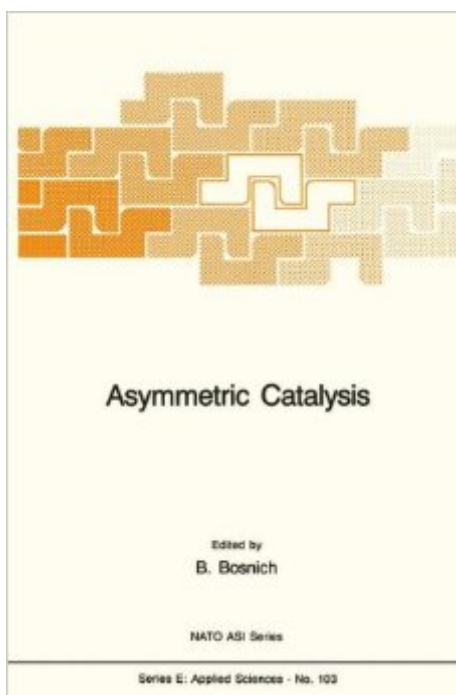


The book was found

Asymmetric Catalysis (Nato Science Series E:)



Synopsis

The rate of advance in areas of science is seldom constant. Usually certain fields effloresce with activity because of the realization that solutions are possible to long standing important problems. So it is now with asymmetric catalysis, a field which promises to change profoundly the strategic thinking of synthetic chemists. As this Report will show, reagents which can induce catalytic enantiocontrol of chemical transformations could represent the ultimate synthetic method. Nearly all synthetic strategies of complex molecules involve steps which require enantiocontrol and, in many cases, a specific catalytic transformation embodying enantiocontrol has enormous advantages in terms of the rate and economy of the reaction. Because asymmetric catalysis is in a formative stage, workers with different backgrounds have joined the field. This Workshop had representatives with organometallic, organic, structural, kinetic, enzymatic, microbiological and industrial backgrounds. Each had his own perspective and this Report represents a consensus of this group of eleven people. The result is probably as comprehensive and balanced a view of the subject as is possible at present. It is hoped that those who have until now had but a glancing interest in asymmetric catalysis will find this Report a useful indication of its present state. We believe that asymmetric catalysis will have an increasing impact on the development of chemistry and will eventually dominate much of synthetic and industrial chemistry.

Book Information

Series: Nato Science Series E: (Book 103)

Hardcover: 172 pages

Publisher: Springer; 1986 edition (November 30, 1985)

Language: English

ISBN-10: 902473259X

ISBN-13: 978-9024732593

Product Dimensions: 6.1 x 0.5 x 9.2 inches

Shipping Weight: 13.6 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #4,618,704 in Books (See Top 100 in Books) #98 in Books > Science & Math > Chemistry > Organic > Organometallic Compounds #1072 in Books > Science & Math > Chemistry > Inorganic #2612 in Books > Science & Math > Chemistry > Industrial & Technical

[Download to continue reading...](#)

Asymmetric Catalysis (Nato Science Series E:) Electrostatic Effects in Soft Matter and Biophysics:

Proceedings of the NATO Advanced Research Workshop on Electrostatic Effects in Soft Matter and ... 1-13 October 2000 (Nato Science Series II:) Asymmetric Catalysis In Organic Synthesis (Baker Lecture Series) Transition Metal Sulphides: Chemistry and Catalysis (Nato Science Partnership Subseries: 3) Mathematics and Computer Science in Medical Imaging (Nato a S I Series Series III, Computer and Systems Sciences) Metamaterials and Plasmonics: Fundamentals, Modelling, Applications (NATO Science for Peace and Security Series B: Physics and Biophysics) Photoelectrochemistry, Photocatalysis and Photoreactors Fundamentals and Developments (Nato Science Series C:) Photocatalysis and Environment: Trends and Applications (Nato Science Series C:) On Growth and Form: Fractal and Non-Fractal Patterns in Physics (Nato Science Series E:) Optics of Biological Particles (Nato Science Series II:) Bioelectrochemistry IV: Nerve Muscle Function-Bioelectrochemistry, Mechanisms, Bioenergetics and Control (Nato Science Series: A:) European Neogene Mammal Chronology (Nato Science Series A:) Symmetry and Pairing in Superconductors (Nato Science Partnership Subseries: 3) Photochemistry on Solid Surfaces (Studies in Surface Science and Catalysis) Asymmetric Politics: Ideological Republicans and Group Interest Democrats Asymmetric Organocatalysis (Topics in Current Chemistry) Chiral Auxiliaries and Ligands in Asymmetric Synthesis Catalytic Asymmetric Synthesis Asymmetric Synthesis of Natural Products Catalytic Asymmetric Synthesis, Second Edition

[Dmca](#)