

Book Received

Asymmetric Catalysis In Organic Synthesis. Ryoji Nagoya (Nagoya University, Japan). Wiley: New York (<http://www.wiley.com/>). 1994. Pages: 400 Pages, Hardcover. Price: \$94.95. ISBN: 0-471-57267-5

Received: 2 December 2001

The author Ryoji Nagoya shared the Nobel Prize in Chemistry for 2001. This book deals with basic principles of asymmetric catalysis focusing on its synthetic significance. Covers homogeneous asymmetric hydrogenation, asymmetric catalysis via chiral metal complexes, heterogeneous catalysis and non-organometallic catalysis. The collection of a range of stereoselective reactions illustrate various strategies and methodologies as well as their general utility.

Table of Contents:

Homogeneous Asymmetric Hydrogenation.

Enantioselective Isomerization of Olefins.

Asymmetric Catalysis via Chiral Metal Complexes: Selected Examples.

Enantioselective Addition of Organometallic Reagents to Carbonyl Compounds: Chirality Transfer, Multiplication, and Amplification.

Three-Component Synthesis of Prostaglandins.

Asymmetric Catalysis with Purely Organic Compounds.

Heterogeneous Asymmetric Catalysis.

Index.

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