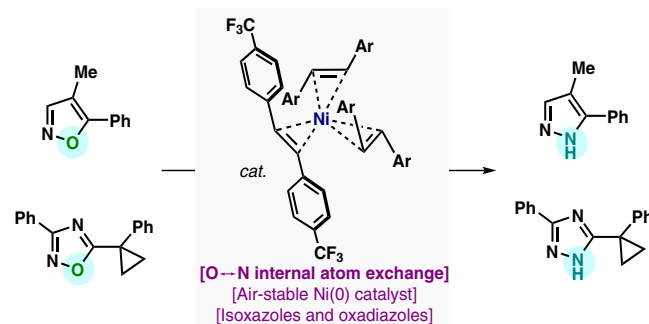


Special Issue

Chemical Synthesis and Catalysis in Germany

Editor: Benjamin List



Internal Atom Exchange in Oxazole Rings: A Blueprint for Azole Scaffold Evaluation

D. Spinnato, M. Leutzsch, F. Wang, J. Cornella

Synlett

Synlett 2024, 35, 941–951
DOI: 10.1055/a-2188-1842

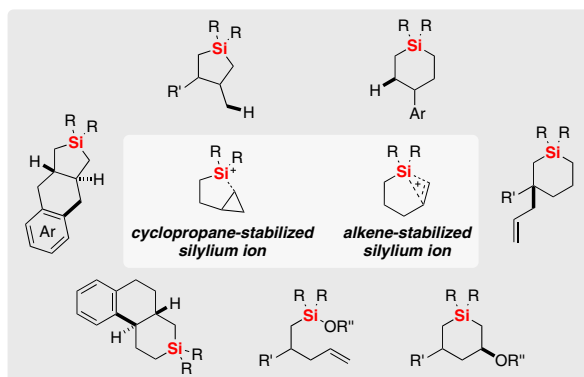
P.-W. Long
T. He
H. F. T. Klare*
M. Oestreich*

Technische Universität Berlin,
Germany

Skeletal Rearrangements Involving Cyclopropyl- and Alkene-Stabilized Silylium Ions

Cluster Account

941



Synlett

Synlett 2024, 35, 952–956
DOI: 10.1055/a-2201-7141

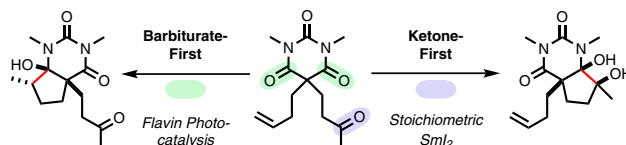
R. Foja
A. Walter
G. Storch*

Technical University of Munich
(TUM), Germany

Chemoselective Reduction of Barbiturates by Photochemically Excited Flavin Catalysts

Cluster

952



Synlett

Catalytic C–H Functionalization of Trimethylamine

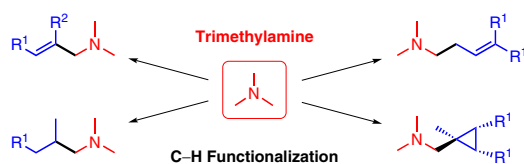
Cluster

957

Synlett 2024, 35, 957–962
DOI: 10.1055/a-2179-6032

D. Geik
A. Büker
F. Fornfeist
M. Schmidtman
S. Doye*

Universität Oldenburg, Germany



Synlett

Electrocatalytic Synthesis of 1,2-Dioxolanes from Tetrasubstituted Donor–Acceptor Cyclopropanes

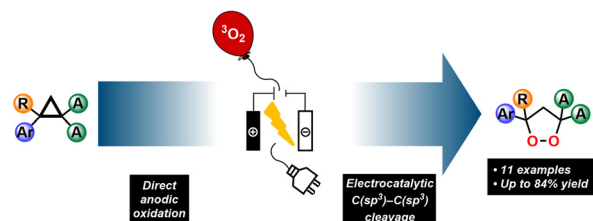
Cluster

963

Synlett 2024, 35, 963–966
DOI: 10.1055/a-2179-6320

G. A. Oliver
S. Kolb
D. B. Werz*

Albert-Ludwigs-Universität
Freiburg, Germany



Synlett

Aromatic Amine Catalysts for the O₂-Mediated Cross-Dehydrogenative Phenothiazination Reaction?

