Daştan*

Atatürk University, Turkey

**Synthesis**

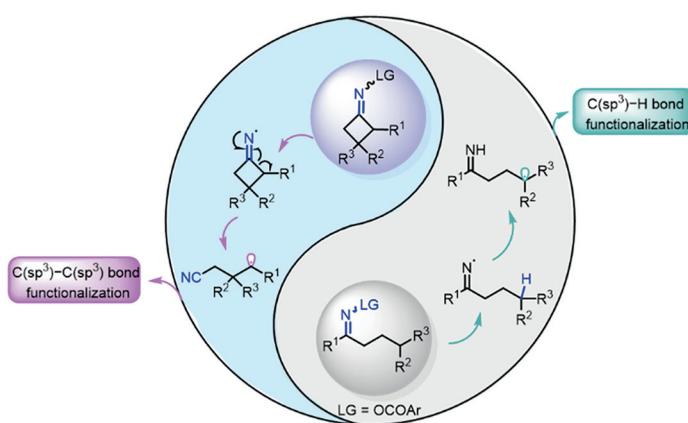
Synthesis 2021, 53, 4375–4388
DOI: 10.1055/a-1545-6874

Recent Advance in Iminyl Radical Triggered C–H and C–C Bond Functionalization of Oxime Esters via 1,5-HAT and β -Carbon Scission**Short Review**

4375

L. Liu
X.-H. Duan
L.-N. Guo*

Xi'an Jiaotong University,
P. R. of China



Synthesis 2021, 53, 4389–4408
DOI: 10.1055/a-1543-9719

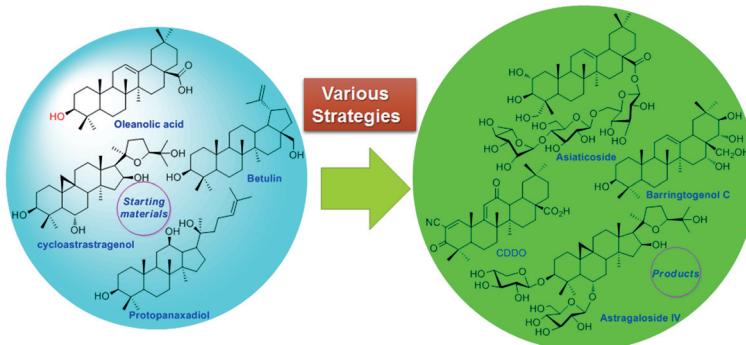
J.-X. Liao*

Z.-N. Hu

H. Liu

J.-S. Sun*

Jiangxi Normal University,
P. R. of China



Synthesis 2021, 53, 4409–4418
DOI: 10.1055/a-1549-1082

W.-C. Jeng

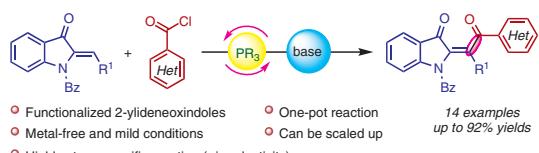
P.-C. Chien

S. S. Vagh

A. Edukondalu

W. Lin*

National Taiwan Normal University,
Taiwan, R. O. C.



