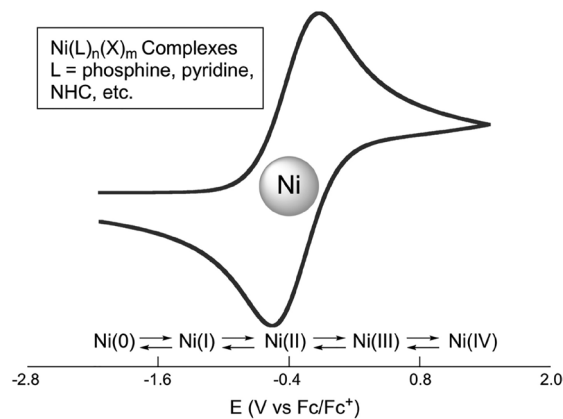


Cluster

Modern Nickel-Catalyzed Reactions (Part II)

Editor: Ruben Martin, Guest Editor: Gary A. Molander



Experimental Electrochemical Potentials of Nickel Complexes

Q. Lin, G. Dawson, T. Diau

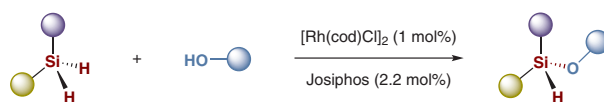
Synlett

Synlett 2021, 32, 1575–1580
DOI: 10.1055/a-1503-7976

J. Zhu
C. He*

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

Catalytic Enantioselective Synthesis of Silicon-Stereogenic Alkoxy- silanes and Siloxanes



- up to 99% ee
- broad scope
- novel Si-stereogenic siloxanes
- ambient conditions
- atom economy
- readily available starting materials

Synfacts

1575

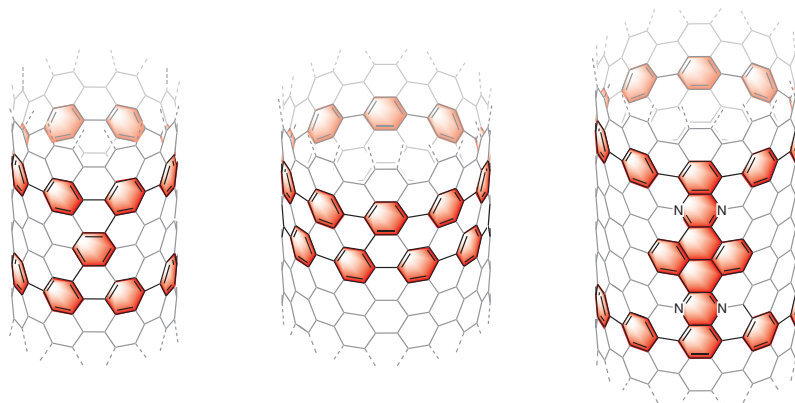
Synlett

Synlett 2021, 32, 1581–1587
DOI: 10.1055/a-1534-3103

K. Li
Z. Sun*

Tianjin University, P. R. of China

Recent Advances in Dimeric Cycloparaphenylenes as Nanotube Frag- ments



Synfacts

1581

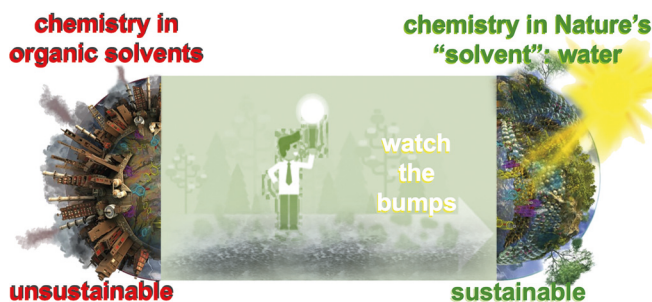
Synlett

Synlett 2021, 32, 1588–1605
DOI: 10.1055/s-0040-1706027B. H. Lipshutz*
University of California, USA

Illuminating a Path for Organic Synthesis Towards Sustainability. No One Said It Would Be Easy...