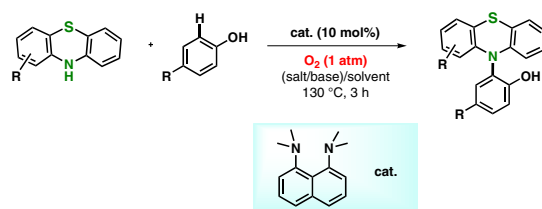
Cluster

967

Synlett 2024, 35, 967–972
DOI: 10.1055/a-2225-8736

S. Nandi
A. Paffen
F. W. Patureau*

RWTH Aachen University, Ger-
many

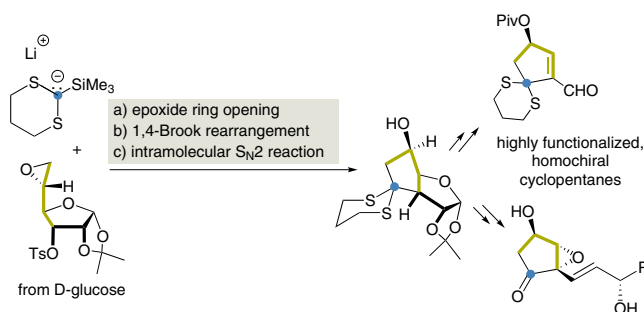


Synlett

[4+1] Cyclizations to Enantiopure Multifunctional Cyclopentanes from D-Glucose Using Formyl Dianion Synthons

Cluster

973

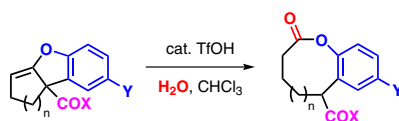
Synlett 2024, 35, 973–978
DOI: 10.1055/a-2201-3861S. Oelze
N. Bräuer
T. Michel
E. Schaumann*
A. Kirschning*Leibniz University Hannover,
Germany
Clausthal University of Technology,
Germany

Synlett

Ring Transformation of Annulated Benzofuran Derivatives to Medium-Sized Lactones

Cluster

979

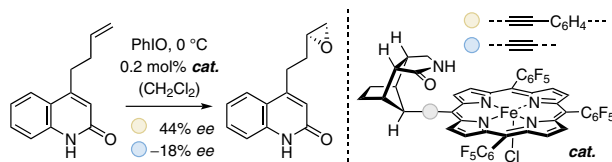
Synlett 2024, 35, 979–982
DOI: 10.1055/a-2192-4044L. Fliegel
J. Krauß
J. Christoffers*Carl von Ossietzky-Universität
Oldenburg, Germany

Synlett

Remote Enantioselective Epoxidation Reactions Catalyzed by Chiral Iron Porphyrin Complexes with a Hydrogen-Bonding Site

Cluster

983

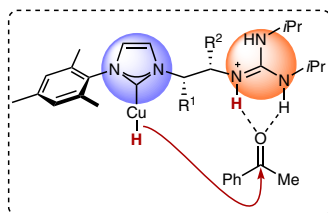
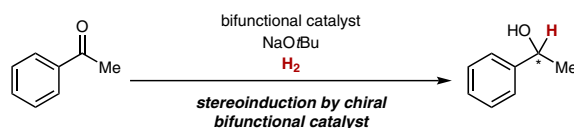
Synlett 2024, 35, 983–988
DOI: 10.1055/s-0042-1751527H. Ahmed
A. Pöthig
K.-N. Truong
T. Bach*Technische Universität
München, Germany