Synthesis 2021, 53, 4419–4427
DOI: 10.1055/a-1543-3924

C. Russo

R. Cannalire

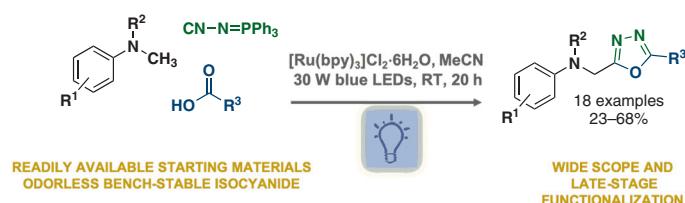
P. Luciano

F. Brunelli

G. C. Tron

M. Giustiniano*

University of Naples Federico II,
Italy

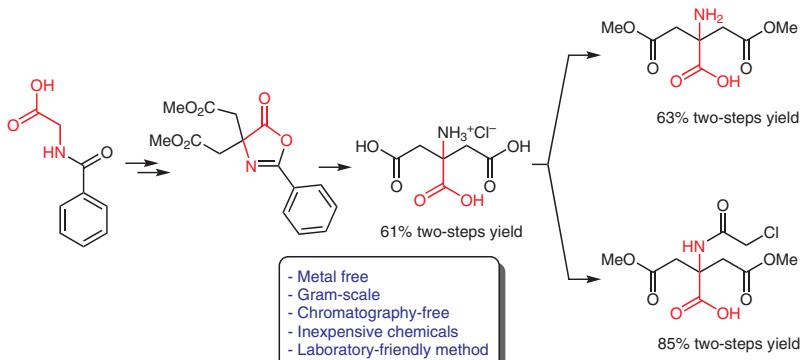


A. V. Nizovtsev*

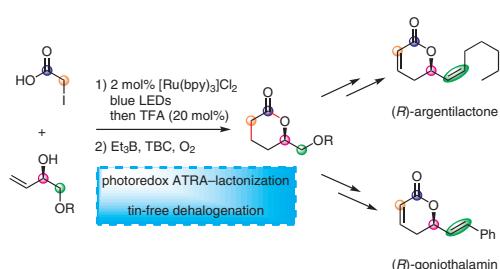
N. V. Bovin

Shemyakin-Ovchinnikov Institute of Biorganic Chemistry,
Russian Federation

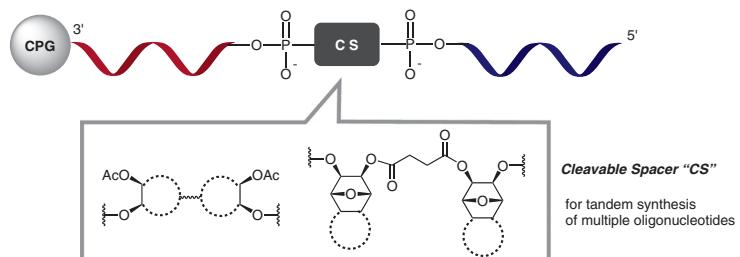
A Facile Synthesis of 2-Aminopropane-1,2,3-tricarboxylic Acid and Its Symmetrical Dimethyl Ester

F. J. Fuentes-Pantoja
A. Cordero-Vargas*

Universidad Nacional Autónoma de México, Mexico

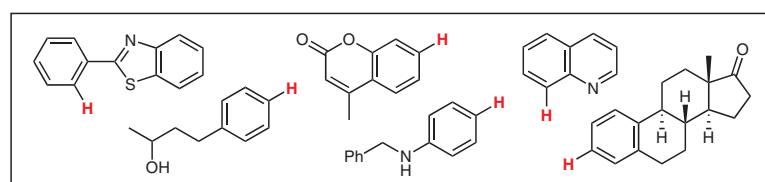
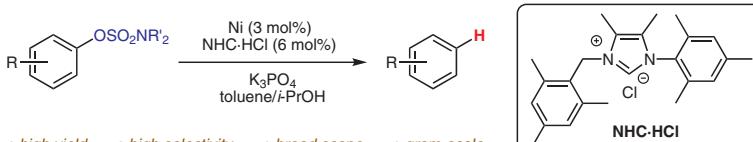
Total Synthesis of (*R*)-Argentilactone and (*R*)-Goniothalamin Using a Free-Radical Photoredox Approach to α,β -Unsaturated δ -Lactones

New Cleavable Spacers for Tandem Synthesis of Multiple Oligonucleotides

K. Yamamoto
Y. Fuchi
M. Okabe
T. Osawa
Y. Ito
Y. Hari*
Tokushima Bunri University,
Japan

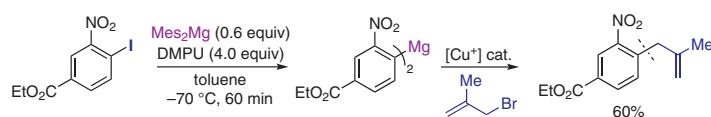
K. Matsuo
M. Kuriyama*
K. Yamamoto
Y. Demizu
K. Nishida
O. Onomura*