Account

1588



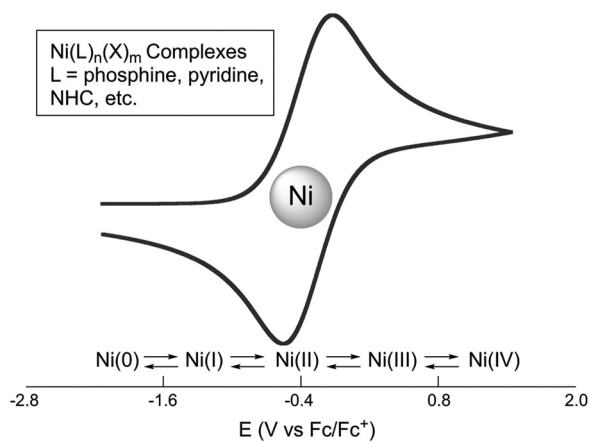
Synlett

Synlett 2021, 32, 1606–1620
DOI: 10.1055/s-0040-1719829Q. Lin
G. Dawson
T. Diao*
New York University, USA

Experimental Electrochemical Potentials of Nickel Complexes

New Tools

1606

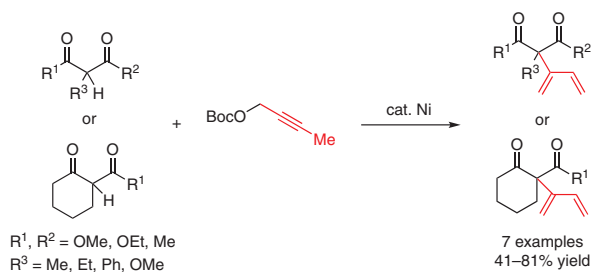


Synlett

Synlett 2021, 32, 1621–1624
DOI: 10.1055/a-1282-9731N. Ishida*
Y. Kamino
M. Murakami*
Kyoto University, JapanNickel-Catalyzed α -1,3-Dienylation of 1,3-Dicarbonyl Compounds with Propargylic Carbonates

Cluster

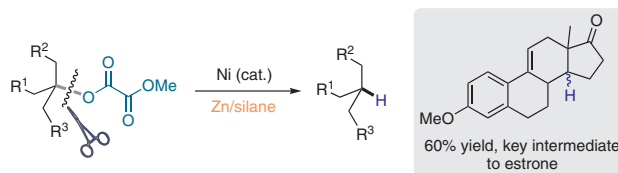
1621



Synlett

Zn-Mediated Hydrodeoxygenation of Tertiary Alkyl Oxalates

Cluster

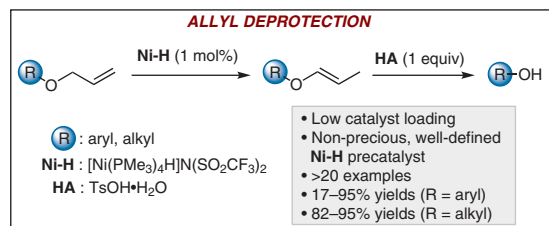
Synlett 2021, 32, 1625–1628
DOI: 10.1055/a-1328-0352Y. Ye
G. Ma
K. Yao
H. Gong*Shanghai University, P. R. of
China

1625

Synlett

Nickel Hydride Catalyzed Cleavage of Allyl Ethers Induced by Isomerization

Cluster

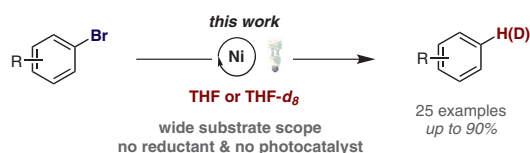
Synlett 2021, 32, 1629–1632
DOI: 10.1055/s-0040-1706683P. M. Kathe
A. Berkefeld*
I. Fleischer*Eberhard Karls University Tübingen,
Germany

1629

Synlett

Nickel-Catalyzed Photodehalogenation of Aryl Bromides

Cluster

Synlett 2021, 32, 1633–1636
DOI: 10.1055/a-1457-2399B. Higginson
J. Sanjosé-Orduna
Y. Gu
R. Martin*Institute of Chemical Research of
Catalonia (ICIQ), Spain

1633

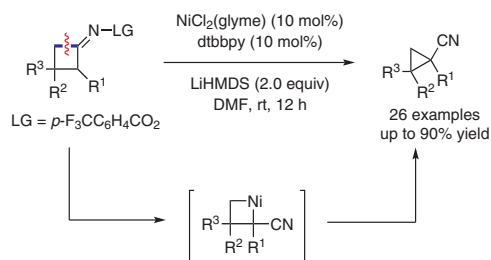
Synlett

Synlett 2021, 32, 1637–1641
DOI: 10.1055/s-0039-1690872B. Shuai
P. Fang*
T.-S. Mei*Shanghai Institute of Organic
Chemistry, P. R. of China

Nickel-Catalyzed Favorskii-Type Rearrangement of Cyclobutanone Oxime Esters to Cyclopropanecarbonitriles