Synlett

Chiral Bifunctional NHC–Guanidine Ligands for Asymmetric Hydrogenation

Synlett 2024, 35, 989–992
DOI: 10.1055/s-0043-1763652M. Gorai
J. F. Teichert*

Technische Universität Chemnitz, Germany

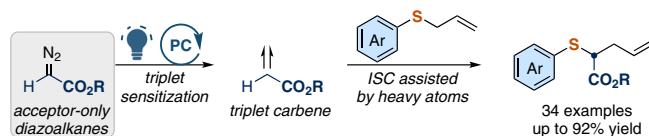


Synlett

Photocatalytic [2,3]-Sigmatropic Rearrangement Reactions of Ethyl Diazoacetate

Cluster

993

Synlett 2024, 35, 993–996
DOI: 10.1055/a-2201-7197K. M. Bopape
A. Shah
R. M. Koenigs*RWTH Aachen University,
Germany

Synlett

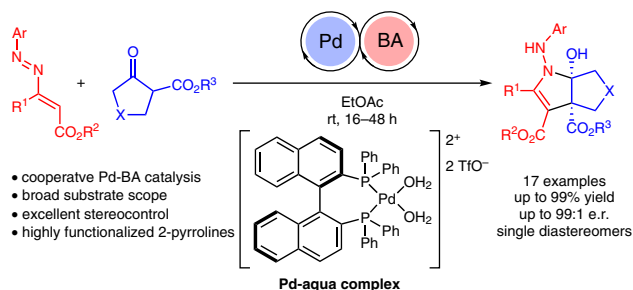
Enantioselective (3+2)-Annulation of β -Keto Esters with Azoalkenes towards Bicyclic Dihydropyrroles via Cooperative Palladium and Brønsted Acid Catalysis

Cluster

997

Synlett 2024, 35, 997–1000
DOI: 10.1055/a-2210-0973T. Friedmann
D. A. Mireles-Chávez
F. L. Walter
C. Schneider*

Universität Leipzig, Germany



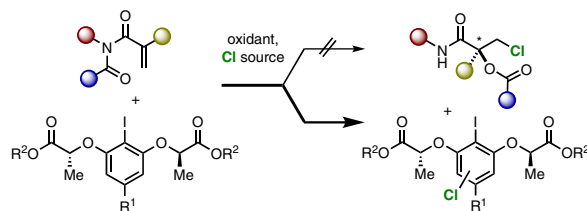
- cooperative Pd-BA catalysis
- broad substrate scope
- excellent stereocontrol
- highly functionalized 2-pyrrolines

Synlett

Alkene versus Aryl Chlorination in Asymmetric Hypervalent Iodine Catalysis: A Case Study

Cluster

1001

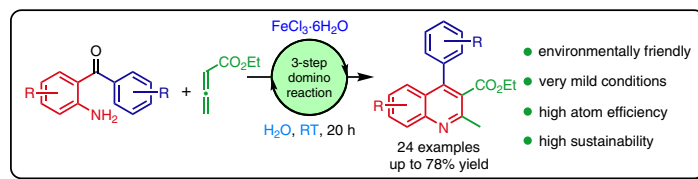
Synlett 2024, 35, 1001–1006
DOI: 10.1055/a-2201-7326A. M. Arnold
J. Binder
M. Kretzschmar
T. Gulder*Leipzig University, Germany
Technical University of Munich,
Germany

Synlett

Synthesis of New Highly Functionalized Quinolines via a Novel Fe^{III} -Catalyzed Domino aza-Michael/Aldol/Aromatization Reaction

Cluster

1007

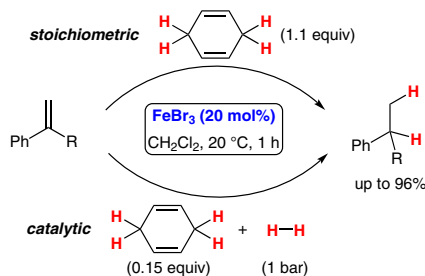
Synlett 2024, 35, 1007–1010
DOI: 10.1055/s-0042-1751546F. Heckmann
M. M. Ibrahim
F. Hampel
S. B. Tsogoeva*Friedrich-Alexander-Universität
Erlangen-Nürnberg, Germany

Synlett

The FeBr_3 -Catalyzed Transfer Hydrogenation of Styrene Derivatives under Mild Reaction Conditions

Cluster

1011

Synlett 2024, 35, 1011–1014
DOI: 10.1055/s-0042-1751572S. Kail
G. Hilt*Carl von Ossietzky Universität
Oldenburg, Germany