Nagasaki University, Japan



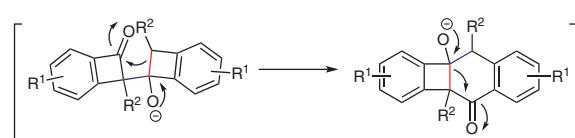
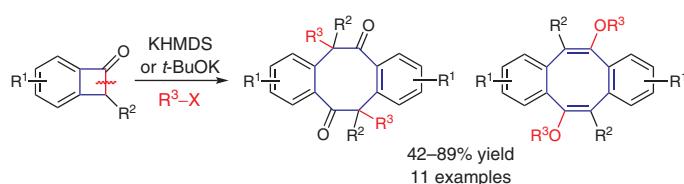
A. Desaintjean
F. Danton
P. Knochel*

Ludwig-Maximilians-Universität,
Germany



Y. Huang
J. Chen
Y. Liu*
P. Lu*

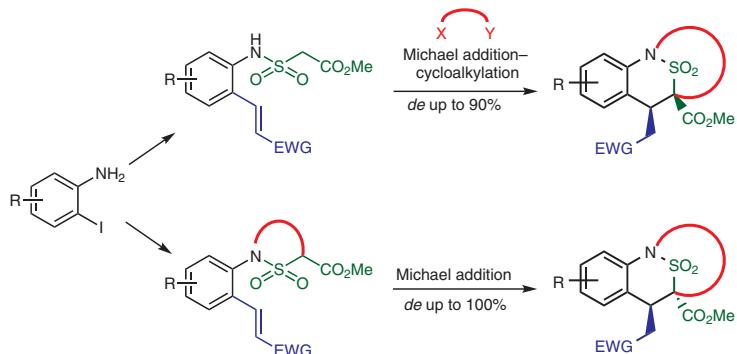
Changchun University of Technology, P. R. of China
Fudan University, P. R. of China



Synthesis 2021, 53, 4484–4494
DOI: 10.1055/a-1531-2176

A. A. Klochkova
V. A. Rassadin
V. V. Sokolov*

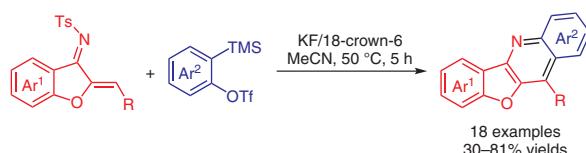
Saint Petersburg State University,
Russian Federation



Synthesis 2021, 53, 4495–4500
DOI: 10.1055/a-1550-3451

Q. Wang
Y. Wang
S.-K. Tian*

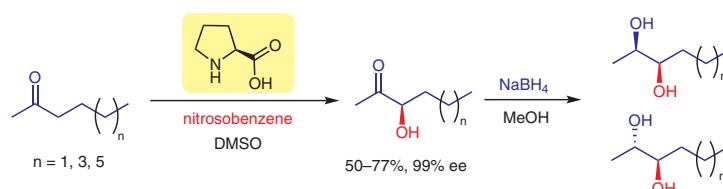
University of Science and Technology of China, P. R. of China



Synthesis 2021, 53, 4501–4506
DOI: 10.1055/a-1541-4939

H. do Carmo
M. E. Amorós
A. González
V. L. Heguaburu*

Universidad de la República,
Uruguay

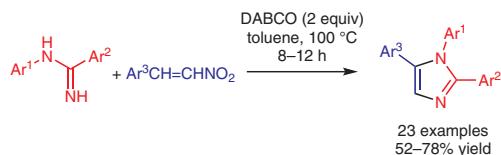


Y. Zhang

X. Wan

J. Gan

C. Wang*

Yangzhou University,
P. R. of China

N. Luo

H. Shui

Y. Zhong

J. Huang

R. Luo*

Gannan Medical University,
P. R. of China