

transition metal catalyzed enantioselective pdf

His current research interests include transition metal-catalyzed reactions, asymmetric catalysis, and synthesis of biologically active compounds. Your current credentials do not allow retrieval of the full text.

Transition Metal-Catalyzed Enantioselective Hydrogenation

In this brief review, a broad spectrum of transition metal catalyzed enantioselective hydrofunctionalization of alkynes was discussed. Synthetic valuable chiral alkenes with a stereocenter at the allylic position, including chiral allylic alcohols, allylic amines and 1,4-dienes were prepared by the titled reactions.

Transition-metal catalyzed enantioselective

Over the past five years, several metal-catalyzed asymmetric ring-cleaving reactions have been developed that generate ring-opened products in high yield and enantiomeric excess. These reactions can be carried out with a range of nucleophiles including hydride, stabilized and nonstabilized carbanions, alcohols, amines, and carboxylates. To achieve these results, three different transition ...

Transition Metal-Catalyzed Enantioselective Ring-Opening

transition metal-catalyzed enantioselective hydrogenation of enamines and imines for the synthesis of chiral amines, not including chiral amino acid derivatives, and is focused on the

Transition Metal-Catalyzed Enantioselective Hydrogenation

Allylic substitution Asymmetric catalysis Enantioselective coupling reaction Enantioselectivity Memory effect Nitrogen nucleophile total synthesis Palladium catalysis Palladium mediated allylic substitution Regioselectivity Tsuji-Trost reaction

Transition Metal Catalyzed Enantioselective Allylic

This critical review discusses historical and contemporary research in the field of transition metal-catalyzed carbon-hydrogen (C-H) bond activation through the lens of stereoselectivity.

Transition metal-catalyzed C-H activation reactions

Transition Metal Catalyzed Enantioselective Allylic Substitution in Organic Synthesis Editors: Kazmaier , Uli (Ed.) Each volume of Topics in Organometallic Chemistry provides the broad scientific readership with a comprehensive summary and critical overview of a specific topic in organometallic chemistry

Transition Metal Catalyzed Enantioselective Allylic

the asymmetric synthesis of a wide variety of polyketides. The analogous transition metal-catalyzed enantioselective β -C-H functionalization of isobutyric acid-derived substrates should provide a versatile method for constructing useful building blocks with

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