Synlett

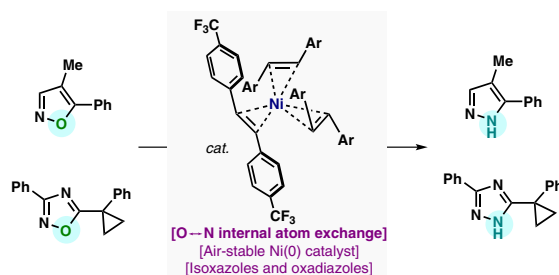
Internal Atom Exchange in Oxazole Rings: A Blueprint for Azole Scaffold Evaluation

Cluster

1015

Synlett 2024, 35, 1015–1018
DOI: 10.1055/a-2201-9285D. Spinnato
M. Leutzsch
F. Wang
J. Cornella*

Max-Planck-Institut für Kohlenforschung, Germany



Synlett

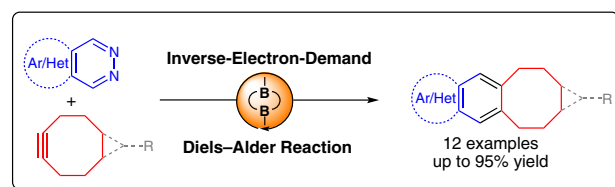
Bidentate Lewis Acid-Catalyzed Inverse Electron-Demand Diels–Alder Reaction of Phthalazines and Cyclooctynes

Cluster

1019

Synlett 2024, 35, 1019–1022
DOI: 10.1055/a-2204-9522M. Große
H. A. Wegner*

Justus Liebig University, Germany



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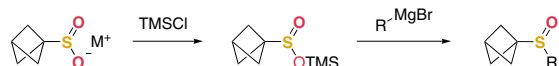
A Novel Route towards Bicyclo[1.1.1]pentane Sulfoxides from a Bench-Stable Starting Material

Cluster

1023

Synlett 2024, 35, 1023–1027
DOI: 10.1055/a-2210-0893L. S. Langer
M. Stahlberger
R. M. Bär
S. Bräse*

Karlsruhe Institute of Technology (KIT), Germany



- ✓ 10 examples, R = aryl, alkyl
 - ✓ one-pot method
 - ✓ bench-stable BCP precursor
- } facile access to BCP sulfoxides

Synlett

Synlett 2024, 35, 1028–1032
DOI: 10.1055/s-0043-1763625

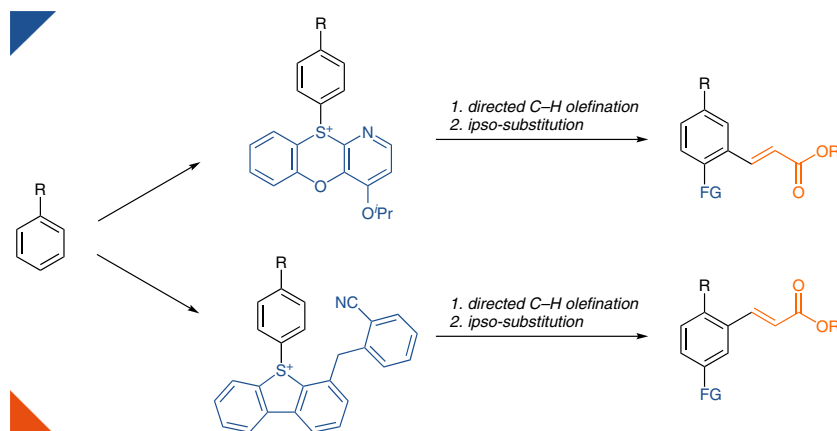
A. Hamad
M. Mrozowicz
Y. Xie
T. Ritter*

Max-Planck-Institut für Kohlenforschung, Germany

Regioselective Double C–H Functionalization of Arenes via Aryl Thianthrenium Salt Analogues

Cluster

1028



Synlett

Synlett 2024, 35, 1033–1041
DOI: 10.1055/a-2236-8949

M. Stahlberger
M. Mergel
J. M. dos Santos
T. Matulaitis
M. Nieger
E. Zysman-Colman*
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Karlsruhe Institute of Technology (KIT), Germany
University of St Andrews, UK