Cluster

1637

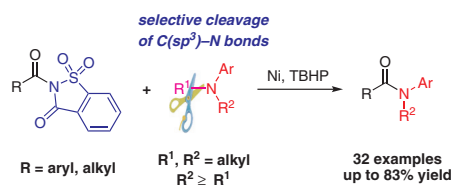


Synlett

Synlett 2021, 32, 1642–1646
DOI: 10.1055/a-1517-5895S. Liu
L. Yang
J. Tao
W. Yu
T. Wang*
J. Fu*Jiangxi Normal University, P. R.
of ChinaNickel-Catalyzed Oxidative Transamidation of Tertiary Aromatic Amines with *N*-Acylsaccharins

Cluster

1642



Synlett

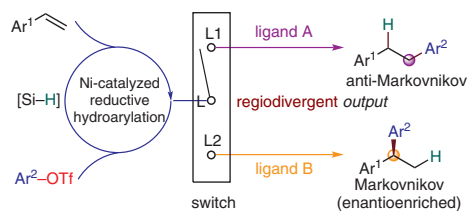
Synlett 2021, 32, 1647–1651
DOI: 10.1055/a-1523-3228Y. Xue
J. Chen
P. Song
Y. He*
S. Zhu*

Nanjing University, P. R. of China

Nickel-Catalyzed Regiodivergent Reductive Hydroarylation of Styrenes

Cluster

1647



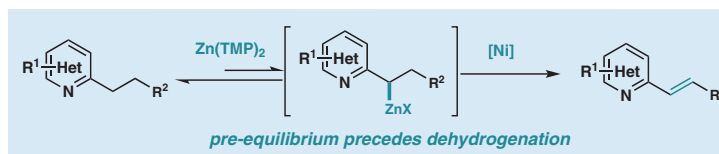
Synlett

Synlett 2021, 32, 1652–1656
DOI: 10.1055/s-0040-1720446P. Zhang
R. L. Cantrell
T. R. Newhouse*
Yale University, USA

Role of Benzylic Deprotonation in Nickel-Catalyzed Benzylic Dehydrogenation

Cluster

1652



Synlett

Synlett 2021, 32, 1657–1661
DOI: 10.1055/a-1608-5693Y. Li*
G. Yin*
Central South University, P. R. of China
Wuhan University, P. R. of ChinaBathocuproine-Enabled Nickel-Catalyzed Selective Ullmann Cross-Coupling of Two sp^2 -Hybridized Organohalides

Cluster

1657



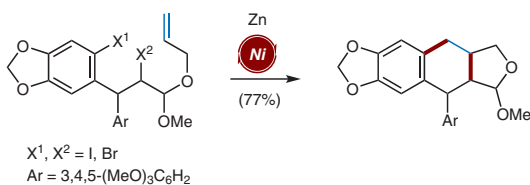
- Ligand-Enabled, Good to Excellent Cross-Selectivity
- Mild Reaction Conditions, Remarkable Functional Group Tolerance

Synlett

Synlett 2021, 32, 1662–1664
DOI: 10.1055/s-0040-1707188J. Xiao
Y.-W. Wang
Z.-P. Qiu*
Y. Peng*
Southwest Jiaotong University,
P. R. of China
Lanzhou University, P. R. of
ChinaNi-Catalyzed Intramolecular Reductive 1,2-Dicarbonylation of Alkene: Facile Access to *Podophyllum* Lignans Core

Cluster

1662



Synlett

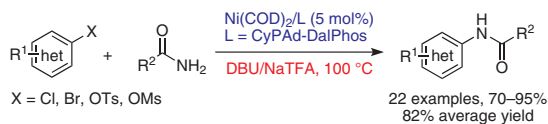
Synlett 2021, 32, 1665–1669
DOI: 10.1055/a-1337-6459T. Lundrigan
J. P. Tassone
M. Stradiotto*

Dalhousie University, Canada

Nickel-Catalyzed *N*-Arylation of Amides with (Hetero)aryl Electrophiles by Using a DBU/NaTFA Dual-Base System

Cluster

1665



Synlett

Synlett 2021, 32, 1670–1674
DOI: 10.1055/a-1379-1584S. Wei
Y. Mao*
S.-L. Shi*Shanghai University of Engineering Science, P. R. of China
Shanghai Institute of Organic Chemistry, P. R. of China

Nickel-Catalyzed Ligand-Free Hiyama Coupling of Aryl Bromides and Vinyltrimethoxysilane

Cluster

1670

