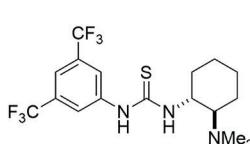


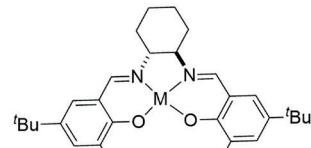
Synthesis

Reviews and Full Papers in Chemical Synthesis

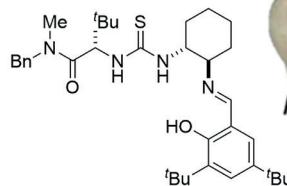
September 17, 2024 • Vol. 56, 2747–2932



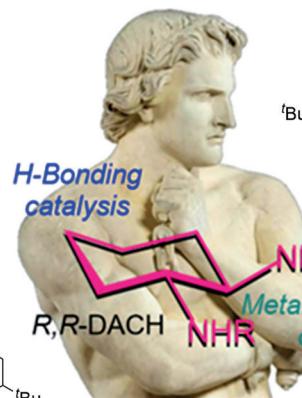
Takemoto organocatalyst



Jacobsen catalyst
M = Al, Mn, Fe, Cr, Ru, Co



Jacobsen organocatalyst

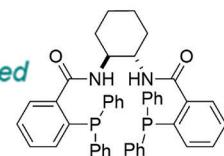


H-Bonding
catalysis

R,R-DACH

NHR

Metal-coordinated
catalysis



Trost ligand

1,2-trans-Diaminocyclohexane (DACH) in Asymmetric Catalysis:
Nearing Fifty Years of Faithful Service and Counting

A. Mishra, S. Hanessian

18



Thieme

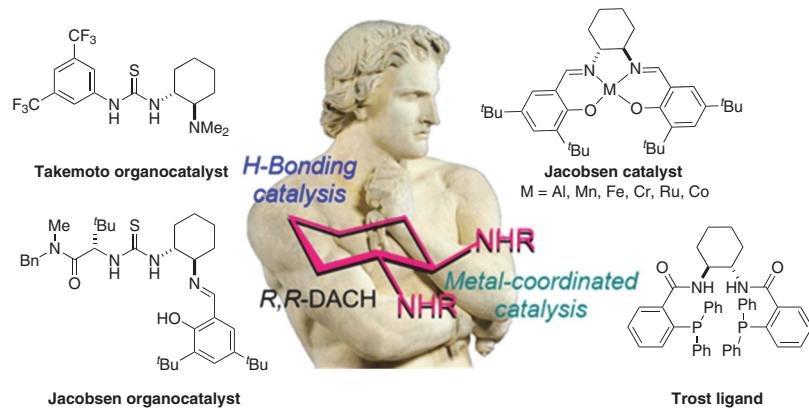
Synthesis

Synthesis 2024, 56, 2747–2885
DOI: 10.1055/s-0042-1751582

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**1,2-trans-Diaminocyclohexane (DACH) in Asymmetric Catalysis:
Nearing Fifty Years of Faithful Service and Counting**

Review
2747



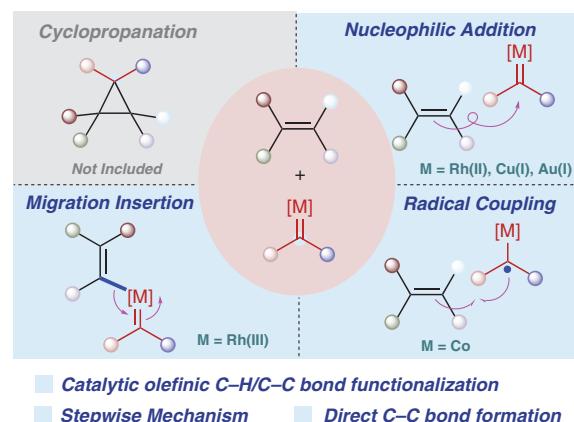
Synthesis

Synthesis 2024, 56, 2886–2898
DOI: 10.1055/a-2302-5824

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S. Dong
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P. R. of China

**Stepwise Carbene Transfer Reaction with Alkenes beyond
Cyclopropanation**

Short Review
2886



Synthesis

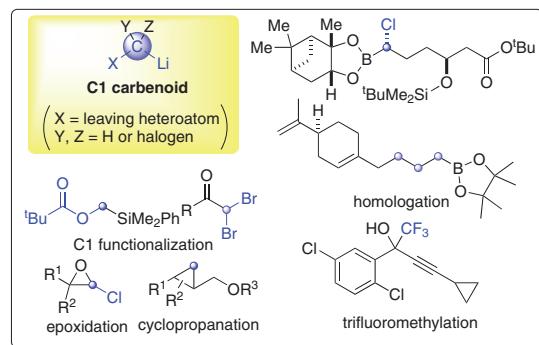
Synthesis 2024, 56, 2899–2908
DOI: 10.1055/a-2302-5363

Flow Chemistry of Metal Carbenoid Species towards Selective Organic Synthesis**Short Review**

2899

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**Synthesis**

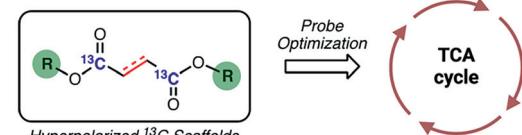
Synthesis 2024, 56, 2909–2917
DOI: 10.1055/a-2335-8736

Design, Synthesis, and Assessment of Tricarboxylic Acid Cycle Probes**Feature**

2909

J. Chen**D. Chao****U. P. Tran****K. L. Billingsley***

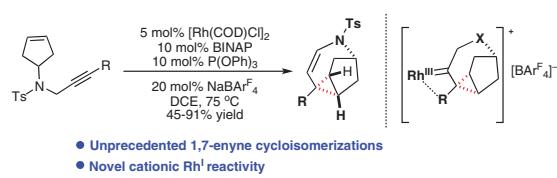
Loyola University Chicago, USA

**Synthesis**

Synthesis 2024, 56, 2918–2924
DOI: 10.1055/a-2343-0881

Rh^I-Catalyzed Cycloisomerization Reactions of 1,7-Enynes To Access Cage-Like Tricyclo[3.2.2.0^{6,8}]nonenes**Paper**

2918

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