Book Received


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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.

*Editor’s Note: The brief summary and the contents of the books are reported as provided by the author or the publishers. Authors and publishers are encouraged to send review copies of their recent books of potential interest to readers of Molecules to the Editor-in-Chief (Dr. Shu-Kun Lin, MDPI, Saengergasse 25, CH-4054 Basel, Switzerland. Tel. +41 79 322 3379, Fax +41 61 302 8918, E-mail: molinfo@mdpi.org). Some books will be offered to the scholarly community for the purpose of preparing full-length reviews.