Design of Imidazo[1,2-*a*]pyridine-Based Donor–Acceptor Chromophores through a Multicomponent Approach

Cluster

1033



Synlett

Synlett 2024, 35, 1042–1046
DOI: 10.1055/a-2219-6830

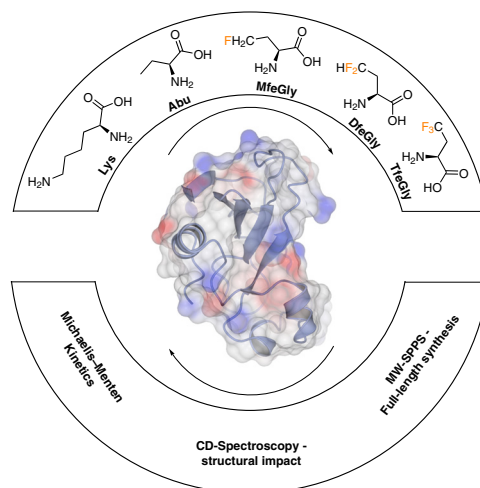
A. Langhans
M. Krummhaar
C. Roth
B. Kokschr*

Freie Universität Berlin, Germany

Catalytically Competent Fluorinated Barnase Variants

Cluster

1042



Synlett

Visible-Light-Mediated Selective Allylic C–H Oxygenation of Cycloalkenes

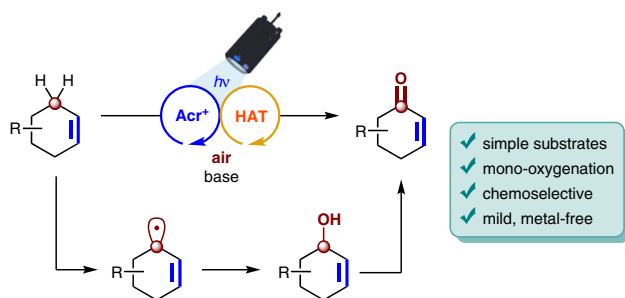
Cluster

Synlett 2024, 35, 1047–1051
DOI: 10.1055/a-2219-6907

1047

T. Rohlfs
L. Gerken
J. L. Nova-Fernández
S. Malagón
M. Uygur
S. Cabrera
J. Alemán*
O. G. Mancheño*

University of Münster, Germany
Universidad Autónoma de Madrid, Spain



Synlett

Organocatalytic, Chemoselective, and Stereospecific House–Meinwald Rearrangement of Trisubstituted Epoxides

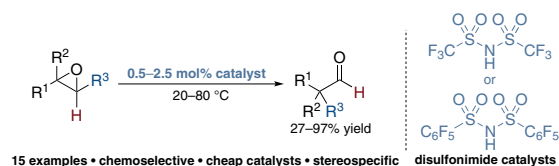
Cluster

Synlett 2024, 35, 1052–1056
DOI: 10.1055/a-2216-4710

1052

F. Dressler
V. Öhler
C. Topp
P. R. Schreiner*

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Synlett

Chemoselective Vicinal Dichlorination of Alkenes by Iron Ligand-to-Metal Charge-Transfer Catalysis

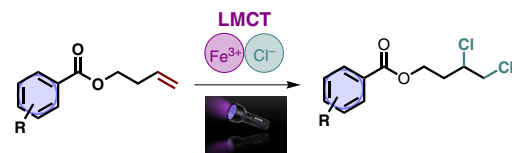
Cluster

Synlett 2024, 35, 1057–1061
DOI: 10.1055/a-2225-8858

1057

J. Stahl
T. Reiter
B. König*

University of Regensburg, Germany



- ✓ cheap and commercially available iron(III) salt and LiCl as chlorine radical precursor
- ✓ short reaction time
- ✓ mild conditions

B. Baumert
H. Terholsen
C. Cziegler
I. Thier
C. P. S. Badenhorst
K. Siems
U. T. Bornscheuer*

University of Greifswald, Germany

